SITE DATA

LOT AREA:	25,016 SF (0.574 ACRES)
SCTM:	DIST.0200, SECT. 976.30 , BLOCK. 01, LOT 3
SCHOOL DISTRICT:	SOUTH COUNTRY CSD
FIRE DISTRICT:	BROOKHAVEN FIRE
WATER DISTRICT:	SCWA
POST OFFICE :	11719
ZONING:	A2 RESIDENCE
EXISTING USE:	LIBRARY

ZONING REQUIREMENTS: A2 RESIDENCE DISTRICT

	REQUIRED	PROVIDED	DIFFERENCE	% VARIANCE
LOT AREA	80,000 SF	25,016 SF		
ROAD FRONTAGE	200' @60' BACK	1,073.93		
FRONT YARD	60'	13.2'		
REAR YARD	75'	N/A		
SIDE YARD	30'	39.2		
COMBINED SIDE YARD	80' (TOTAL)	128.1'		
BLDG. HEIGHT (FT./STY)	35'	<50'		
MAX FLOOR AREA RATIO	15%*	17.08%		
*16.5% PREVIOUSLY GRANTED	16.5%	17.08%	0.58%	3.5%

ACCESSORY STRUCTURE:

	REQUIRED	PROVIDED
MIN SETBACK FROM ANY LOT LINE	20'	25.0'
MIN SETBACK FROM ANY STREET	80'	80.0'
MAX LOT COVERAGE (% OF REQ'D REAR YARD AREA)	25%	1.94%
BLDG. HEIGHT (FT./STY)	18'	<50'

BUFFER REQUIREMENTS

	REQUIRED	PROVIDED	DIFFERENCE	% VARIANCE
RESIDENTIAL ZONE/USE BUFFER	25'	22.5'	2.5'	10%

BUILDING AREAS

MAX FLOOR AREA RATIO = 15% PROPOSED: 17.08%
MAXIMUM GROSS FLOOR AREA = 25,016 SQFT X 0.15 = 3,752.4 SQ.FT.
EXISTING GROSS FLOOR AREA = 4,272 SQ.FT. > 3,752.4 SQ.FT.

1.	LIBRARY	4,091 SF
2.	SHED	145 SF
3.	WOOD ARBOR	36 SF
		4,272 SF

VARIANCES REQUIRED:

§85-177 - MAXIMUM TOTAL BUILDING AREA
- 15% PERMITTED; 17.08% PROPOSED; 2.08% DIFFERENCE (12.2% VARIANCE)

§85-867.A.2- THE MAXIMUM ILLUMINANCE AT OR BEYOND THE PROPERTY LINE THAT ADJOINS A RESIDENTIAL PARCEL OR PUBLIC RIGHT-OF-WAY MAY NOT EXCEED 0.05 FOOTCANDLE HORIZONTAL ON THE GROUND OR 0.05 FOOTCANDLE VERTICAL MEASURED AT A FIVE-FOOT HEIGHT ABOVE THE GROUND, UNLESS ANOTHER APPLICABLE LAW SUPERSEDES.
- 0.05 FC PERMITTED; 1.46 FC MAX. PROPOSED; 1.41 FC DIFFERENCE; (2,920% VARIANCE)

§85-843.B.1- MINIMUM PERIMETER BUFFER AREA OF 25 FEET ADJACENT TO ANY RESIDENTIAL USE OR ZONE.
- 25 FEET REQUIRED; 22.5 FEET PROPOSED; 2.5 FEET DIFFERENCE; (10% VARIANCE)

PARKING CALCULATIONS

PARKING REQUIRED:
4,091 SQ.FT. (LIBRARY) / 300 SQ.FT./STALL = 13.6 STALLS
PARKING REQUIRED: 14 STALLS
PARKING PROVIDED: 9 STALLS (INCLUDING 1 HANDICAP STALLS)
LANDBANKED PARKING PROVIDED: STALLS
TOTAL PARKING PROVIDED: 9 STALLS

LANDSCAPE CALCULATIONS

§85-843.A.6(a)	REQUIRED	EXISTING
MIN. LANDSCAPED OR NATURAL AREA	(20%) 5,003.2 SF	(74.7%) 18,675 SF
MIN. FRONT YARD LANDSCAPING	(10%) 2,501.6 SF	(26.6%) 4,961 SF
STREET FRONTAGE LANDSCAPING DEPTH	15'	13.2' TO EAST SIDE OF BUILDING
STREET TREES	4" CALIPER @ 30' O.C.	EXISTING NATURAL VEGETATION
PARKING AREA SCREENING	HEDGE / BERM / FENCE	EXISTING 3' PICKET FENCE

ALL LANDSCAPED, BUFFER AND NATURAL AREAS SHALL BE IRRIGATED IN ACCORDANCE WITH TOWN STANDARDS;
- IRRIGATION PROVIDED ALONG THE FRONTAGE OF UNION AVENUE

PROPOSED ESTIMATE OF QUANTITIES

CONCRETE CURB (LF):	414 L.F.
PAVER SIDEWALKS:	1,422 S.F.
PAVING:	547 S.F.
RCA:	0 S.F.
8' Ø LEACHING POOLS:	0
12'Ø LEACHING POOLS:	0
CATCH BASINS:	0
DRAINAGE BASINS (DB):	0
SURFACE DRAINAGE GRATES:	0
HEADWALLS:	0
END SECTIONS:	0
MANHOLES (DRAINAGE):	0
6" ROOF DRAINS:	0 L.F.
12" CPP:	0 L.F.
15" CCP:	0 L.F.
18" CCP:	0 L.F.
24" CCP:	0 L.F.
SANITARY SEPTIC TANK:	0
SANITARY LEACHING POOLS:	0
6" PVC(SDR-35):	0 L.F.
EXCAVATION:	0 C.Y.
FIRE HYDRANTS:	0
RETAINING WALLS:	0 L.F.
REFUSE ENCLOSURES:	0
RPZ VAULTS:	0
STOCKADE FENCE:	42 L.F.
CHAIN LINK FENCE:	0 L.F.
WOOD PICKET FENCE:	240 L.F.
TREES:	2
SHRUBS:	55
SEEDED AREA:	7,500 S.F.
RECHARGE BASIN:	0 C.F.
CONCRETE PADS :	0 S.F.
BOLLARDS:	0

