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PARKING LOT EXPANSION FOR MONARCH SCHOOL OF NEW ENGLAND 105 EASTERN AVENUE ROCHESTER, N.H. TAX MAP 112, LOT 20

NOTE:

BERRY SURVEYING & ENGINEERING HAS PREPARED AN INSPECTION & MAINTENANCE MANUAL AS PART OF THIS PROJECT'S DOCUMENTATION. ALL USERS ARE BOUND TO THIS DOCUMENT AS PART OF THE APPROVAL OF THE PLANNING BOARD. COPIES OF THE YEARLY INSPECTIONS ARE TO BE DELIVERED TO THE CITY OF ROCHESTER COMMUNITY SERVICES DEPARTMENT.

OWNER: MONARCH SCHOOL
105 EASTERN AVE
ROCHESTER, NH 03867

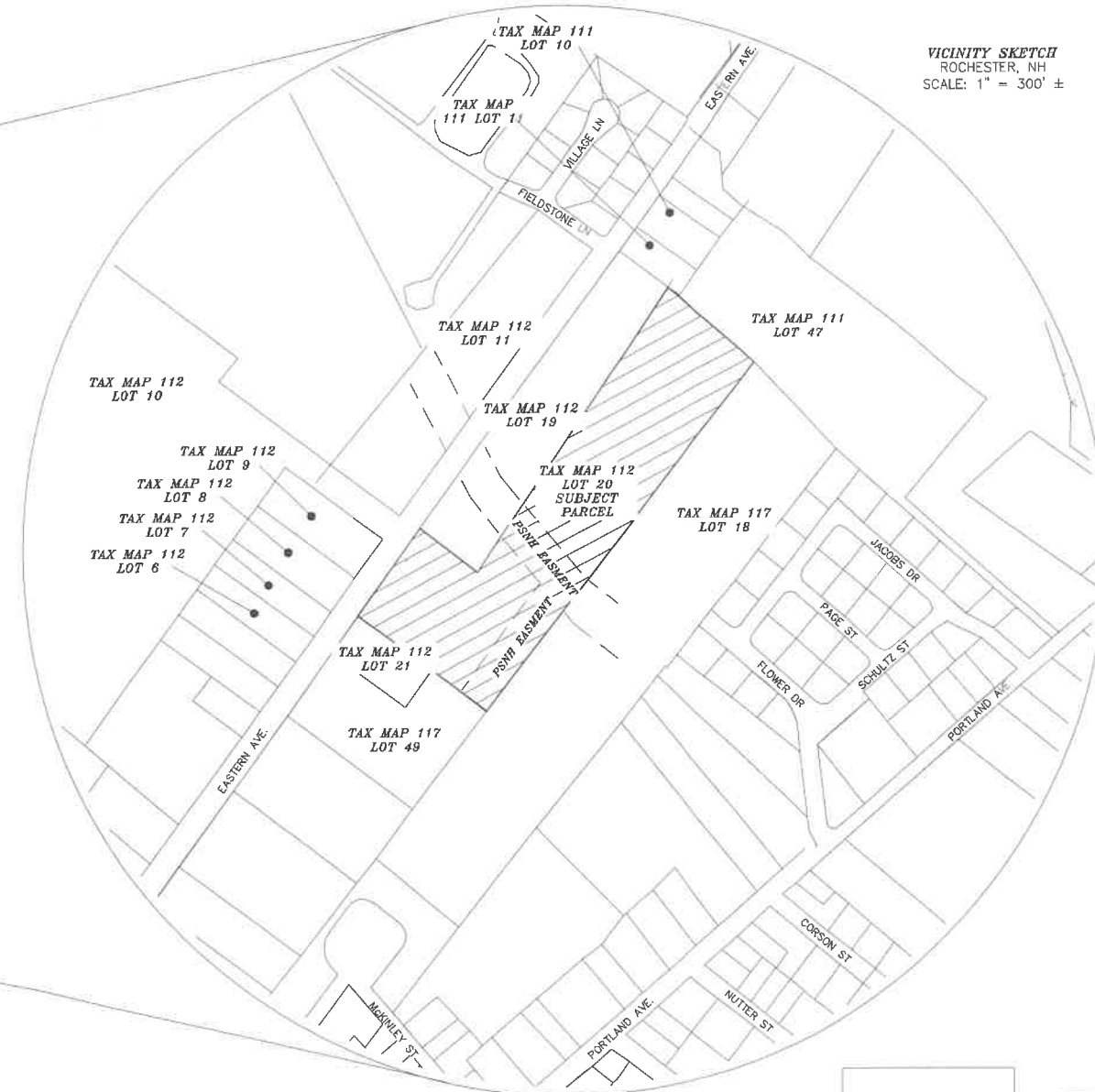
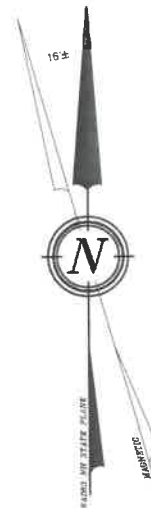
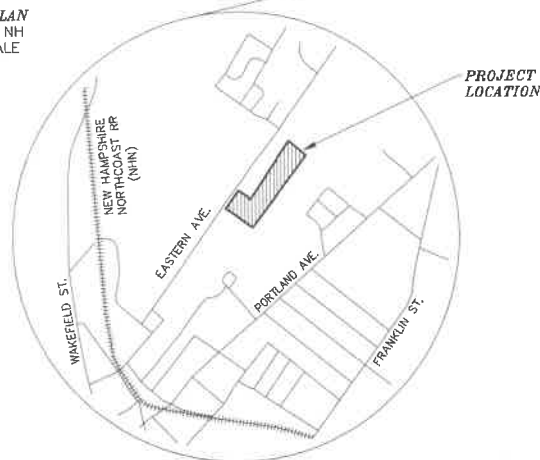
SURVEYOR OF RECORD: KENNETH A. BERRY, PE, LLS
CPSWQ, CPESC, CESSWI
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

APPLICANT: MONARCH SCHOOL
105 EASTERN AVE
ROCHESTER, NH 03867

ENGINEER OF RECORD: KENNETH A. BERRY, PE, LLS
CPSWQ, CPESC, CESSWI
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

WETLAND SCIENTIST: DEIDRA BENJAMIN, CWS
100 LEAVITT ROAD
PITTSFIELD, NH 03263
(603)-496-3307

LOCATION PLAN
ROCHESTER, NH
NOT TO SCALE



VICINITY SKETCH
ROCHESTER, NH
SCALE: 1" = 300' ±

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SITE REVIEW REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INsofar AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SITE PLAN APPROVAL.

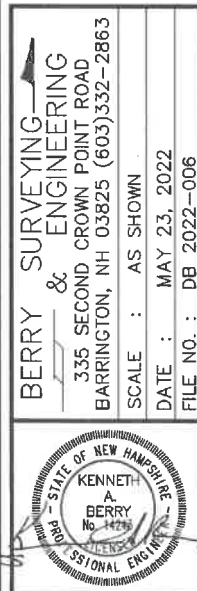
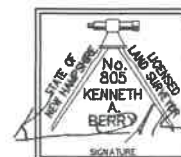
GENERAL PLAN SET NOTES:

- 1.) 11x17" PLANS ARE TWICE THE PUBLISHED SCALE.
- 2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE CITY OF ROCHESTER.

Rochester Planning Approval:

[Signature] Senior Planner 8/4/2022
Ryan O'Connor Planning Board Approval 7/11/2022

APPROVED ROCHESTER



PARKING LOT EXPANSION
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

REVISION	DATE	REVISED PER TRG COMMENT	DESCRIPTION
#1	6-15-22		

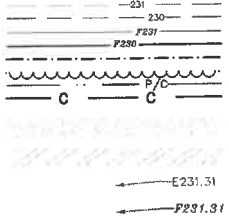
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : AS SHOWN
DATE : MAY 23, 2022
FILE NO. : DB 2022-006

ABBREVIATION LEGEND:

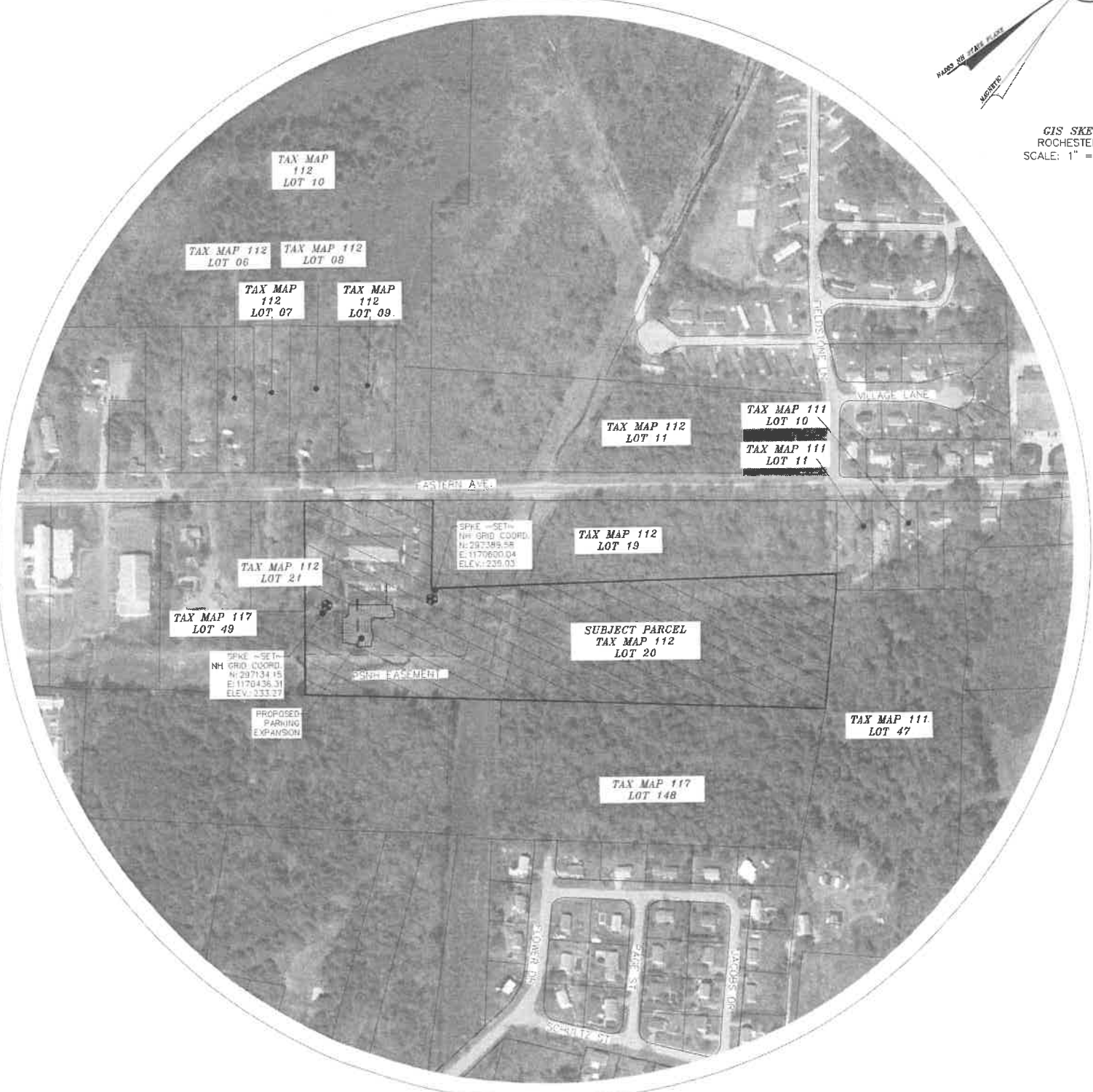
E.O.P. EDGE OF PAVEMENT
BITUM. BITUMINOUS
E.S.H.W.T ESTIMATED SEASONAL HIGH WATER TABLE
TYP. TYPICAL
F.G. FINISHED GRADE
E.G. EXISTING GRADE
L.F. LINEAR FOOT
FND FOUND
T.B.R. TO BE REMOVED
P.L. PROPERTY LINE
E.L. EASEMENT LINE
T.B.M. TEMPORARY BENCHMARK
'/.' FOOT / FOOT

LEGEND:

STEEL STAKE ~FND~
GRANITE BOUND ~FND~
UTILITY POLE/GUY WIRE
SIGNAGE
FLOW ARROW
TEMPORARY BENCHMARK (T.B.M.)
DETAIL SHEET / DETAIL
CONTOUR MINOR, EXISTING
CONTOUR MAJOR, EXISTING
CONTOUR MINOR, PROPOSED
CONTOUR MAJOR, PROPOSED
WETLAND LINE
TREE LINE
PERIMETER CONTROL
CONSTRUCTION FENCE
RIP-RAP
SNOW STORAGE
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION



GIS SKETCH
ROCHESTER, NH
SCALE: 1" = 200' ±



ABUTTERS WITHIN 200':

N/F DOWNNEY, SALLY A REV TRUST
DOWNNEY, SALLY A TRUSTEE
P.O. BOX 1596
ROCHESTER, NH 03866-1596
TAX MAP 112, LOT 21
S.C.R.D. BOOK 3856, PAGE 287

N/F WOTTON, ROBERT
83 EASTERN AVE
ROCHESTER, NH 03867-2005
TAX MAP 117, LOT 19
S.C.R.D. BOOK 1123, PAGE 608

N/F CORNISH, BEATRICE NUTTER &
SPREEMAN, CATHRYN C
80 LEONARD ST
ROCHESTER, NH 03867-2323
TAX MAP 117, LOT 149
S.C.R.D. BOOK 1973, PAGE 225

N/F UBERSKY, KAREN
514 PORTLAND ST
ROCHESTER, NH 03867-2447
TAX MAP 111, LOT 47
S.C.R.D. BOOK 4215, PAGE 519

N/F PICORILLO, JOHN C
167 EASTERN AVE
ROCHESTER, NH 03867-2007
TAX MAP 111, LOT 10
S.C.R.D. BOOK 2249, PAGE 205

N/F PICORILLO, JOHN C
167 EASTERN AVE
ROCHESTER, NH 03867-2007
TAX MAP 111, LOT 11
S.C.R.D. BOOK 2249, PAGE 203

N/F SPREEMAN, CATHRYN C &
JOTHAM C
80 LEONARD ST
ROCHESTER, NH 03867-2323
TAX MAP 112, LOT 19
S.C.R.D. BOOK 2249, PAGE 203

ABUTTERS WITHIN 200':

N/F STUART, SHARYN L & NORMAN E
53 OLDE FARM LN
ROCHESTER, NH 03867
TAX MAP 112, LOT 11
S.C.R.D. BOOK 3523, PAGE 452

N/F CITY OF ROCHESTER
31 WAKEFIELD ST
ROCHESTER, NH 03867-2001
TAX MAP 112, LOT 10
S.C.R.D. BOOK 1141, PAGE 364

N/F PLANTE, ERIC P & ANN MARIE
106 EASTERN AVE
ROCHESTER, NH 03867-2001
TAX MAP 112, LOT 09
S.C.R.D. BOOK 4762, PAGE 691

N/F MARSH, TODD R & CHRISOLENE M
98 EASTERN AVE
ROCHESTER, NH 03867-2001
TAX MAP 112, LOT 08
S.C.R.D. BOOK 3285, PAGE 911

N/F GERVAIS, GERALD G & ANGELA M
94 EASTERN AVE
ROCHESTER, NH 03867
TAX MAP 112, LOT 07
S.C.R.D. BOOK 1985, PAGE 239

N/F PRENTICE, ROBERT E & HYDI-JEAN
96 EASTERN AVE
ROCHESTER, NH 03867-2001
TAX MAP 112, LOT 08
S.C.R.D. BOOK 1813, PAGE 82

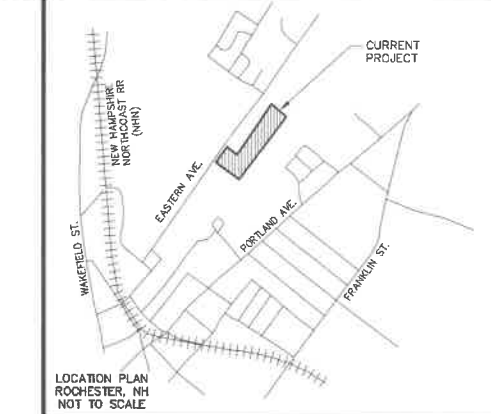
REVISION		DATE	DESCRIPTION
#1	6-15-22		REVISED PER TRG COMMENT

NEIGHBORHOOD PLAN
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603) 332-2863
SCALE : AS SHOWN
DATE : MAY 23, 2022
FILE NO. : DB 2022-006

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14753
PROFESSIONAL ENGINEER

SHEET 1 OF 8
















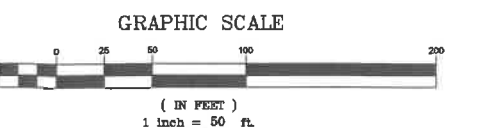
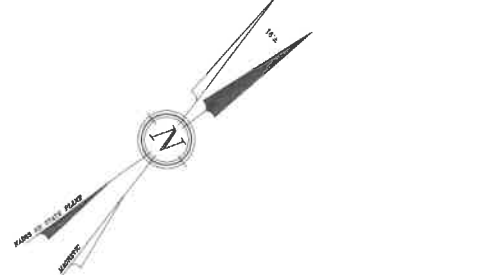
NOTES:

- 1.) OWNER: MONARCH SCHOOL OF NEW ENGLAND
P.O. BOX 1821
ROCHESTER, NH 03866-1921
- 2.) TAX MAP 112, LOT 20
- 3.) S.C.R.D. BOOK 1156, PAGE 453
- 4.) LOT AREA: 12.6 Ac. (PER TAX RECORDS)
- 5.) ZONING: R2 - RESIDENTIAL-2
SETBACKS
FRONT ~ 10'
SIDE ~ 8'
REAR ~ 20'
MIN. FRONTAGE: 80'
MIN. LOT SIZE: 9,000 Sq. Ft. ALL OTHER NON-FAMILY USES
MAX. BUILDING FOOTPRINT: 30%
MAX. LOT COVERAGE: 35%
MAX. BUILDING HEIGHT: 35'
- 6.) THE INTENT OF THIS PLAN IS TO SHOW A PARTIAL EXISTING CONDITIONS OF THE PLANT OF INTENSIVE TOPOGRAPHICAL SURVEY ON TAX MAP 112, LOT 20 LOCATED IN ROCHESTER, N.H., AS OF THE FIELD SURVEY IN SPRING 2022.
- 7.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REPT: FEMA COMMUNITY #330150, MAP #3301002040, DATED: MAY 17, 2005.
- 8.) VERTICAL DATUM BASED ON NAVD83 ELEVATIONS. HORIZONTAL DATUM BASED ON NAD83 STATE PLANE. COORDINATES GATHERED USING CARLSON BRX7 SURVEY GRADE GPS RECEIVERS.
- 9.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSURE TRAVERSE PERFORMED BY THIS OFFICE IN SPRING OF 2022 WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000.
- 10.) TOPOGRAPHY PROVIDED IS DEMARCATED AT 1' INTERVALS, AND IS THE RESULT OF A FIELD SURVEY PERFORMED SPRING OF 2022.
- 11.) THIS SITE IS SERVICED BY MUNICIPAL SEWER AND WATER.

PARKING COUNT:
EXISTING PARKING SPACES: 58

LEGEND:

	STEEL STAKE ~FND~
	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	50' WETLAND SETBACK
	WETLAND LINE
	PERIMETER BOUNDARY LINE
	EASEMENT LINE
	EXISTING TREE LINE
	NRCS SOIL LABEL
	FND
	TYP
	S.C.R.D.
	E.C.P.



