SHARD ST. SHARD ST. SHARD ST. SITE SHARD ST. SITE SHARD ST. SITE SHARD ST. SHARD ST. SITE SHARD ST. SHARD ST.

SITE DEVELOPMENT PLANS PROPOSED BUILDING ADDITION 343 & 333 WEYMOUTH STREET IN

Drawing Index:

No. <u>Drawing Title</u>

CS-1 COVER SHEET

.-1 LEGEND, ABBREVIATIONS & GENERAL

NOTES

EX-1 EXISTING CONDITIONS PLAN

C-1 SITE LAYOUT PLAN

C-2 GRADING AND UTILITY PLAN

ESC-1 EROSION AND SEDIMENT CONTROL PLAN

LA-1 LANDSCAPING PLAN

D-1 - D-5 CONSTRUCTION DETAILS

Planning Received 12/6/22

ABINGTON STREET

Owner:

DTC, LLC 333 WEYMOUTH ST. ROCKLAND, MA 02370

SOUTH SHORE INDUSTRIAL PARK TR. 20 WINTHROP SQ. BOSTON, MA 02110

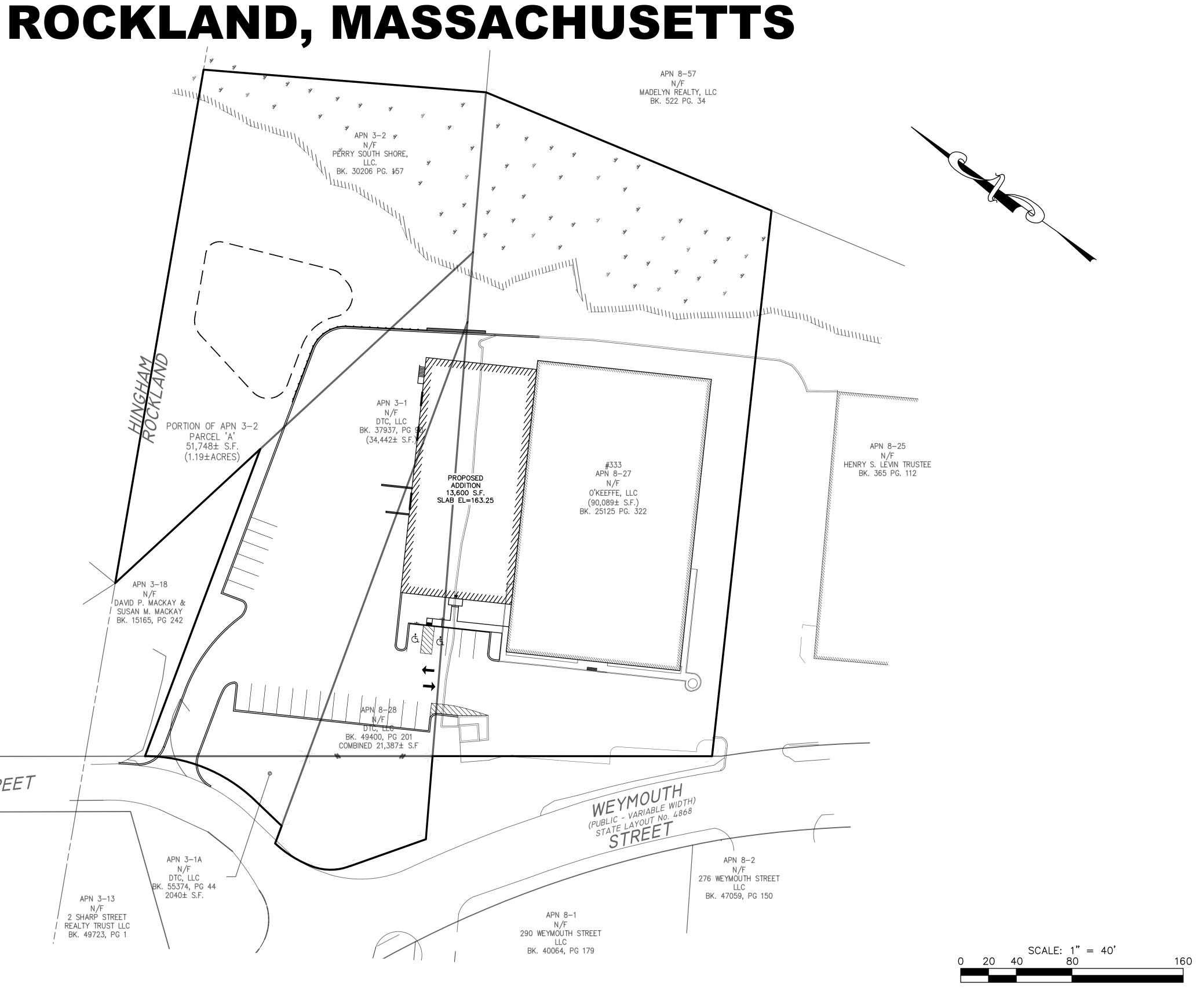
O'KEEFFE, LLC 333 WEYMOUTH ST. ROCKLAND, MA 02370

Applicant:

DTC, LLC 333 WEYMOUTH ST. ROCKLAND, MA 02370

Engineer/Surveyor:

MCKENZIE ENGINEERING GROUP, INC. 150 LONGWATER DRIVE SUITE 101 NORWELL, MASSACHUSETTS 02061



PROFESSIONAL ENGINEER:

APPLICANT:
DTC, LLC
333 WEYMOUTH ST.
ROCKLAND, MA 02370

DRAWN BY:
DESIGNED BY:
CHECKED BY:

APPROVED BY:

PROJECT NO.:

COVER SHEET

CS-1

DWG. TITLE:

JUNE 13, 2022

218-102

ABBREVIATIONS

POLYETHYLENE PIPE

PAVED WATER WAY

REMOVE AND RESET

REMOVE AND STACK

STONE BOUND/DRILL HOLE

SLOPED GRANITE EDGING

TRAFFIC CONTROL BOX

TELEPHONE MANHOLE

VITRIFIED CLAY PIPE

VERTICAL GRANITE CURB

TAPPING SLEEVE, VALVE AND BOX

POLYVINYL CHLORIDE PIPE

REINFORCED CONCRETE PIPE

PROPERTY LINE

PROPOSED

PAVEMENT

REMOVE

REMODEL

RAILROAD

RIGHT OF WAY

STONE BOUND

SEWER MANHOLE

SEWER SERVICE

RETAIN

SEWER

STATION

TELEPHONE

TRAFFIC LIGHT

TRANSFORMER

TOP OF SLOPE

UTILITY POLE

WATER MAIN

WATER GATE

VERTICAL

STEEL SIDEWALK

PROP

PVC

PVMT

PWW

RCP

REM

RET

ROW

R&R

R&S

SB

SB/DH

SGE

SMH

STA

SS

STL

 SW

TCB

TMH

TRANS

TSV

TYP

UP

VCP

VGC

WG

VERT

REMOD

Existing Proposed Description ABAN ABANDONED ACP ASBESTOS CEMENT PIPE ACR +100.50SPOT ELEVATIONS ACCESSIBLE CURB RAMP × 100.50 ADJ ADJUST TOP & BOTTOM ELEVATIONS APPROX **APPROXIMATE** ASPH ASPHALT **ACCMP** ASPHALT COATED CORRUGATED METAL PIPE <u> 100.50</u> SPOT ELEVATIONS WITH LEADER BOLLARD BOUND BLDG BUILDING HYDRANT BIT CONC BITUMINOUS CONCRETE WATER GATE VALVE BENCHMARK BOTTOM OF SLOPE CAP CORRUGATED ALUMINUM PIPE CB CATCH BASIN GAS GATE C&C CUT AND CAPPED CB/DH CONC. BOUND/DRILL HOLE ELECTRIC HANDHOLE CB/EPLP CB/ESCUTCHEON CCB LIGHT POLE CAPE COD BERM CIP CAST IRON PIPE UTILITY POLE CIT CHANGE IN TYPE CENTERLINE GUY POLE CLF CHAIN LINK FENCE CO CLEAN OUT **GUY ANCHOR** CONC CONCRETE COND CONDUIT DRAIN MANHOLE CMP CORRUGATED METAL PIPE CPP CORRUGATED POLYETHYLENE PIPE SEWER MANHOLE CS COMBINED SEWER CATCH BASIN CSMH COMBINED SEWER MANHOLE CULV CULVERT DOUBLE CATCH BASIN DELTA ANGLE TEST PIT DCB DOUBLE CATCH BASIN DIP DUCTILE IRON PIPE BORING DMH DRAIN MANHOLE SIGN SINGLE POST ELECTRIC ECC EXTRUDED CONCRETE CURB GRANITE OR CONCRETE BOUND ELEV ELEVATION EMH ELECTRIC MANHOLE WETLAND FLAG E/T/C ELECTRIC, TELEPHONE, & CABLE TV END WALL **EXIST EXISTING** EXISTING BUILDING FAB FIRE ALARM BOX FES FLARED END SECTION FND. FOUND PROPOSED BUILDING FND FOUNDATION F&C FRAME AND COVER MAJOR CONTOUR F&G FRAME AND GRATE GAS MINOR CONTOUR _ __ _ _ _ _ GD GROUND GAS GATE CHAINLINK FENCE GIP GALVANIZED IRON PIPE GP GUARD POST _____ CTV _____ CABLE TV LINE GS GAS SERVICE GR GUARD RAIL _____ *E/T/C* _____ CABLE TV DUCTBANK GRAN. GRANITE HDPE HIGH-DENSITY POLYETHYLENE PIPE OVERHEAD ELECTRIC _____ OHW _____ _____ OHW _____ HANDHOLE HOR HORIZONTAL NATURAL GAS LINE HIGH PRESSURE HWL HEADWALL _____ S ____ ———— S ———— SANITARY SEWER MAIN HYD HYDRANT INVERT INV I.P. IRON PIN I.R. — τ — Telephone line IRON ROD LEAD WATER MAIN LANDSCAPED AREA LSA LIGHT POLE FIRE PROTECTION LINE MAXMAXIMUM MC METAL COVER RETAINING WALL MCC MH MONOLITHIC CONCRETE CURB TREELINE ~~~~~ MANHOLE MHB MASS. HIGHWAY BOUND HAYBALE & SILT FENCE MIN MINIMUM MLP METAL LIGHT POLE LIMIT BORDERING VEGETATED NIC NOT IN CONTRACT WETLAND RESOURCE(1) NTS NOT TO SCALE OHW OVERHEAD WIRE 100' WETLAND BUFFER ZONE _____ PB PULL BOX

LEGEND

GENERAL NOTES

SURVEY NOTES: 1. APPLICANT:

OWNER:

333 WEYMOUTH ST. ROCKLAND, MA 02370

DTC, LLC 333 WEYMOUTH ST.

