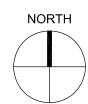
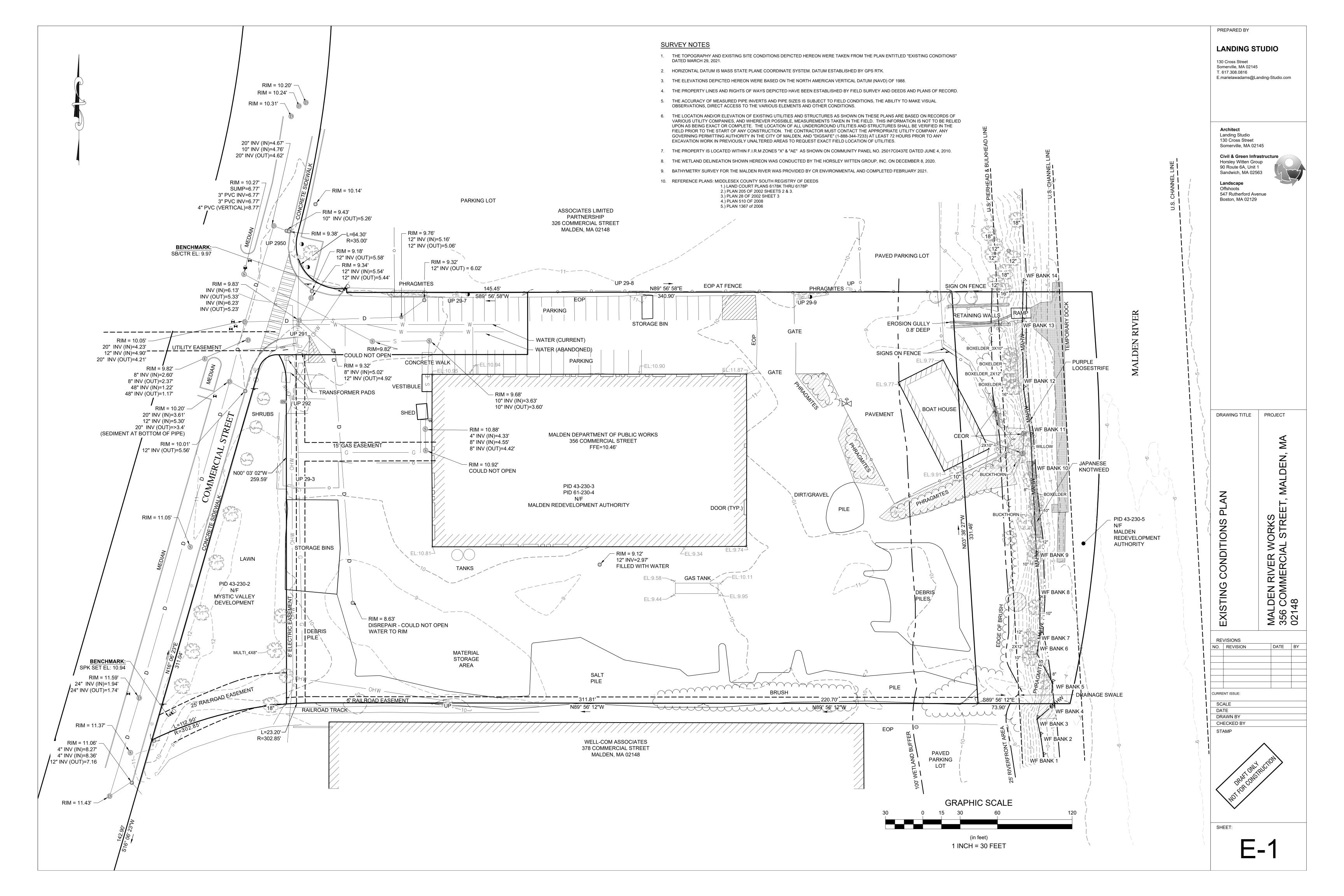