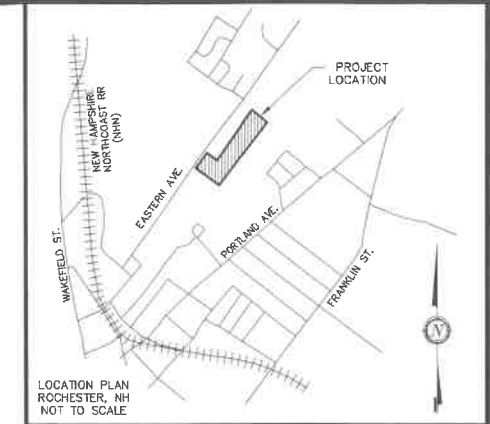
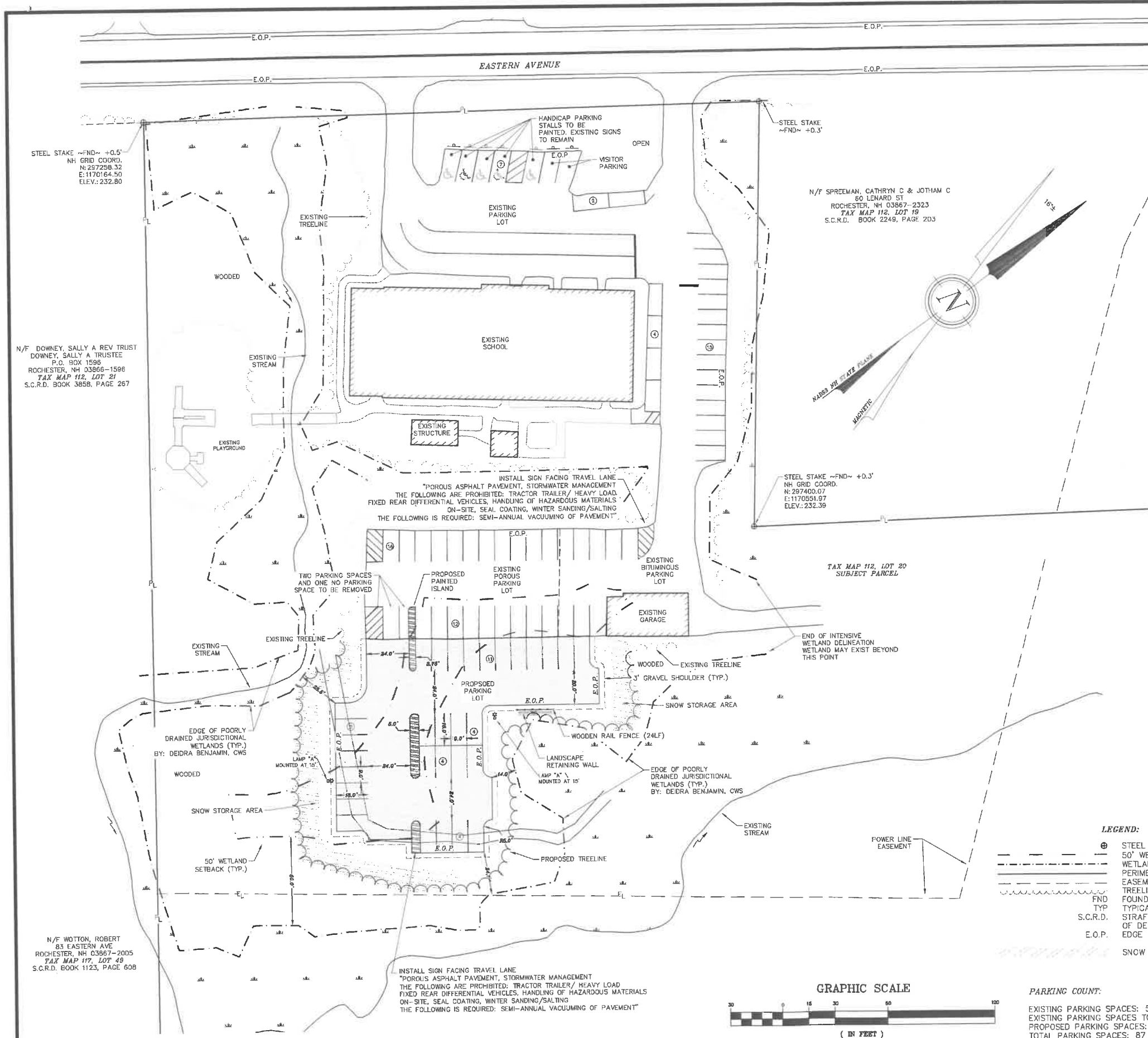
#1	6-15-22	REVISED PER TRG COMMENT
REVISION	DATE	DESCRIPTION

EXISTING CONDITIONS PLAN

LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.

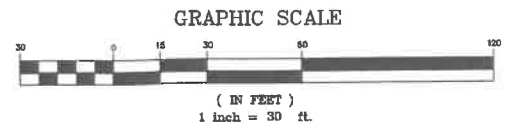
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603) 332-2863
SCALE : 1 IN. EQUALS 40 FT.
DATE : MAY 23, 2022



- STANDARD SITE PLAN NOTES:**
- 1.) OWNER & APPLICANT: MONARCH SCHOOL OF NEW ENGLAND
P.O. BOX 1921
ROCHESTER, NH 03866-1921
 - 2.) TAX MAP 112, LOT 20
 - 3.) S.C.R.D. BOOK 1156, PAGE 453
 - 4.) LOT AREA: 12.6 Ac. (PER TAX RECORDS)
 - 5.) ZONING: R2 - RESIDENTIAL-2
SETBACKS:
FRONT ~ 10'
SIDE ~ 8'
REAR ~ 20'
MIN. FRONTAGE: 80'
MIN. LOT SIZE: 9,000 Sq. Ft. ALL OTHER NON-FAMILY USES
MAX. BUILDING FOOTPRINT: 30%
MAX. LOT COVERAGE: 35%
MAX. BUILDING HEIGHT: 35'
 - 6.) AS-BUILT PLANS OF SITE SHALL BE SUBMITTED ON PAPER AND IN A DIGITAL FORMAT IN A .DWG AND AUTOCAD DXF OR AN ERSI FORMAT TO THE CITY OF ROCHESTER DEPARTMENT OF PUBLIC WORKS UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E. DIGITAL FILES SHALL BE GEO-REFERENCED TO NEW HAMPSHIRE STATE PLANE COORDINATES NAD83 AND SHALL BE EXPRESSED IN FEET.
 - 7.) DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A CARLSON BR7 SURVEY GRADE RECEIVER IN SPRING 2022 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
 - 8.) THE SUBJECT PARCEL IS SERVICED BY MUNICIPAL WATER & SEWER.
 - 9.) ALL EROSION CONTROL NOTES SHALL INCLUDE PROVISIONS FOR CONSTRUCTION SEQUENCING, TEMPORARY EROSION CONTROL MEASURES, AND PERMANENT STANDARDS SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION.
 - 10.) A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL TO BE DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS. COORDINATE WITH THE CITY OF ROCHESTER DEPARTMENT OF PLANNING & DEPARTMENT OF PUBLIC WORKS.
 - 11.) A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR, AND THE TECHNICAL STAFF WORKS SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
 - 12.) ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2016. CONSTRUCTION SHALL ALSO CONFORM TO THE CITY OF ROCHESTER POLICES AND PRACTICES.
 - 13.) CALL DIG SAFE PRIOR TO BEGINNING WORK (1-888-344-7233).
 - 14.) CONTRACTOR TO CONTACT ROCHESTER DPW A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION TO COORDINATE ALL WORK CONCERNING INSTALLATION OF ANY PROPOSED WATER LINE IMPROVEMENTS AS MAY BE REQUIRED.
 - 15.) ALL UNPAVED DISTURBED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED.
 - 16.) THE CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY-FRIDAY 7AM-6PM, SATURDAY 8AM-6PM WITH NO SUNDAY HOURS. HOURS OF CONSTRUCTION SHALL BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR.
 - 17.) FROM GROUND BREAKING THE SITE SHALL REMAIN ACCESSIBLE YEAR ROUND IN ALL WEATHER CONDITIONS.
 - 18.) THIS SITE DESIGN HAS BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE ACCESSIBILITY REGULATIONS IN ACCORDANCE WITH NH RSA 11-A:5.
 - 19.) THE LIMITS OF CONSTRUCTION DISTURBANCE AND TREE CLEARING LIMITS ARE TO BE MARKED OUT AND APPROVED BY THE CITY PRIOR TO WORK.
 - 20.) THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
NONE
 - 21.) THIS PLAN PROPOSES APPROXIMATELY 17,500' SQ. FT. (0.40 Ac.) OF DISTURBANCE.
 - 22.) ADDITIONAL POROUS PAVEMENT COVERAGE: 11,527 Sq. Ft.
SNOW STORAGE: 3,200+ Sq. Ft.
GREATER THAN 6:1 RATIO PROVIDED
FLOWS ARE TO BE RUBBER EGGED. SAND AND SALT APPLICATIONS SHOULD BE CONSIDERED CAREFULLY.
 - 23.) LOT COVERAGE
EXISTING BUILDING IMPERVIOUS AREA: 11,693 Sq. Ft. (2.1% +/-)
EXISTING PAVED IMPERVIOUS AREA: 22,318 Sq. Ft. (4.1% +/-)
EXISTING POROUS ASPHALT AREA (NON-IMP): 6,674 Sq. Ft. (6.2% +/-)
TOTAL EXISTING IMPERVIOUS COVER: 34,011 Sq. Ft. (6.2% +/-)
PROPOSED ADDITIONAL BUILDING IMPERVIOUS AREA: 0 Sq. Ft. (0.0%)
PROPOSED PAVED IMPERVIOUS AREA: 0 Sq. Ft. (0.0%)
PROPOSED POROUS ASPHALT AREA (NON-IMP): 18,201 Sq. Ft. (3.3% +/-)
TOTAL SITE IMPERVIOUS COVER: 34,011 Sq. Ft. (6.2% +/-)
 - 24.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.
 - 25.) FOR MORE INFORMATION ABOUT THIS SITE PLAN PLEASE CONTACT THE CITY OF ROCHESTER PLANNING OFFICE AT 803-335-1338.
 - 26.) THE PARKING LOT STRIPING SHOWN IS REQUIRED TO BE INSTALLED.
 - 27.) WETLANDS BOUNDARIES ARE TO BE MARKED WITH PINK AND BLACK FLAGGING PRIOR TO THE START OF CONSTRUCTION.