ROCKLAND, MA 02370

RECORDED PARCELS: DEED 37939 / PAGE 90-91 DEED 55374 / PAGE 44

> DEED 49400 / PAGE 201 DEED 25125 / PAGE 322 PLAN BK 36 / PAGE 649 PLAN BK 48 / PAGE 392

DEED 30206 / PAGE 157

REGISTERED PARCEL: FORMERLY APN 8-28 - #3 ON LAND COURT PLAN 41188A

- 2. LOCUS IS SHOWN AS FORMERLY APN'S 3-1, 3-1A, 8-27, 8-28 AND PORTION OF APN 3-2 ON THE TOWN OF ROCKLAND ASSESSORS MAPS.
- 3. DEEDS TO LOCUS ARE RECORDED IN THE PLYMOUTH COUNTY REGISTRY OF DEEDS IN THE FOLLOWING BOOK 55374 PAGE 44, BOOK 30206 PAGE 157, BOOK 37939 PAGE 90, BOOK 25125 PAGE 322. AND BOOK 49400 PAGE 201. RESPECTIVELY.
- 4. WETLAND RESOURCE AREAS ENCOUNTERED ON LOCUS WERE DELINEATED BY ENVIRONMENTAL CONSULTING AND RESTORATION, LLC, ON AUGUST 10, 2020 AND LOCATED
- BY INSTRUMENT SURVEY BY McKENZIE ENGINEERING GROUP, INC. 5. LOCUS IS SITUATED IN THE INDUSTRIAL PARK-HOTEL ZONING DISTRICT (H-1). LOT REQUIREMENTS

MINIMUM LOT WIDTH: 110' MINIMUM FRONTAGE: 110' MINIMUM UPLAND: 22,000 SF.

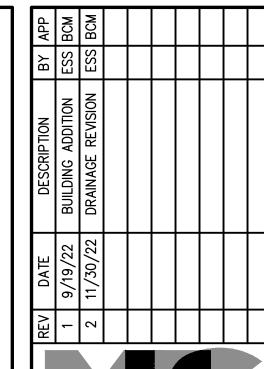
DIMENSIONAL REQUIREMENTS FRONT YARD SETBACK: 50 SIDE YARD SETBACK:

- REAR YARD SETBACK: 30' A PORTION OF THE LOCUS IS SITUATED IN ZONE A, THE REMAINING AREA IS SITUATED IN
- ZONE X, AS SHOWN ON F.I.R.M. 25028C0091K, EFFECTIVE JULY 6, 2021. THE PROPERTY SHOWN HEREON IS NOT LOCATED IN A DEP ZONE 2 OR A TOWN OF ROCKLAND WATERSHED PROTECTION DISTRICT. THE SITE IS LOCATED WITHIN A ZONE C SURFACE WATER PROTECTION AREA.
- THIS SURVEY WAS MADE ON THE GROUND IN AUGUST OF 2020 BY McKENZIE ENGINEERING
- 9. ELEVATIONS SHOWN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD)
- 10. AN APPROVAL NOT REQUIRED PLAN WAS APPROVED BY THE ROCKLAND PLANNING BOARD ON MAY 24, 2022 COMBINING PARCEL A (PORTION OF APN 3-2) WITH AN AREA OF 51,730 SF WITH APN 3-1 WITH AN AREA OF 34,441 SF., WITH APN 3-1A WITH AN AREA OF 2,037 SF., WITH APN 8-27 WITH AN AREA OF 90,089 S.F., AND WITH APN 8-28 WITH AN AREA OF 21,389 SF., TO CREATE "LOT 1", COMPRISING A TOTAL AREA OF 199,685 SF±, (4.58± ACRES).

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY. ANY GOVERNING PERMITTING AUTHORITY. AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS

- SHOWN ON THE PLAN. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE WORK.
- 3. ALL ONSITE UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
- 4. THE CONTRACTOR SHALL COORDINATE ALL STREET WORK WITH THE ROCKLAND DPW. 5. THE CONTRACTOR SHALL EXCAVATE TEST PITS PRIOR TO INSTALLING THE SEWER SERVICE TO VERIFY THE ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH THE RESULTS PRIOR TO COMMENCING ANY WORK.
- 6. A MINIMUM OF 10 FEET CLEAR HORIZONTALLY SHALL BE MAINTAINED BETWEEN SANITARY SEWER SERVICES AND WATER SERVICES. WHENEVER CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER SERVICE THE ELEVATION OF THE CROWN OF THE SEWER SHALL BE AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER SERVICE. ALL OTHER UTILITIES REQUIRE MINIMUM 5' SEPARATION FROM OTHER UTILITIES.
- 7. ALL GRAVITY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SDR-35 UNLESS OTHERWISE
- 8. WHERE SANITARY SEWERS CROSS WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. IF THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THIS REQUIREMENT, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR CONSTRUCTED WITH MECHANICAL-JOINT PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. WHENEVER IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE ENCASED IN CONCRETE FOR A MINIMUM DISTANCE OF 10 FEET FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.
- 9. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ROCKLAND

DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.





Assinippi Office Park 150 Longwater Drive, Suite 101 Norwell, MA 02061 P: 781.792.3900 F: 781.792.0333

www.mckeng.com

PROFESSIONAL ENGINEER:

0

DRAWN BY: DESIGNED BY: CHECKED BY: APPROVED BY: JUNE 13, 2022 SCALE:

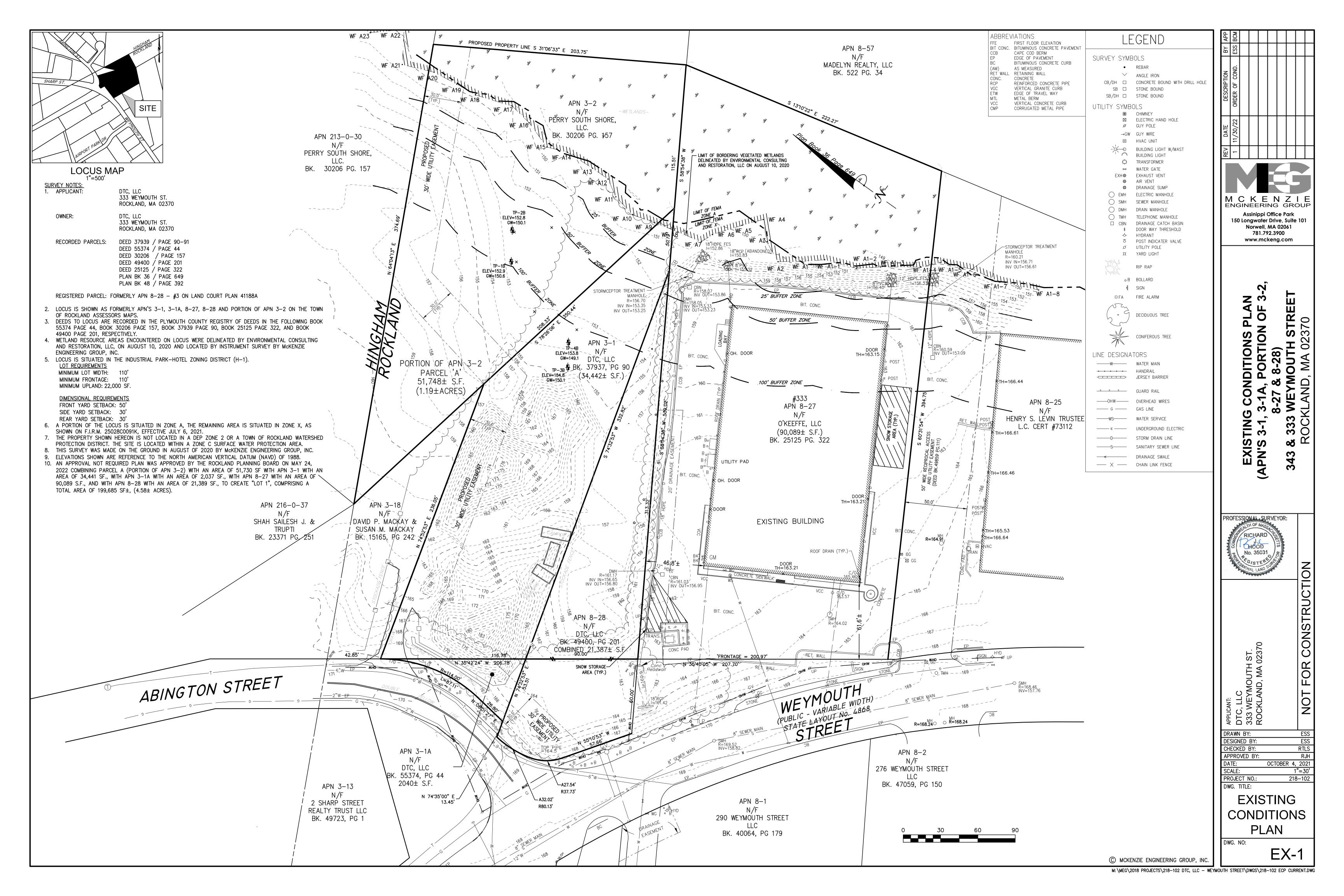
1"=30 PROJECT NO.: 218-102 DWG. TITLE: LEGEND, **ABBREVIATIONS**

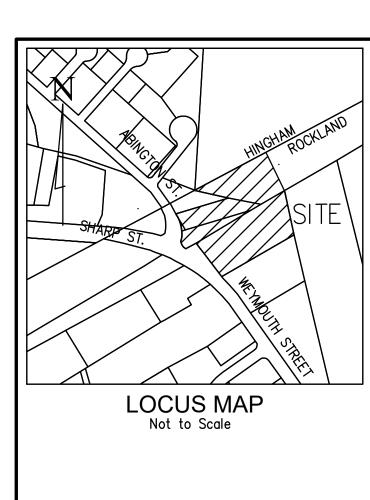
AND GENERAL NOTES

_=′

DWG. NO:

© MCKENZIE ENGINEERING GROUP, INC





LAND USAGE TABLES

ARTICLE V - BUILDING, LOT AND GENERAL DISTRICT REGULATIONS

INDUSTRIAL PARK-HOTEL (H-1) ZONING DISTRICT

THE SETTING THE CONTROL OF THE CONTR					
CRITERIA	REQUIRED	EXISTING (APN 8–27)	PROPOSED		
MIN. LOT AREA		90,089 S.F.	199,685 S.F.		
MAX. LOT COVERAGE (BUILDING)	50%	29.4%	20.0%		
MIN. LOT FRONTAGE	110 FT.	201.0 FT.	505.6 FT.		
MAX. BUILDING HEIGHT	3 STORIES/36 FT.	<36 FT.	<36 FT.		
FRONT YARD SETBACK	50 FT.	61.6 FT.	61.6 FT.		
REAR YARD SETBACK	30 FT.	128.8 FT.	128.8 FT.		
SIDE YARD SETBACK	30 FT.	30.0 FT.	30.0 FT.		