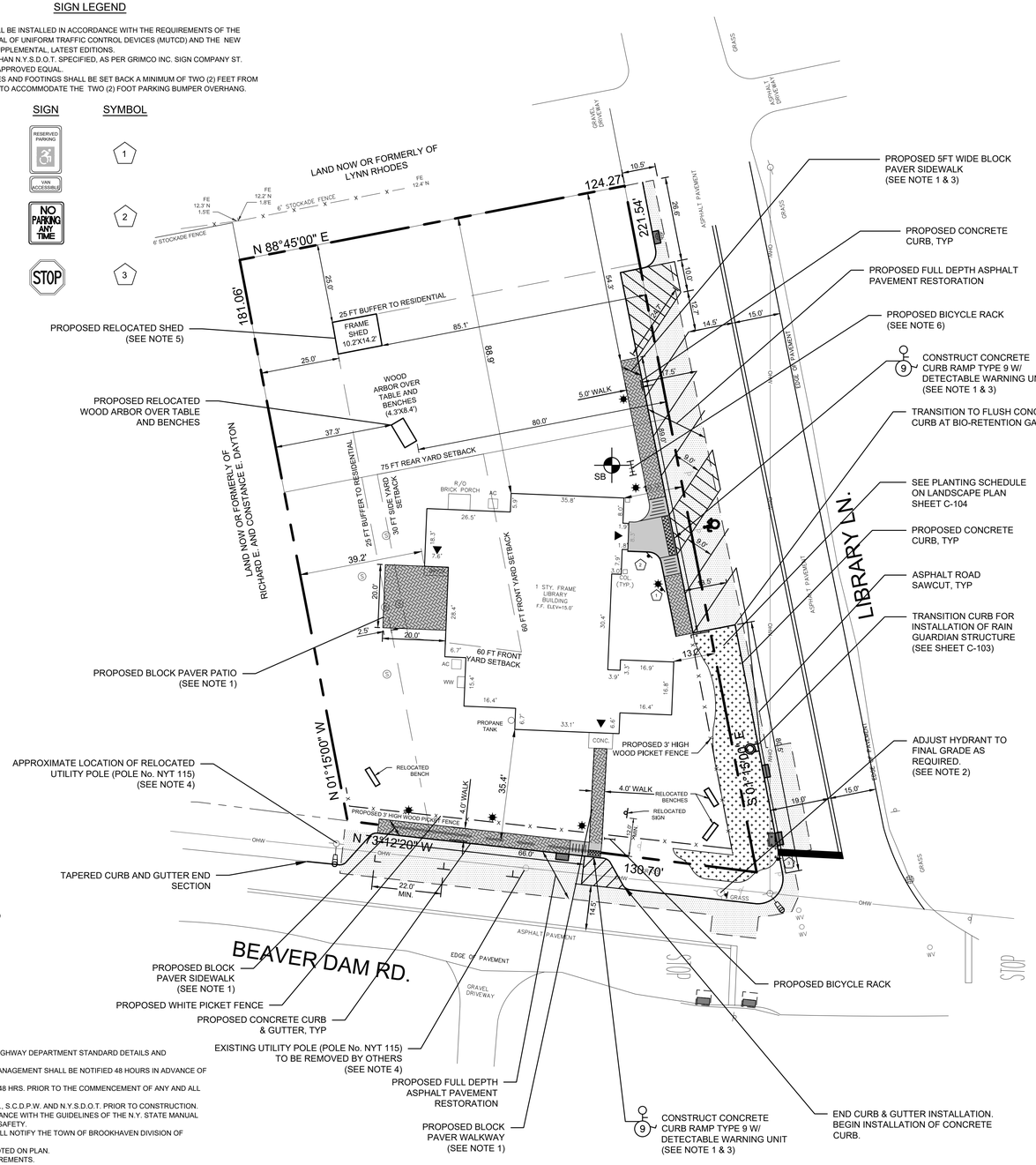
TOWN OF BROOKHAVEN NOTES:

1. ALL CONCRETE CURBING, SIDEWALKS AND DRAINAGE STRUCTURES ARE TO CONFORM TO PLANNING BOARD AND HIGHWAY DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
2. TOWN OF BROOKHAVEN ENGINEERING INSPECTOR IN THE DEPARTMENT OF PLANNING, ENVIRONMENT AND LAND MANAGEMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ALL CONSTRUCTION AT 631-451-6400 BETWEEN THE HOURS OF 9:00am - 4:30pm MONDAY THROUGH FRIDAY.
3. PLEASE CONTACT THE DIVISION OF ENGINEERING AT (631)-451-6400 TO SCHEDULE A PRE-CONSTRUCTION MEETING 48 HRS. PRIOR TO THE COMMENCEMENT OF ANY AND ALL CONSTRUCTION ACTIVITIES.
4. LOCATION AND GRADES FOR CURBS AND WALKS TO BE VERIFIED WITH THE TOWN OF BROOKHAVEN HIGHWAY DEPT., S.C.D.P.W. AND N.Y.S.D.O.T. PRIOR TO CONSTRUCTION.
5. ALL TRAFFIC CONTROL DEVICES, I.E. SIGNALS, SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN CONFORMANCE WITH THE GUIDELINES OF THE N.Y. STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND AS DIRECTED BY THE TOWN OF BROOKHAVEN, DIVISION OF TRAFFIC SAFETY.
6. THE CONTRACTORS PERFORMING ANY AND ALL TRAFFIC CONTROL DEVICES LAYOUT AND INSTALLATION WORK SHALL NOTIFY THE TOWN OF BROOKHAVEN DIVISION OF TRAFFIC SAFETY, 48 HOURS IN ADVANCE OF BEGINNING SUCH WORK ALONG A TOWN ROAD.
7. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (SUFFOLK COUNTY SPECIFICATIONS) UNLESS OTHERWISE NOTED ON PLAN.
8. STOP LINE SIGHT DISTANCE SHALL BE MAINTAINED AT ALL INTERSECTION IN ACCORDANCE WITH A.A.S.H.T.O. REQUIREMENTS.