- LEGEND:**
- STEEL STAKE ~FND~
 - 50' WETLAND SETBACK
 - WETLAND LINE
 - PERIMETER BOUNDARY LINE
 - EASEMENT LINE
 - TREELINE
 - FND
 - FOUND
 - TYPICAL
 - STRAFFORD COUNTRY REGISTRY OF DEEDS
 - E.O.P.
 - EDGE OF PAVEMENT
 - SNOW STORAGE



PARKING COUNT:

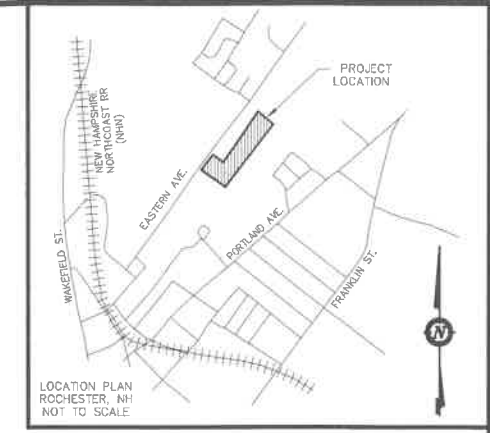
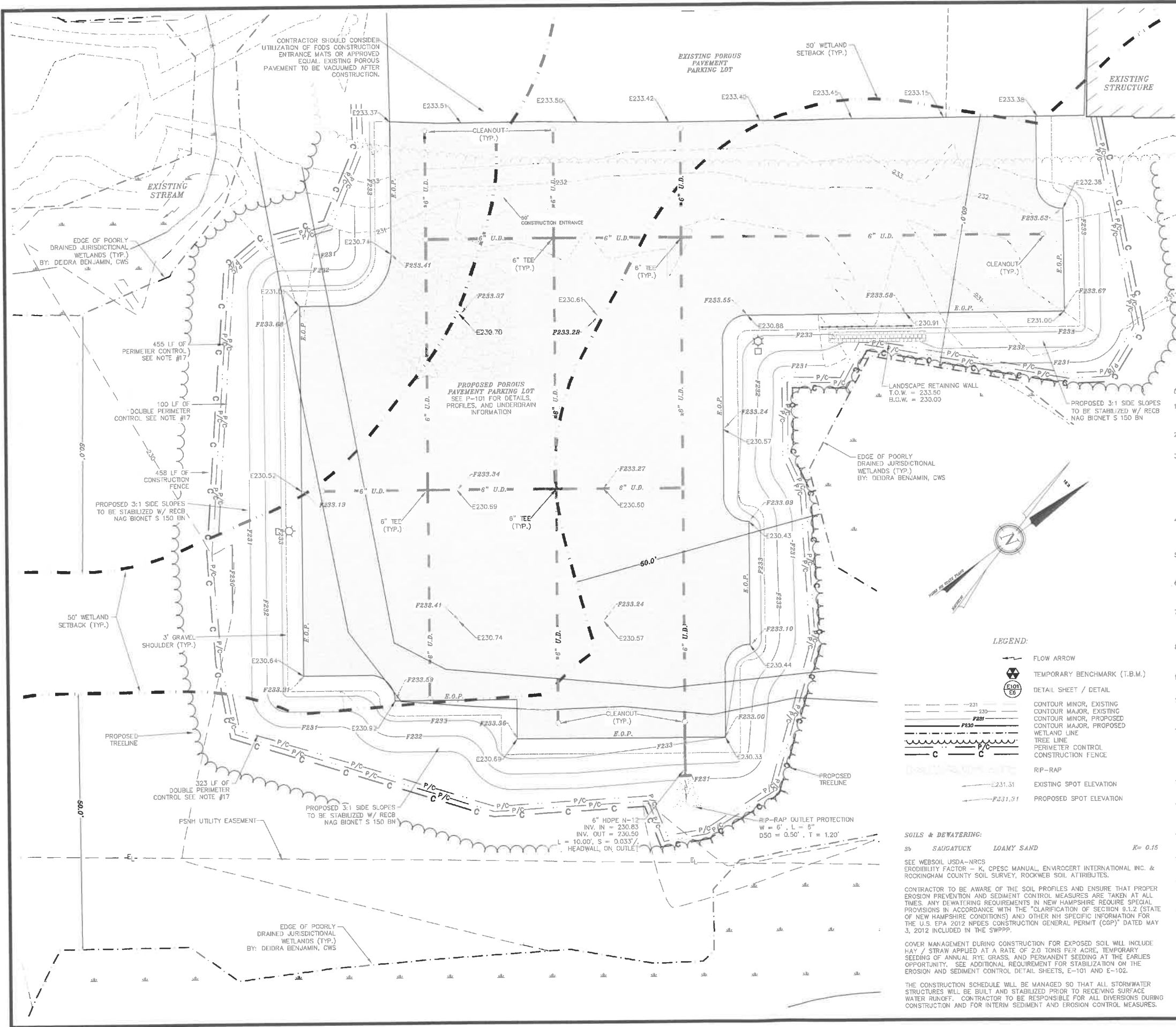
EXISTING PARKING SPACES: 58
EXISTING PARKING SPACES TO BE REMOVED: 2
PROPOSED PARKING SPACES: 31
TOTAL PARKING SPACES: 87

REVISION	DATE	DESCRIPTION
#1	6-15-22	REVISED PER TRG COMMENT

SITE PLAN
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 30 FT.
DATE : MAY 23, 2022
FILE NO. : DB 2022-006





- PROJECT NOTES:**
- 1.) OWNER: MONARCH SCHOOL OF NEW ENGLAND
P.O. BOX 1921
ROCHESTER, NH 03866-1921
 - 2.) TAX MAP 112, LOT 20
 - 3.) S.C.R.D. BOOK 1156, PAGE 453
 - 4.) LOT AREA: 12.6 Ac. (PER TAX RECORDS)
 - 5.) THE INTENT OF THIS PLAN IS TO PROVIDE GRADING DETAILS OF THE PROPOSED PARKING LOT ON TAX MAP 112, LOT 20.
 - 6.) BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
 - 7.) EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS.

- GRADING NOTES:**
- 1.) THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2016. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
 - 2.) CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS, BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
 - 3.) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES CALL "DIG-SAFE" 1-888-DIGSAFE (344-7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.
 - 4.) WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
 - 5.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
 - 6.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
 - 7.) ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL HAVE LOAM PLACED AND SEED. THE LOAM SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHALL BE PLACED FLUSH WITH THE TOP OF THE ADJACENT CURB, EDGING, BERM OR PAVEMENT SURFACE.
 - 8.) ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
 - 9.) PROJECT DISTURBANCE: 17,600 Sq. Ft. (0.40 Ac.) NOTE THAT THE PROJECT IS NOT SUBJECT TO THE EPA NPDES PHASE II.
 - 10.) A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS, AS MAY BE APPLICABLE.
 - 11.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.
 - 12.) CONTRACTOR IS TO INSTALL A CONSTRUCTION ENTRANCE PRIOR TO EARTH DISTURBING ACTIVITIES.
 - 13.) CONTRACTOR IS RESPONSIBLE FOR SWEEPING THE PARKING LOT, SIDEWALKS AND ANYTHING DISTURBED, TO ENSURE THAT NO SEDIMENT IS BEING TRACKED ONTO EASTERN AVENUE.
 - 14.) FUGITIVE DUST IS TO BE CONTROLLED THROUGHOUT THE CONSTRUCTION PROCESS IN ACCORDANCE WITH ENV-A 1000.
 - 15.) CONTRACTOR IS TO MEET THE REQUIREMENTS SPECIFIED IN RSA 430:51-57 AND AGR 3800, RELATING TO INVASIVE SPECIES.
 - 16.) CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WATER QUALITY FROM ANY RUN OFF DURING THE CONSTRUCTION PROCESS, IN ACCORDANCE WITH ENV-WO 1507, IN ORDER TO PREVENT VIOLATIONS OF THE STORM WATER QUALITY STANDARDS.
 - 17.) CONTRACTOR AY USE SILT FENCE, SILT SOXX OR MULCH BERM FOR PERIMETER CONTROL. DOUBLE LAYER OF PERIMETER CONTROL IS REQUIRED WITHIN 50' WETLAND BUFFER.

LEGEND:

- FLOW ARROW
- TEMPORARY BENCHMARK (T.B.M.)
- DETAIL SHEET / DETAIL
- CONTOUR MINOR, EXISTING
- CONTOUR MAJOR, EXISTING
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- WETLAND LINE
- TREE LINE
- PERIMETER CONTROL
- CONSTRUCTION FENCE
- RP-RAP
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION

SOILS & DEWATERING:

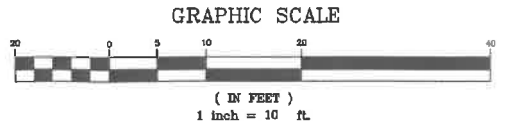
S₆ SAUGATUCK LOAMY SAND K= 0.15

SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPSC MANUAL, ENVIROCENT INTERNATIONAL INC. &
ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIEST OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES.