PARKING CALCULATIONS (PROPOSED BUILDING ADDITION) SECTION 415-35 OFF-STREET PARKING

COMPONENT	REQUIRED (ROCKLAND ZONING BYLAW)	REQUIRED	
OFFICE (MEZZANINE)	1 PER 250 S.F. FLOOR AREA (2,400 S.F. / 250 S.F. = 9.6 SPACES)	15	
	1 PER TWO OFFICE EMPLOYEES (10 EMPLOYEES / 2 = 5 SPACES)		
	10 + 5 = 15		
INDUSTRIAL (FIRST FLOOR OF ADDITION)	FIRST FLOOR OF ADDITION TO BE USED AS WAREHOUSE (13,600 S.F.)	6	
	1 PER TWO INDUSTRIAL EMPLOYEES (12 EMPLOYEES / 2 = 6 SPACES		
	1 PER EACH VEHICLE BASED ON THE PREMISES		PROPOSED
PARKING NOTES		21	25

PARKING NOTES:

1. EMPLOYEE PARKING DEMAND IS BASED ON THE MAXIMUM NUMBER OF EMPLOYEES PER SHIFT. 2. 25 TOTAL SPACES INCLUDES 1 AAB ACCESSIBLE SPACES 10' X 20' WITH 8' X 20' ACCESS AREA (VAN

ACCESSIBLE SPACE) (521 CMR: ARCHITECTURAL ACCESS BOARD) ACCESSIBLE SPACES REQUIRED = 1 (1-25 TOTAL SPACES)3. TOWN OF ROCKLAND ZONING BYLAW REQUIRES 10'X20' PARKING SPACES. 30% OF THE TOTAL REQUIRED PARKING MAY BE COMPACT PARKING SPACES SIZED 9'X18'. 6 - COMPACT PARKING SPACES ARE PROVIDED BY THIS SUBMISSION.

APN 8-57 EXISTING PROPERTY LINES TO BE ABANDONED MADELYN REALTY, LLC BK. 522 PG. 34 BUILDING ENVELOPE (TYP.) PĚRRY SOUTH SHORE, BK. 30206 PG. \$57 APN 213-0-30 PERRY SOUTH SHORE, LIMIT OF BORDERING VEGETATED WETLANDS
 DELINEATED BY ENVIRONMENTAL CONSULTING AND RESTORATION, LLC ON AUGUST 10, 2020 BK. 30206 PG. 157 WF `A13 LIMIT OF STORMWATER MANAGEMENT PROP. MODULAR BLOCK RETAINING WALL TOP OF WALL=162.25 AREA (TYP.) BOT OF WALL=VARIES M C K E N Z I E ENGINEERING GROUP REMOVE EXISTING CAPE COD BERM (TYP.) Assinippi Office Park √F,— LIMIT OF PROPOSED ADDITION (TYP.) 150 Longwater Drive, Suite 101 Norwell, MA 02061 P: 781.792.3900 PROP. WOOD GUARDRAIL (TYP.) -F: 781.792.0333 www.mckeng.com PROP. OVERHEAD DOOR (TYP.) ELEV=152.9 RMCERTOR TREATMENT 49.85' 25' BUFFER ZONE BIT. CONC. 50' BUFFER ZONE PROP. CEM. CONC. LEVEL [∩]BIT. CONC. # LANDING AREA W/ STAIRWAY DOOR TH=163.15 GW=149.1 PROP. 20' WIDE DRAINAGE TP-3B BK. EASEMENT (TYP.) ,100' BUFFER ZONE #333 APN 8-27 PROPOSED N/F ADDITION O'KEEFFE, LLC 13,600 S.F. SLAB EL=163.25 PROP. 15' WIDE BIT. CONC. (90,089± S.F.) LOADING RAMP (TYP.) BK. 25125 PG. 322 PROP. 6-9'X20' COMPACT PARKING SPACES (TYP.) PROP. 12" CAPE COD BERM (TYP.) - PROP. CEM. CONC. RETAINING WALL TOP OF WALL=VARIES DOOR BOT OF WALL=VARIES PROP. HANDICAP ACCESSSIBLE RAMP DOOR TH=163.21 - W/ 5' WIDE CEM. CONC. SIDEWALK APN 216-0-37 REMOVE PORTION OF EXISTING CEM. CONC. DAVID P. MACKAY & BUILDING SHAH SAILESH J. & PROFESSIONAL ENGINEER: I SUSAN M. MACKAY TRUPTI TH=165.53 - PROP. HANDICAP BK. 23371 PG, 251 / BK. 15165, PG 242 PARKING SIGN (TYP.) TH=166.64 PROP. PAVEMENT MARKING (4" PROP. MONOLITHIC ROOF DRAIN (TYP.) CONCRETE CURB SOLID WHITE LINE) (TYP.) PROP. 10'X20' PARKING_ SPACE (TYP.) PROP. EDGE OF PAVEMENT PROP. 24' WIDE BIT. CONC. DRIVE (TYP.) RELOCATE EXIST. UTILITY POLE, COORDINATE W/ BERM (TYP.) ABINGTON STREET —2"₩-EP--- RELOCATE EXIST. UTILITY POLE, COORDINATE W/ UTILITY CO. R=168.24 O R=168.24 PROP. SNOW STORAGE AREA DRAWN BY: DESIGNED BY: APN 3-1A APN 8-2 CHECKED BY: N/F APPROVED BY: DTC, LLC JUNE 13, 2022 276 WEYMOUTH STREET BK. 55374, PG 44 SCALE: LLC PROJECT NO.: 2040± S.F. BK. 47059, PG 150 APN 3-13 DWG. TITLE: R37.73' N/F N 74°35'00" E_ SITE APN 8-1 2 SHARP STREET 13.45' R80.13' N/F REALTY TRUST LLC LAYOUT 290 WEYMOUTH STREET BK. 49723, PG 1 SCALE: 1" = 30'15 30 **PLAN** 120 BK. 40064, PG 179 DWG. NO: **C-1** © MCKENZIE ENGINEERING GROUP, INC