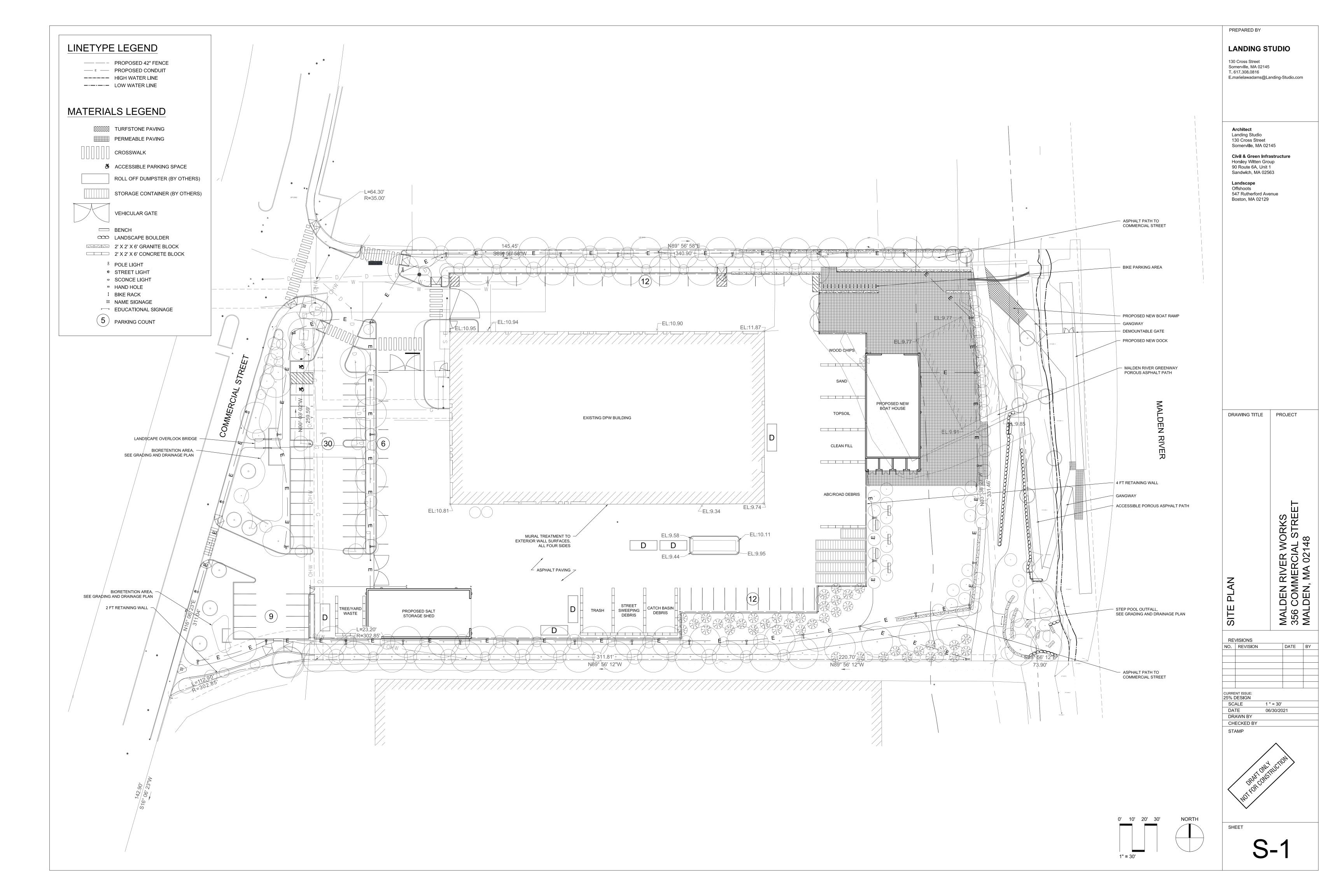
MALDEN RIVER WORKS

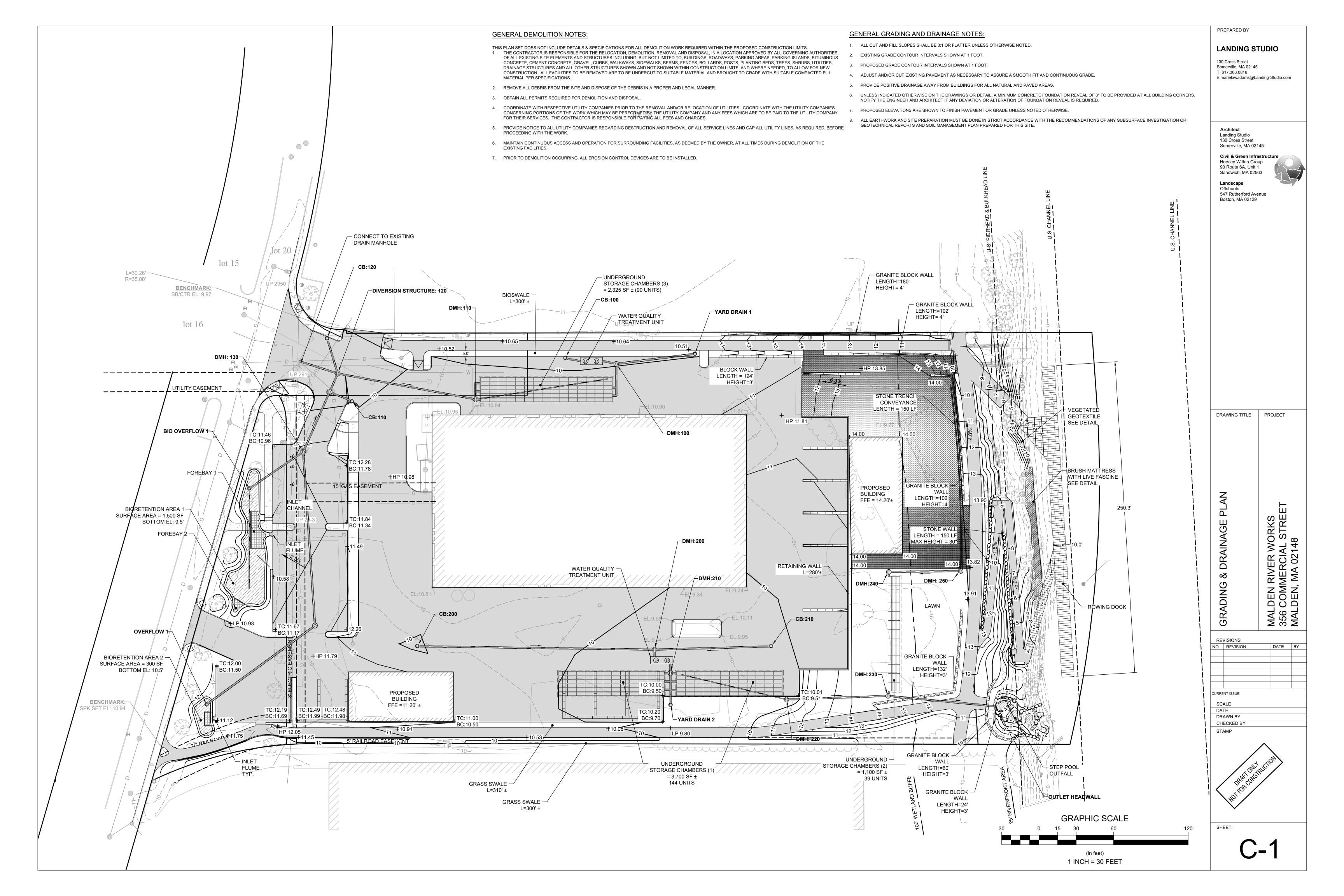
356 COMMERCIAL STREET MALDEN, MA 02148

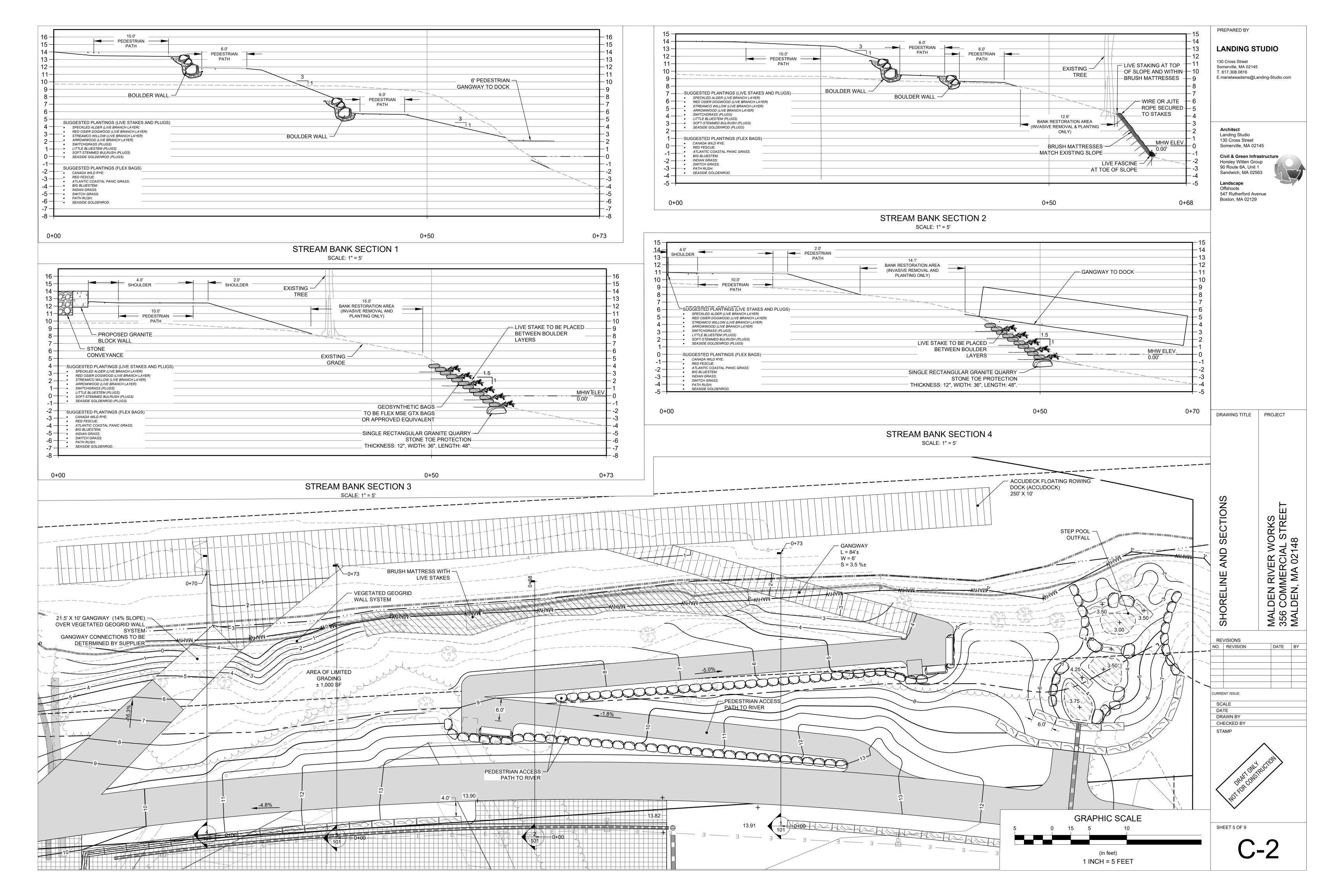


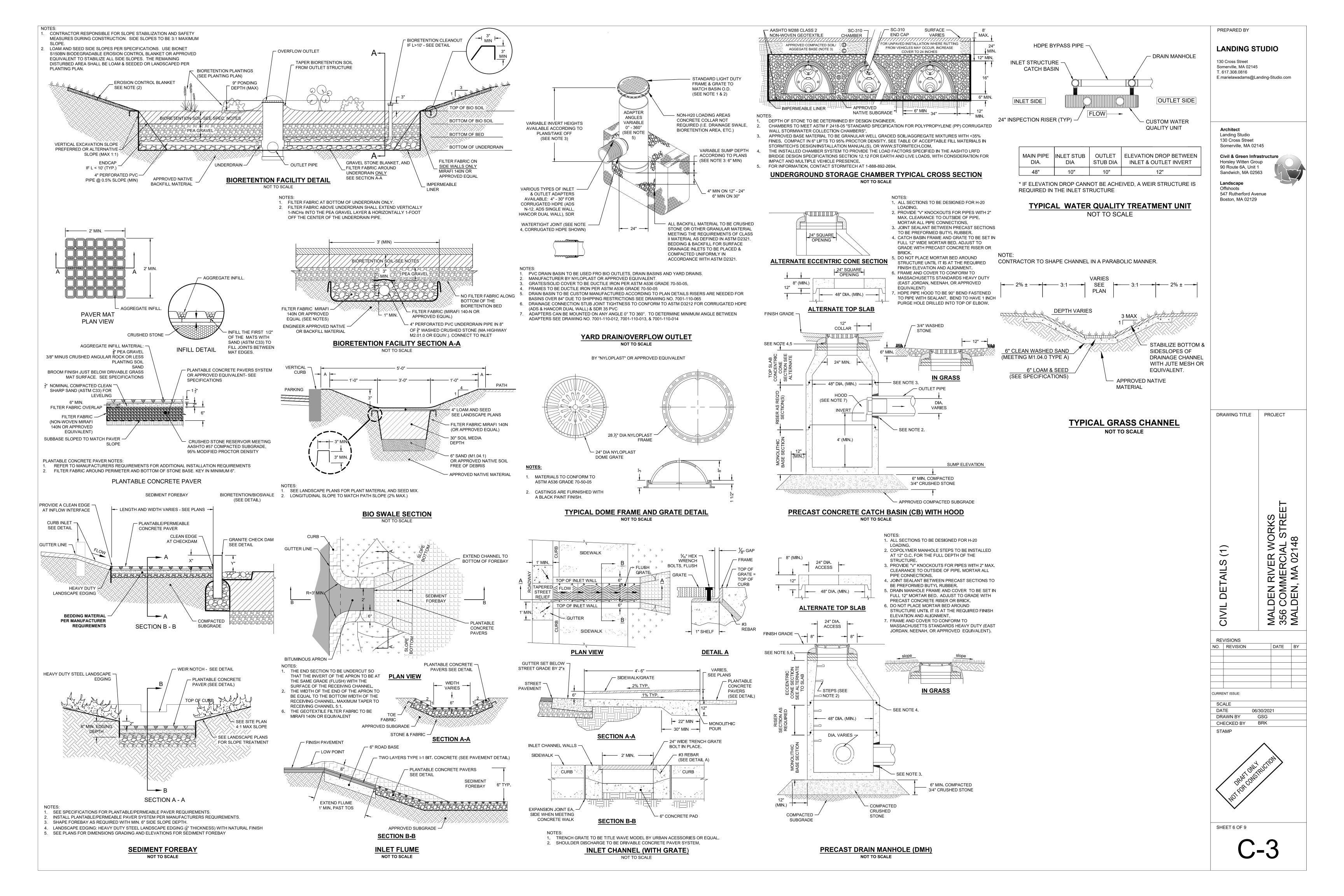
PREPARED BY **LANDING STUDIO** 130 Cross Street Somerville, MA 02145 T. 617.308.0816 E.marielawadams@Landing-Studio.com Landing Studio 130 Cross Street **INDEX** Somerville, MA 02145 REVISED • Civil & Green Infrastructure Horsley Witten Group 90 Route 6A, Unit 1 Sandwich, MA 02563 COVER **COVER SHEET** 547 Rutherford Avenue Boston, MA 02129 **EXISTING** EXISTING CONDITIONS PLAN SITE SERIES SITE PLAN **CIVIL SERIES** GRADING AND DRAINAGE PLAN SHORELINE & DOCK SECTIONS CIVIL DETAILS (1) CIVIL DETAILS (2) LANDSCAPE SERIES PLANTING SCHEDULE PLANTING PLAN PLANTING DETAILS DRAWING TITLE PROJECT CURRENT ISSUE: 25% DESIGN