REVISION	DATE	DESCRIPTION
#1	6-15-22	REVISED PER TRG COMMENT

PARKING LOT GRADING PLAN
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603) 332-2863
SCALE : 1 IN. EQUALS 10 FT.
DATE : MAY 23, 2022
FILE NO. : DB 2022-006

SHEET 4 OF 8

DESIGN NOTES:

- POROUS ASPHALT PAVEMENT WILL CONFORM TO UNHSC (2007b) SPECIFICATIONS AS UPDATED BY UNHSC DESIGN SPECIFICATIONS FOR POROUS ASPHALT PAVEMENT AND INFILTRATION BEDS (DATED: SEPTEMBER 2016).
 - THE FILTER COURSE WILL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES AND CONSIST OF NHDOT (2016) SAND, ITEM 304.1 PER THE NH STORMWATER MANUAL.
 - SEE CROSS SECTIONS FOR DETAILS.
 - SEE STORMWATER SYSTEM OPERATIONS AND MAINTENANCE PLAN, DATED MAY 23, 2022 FOR MAINTENANCE REQUIREMENTS.
- REFERENCE:
- NH STORMWATER MANUAL: VOLUME 2, SECTION 4E PERMEABLE PAVEMENT.
 - UNHSC DESIGN SPECIFICATIONS FOR POROUS ASPHALT PAVEMENT AND INFILTRATION BEDS, FEBRUARY 2014, REVISED SEPTEMBER 2016, UNIVERSITY OF NEW HAMPSHIRE STORMWATER CENTER, DURHAM, NH 03824-3534.
 - POROUS ASPHALT PAVEMENT FOR STORMWATER MANAGEMENT, THE UNH STORMWATER CENTER.

GRAPHIC SCALE



CHOKER COURSE *	SIEVE SIZE	% PASSING BY WEIGHT
	1 1/2"	100
	1"	95 - 100
	3/4"	25 - 60
	# 4	0 - 10
	# 8	0 - 5

* EQUIVALENT TO STANDARD STONE SIZE #57 - AASHTO

FILTER COURSE *	SIEVE SIZE	% PASSING BY WEIGHT
	1 1/2"	100
	3/8"	95 - 100
	# 4	22 - 55
	# 8	0 - 10

* EQUIVALENT TO STANDARD WASHED STONE - SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

FILTER COURSE *	SIEVE SIZE	% PASSING BY WEIGHT
	3/4"	100
	# 4	70 - 100
	# 200	0 - 6**

* EQUIVALENT TO MODIFIED NHDOT 304.1 - SECTION 304 OF NHDOT NHDOT STANDARD SPECIFICATIONS
** LESS THAN 4% FINES

RESERVOIR COURSE *	SIEVE SIZE	% PASSING BY WEIGHT
	2 1/2"	100
	2"	90 - 100
	1 1/2"	35 - 70
	1"	0 - 15
	1/2"	0 - 5

* EQUIVALENT TO STANDARD STONE SIZE #3 - AASHTO

POROUS ASPHALT MIX DESIGN CRITERIA	SIEVE SIZE	% PASSING BY WEIGHT
	3/4"	100
	1 1/2"	85 - 100
	3/8"	55 - 75
	# 4	10 - 25
	# 8	5 - 12
	# 200	2 - 4

BINDER CONTENT (AASHTO T164) 5.8 - 6.5%

AIR VOID CONTENT 16 - 22% (AASHTO D6752)

DRAWDOWN (AASHTO D6390) ≤ 0.3%

RETAINED TENSILE STRENGTH (AASHTO D6390) ≥ 80%

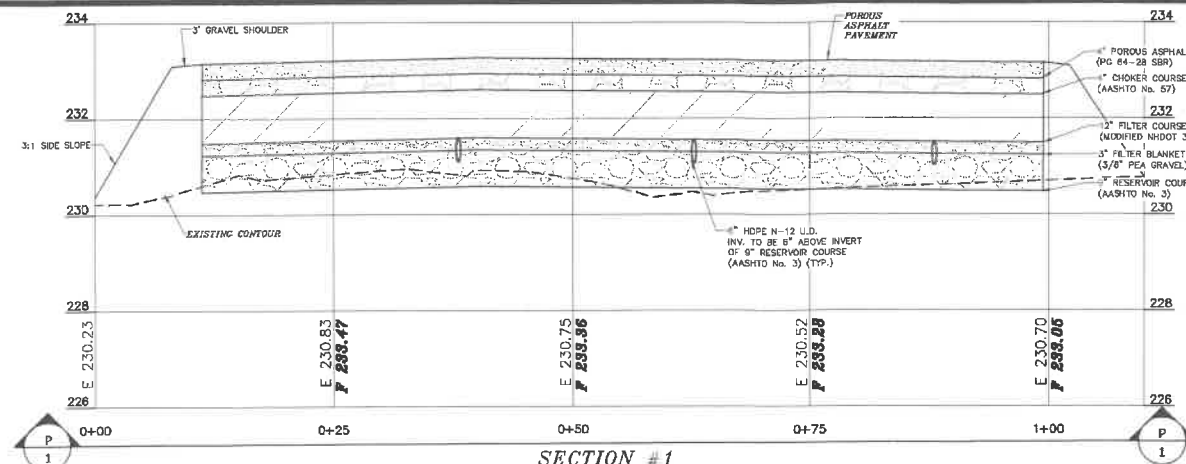
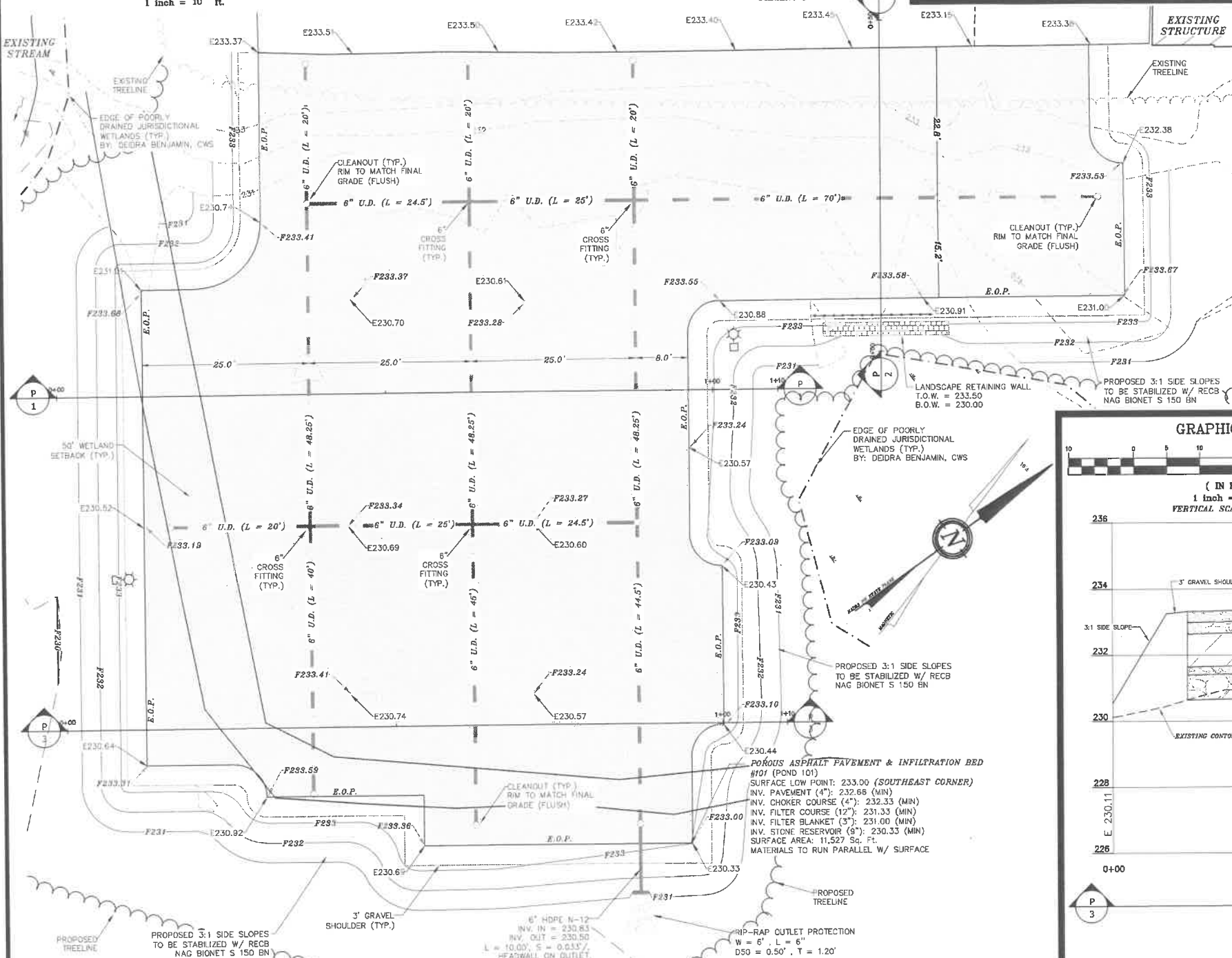
CANTABRO ABRASION ≤ 20% TEST (UNAGED)

CANTABRO ABRASION ≤ 30% TEST (7 DAYS)