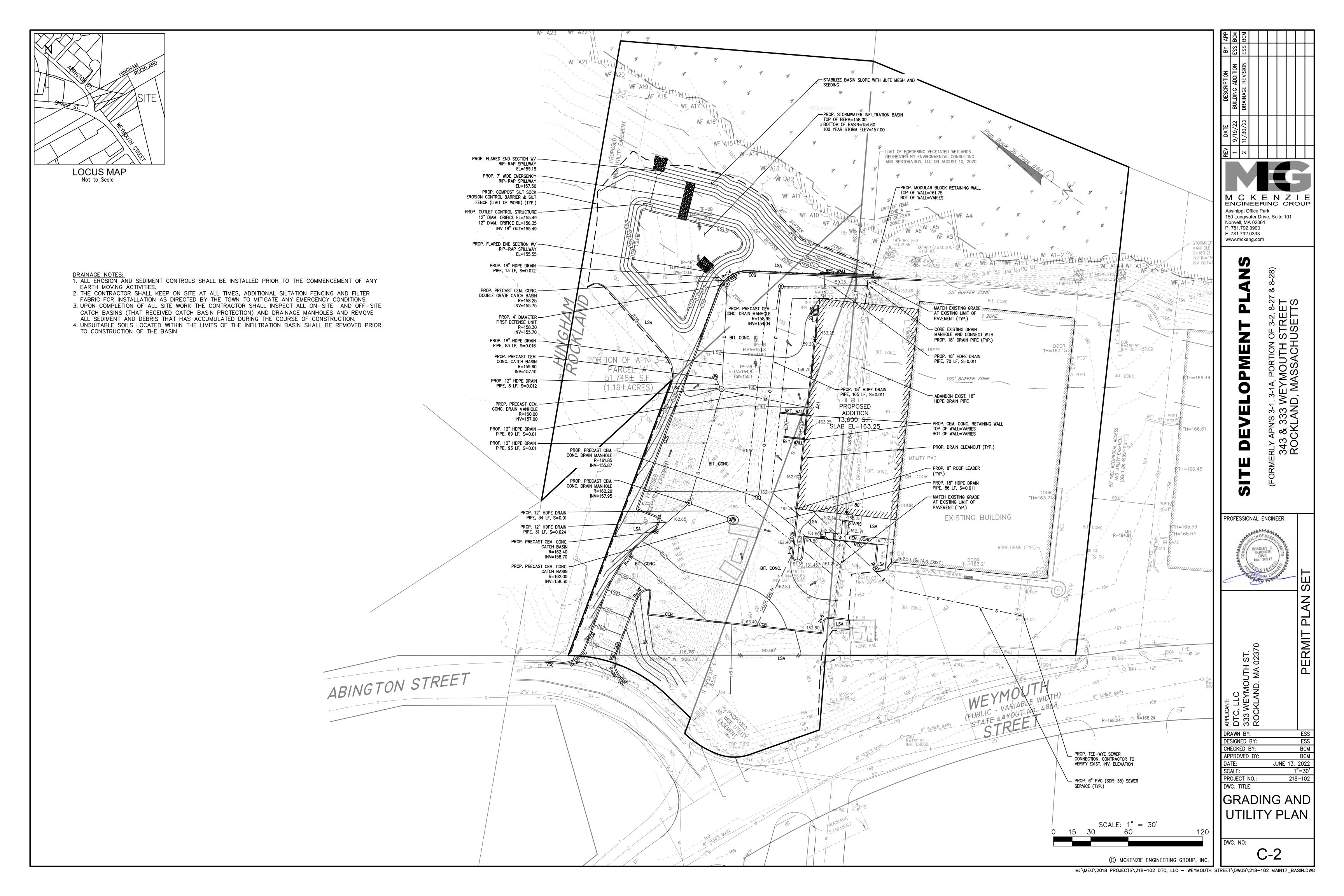
BCM

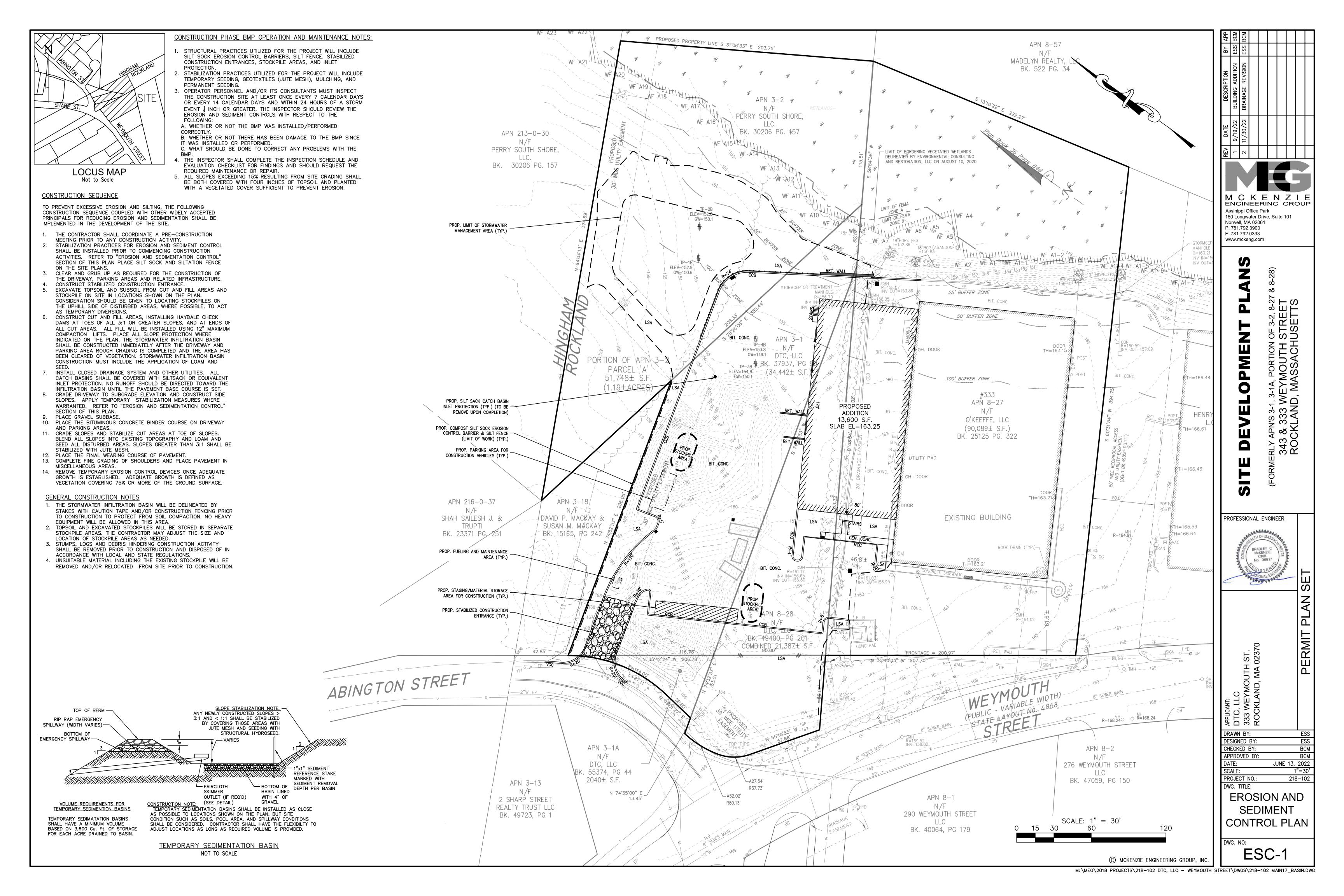
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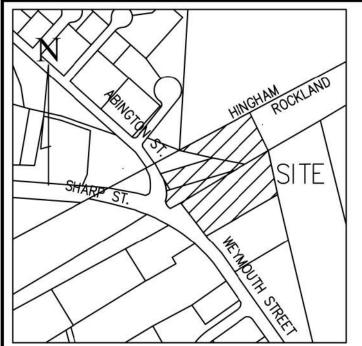
1"=30'

218-102

M:\MEG\2018 PROJECTS\218-102 DTC, LLC - WEYMOUTH STREET\DWGS\218-102 MAIN17_BASIN.DWG







LOCUS MAP Not to Scale

PROPOSED MITIGATION TASKS

Inner Buffer Zone (Green Shaded Area, 0-to-25-foot area) – Vegetation management tasks are proposed to manage non-native invasive plant species. Vegetation management activities proposed within the inner buffer zone consist of the following:

- 1. Non-native invasive plants A limited amount of non-native invasive plants are located within the designated inner buffer zone management area. Within this area, non-native invasive plants such as Glossy Buckthorn (Rhamnus frangula), Multiflora Rose (Rosa multiflora), Japanese Knotweed (Polygonum cuspidatum), etc. are proposed to be removed following the management
 - A botanist should flag the existing non-native invasive plants within the designated area.
 - The botanist working with the landscape contractor would review the designated plants proposed for removal prior to start of work.
 - The invasive shrubs and vines would then be cut at the base of the stem and then herbicide should be applied to prevent stump sprouting. The herbicide application for woody plants consists of painting or dabbing with herbicide the cut stem by a licensed herbicide applicator using an EPA approved herbicide for work in and near wetlands and waterways. The herbicide application for Japanese Knotweed consists of stem injection or foliar application by a licensed herbicide applicator using an EPA approved herbicide for work in and near wetlands and waterways This targeted application methodology eliminates impacts to non-target vegetation and eliminates the potential for overuse. The cut vegetation should be disposed of at a facility familiar with processing invasive
- 2. Native Planting Upon the removal of the non-native invasive plants, interplanting with new native shrubs is proposed to fill in sparse areas remaining from the non-native invasive plant removal work. The number of native shrubs and placement would be at the direction of the overviewing wetland specialist. Native plants for interplanting in this area will follow the same species and sizes proposed in the outer buffer zone listed in the sections below.

Outer Buffer Zone (Green Shaded Area, 25-to-100-foot area) – Vegetation management activities and the replacement of native vegetation is proposed within the outer buffer zone area once the stormwater infiltration basin has been constructed. Proposed activities within the outer buffer zone consist of the following:

- 1. Non-native invasive plants Non-native invasive plants are located within the designated outer buffer zone management area. Within this area, the same non-native invasive plant species listed above are found but in more significant numbers. Since this area is to be developed as part of the proposed stormwater infliltration basin, these non-native invasive plants can be excavated and removed from the site. The following management strategy listed below:
 - A botanist should flag the existing non-native invasive plants within the designated area. Prior to site operations, the excavator operator should excavate the flagged non-native invasive plants to include the root zone and place these excavate plants in a separated container for disposal at a facility familiar with processing of non-native invasive plants.
- 2. Native Planting Upon the construction of the stormwater infiltration basin with side slopes, the planting of native shrubs is proposed to enhance the buffer zone. The planting of native shrubs and native seed mix is shown removal the site plan. The planting work would be at the direction of the overviewing wetland specialist. Upon completion of planting, the root zones of the plants will be mulched with a 1- to 2-inch-thick layer of leaf litter or other natural organic mulch. The shrubs will be installed in a hole 1.5 feet larger than the ball of the plant and the hole will not be deeper than the depth of the root ball. The hole will be backfilled with soil of the same mix as existing within the surrounding area and compost or other organic amendments will be added to the backfill to increase water-holding capacity. Watering will be of sufficient quantity to penetrate the soil to a depth of eight inches, which will meet the moisture needs of the plant without saturating the soil. All plantings will be done by hand during early spring (March 15th to April 30th) or late fall (October 15th to November 30th) seasons and supervised by a qualified wetland scientist. Please note that wetland seed mix germination is optimal in the spring season when soil temperatures are above 45 degrees. If necessary, the plants may require a hand sprayed application of deer repellent to prevent plant death by browsing deer.

Monitoring - The mitigation areas should be monitored in accordance with the anticipated Order of Conditions. At a minimum, the areas should be monitored for the first two growing seasons following construction. Monitoring reports will be submitted to the Conservation office no later than December 15th of each year. The first year of monitoring will be the first year that the site has been through a full growing season after completion of construction and planting. For monitoring purposes, a growing season starts no later than May 31st. Each monitoring report should include photographs and recommendations such as remedial actions to maintain plants, additional plantings, etc. In the event that any plantings within the mitigation area are found to be unviable or dead, they will be replaced with like kind and size. Replacement of plantings will take place when found or as soon as seasonal weather permits. Any such replacement work will be included in the monitoring reports for that period. Monitoring for invasive species should also be conducted and handpicked before becoming widespread and established.

PROPOSED MITIGATION AREA SEED MIX

ERNST SEEDS Catalog | Price List | Project Planner | Contact | 800-873-3321 Products | Seeds by Use | Resource Center | About Us 🔰 🕴 👩 in 🖸 🖼

Native Upland Wildlife Forage & Cover Meadow Mix

Mix Composition

34.9% Andropogon gerardii, 'Niagara' (Big Bluestem, 'Niagara') 27.0% Panicum virgatum, 'Shawnee' (Switchgrass, 'Shawnee')

21.0% Elymus virginicus, Madison-NY Ecotype (Virginia Wildrye, Madison-NY Ecotype)

9.0% Sorghastrum nutans, 'Southlow'-MI Ecotype (Indiangrass, 'Southlow'-MI Ecotype) 3.0% Rudbeckia hirta (Blackeyed Susan

2.0% Chamaecrista fasciculata, PA Ecotype (Partridge Pea, PA Ecotype)

1.5% Heliopsis helianthoides, PA Ecotype (Oxeye Sunflower, PA Ecotype)