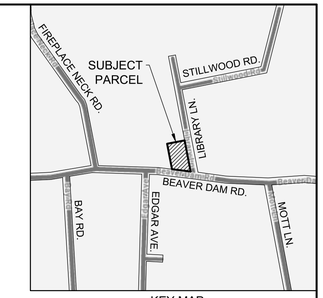
SIGN LEGEND

1. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FEDERAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE NEW YORK STATE SUPPLEMENTAL, LATEST EDITIONS.
2. SIGNS OTHER THAN N.Y.S.D.O.T. SPECIFIED, AS PER GRIMCO INC. SIGN COMPANY ST. LOUIS, MO. OR APPROVED EQUAL.
3. ALL SIGNS POLES AND FOOTINGS SHALL BE SET BACK A MINIMUM OF TWO (2) FEET FROM THE CURB LINE TO ACCOMMODATE THE TWO (2) FOOT PARKING BUMPER OVERHANG.

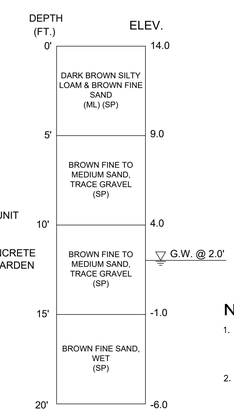
SIGN	SYMBOL
RESERVED PARKING / VAN ACCESSIBLE	1
NO PARKING ANY TIME	2
STOP	3



GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 INCH = 20 FEET



KEY MAP
SCALE: 1" = 500'



SOIL BORING LOG

NOT TO SCALE

NOTES:
1. BORINGS PERFORMED BY EAST COAST GEOSERVICES, LLC ON JANUARY 29, 2020.
2. GROUNDWATER ENCOUNTERED 12' BELOW GRADE.
3. HIGHEST EXPECTED GROUNDWATER ELEV. 21.28 AS PER USGS WELL S 69364.1

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE LIBRARY'S DESIGNATED REPRESENTATIVE TO DETERMINE THE COLOR AND STYLE OF THE CONCRETE PAVERS, AND COLOR OF THE CONCRETE TO BE PLACED PRIOR TO ORDER OR INSTALLATION.
2. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR ANY ADJUSTMENTS NEEDED FOR VALVES, HYDRANTS, METERS, ETC. WORK TO BE PAID FOR UNDER ITEM 17.
3. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED 6" THICK WITH WIRE MESH AS PER DETAILS.
4. N+P AND THE CONTRACTOR SHALL COORDINATE WITH PSEG/NYT TO RELOCATE THE EXISTING UTILITY POLE (NYT 115).
5. THE CONTRACTOR SHALL RELOCATE THE EXISTING SHED AND ITS EQUIPMENT TO THE PROPOSED LOCATION. THE SHED SHALL BE PLACED ABOVE GRADE TO ENSURE PROPER DRAINAGE AND LEVELING OF THE SHED; ALL WORK TO BE INCLUDED UNDER ITEM 19.
6. THE CONTRACTOR SHALL RELOCATE THE EXISTING BICYCLE RACK TO THE PROPOSED LOCATION; WORK TO BE INCLUDED IN PAYMENT UNDER ITEM 19.
7. PROPOSED 3' HIGH WOOD PICKET FENCE TO BE PAINTED WHITE.

LEGEND:

- FULL DEPTH ASPHALT ROAD RESTORATION ITEM 4A
- CONCRETE SIDEWALK ITEM 2A
- BLOCK PAVER WALK / PATIO ITEM 3
- SITE RE-GRADING TOPSOIL & SOD RESTORATION ITEM 7A & 7C
- BIO-RETENTION GARDEN AREA SAND/COMPOST ENGINEERED MEDIA ITEM 8B
- MULCHED BEDS ITEM 8A
- POST TOP DECORATIVE LIGHT AND POLE ITEM 11B
- PLANTINGS - SHRUBS/TREES/PLUGS
- CONCRETE CURB OR CURB & GUTTER ITEM 1A OR 1B
- SAWCUT PAVEMENT, ITEM 4A

DATUM IS SHOWN IN NAVD 1988

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:
NELSON + POPE
engineers • architects • surveyors
70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com