POROUS ASPHALT PAVEMENT

NOT TO SCALE

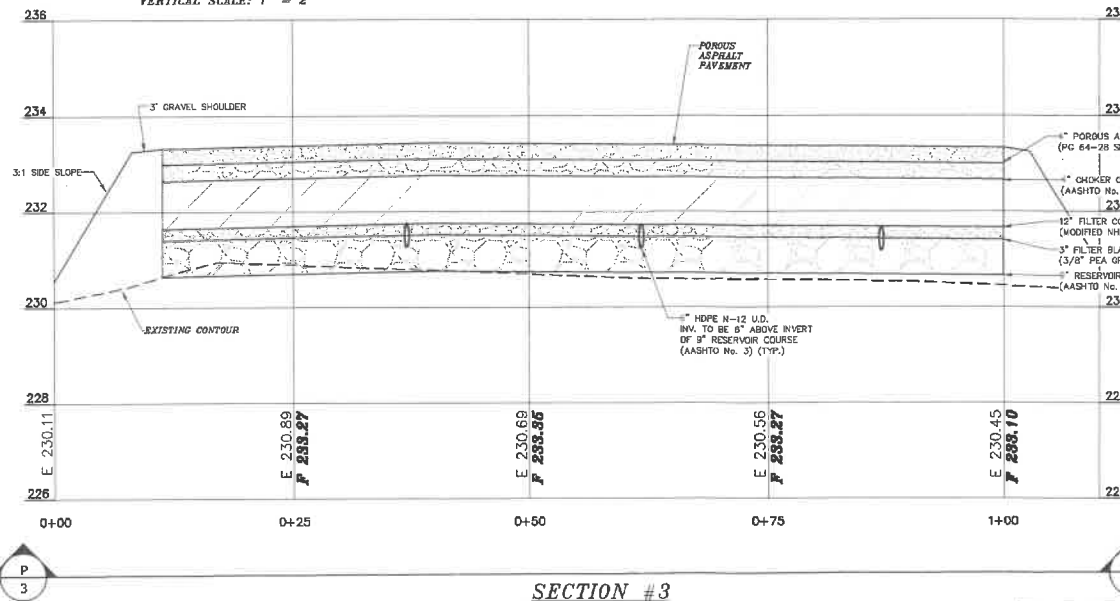
EXISTING POROUS PAVEMENT PARKING LOT



TOTAL SECTION DEPTH = 32"
TOTAL SECTION REQUIRED = 31.2"
(65% OF FROST DEPTH)
FROST DEPTH = 48" (UNHSC)

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.
VERTICAL SCALE: 1" = 2'



SECTION #3

P-101

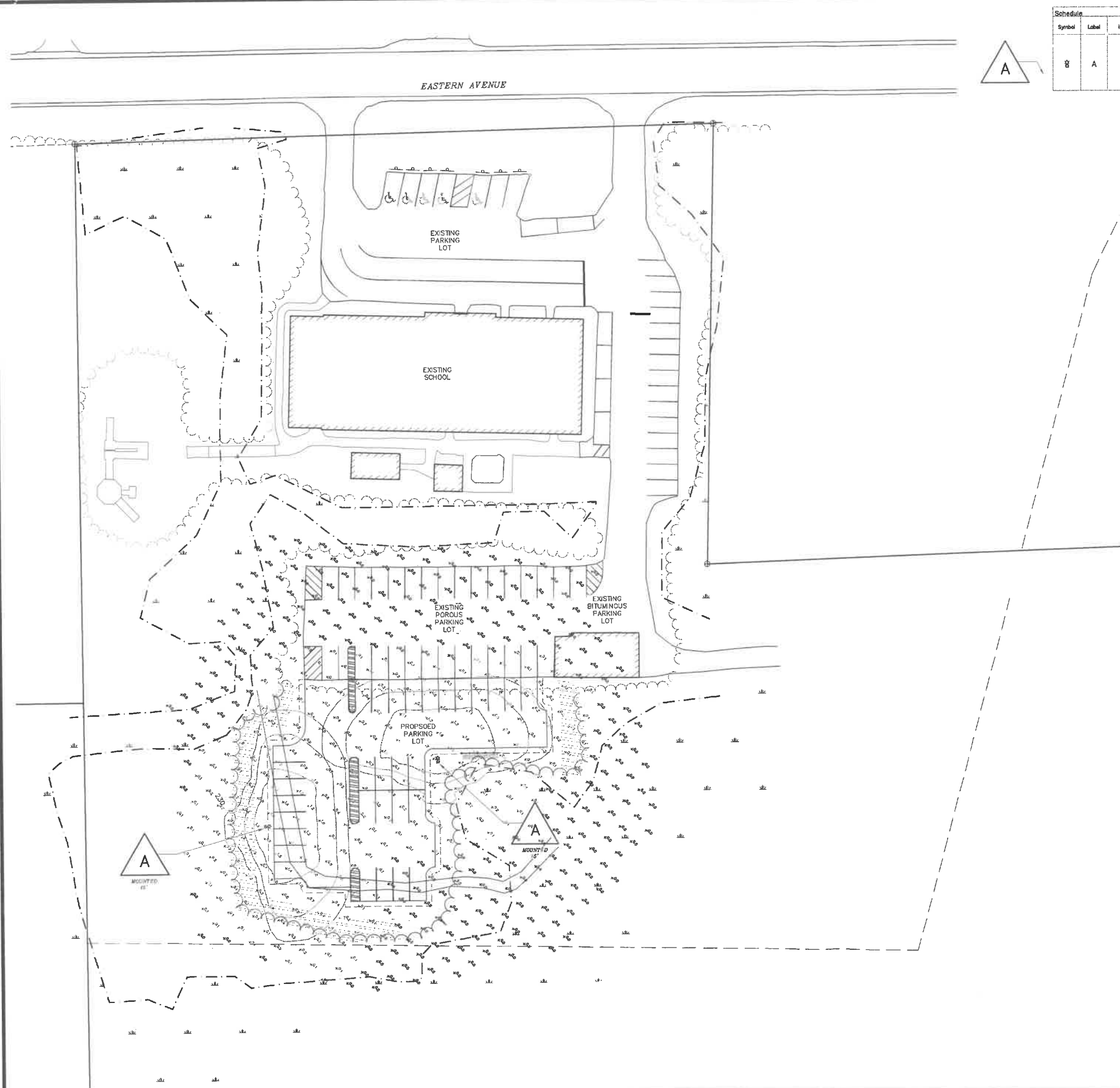
REVISION	DATE	DESCRIPTION
#1	6-15-22	REVISED PER TRC COMMENT

POROUS ASPHALT PAVEMENT
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE.
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 10 FT.
DATE: MAY 23, 2022
FILE NO.: DB 2022-006



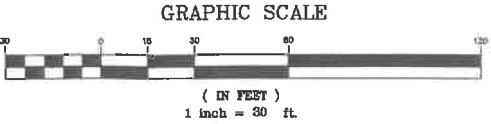
SHEET 5 OF 8



Schedule									
Symbol	Label	Image	Quantity	Manufacturer	Control Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor
Ⓐ	A		2	Urbania Lighting	DSX LED P1 30K TSM DSX1 LED P1 30K TSM MVOLT		1	6270	1

STANDARD SITE PLAN NOTES:

- 1.) OWNER & APPLICANT: MONARCH SCHOOL OF NEW ENGLAND
P.O. BOX 1921
ROCHESTER, NH 03866-1921
- 2.) TAX MAP 112, LOT 20
- 3.) S.C.R.D. BOOK 1156, PAGE 453
- 4.) LOT AREA: 12.6 Ac. (PER TAX RECORDS)



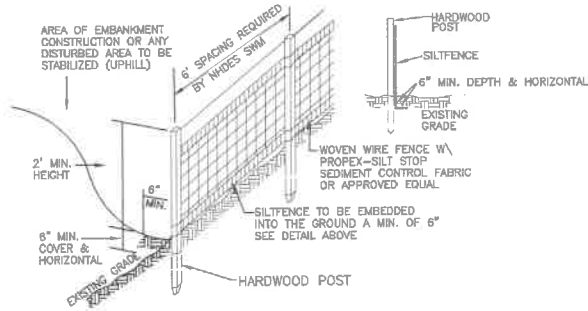
REVISION	DATE	DESCRIPTION
#1	6-15-22	REVISED PER TRG COMMENT

LIGHTING PLAN
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 30 FT.
DATE : MAY 23, 2022
FILE NO. : DB 2022-006



E1



- SILT FENCE CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 6" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 6' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF. SEE MAINTENANCE NOTE BELOW, REMOVAL OF SEDIMENT REQUIRED AT A DEPTH OF 6-INCHES.
 - PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
 - SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
 - THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
 - TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

- SILT FENCE MAINTENANCE**
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 - IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
 - SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
 - SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE DETAIL
NOT TO SCALE

E5

DEFINITION OF STABLE:

PER ENV-WQ 1500 ALTERATION OF TERRAIN

- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
- A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
- A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
- OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ADDITION STABILIZATION NOTES:

- HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.
- DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

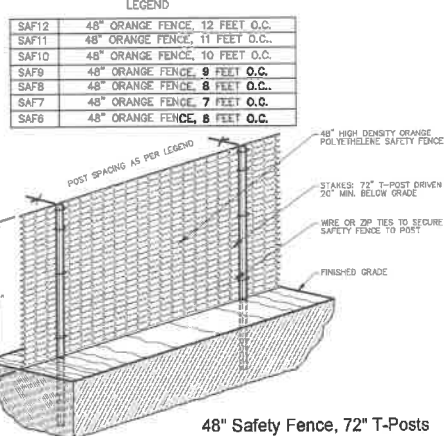
E8

CONSTRUCTION SEQUENCE:

- CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.
- CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.
- EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS.
- CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
- CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
- CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY
- START BUILDING CONSTRUCTION
- INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 60 DAYS BEFORE BEING STABILIZED, DAILY, OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
- CONSTRUCT TEMPORARY BERMS, DRAIN DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSWI), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
- SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
- FINISH PAVING ALL ROADWAYS.