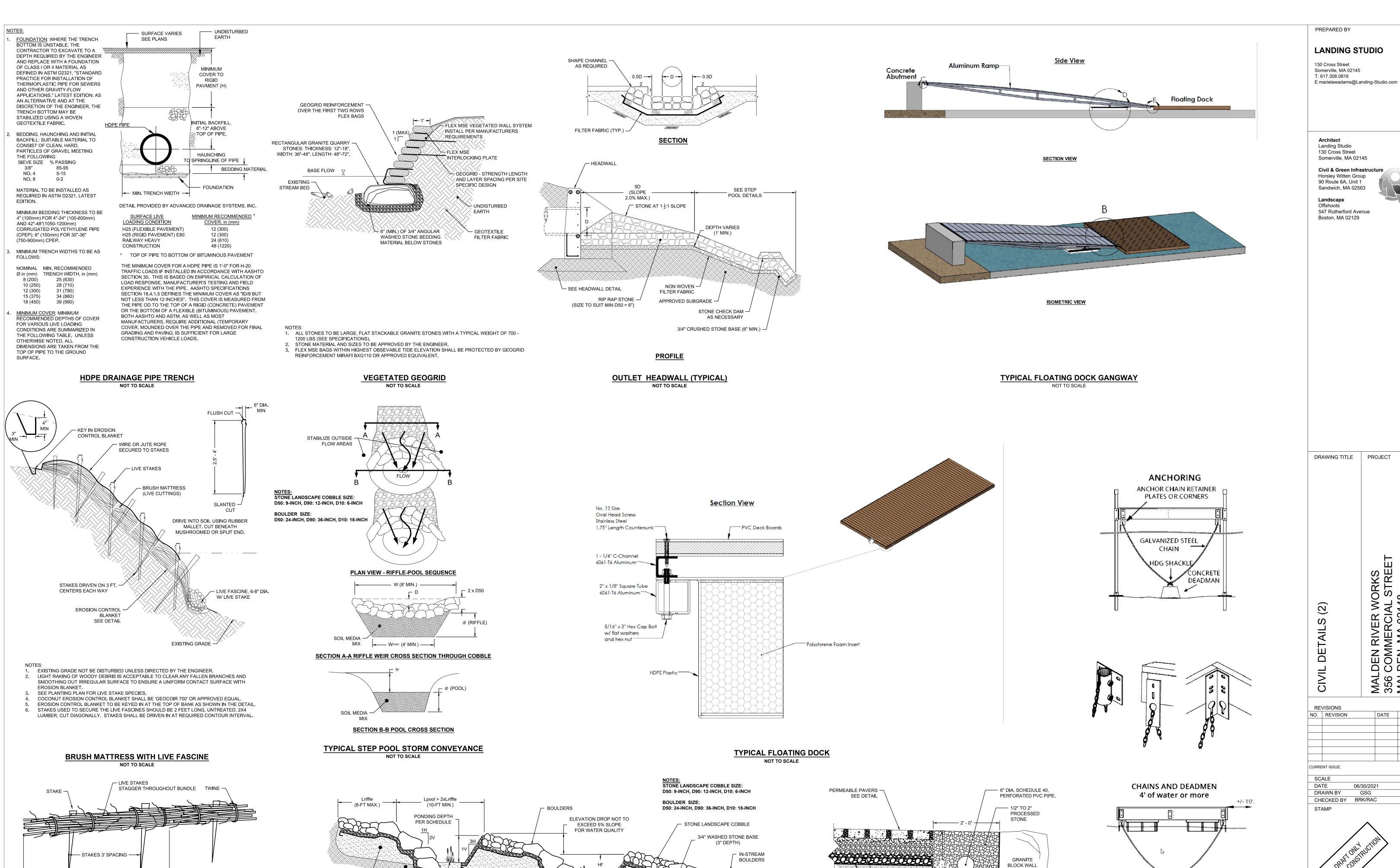












BACKFILL WITH -

SAND-MIX PER

EXISTING MATERIAL -

TO REMAIN

FOOTER BOULDER SHALL

EXTEND 2-FT BELOW THE

POOL SURFACE

PLANTINGS AS REQUIRED

NON-WOVEN

TYPICAL STEP POOL CROSS SECTION DETAIL

FILTER FABRIC

Df BELOW POOL

(3" EMBEDMENT MIN.)

SAND-MIX PER SPECIFICATIONS

(MIN. 30-IN)

(SEE PLANTING PLAN)

SPECIFICATIONS

LIVE FASCINE BUNDLE 6 - 8 FT.

LONG; 8- 10 IN. DIAMETER

1. FASCINES WILL CONTAIN DORMANT LIVE WOODY MATERIAL 1/2 TO 2 INCHES IN DIAMETER

FORMING BUNDLES THAT ARE 8" MINIMUM DIAMETER AND NOT LESS THAN 6 FEET IN

2. FASCINE BUNDLES SHALL BE TIED WITH UNTREATED TWINE EVERY 1 TO 2 FEET.

LENGTH (L). THE PLANT MATERIAL SHOULD BE DORMANT, STRIPPED OF LEAVES AND

LIVE FASCINE NOT TO SCALE

CIVIL REVISIONS DATE BY NO. REVISION CURRENT ISSUE: 06/30/2021 GSG DRAWN BY CHECKED BY BRK/RAC SHEET 7 OF 10

CHAIN SIZE:

5/16" to 3/8"

CONCRETE DEADMEN:

Plan 500 lbs to 1500 lbs or more depending on water

plan conditions, mooring needs and water depth.