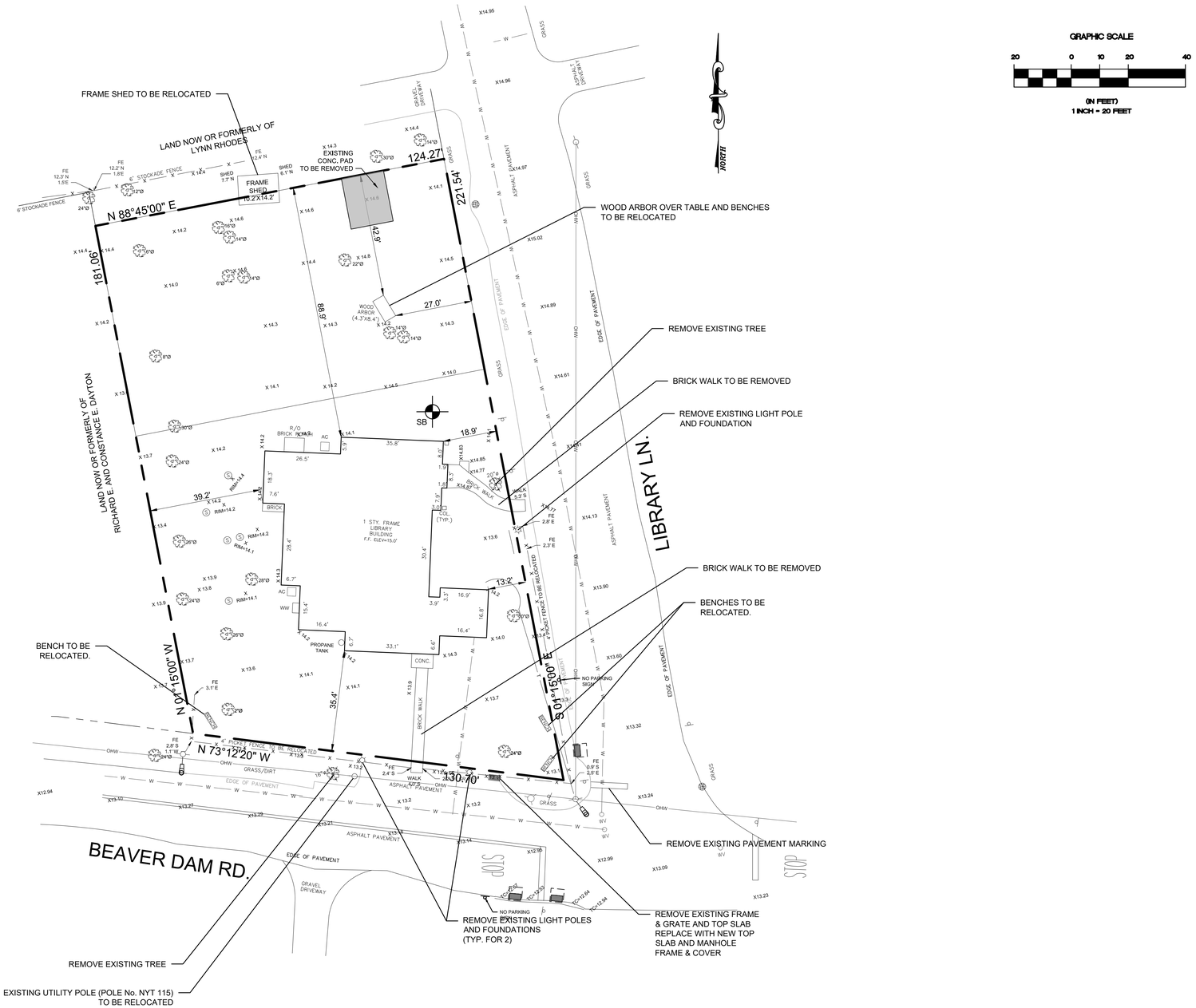
CLIENT:
BROOKHAVEN FREE LIBRARY
273 BEAVER DAM ROAD
BROOKHAVEN, NEW YORK 11719

DWN. BY:	KVH
CHK'D BY:	JD/EM
DATE:	JULY 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

DRAWING TITLE:
ALIGNMENT PLAN
SCTM # 200-976.3-1-3
BROOKHAVEN FREE LIBRARY
BROOKHAVEN, NEW YORK 11719

DRAWING NUMBER:
C-101

SHEET: 1 OF 12



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1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

STATE OF NEW YORK · KEVIN VAN HOUTEN · 087 · LICENSED PROFESSIONAL ENGINEER

CONSULTANT:
NELSON + POPE
engineers • architects • surveyors
70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com