E2

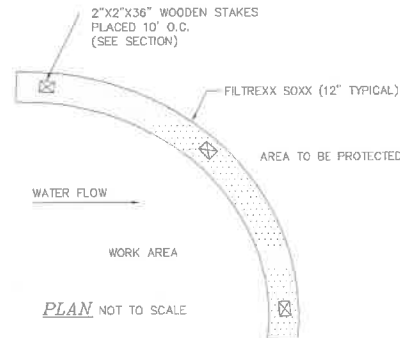
CONSTRUCTION SAFETY FENCE
NOT TO SCALE



- ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
- ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
- WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE GRIP LINE OF THE TREE.
- SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
- THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

E6

FILTREXX SEDIMENT CONTROL
NOT TO SCALE



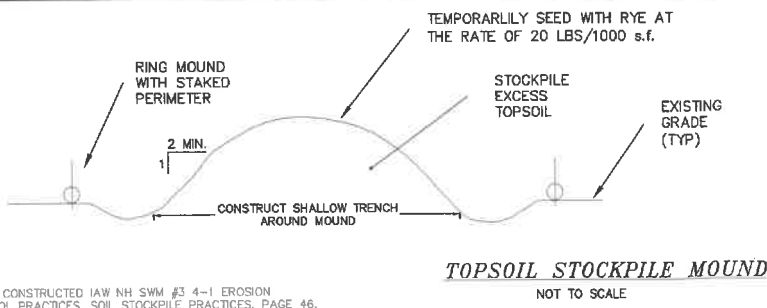
- NOTES**
- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 - FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
 - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
 - SILT/ROCK MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
 - SILT/ROCK COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIREMENTS OF THE SPECIFIC APPLICATION.
 - FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXX INTERNATIONAL, LLC.
 - SILT FENCE IS NOT A SUBSTITUTION FOR SILT SOXX AND ANY EQUAL SUBSTITUTION TO BE APPROVED.
 - TO BE CONSTRUCTED IAW FILTREXX, SECTION 1: EROSION & SEDIMENT CONTROL (PAGE 323) - CONSTRUCTION ACTIVITIES, SWPPP CUT SHEET: FILTREXX SEDIMENT CONTROL

Filtrix International, LLC
35481 Grafton Eastern Rd | Grafton, Oh 44044
440-926-2607 | fax: 440-926-4021
WWW.FILTREXX.COM
OR APPROVED EQUAL

- NOTE:** FOR AREAS REQUIRING DOUBLE PERIMETER CONTROL WITHIN 50' OF JURISDICTIONAL WETLANDS AND NOT FOR ALL SILT SOXX APPLICATIONS, THIS DUPLICATION MAY BE SPECIFIED AS 12" SILT SOXX OR ORANGE CONSTRUCTION FENCE AS NOTED.

SECTION NOT TO SCALE

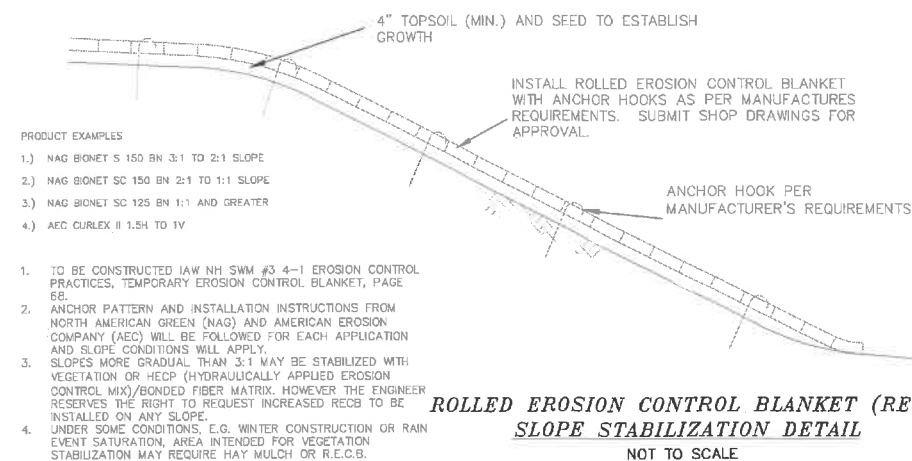
E9



E10

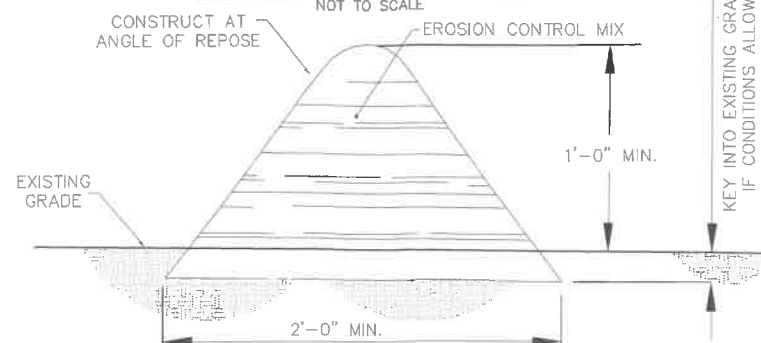
TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES			
d50 SIZE=	0.5	FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO	
100%	9	12	
85%	8	11	
50%	6	9	
15%	2	3	

E11



E4

EROSION CONTROL MIX BERM
NOT TO SCALE



- EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:**
- BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
 - THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
 - THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%.
 - SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100% DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS.
 - WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
 - THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
 - THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
 - THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
 - THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
 - TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