TYPICAL FLOATING DOCK ANCHORING

PERMEABLE

— 4 MIL HDPÉ 🤄

POLYLINER

STONE TRENCH TYPICAL SECTION

PAVERS

PLANTING SCHEDULE - TREES AND SHRUBS:

	KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	DESIGN NOTES	
	LARGE TREE - 25' CANOPY							
	AR	70	ACER RUBRUM	RED MAPLE				
$(\cdot \cdot)$	PD		POPULOUS DELTOIDES	COTTONWOOD SAPLINGS				
	QB		QUERCUS BICOLOR	SWAMP WHITE OAK				
	SMALL TREE - 12' CANOPY							
\odot	AC	27	AMELANCHIER CANADENSIS	SERVICEBERRY				
	SMALL TREE - 10' CANOPY							
\bigcirc	BN	85	BETULA NIGRA	RIVER BIRCH				
	ВР		BETULA POPULIFOLIA	GREY BIRCH				
	SMALL TREE - 8' CANOPY							
	Al	43	ALNUS INCANA	SPECKLED ALDER				
	NS		NYSSA SYLVATICA	BLACK TUPELO				
	PG		POPULUS GRANDIDENTATA	BIG TOOTH ASPEN				
·	PS		POPULUS SPP.	HYBRID POPLAR				
	PT		POPULUS TREMULOIDES	QUAKING ASPEN				
	RT		RHUS TYPHINA	STAGHORN SUMAC				
	SP		SALIX SPP.	WILLOW				
	SA		SASSAFRAS ALBIDUM	SASSAFRAS				

PLANTING SCHEDULE - PERENNIALS AND GROUNDCOVERS:

KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	DESIGN NOTES
STREETSCAPE BIOSWALE		Square Footage of groudcover area:	ana niuas	(554) 1 GAL plants and (2217) plugs to be provided in a mix of the species as incidated	100% Area to be overseeded	
ai		ASCLEPIAS INCARNATA	SWAMP MILKWEED	1 GAL, PLUGS	24 OC, 12" OC	
ca		CAREX APPALACHICA	APPALACHIAN SEDGE	1 GAL, PLUGS	24 OC, 12" OC	
ср		CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	1 GAL, PLUGS	24 OC, 12" OC	
cm		CAREX MUSKINGUMENSIS	PALM SEDGE	1 GAL, PLUGS	24 OC, 12" OC	
cv	554 1-GAL &	CAREX VULPINOIDEA	FOX SEDGE	1 GAL, PLUGS	24 OC, 12" OC	
ed	2227 PLUGS	EUPATORIUM DUBIUM	LITTLE JOE PYE WEED	1 GAL, PLUGS	24 OC, 12" OC	
iv		IRIS VERSICOLOR	BLUE FLAG IRIS	1 GAL, PLUGS	24 OC, 12" OC	
je		JUNCUS EFFUSES	COMMON RUSH	1 GAL, PLUGS	24 OC, 12" OC	
SS		SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GAL, PLUGS	24 OC, 12" OC	
sh		SPOROBOLUS HETEROLEPIS	PRAIRIE DROPOSEED	1 GAL, PLUGS	24 OC, 12" OC	
BULBS						
		CAMASSIA ESCULENTA	CAMAS LILY	BULB		
	3000	CAMASSIA LEICHTLINII VAR. CAERULEA	GREAT CAMAS	BULB		
		CHIONODOXA SARDENSIS	LESSER GLORY-OF-THE- SNOW	BULB		
		HYACINTHOIDES HISPANICA (BLUE)	SPANISH BLUEBELL	BULB		
		IRIS RETICULATA 'HARMONY'	HARMONY RETICULATED IRIS	BULB		
		MUSCARI AMERICANCUM	GRAPE HYACINTH	BULB		
		MUSCARI ATLANTICUM	COMPACT GRAPE HYACINTH	BULB		
		SCILLA SIBERICA	SIBERIAN SQUILL	BULB		
ENTRY ECO ZONE		Square Footage of groudcover area: 7,810 SF	(3,050 SF) of groundcover are mowed. 100% of area (7,810 SF) to be covered by plugs	(9018) plugs to be provided in a mix of the species as incidated below	100% Area to be overseeded	
ca		CAREX APPALACHICA	APPALACHIAN SEDGE	PLUGS	12" OC	
ср		CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	PLUGS	12" OC	
fr	9018	FESTUCA RUBRA	RED FESCUE	PLUGS/SEED	12" OC	
tp		TRIFOLIUM PRATENSE	RED CLOVER	SEED		
tr		TRIFOLIUM REPENS	WHITE CLOVER	SEED		
PARKING LOT BUFFER		Square Footage of groudcover area: 1,400 SF				
ls	259	LONICERA SEMPERVIRENS	TRUMPET HONEYSUCKLE	3 GAL	30" OC	
pq	59	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	1 GAL	36" OC	