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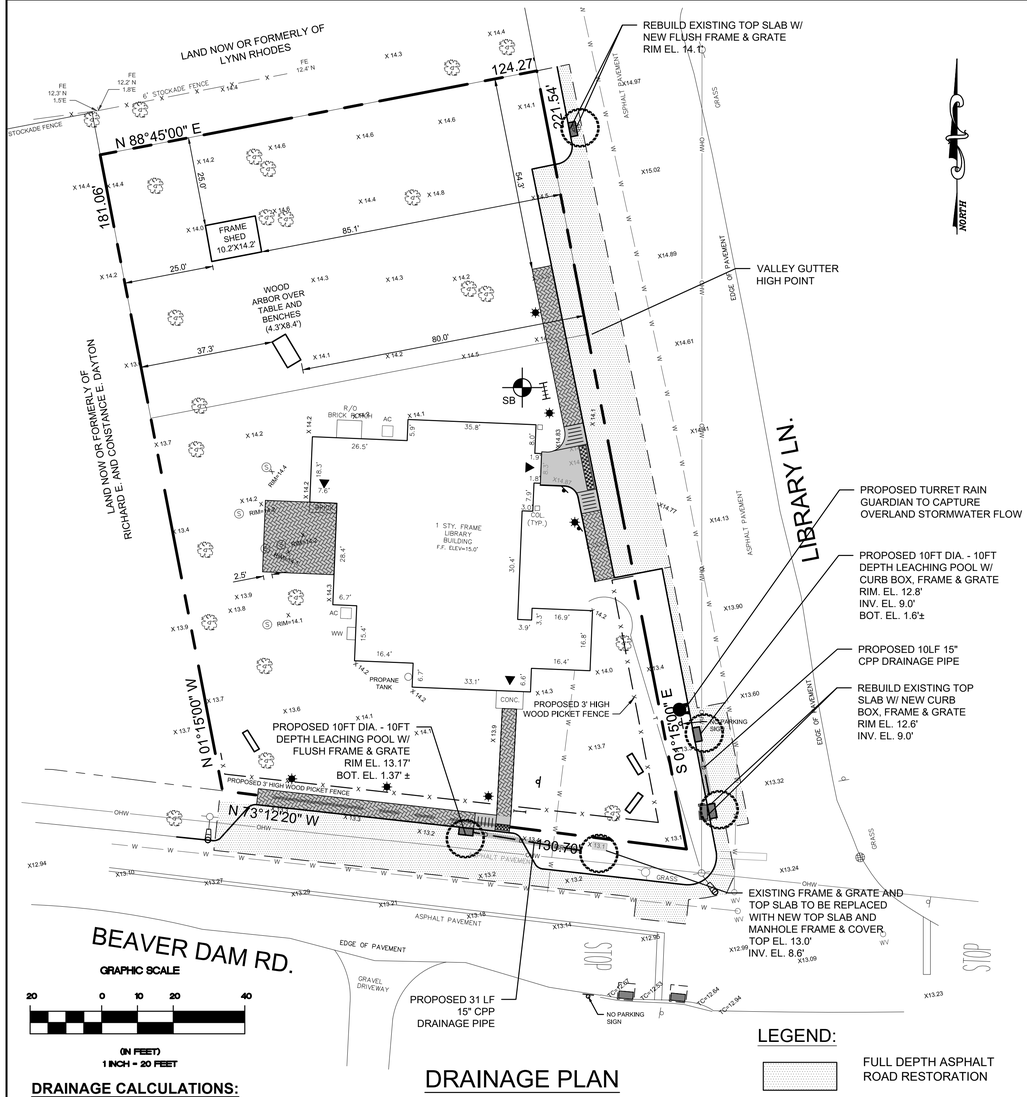
273 BEAVER DAM ROAD
BROOKHAVEN, NEW YORK 11719

DWN. BY:	KVH
CHK'D BY:	JD/EM
DATE:	JULY 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	1" = 20'

DRAWING TITLE:
EXISTING CONDITIONS AND REMOVALS PLAN
BROOKHAVEN FREE LIBRARY
BROOKHAVEN, NEW YORK 11719

DRAWING NUMBER:
C-102

SHEET: 2 OF 12



DRAINAGE PLAN

DRAINAGE CALCULATIONS:

DA-1

REQUIRED:

IMPERVIOUS	3,895	SF x 1.0 =	3,895 SF
LANDSCAPED	2,389	SF x 0.15 =	358 SF
			4,253 SF x (2/12) = 709 C.F. REQUIRED

EXISTING: (1) 8 FT. DIA. LEACHING POOL x 8' EFF. DEPTH = 337.9 C.F. EXIST.
PROVIDE: (1) 10 FT. DIA. LEACHING POOL x 10' EFF. DEPTH = 684.2 C.F. PROP.
1,022.1 C.F. PROVIDED > 709 C.F. REQUIRED

DA-2

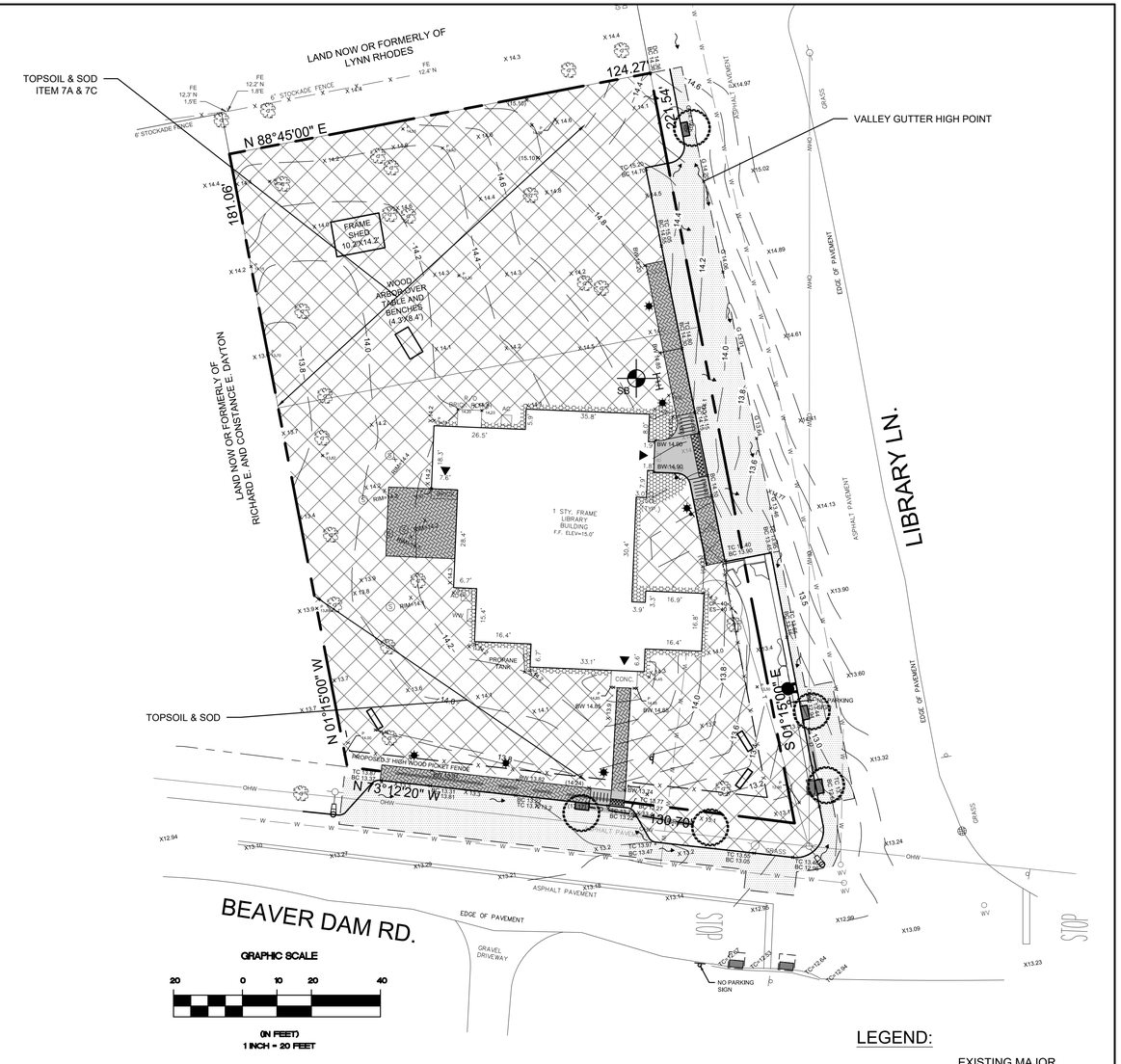
REQUIRED:

IMPERVIOUS	2,865	SF X 1.0 =	2,865 SF
LANDSCAPED	4,625	SF X 0.15 =	694 SF
			3,559 SF X (2/12) = 594 C.F. REQUIRED

PROVIDE: (1) 10 FT. DIA. LEACHING POOL X 10' EFF. DEPTH = 684.2 C.F. PROP.
684.2 C.F. PROVIDED > 594 C.F. REQUIRED

LEGEND:

- FULL DEPTH ASPHALT ROAD RESTORATION
- DRAINAGE STRUCTURE
- 'RAIN GUARDIAN' DRAINAGE STRUCTURE
- DRAINAGE PIPE
- CONCRETE CURB
- SAWCUT PAVEMENT



GRADING PLAN

LEGEND:

- 10.0 — EXISTING MAJOR GRADING CONTOUR
- 10.2 — EXISTING MINOR GRADING CONTOUR
- E XX.XX — PROPOSED GRADE
- 10.0 — PROPOSED MAJOR GRADING CONTOUR
- 10.2 — PROPOSED MINOR GRADING CONTOUR
- P XX.XX — PROPOSED GRADE

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
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1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:
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BROOKHAVEN, NEW YORK 11719

DWN. BY:	KVH
CHK'D BY:	JD/EM
DATE:	JULY 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