E7

TEMPORARY EROSION CONTROL MEASURES

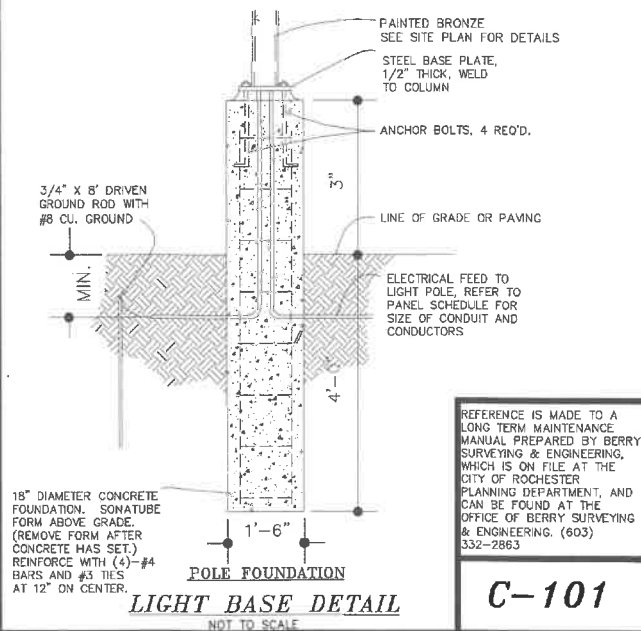
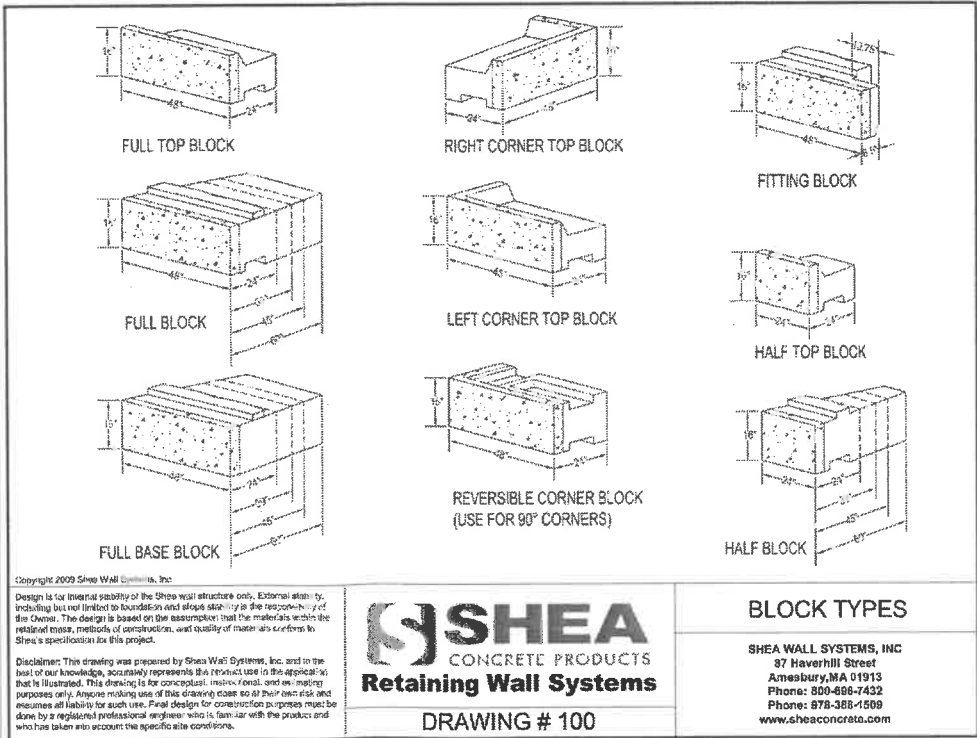
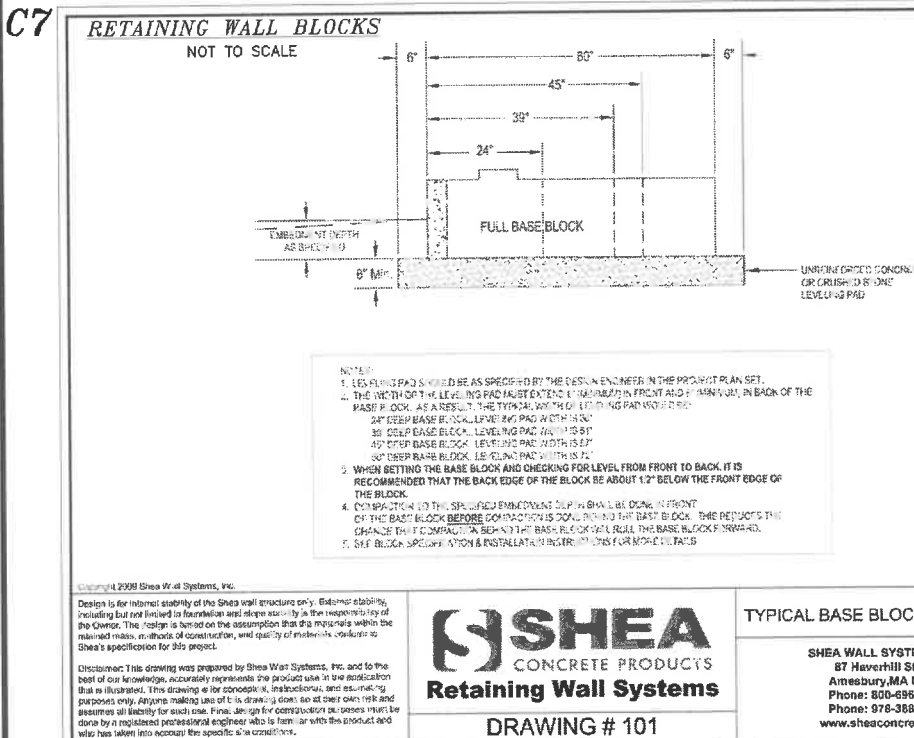
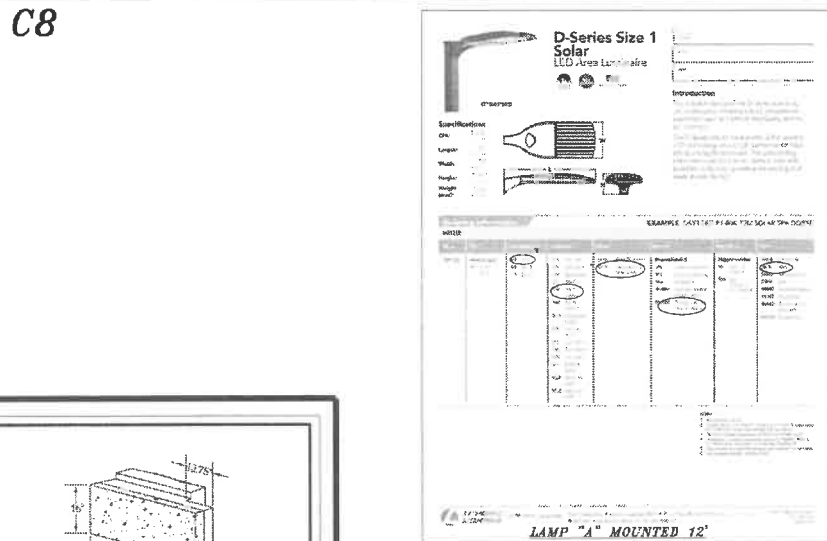
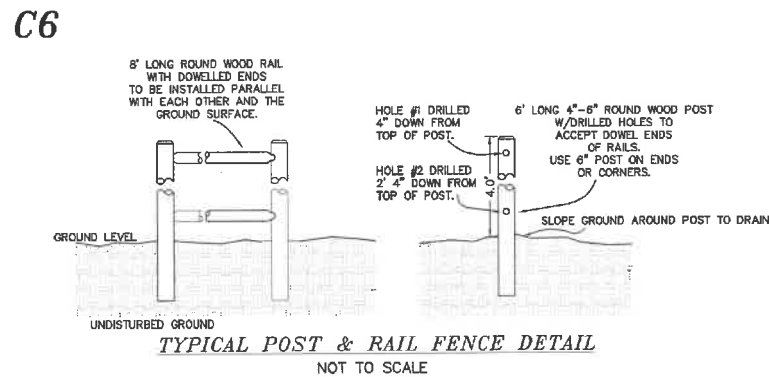
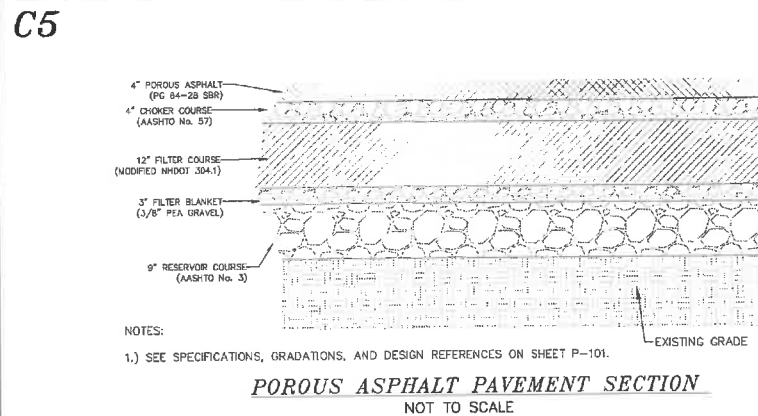
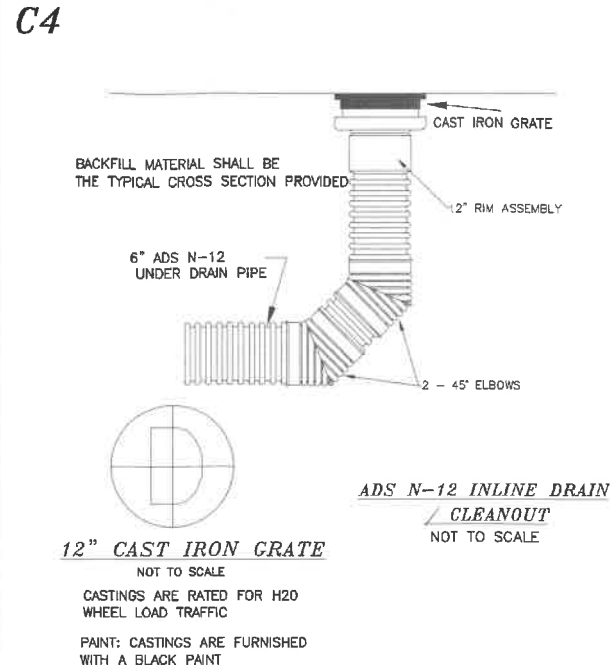
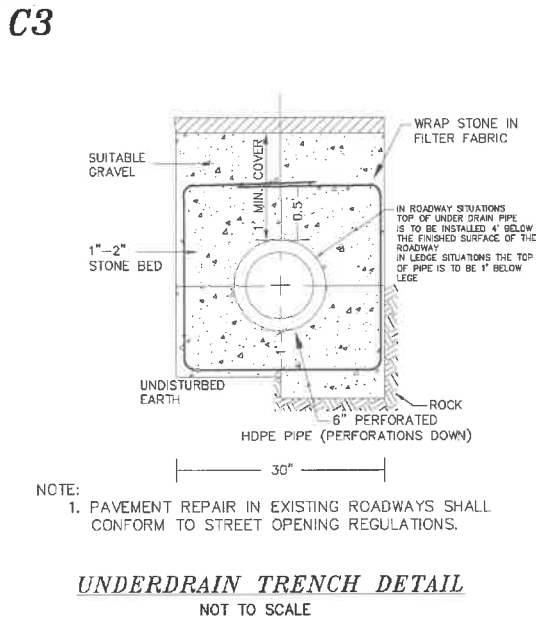
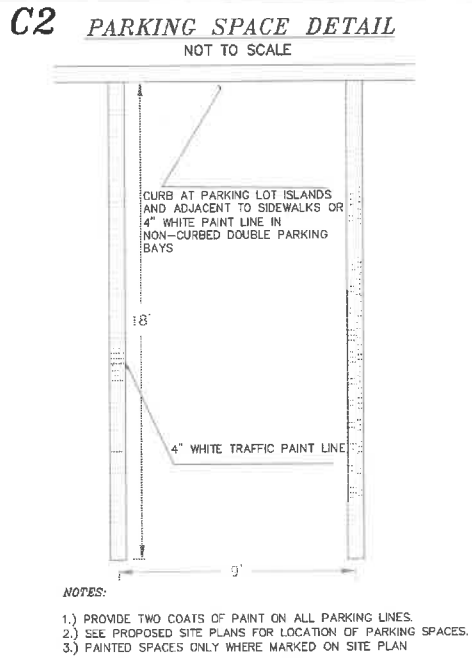
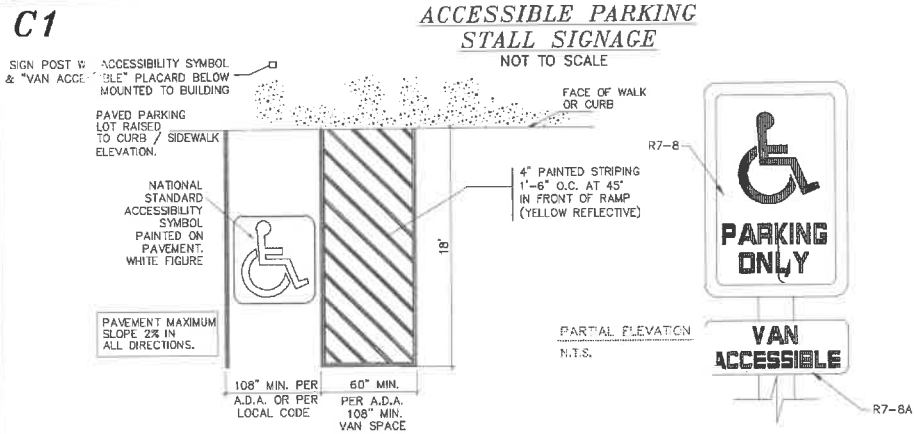
- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS THIS SHEET)
- ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 45 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
- SILT FENCES AND PERIMETER BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- PER THE EPA CDP REQUIREMENTS THERE WILL BE REPORTS OF THE EROSION CONTROL INSPECTIONS IAW SWPPP PREPARED BY BS&E. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OR GREATER RAIN EVENT.
- DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
- DRIVEWAYS AND CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
- STABILIZATION MEANS:
 - A MINIMUM OF 85% OF VEGETATIVE COVER HAS BEEN ESTABLISHED.
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED.
 - EROSION CONTROL BLANKETS HAVE BEEN INSTALLED.
- THIS 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.
- THE NHDES STORMWATER MANUAL, IN THREE VOLUMES, DATED DECEMBER 2008, IS A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (NH SWM)

EROSION & SEDIMENT CONTROL DETAILS
LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0712, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603) 332-2863
SCALE: AS SHOWN
DATE: MAY 23, 2022
FILE NO.: DB 2022-006



E-101



REVISION	DATE	REVISED PER TRC COMMENT	DESCRIPTION
#1	6-15-22		

CONSTRUCTION DETAILS

LAND OF
MONARCH SCHOOL OF NEW ENGLAND
105 EASTERN AVE
ROCHESTER, N.H.
TAX MAP 0112, LOT 20

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
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DATE : MAY 23, 2022
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KENNETH A. BERRY
Professional Engineer
State of New Hampshire
No. 1424