1.0% Coreopsis tinctoria (Plains Coreopsis

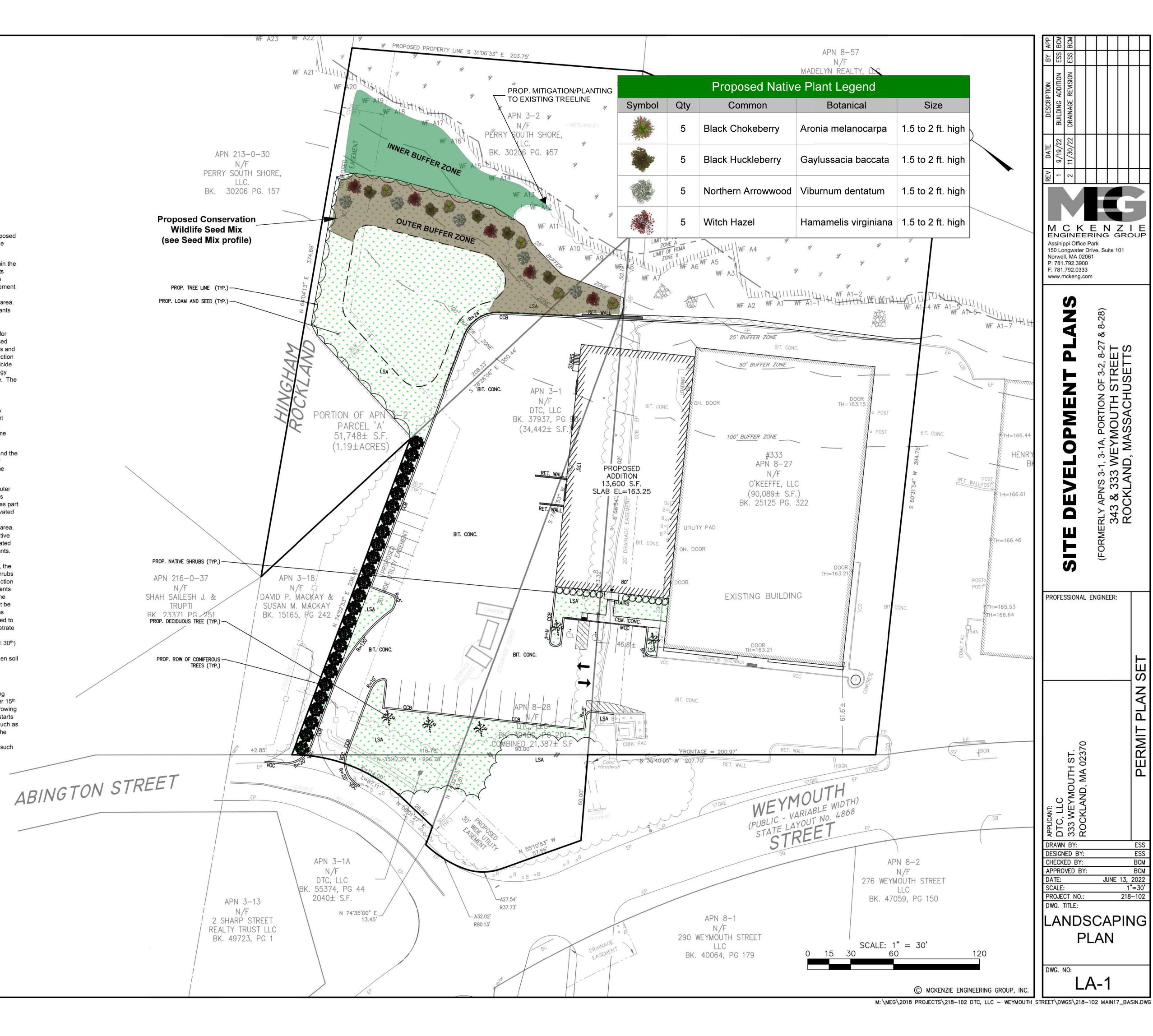
0.4% Desmodium canadense, PA Ecotype (Showy Ticktrefoil, PA Ecotype) 0.1% Asclepias syriaca (Common Milkweed)

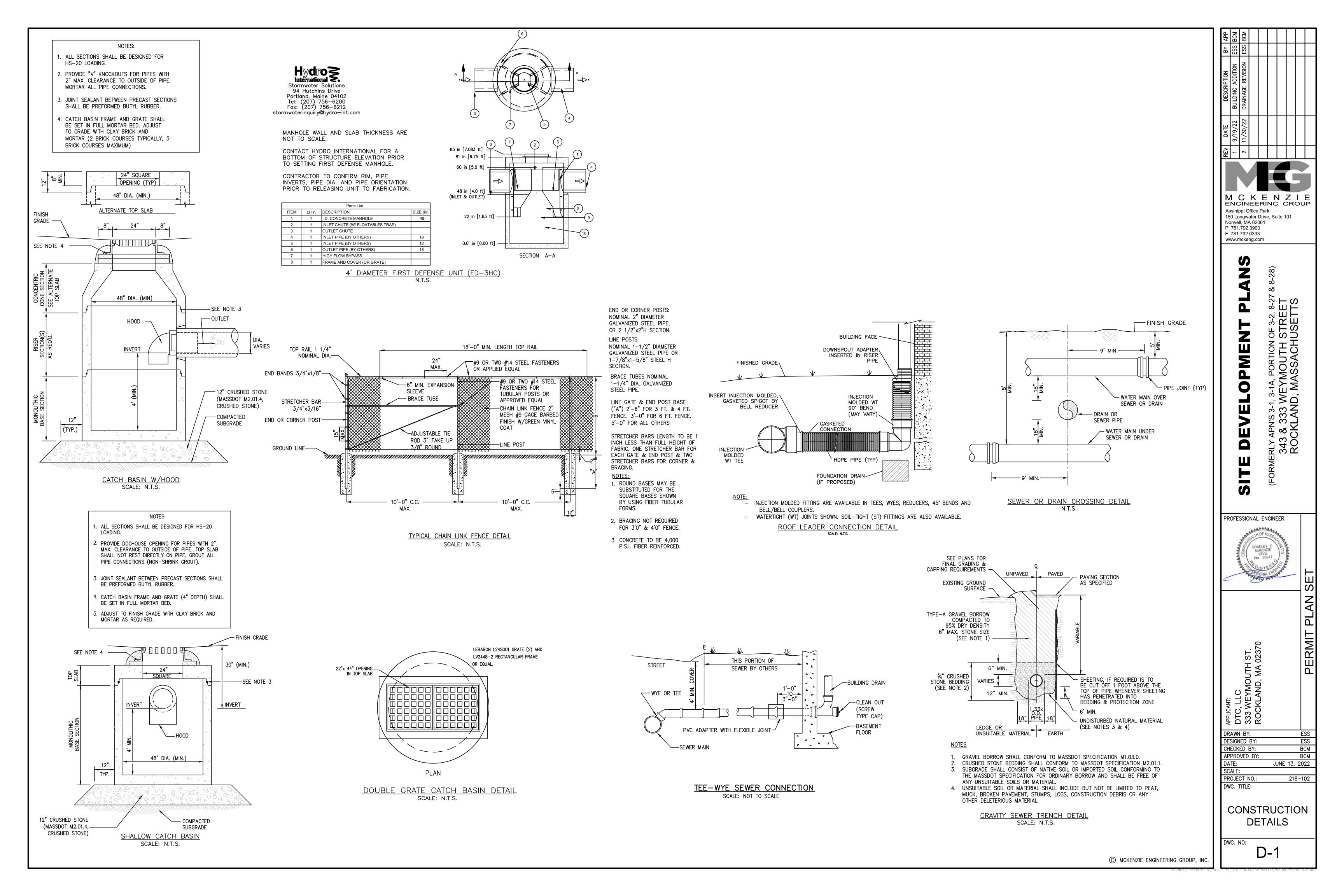
0.1% Monarda fistulosa, Fort Indiantown Gap-PA Ecotype (Wild Bergamot, Fort Indiantown Gap-PA Ecotype)

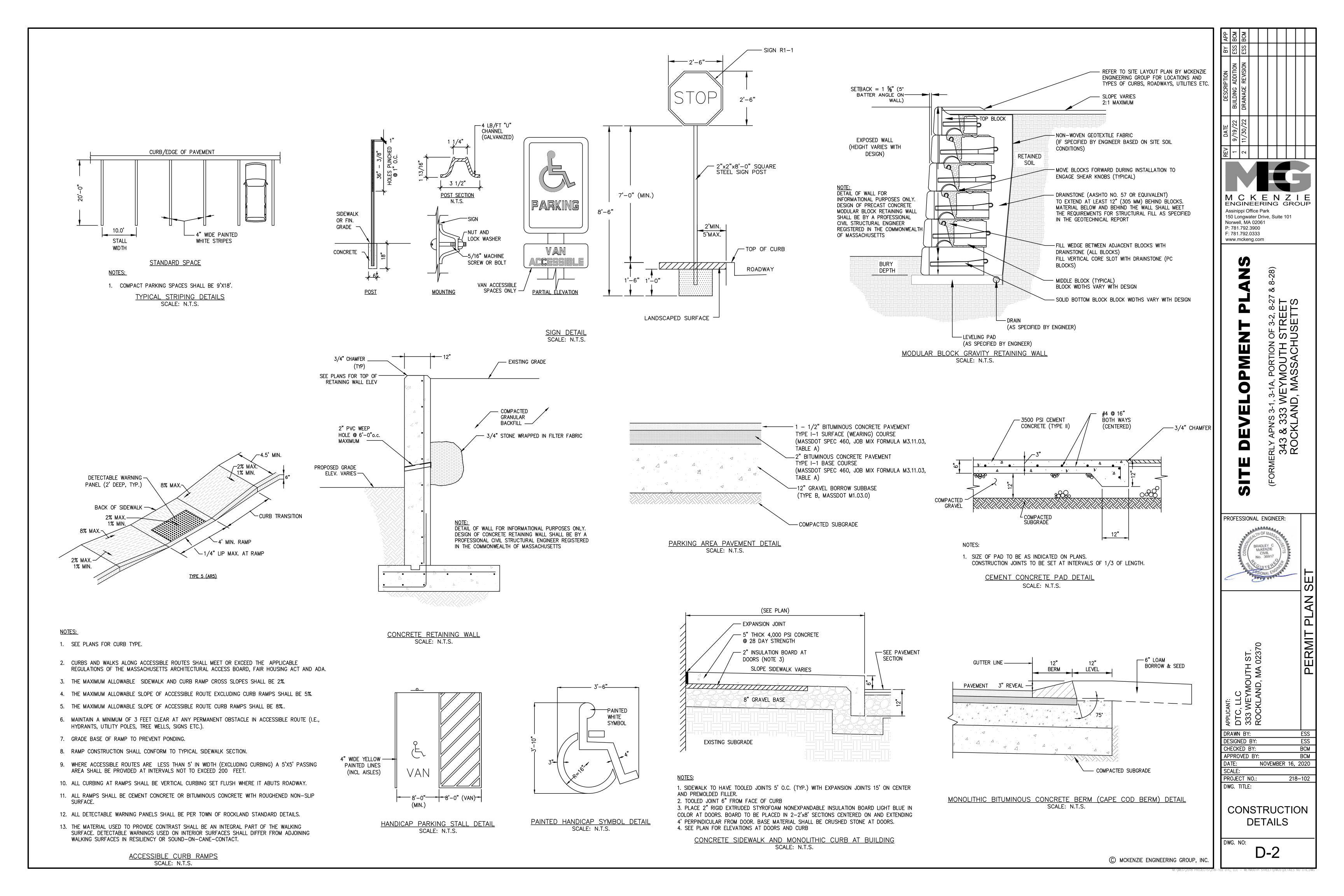
General Product Information:

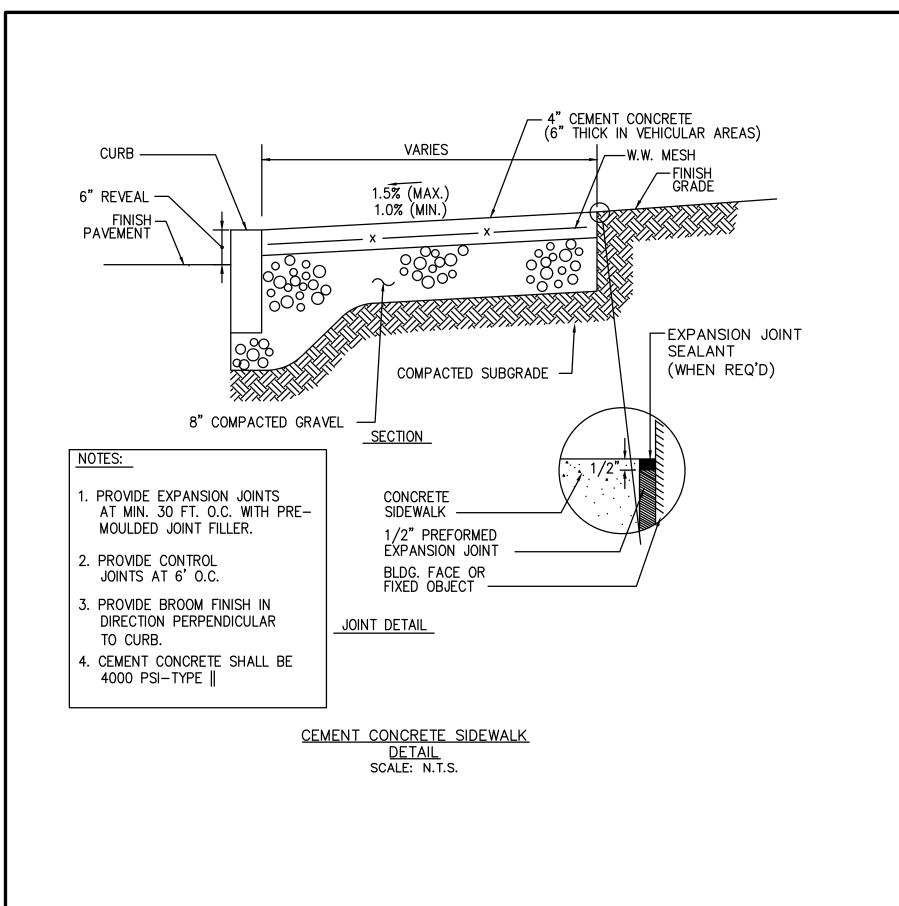
This perennial grass mix with re-seeding annual forbs creates attractive first-year color and perennial cover when planted in full sun or partially shaded areas. Seed from October-May in rich well-drained soils. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the

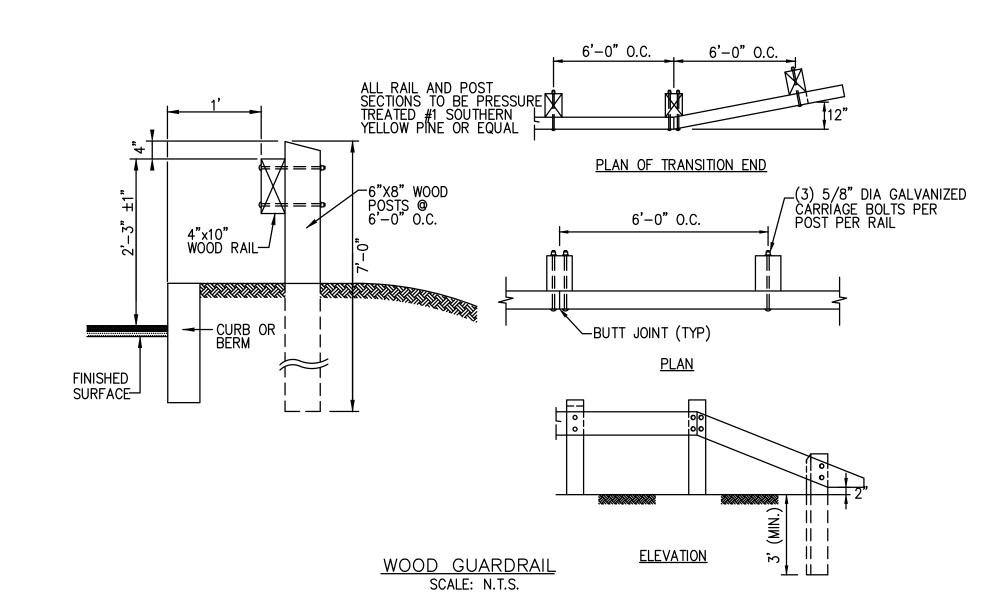
mix will not. Item Number: ERNMX-123











2" MIN. DEPRESSION EDGE OF LAWN — FINISHED GRADE 4" BARK MULCH (DO NOT PLACE ABOVE FINISHED LAWN GRADE) - REMOVE BURLAP FROM TOP HALF OF ROOTBALL. IF 1'-0" MIN. SYNTHETIC MATERIAL REMOVE COMPLETELY.

PLANTING DETAIL

SCALE: N.T.S.

— OUTLET PREFORMED FLEXIBLE JOINT SEALANT **VARIES** - 12" CRUSHED STONE (MASSDOT M2.01.4, CRUSHED STONE) — COMPACTED SUBGRADE

DRAIN MANHOLE DETAIL SCALE: N.T.S.

24" DIA.

ACCESS

ALTERNATE TOP SLAB

24" DIA.

ACCESS

STEPS, SEE

48" DIA. (MIN.)

FINISH

NOTE 5.

GRADE -

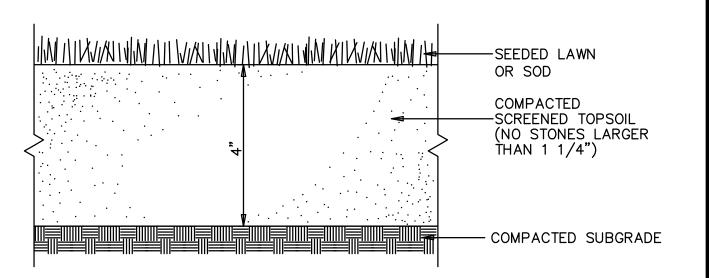
48" DIA. (MIN.)

4 4 4

—CAST IRON CLEANOUT COVER LeBARON LA0910 OR EQUAL FINISHED GRADE ─ 6" PE THREADED CAP W/REMOVABLE PLUG 6" 45° BEND FLOW 6" PIPE 6" PIPE WYE

1. CLEANOUT SHOWN ABOVE IS FOR 6" PIPE. PROPOSED CLEANOUTS VARY IN SIZE AND THE APPURTENANCES SHALL ALSO VARY ACCORDINGLY.

> **CLEANOUT DETAIL** SCALE: N.T.S.



LOAM & SEED MATERIAL SHALL CONFORM TO MASSDOT MATERIAL SPECIFICATIONS M1.05.0. M1.07.0. M1.08.1. AND CONSTRUCTION METHODS 751.80 TO 751.83

SEEDED OR SODDED LAWN DETAIL SCALE: N.T.S.

— CINCH TIE HOSE OR APPROVED EQUAL — 3 GUYS OF 12-14 GAUGE TWISTED WIRE, 120° APART — TURNBUCKLE 24" -2" X 2" (MIN.) STAKE DRIVEN FLUSH WITH FINISHED GRADE — 3" LAYER MULCH EXISTING SUBGRADE - PLANTING SOIL MIX

- SCARIFY EXISTING SOIL AND

EVERGREEN TREE - GROUNDLINE TO BE THE

SAME AS EXISTED AT THE NURSERY

MIX WITH PLANTING SOIL AT A REET TREE NOTES: 1 TO 1 RATIO AND COMPACT NEW TREES SHALL BE NURSERY GROWN AND COMPLY WITH THE ASSOCIATION OF AMERICAN NURSRIES

SPECIFICATIONS AND BE AT LEAST 3 INCHES IN CALIPER.

APPROVED SOIL MIX

LB. BAG MANURE AND

DECIDUOUS TREE - PRUNE BACK 1/4" ON SITE;

WRAP TREES OVER 1" CAL. WITH BURLAP OR

ASPHATIC KRINKLE KRAFT TREE WRAP

CINCH TIE HOSE OR ·

APPROVED EQUAL

DOUBLE STRAND OF

WITH NOTCHED END

MIN. 3 PER TREE

3" MULCH LAYER ·

TOP 1/3 OF BALL

GALVANIZED WIRE TWISTED,

2 1/2" DIA., 10' CEDAR STAKE —

FOLD BACK BURLAP FROM

EXISTING SUBGRADE

PLANTING SOIL MIX

TURNBUCKLE -

12-14 GAUGE

CONSISTING OF 75% TOPSOIL

(NO STONES LARGER THAN 1

1/4") AND 25% PEAT MOSS, 40

FERTILIZER AS REQUIRED.

THE PRESERVATION OF EXISTING TREES AND THE VARIETIES OF NEW TREES FOR PLANTING SHALL BE SUBJECT TO THE APPROVAL OF THE PLANNING BOARD WHICH SHALL BE GUIDED BY THE RECOMMENDATION OF THE TOWN'S DIRECTOR OF LANDS AND NATURAL RESOURCES AS TO THE NUMBER, LOCATION, CONDITION AND SPECIES OF SUCH TREES AND UNDER APPENDIX III 0 DETAIL B.

> DECIDUOUS AND EVERGREEN TREE PLANTING DETAIL SCALE: N.T.S.

POUNDS / 1,000 S.F. POUND / ACRE 0.45 CREEPING RED FESCUE 0.45 0.05 0.95 0.35 CREEPING RED FESCUE 0.25 6" MIN. — BIRDSFOOT TREFOIL 0.35 0.95 0.45 CREEPING RED FESCUE 2 x ROOTBALL 0.45 (3'x3' MINIMUM) BIRDSFOOT TREFOIL 0.20 1.10 TYPICAL SHRUB

(MAY BE USED EARLY SPRING ALSO)

. <u>ESTABLISHING A STAND</u> A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS

SEEDING SPECIFICATIONS

A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE

WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT FOUR

INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME INTO THE

SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH

CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS

BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA.

TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS

B. STONES LARGER THAN FOUR INCHES AND TRASH SHOULD BE REMOVED

SHOULD BE APPLIED: AGRICULTURAL LIMESTONE: 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ. FT. NITROGEN (N): 50 LBS. PER ACRE OR 1.1 LBS. PER 1000 SQ. FT. PHOSPHATE (P O_2): 5 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT. POTASH (K O); 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.

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

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH 0.25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.

C. REFER TO SEEDING RATES AND SEEDING GUIDES FOR APPROPRIATE SEED MIXTURES AND RATES OF SEEDING.

D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

. MULCH

A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.

B. MULCH WILL BE HELD IN PLACE USING TECHNIQUES AS SPECIFIED IN THE "BEST MANAGEMENT PRACTICES OPERATION AND MAINTENANCE PLAN"

. MAINTENANCE TO ESTABLISH A STAND

SEEDING RECOMMENDATIONS

THE SLOPE WHEREVER PRACTICAL.