DRAWING TITLE:
GRADING AND DRAINAGE PLAN
BROOKHAVEN FREE LIBRARY
BROOKHAVEN, NEW YORK 11719

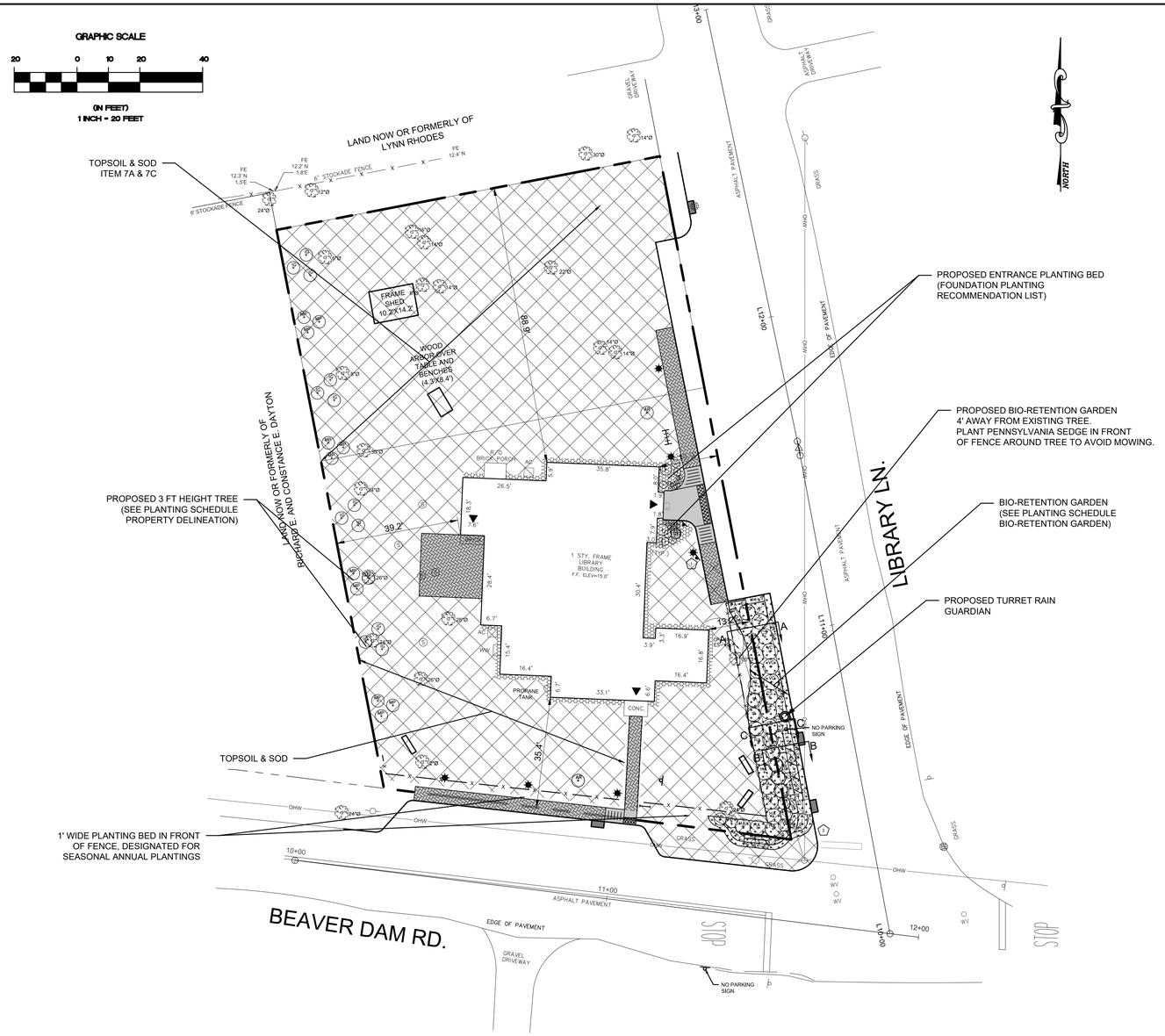
DRAWING NUMBER:
C-103

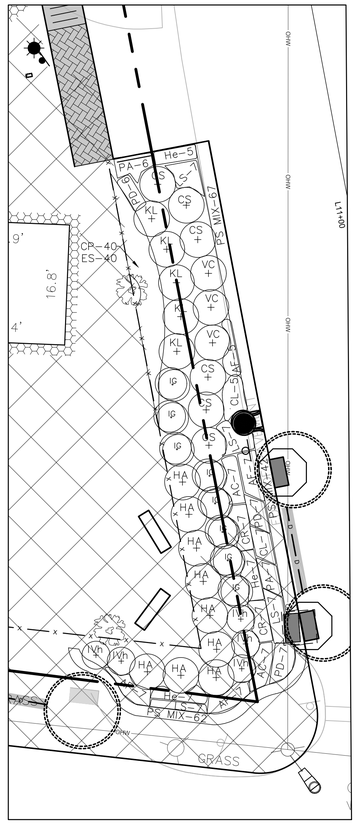
SHEET: 3 OF 12

PLANTING SCHEDULE PROPERTY DELINEATION						
QTY	I.D.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ITEM No.
12	KL	KALMIA LATIFOLIA	MOUNTAIN LAUREL	5' HEIGHT AT 5' SPACING	48" O.C.	14
12	MP	MYRIC PENNSYLVANICA	NORTHERN BAYBERRY	5' HEIGHT AT 5' SPACING	48" O.C.	14
-	PJ	PIERIS JAPONICA COMPACTA	JAPANESE ADROMEDA	3' HEIGHT AT 5' SPACING	48" O.C.	14
2	AR	ACER RUBRUM	RED MAPLE	2 -3" CAL.	30' O.C.	15

PLANTING SCHEDULE- BIO-RETENTION GARDEN						
PERENNIALS						
QTY.	I.D.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ITEM No.
14	AC	Aster cordifolius	Blue Wood-Aster	1 GAL	18" O.C.	13
26	AF	Agastache foeniculum	Anise Hyssop	1 GAL	18" O.C.	13
12	CL	Chelone lyonii	Pink Turtlehead	1 GAL	18" O.C.	13
14	CR	Cimicifuga racemosa	Black Cohosh	1 GAL	18" O.C.	13
19	He	Helenium autumnale	Sneezeweed	1 GAL	18" O.C.	13
91	LS	Lobelia siphilitica	Great Blue Lobelia	1 GAL	18" O.C.	13
20	PD	Penstemon digitalis	Smooth Penstemon	1 GAL	18" O.C.	13
57	PS - MIX (Cluster in groups ranging in 3 to 5 per species)	Phlox subulata 'Red Wing'	Pink Creeping Phlox	1 QT	12" O.C.	12
57		Phlox subulata 'Fort Hill'	Purple Creeping Phlox	1 QT	12" O.C.	12
57		Phlox subulata 'White Delight'	White Creeping Phlox	1 QT	12" O.C.	12
GRASSES						
40	CP	Carex pensylvanica	Pennsylvania Sedge	FLAT	12" O.C.	40
40	ES	Eragrostis spectabilis	Purple Lovegrass	FLAT	12" O.C.	40
FERNS						
13	PA	Polystichum acrostichoides	Christmas Fern	1 GAL	18" O.C.	13
SHRUBS						
6	CS	Cornus sericea 'Ivory Halo'	Tatarian Dogwood	5 GAL	60" O.C.	14
9	HA	Hydrangea arborescens	Smooth Hydrangea	7 GAL	60" O.C.	14
8	IG	Ilex glabra 'Shamrock'	Dwarf Inkberry Holly	5 GAL	36" O.C.	14
5	IVh	Itea virginica 'Henry's Garnet'	Virginia Sweetspire	5 GAL	48" O.C.	14
5	KL	Kalmia latifolia 'Sarah'	Mountain Laurel	7 GAL	60" O.C.	14
4	VC	Vaccinium corymbosum	High Bush Blueberry	5 GAL	60" O.C.	14

FOUNDATION PLANTINGS - RECOMMENDATION LIST					
PERENNIALS					
QTY	DESCRIPTION	BOTANICAL NAME	COMMON NAME	SIZE	ITEM No.
25	MIXED ASSORTMENT OF PERENNIALS (TALLER PLANTS IN FRONT OF FENCE, SHORTER PLANTS IN FRONT) SPACING 18" MAX	Aster cordifolius	Blue Wood-Aster	PINT	12
25		Agastache foeniculum	Anise Hyssop	PINT	12
25		Baptisia australis	False Blue Indigo	PINT	12
25		Echinacea purpurea	Purple Coneflower	PINT	12
25		Geranium maculatum	Wild Geranium	PINT	12
25		Panicum virgatum 'Shanandoah'	Switchgrass	PINT	12
25		Penstemon digitalis	Smooth Penstemon	PINT	12
25		Rudbeckia fulgida	Black-eyed Susan	PINT	12
		SHRUBS			
3		Ceanothus americanus	New Jersey Tea	1 GAL	13
3		Ilex glabra	Inkberry Holly	1 GAL	13
3		Itea virginica 'Henry's Garnet'	Virginia Sweetspire	1 GAL	13