PLANTING SCHEDULE - PERENNIALS AND GROUNDCOVERS (CONTINUED):

KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	DESIGN NOTES
URBAN HEDGEROW		Square Footage of groudcover area: 13,630 SF				
ас		ANEMONE CANADENSIS	WINDFLOWER	1 GAL	18" OC	
wf	2518	WALDSTEINIA FRAGARIOIDES	BARREN STRAWBERRIES	4" POTS	12" OC	
r		CAMPSIS RADICANS	TRUMPET VINE	3 GAL	30" OC	
a		RHUS AROMATICA	FRAGRANT SUMAC	3 GAL	30" OC	
pq	656	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	1 GAL	36" OC	
	40	LARGE SHRUB	LARGE SHRUB	4' to 5' HT	96" OC	
.IVING	FENCE	Square Footage of groudcover area: 2,840 SF				
:s		CORNUS SERICEA	RED TWIG DOGWOOD	1 to 3 GAL	30" OC	
cf		CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	1 to 3 GAL	30" OC	
dp	525	DENNSTAEDTIA PUNCTILOBULA	HAY-SCENTED FERN	1 GAL	18" OC	
i		RUBUS SPP.	DEWBERRY	1 to 3 GAL	30" OC	
0		RUBUS ODORATUS	FLOWERING RASPBERRY	1 to 3 GAL	30" OC	
ODDE	D LAWN	Square Footage of groudcover area:				
_		11,330 SF	SODDED LAWN	SOD		
		Square Footage of groudcover area:			100% Area to be	
yii H S	SAPLING TREES	7,350 SF	INKBERRY HOLLY	3 GAL	overseeded 36" OC	
iV		PANICUM VIRGATUM	SWITCHGRASS	PLUGS	18" OC	
S	943	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GAL	36" OC	
С		SOLIDAGO CANADENSIS	CANADIAN GOLDENROD	1 GAL	36" OC	
d		VIBURNUM DENTATUM	ARROWTOOTH VIBURNUM	3 GAL	36" OC	
	49		SAPLINGS	MIXED SIZES	EVERY 150 SF	
LIVING SHORELINE		Square Footage of groudcover area: 1,650 SF			100% Area to be overseeded	
s		CORNUS SERICEA	RED TWIG DOGWOOD	LIVE STAKES	18" OC	
S		SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	PLUGS	18" OC	
t	847	SCHOENOPLECTUS TABERNAEMONTANI	SOFT-STEMMED BULRUSH	PLUGS	18" OC	
0	047	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	PLUGS	18" OC	
р		SALIX PURPUREA	STREAMCO WILLOW	LIVE STAKES	18" OC	
d		VIBURNUM DENTATUM	ARROWTOOTH VIBURNUM	LIVE STAKES	18" OC	
BRUSH MATTRESS LIVING SHORELINE		Square Footage of groudcover area: 550 SF			100% Area to be overseeded	
р	282	SALIX PURPUREA	STREAMCO WILLOW	LIVE STAKES	18" OC	
RIVERFRONT BIOSWALE		Square Footage of groudcover area:			100% Area to be overseeded	
u	ALL	CALTHA PALUSTRIS	MARSH MARIGOLD	1 GAL, PLUGS	24 OC, 12" OC	
os	43 1-GAL & 173 PLUGS	ONOCLEA SENSIBILIS	SENSITIVE FERN	1 GAL, PLUGS	24 OC, 12" OC	
oa		PACKERA AUREA	GOLDEN RAGWORT	1 GAL, PLUGS	24 OC, 12" OC	
S		SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GAL, PLUGS	24 OC, 12" OC	
С		SOLIDAGO CANADENSIS	CANADIAN GOLDENROD	1 GAL, PLUGS	24 OC, 12" OC	
'n		VERBENA HASTATA	BLUE VERVAIN	1 GAL, PLUGS	24 OC, 12" OC	

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DRAWING TITLE

PROJECT

REVISIONS							
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SCALE

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