SEEDBED PREPARATION

A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING,

TRAFFIC, AND DENSE WEED GROWTH. B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

1. TOP OF LOAM (TOPSOIL) IS FINISHED GRADE.

2. TOPSOIL SHALL CONTAIN BETWEEN 5% AND 12% ORGANIC MATTER AND SHALL HAVE A MAXIMUM STONE SIZE OF 3/4" AND SHALL CONFORM TO THE FOLLOWING GRADATION:

TOTAL 0.35 E. TALL FESCUE 0.45 FLATPEA 0.75 TOTAL 1.20 F. CREEPING RED FESCUE 1/ 2.00 KENTUCKY BLUEGRASS 1/ 2.00 4.00 G. TALL FESCUE 1/ 3.60 TEMPORARY SEEDING RATES H. WINTER RYE

SEEDING RATES

A. TALL FESCUE

REDTOP

B. TALL FESCUE

C. TALL FESCUE

TOTAL

REDTOP

D. BIRDSFOOT TREFOIL

(BEST FOR FALL SEEDING, AUG 15 TO SEPT. 5) OATS (BEST FOR SPRING SEEDING, BEFORE MAY 15) 2.00 ANNUAL RYEGRASS (BEST FOR FALL SEEDING, AUG 15 TO SEPT. 15)

0.25

0.10

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

SEEDING GUIDE

<u>USE</u>	SEEDING MIXTURE 1/	
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	E	<u>STR</u>
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	D	2,
LAWN AREAS	r	

M C K E N Z I E ENGINEERING GROUP Assinippi Office Park 150 Longwater Drive, Suite 101 Norwell, MA 02061 P: 781.792.3900 F: 781.792.0333 www.mckeng.com

-BUTYL JOIN1

SEALANT

NOTES:

ALL SECTIONS SHALL BE DESIGNED FOR

. COPOLYMER MANHOLE STEPS SHALL BE

INSTALLED AT 12" O.C. FOR THE FULL

. PROVIDE "V" KNOCKOUTS FOR PIPES WITH

2" MAX. CLEARANCE TO OUTSIDE OF PIPE.

4. JOINT SEALANT BETWEEN PRECAST SECTIONS

SHALL BE PREFORMED BUTYL RUBBER.

SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND

MORTAR (2 BRICK COURSES TYPICALLY,

5. DRAIN MANHOLE FRAME AND COVER

5 BRICK COURSES MAXIMUM)

- SEE NOTE 4.

1" PER FOOT.

-SHELF TO BE CONCRETE FORMED AT A SLOPE OF

- CEMENT CONCRETE INVERT

DEPTH OF THE STRUCTURE.

MORTAR ALL PIPE CONNECTIONS.

HS-20 LOADING.

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PROFESSIONAL ENGINEER:

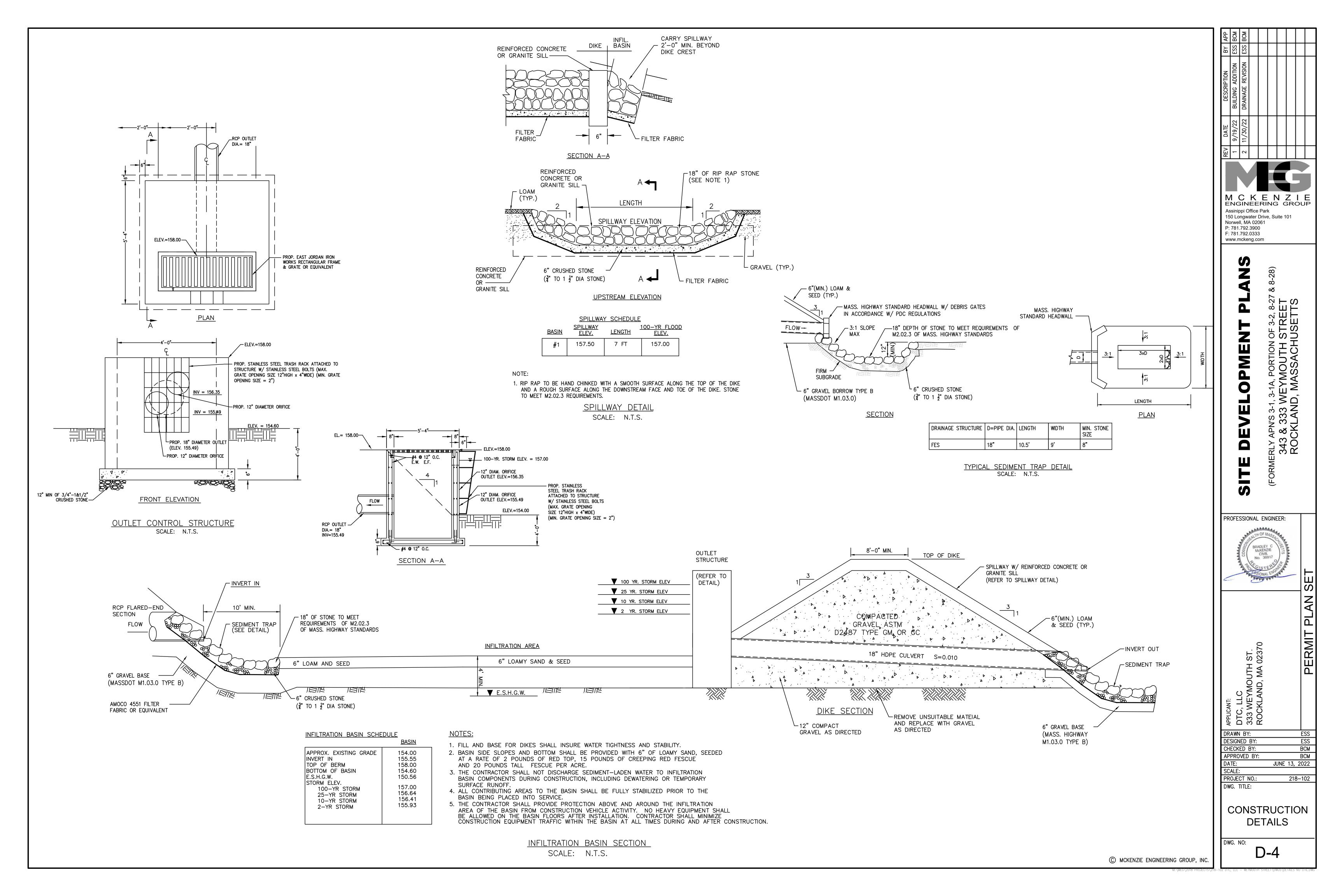
ST. APPLICANT:
DTC, LL(333 WE)
ROCKLA DRAWN BY: DESIGNED BY:

CHECKED BY: BCM APPROVED BY: BCM JUNE 13, 2022 SCALE: PROJECT NO.: 218-102 DWG. TITLE:

CONSTRUCTION **DETAILS**

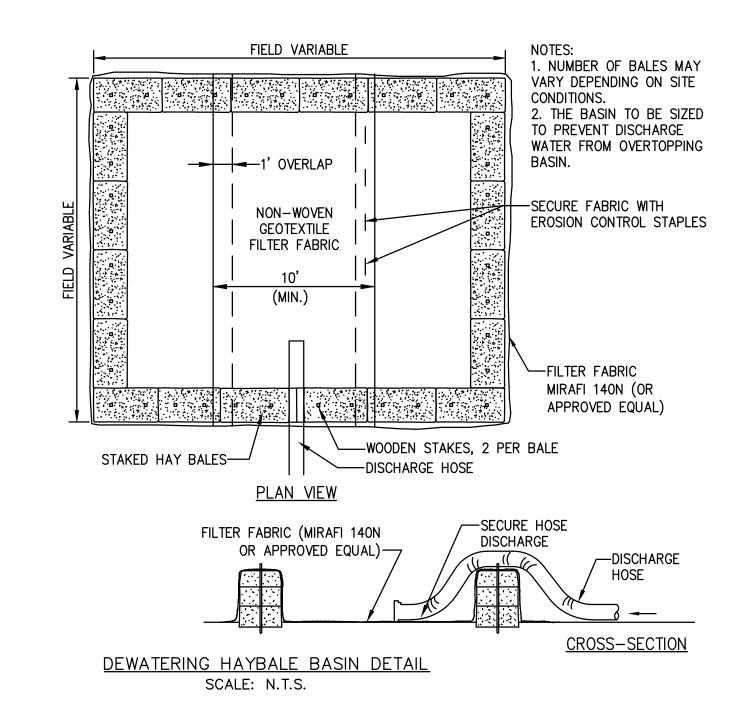
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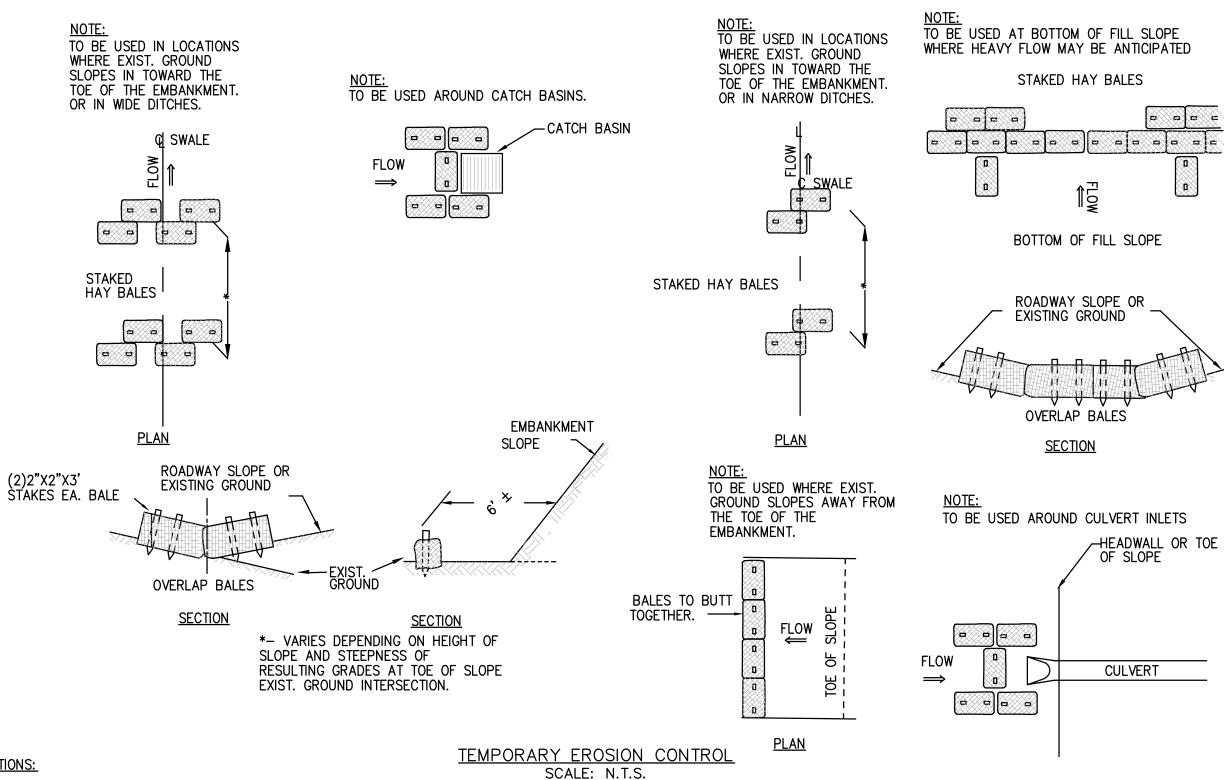
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EROSION AND SEDIMENTATION CONTROL

- 1. WIDELY ACCEPTED PRACTICES FOR REDUCING EROSION AND SEDIMENTATION WILL BE EMPLOYED IN THE DEVELOPMENT OF THIS SITE.
- 2. THE DEVELOPMENT OF THE SITE HAS BEEN PLANNED TO ENHANCE THE EXISTING TOPOGRAPHY AND VEGETATIVE COVER. ALL NATURAL DRAINAGE PATTERNS OF THE SITE HAVE BEEN MAINTAINED.
- 3. STEEP SLOPES, WHERE POSSIBLE, WILL NOT BE DISTURBED.
- 4. NATURAL WATERWAYS WILL BE PRESERVED AND PROTECTED, AND EXISTING VEGETATION WILL BE RETAINED AND PROTECTED TO THE EXTENT POSSIBLE.
- 5. THE ROADWAY CONFORMS TO EXISTING LAND CONTOURS WHERE PRACTICAL.
- 6. THE CONTRACTOR SHALL MINIMIZE THE AREA OF DISTURBED LAND TO THE EXTENT FEASIBLE.
- 7. SEDIMENT CONTROL MEASURES WILL BE APPLIED TO CONTROL ANY SEDIMENTS THAT MAY BE PRODUCED AS A RESULT OF SITE CONSTRUCTION ACTIVITIES. EROSION AND DEPOSITION OF SEDIMENT WILL BE CLOSELY MONITORED DURING CONSTRUCTION.
- 8. TEMPORARY EROSION CONTROL MEASURES WILL INCLUDE, BUT NOT BE LIMITED TO, HAY BALE CHECK DAMS, SEDIMENT FOREBAYS, STABILIZED CONSTRUCTION ENTRANCES, FILTER FABRIC SILT FENCES, SEEDING AND MULCHING, AND SEEDED FILTER STRIPS.
- 9. TOPSOIL STRIPPED FROM CUT AND FILL AREAS WILL BE STOCKPILED FOR LOAMING AND SEEDING AT LATER CONSTRUCTION STAGES. THE STOCKPILES SHALL BE LOCATED SO AS TO ACT AS TEMPORARY DIVERSIONS, GENERALLY ON THE UPHILL SLOPE.
- 10. ALL CUT AREAS LOCATED AT TOES OF SLOPES AND DITCHES THAT HAVE GRADES EXCEEDING 5% SHALL BE STABILIZED WITH RIP-RAP. THE RIP-RAP SHALL CONSIST OF 50% STONES GREATER THAN 6" IN SIZE. SWALES SHALL BE 6" IN DEPTH AND APPROXIMATELY 5' IN WIDTH. ALL SLOPES WILL BE BLENDED INTO THE EXISTING TOPOGRAPHY TO MINIMIZE IMPACT.
- 11. SITE DEVELOPMENT WILL NOT COMMENCE UNTIL ALL TEMPORARY EROSION CONTROL MEASURES ARE IN PLACE. THESE MEASURES SHALL BE EMPLOYED UNTIL FINAL PAVING AND ADEQUATE VEGETATION HAS BEEN ESTABLISHED.
- 12. REFER TO CONSTRUCTION PHASE BEST MANAGEMENT PRACTICES AS SPECIFIED IN "BEST MANAGEMENT PRACTICES OPERATION AND MAINTENANCE PLAN" PREPARED BY MCKENZIE ENGINEERING GROUP, INC. FOR STRUCTURAL STABILIZATION AND DUST CONTROL EROSION AND SEDIMENTATION CONTROL MEASURES.
- 13. STABILIZATION PRACTICES UTILIZED FOR THE PROJECT WILL INCLUDE TEMPORARY SEEDING, GEOTEXTILES (JUTE MESTH), MULCHING, AND PERMANANT SEEDING.

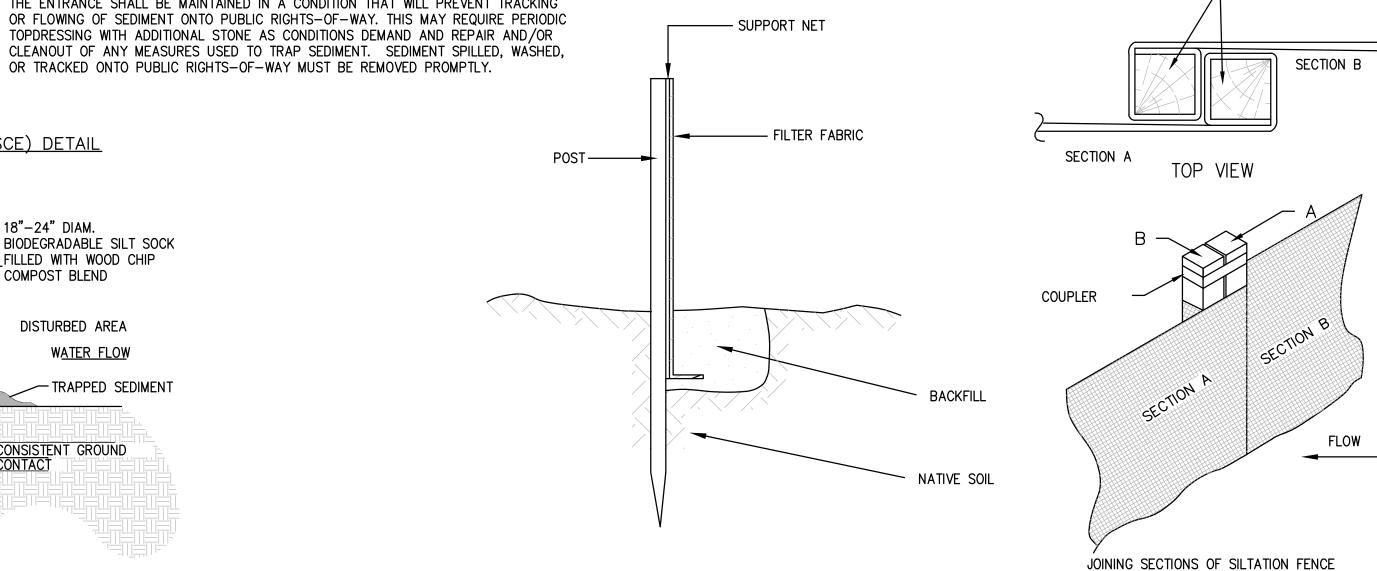




50' MINIMUN EXISTING PAVEMENT GEOTEXTILE FILTER FABRIC <u>PROFILE</u> <u>50' MINIMUM</u> TO 2" COARSE AGGREGATE <u>PLAN VIEW</u>

(SCE) CONSTRUCTION SPECIFICATIONS:

- 1. STONE FOR A STABILIZATION CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE.
- 2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- 3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
- 4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN A FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
- 5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
- 6. ALL SURFACE WATER THAT IS FLOWING TO OR DEVERTED TOWARDS THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- 7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. SEDIMENT SPILLED, WASHED,



SILTATION FENCE

SCALE: N.T.S.

1" REBAR FOR BAG REMOVAL CATCH BASIN CATCH BASIN GRATE SILTSACK SILTSACK EXPANSION RESTRAINT

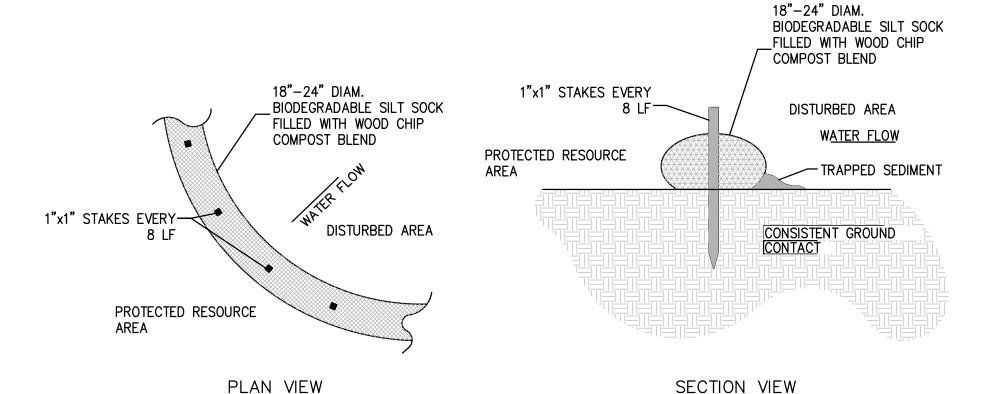
SECTION VIEW

SILT SACK SEDIMENT TRAP CONTRUCTION NOTES:

- 1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
- 2. GRATE TO BE PLACED OVER SILTSACK.

PLAN VIEW

3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED



STABILIZED CONSTRUCTION ENTRANCE (SCE) DETAIL

SCALE: N.T.S.

CONSTRUCTION NOTES:

- 1) SILT SOCKS SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY
- ABUTTING OR LAPPING THE ADJACENT SECTIONS. 2) SILT SOCKS SHALL BE SECURELY ANCHORED IN PLACE BY
- STAKES OR RE-BARS DRIVEN EVERY 8 LF.
- 3) INSPECTION SHALL BE FREQUENT, AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS REQUIRED.
- 4) SILT SOCKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

CONSTRUCTION NOTES:

- 1) WOVEN WIRE FENCE TO BE FASTENED SECURELY TO
- FENCE POSTS WITH WIRE TIES OR STAPLES. 2) FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP
- AND MID SECTION. 3) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH
- OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED. 4) MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS

NOTES:

- 1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
- 2. GRATE TO BE PLACED OVER SILTSACK.
- 3. SILTSACK SHALL BE INSPECTED HAVE BEEN PERMANENTLY STABILIZED.

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PROFESSIONAL ENGINEER:

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APPLICAN' DTC, L 333 W ROCK DRAWN BY: DESIGNED BY: CHECKED BY: BCM APPROVED BY: BCM JUNE 13, 2022

DWG. TITLE: CONSTRUCTION DETAILS

218-102

DWG. NO:

PROJECT NO.:

SILTSACK SEDIMENT TRAP SCALE: N.T.S.

SILT SOCK DETAIL SCALE: N.T.S.