BIO-RETENTION GARDEN
SCALE: 1" = 10'

LEGEND:

- LAWN RE-GRADING TOPSOIL & SOD RESTORATION
- MULCHED BEDS
- POST TOP DECORATIVE LIGHT AND POLE
- PLANTINGS - SHRUBS/TREES

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN CHARGE OF INSPECTOR PRIOR TO ORDERING OR INSTALLING THE NEW DECORATIVE POSTS AND LUMINARIES. THE EXISTING LIGHT POTS ON BEAVER DAM ROAD MAY BE REUSED AT THE LIBRARY'S REQUEST.

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL: STATE OF NEW YORK — KEVIN VAN HOUTEN — No. 27264 — LICENSED PROFESSIONAL ENGINEER

CONSULTANT:
NELSON+POPE
engineers • architects • surveyors
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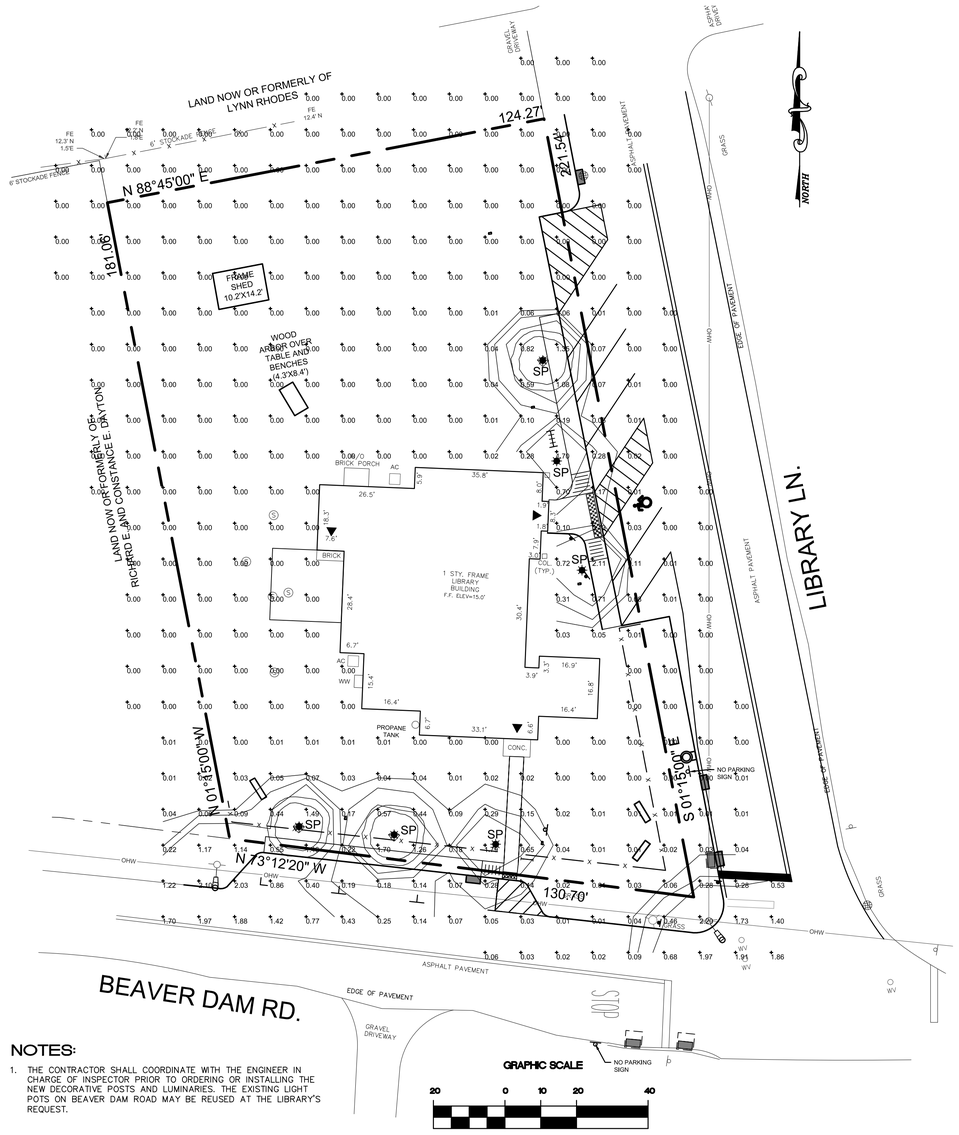
CLIENT:
BROOKHAVEN FREE LIBRARY
273 BEAVER DAM ROAD
BROOKHAVEN, NEW YORK 11719

DWN. BY:	CC
CHK'D BY:	JD/EM
DATE:	JULY 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

DRAWING TITLE:
LANDSCAPE PLAN
BROOKHAVEN FREE LIBRARY
BROOKHAVEN, NEW YORK 11719

DRAWING NUMBER: C-104

SHEET: 4 OF 12



NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN CHARGE OF INSPECTOR PRIOR TO ORDERING OR INSTALLING THE NEW DECORATIVE POSTS AND LUMINARIES. THE EXISTING LIGHT POTS ON BEAVER DAM ROAD MAY BE REUSED AT THE LIBRARY'S REQUEST.

(bhl) LUMINAIRE SCHEDULE

TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
SP	✸	DOVER LED 55021CDBZ	12 Watt LED	2861	6' Pole Cat.# SMA 06 F4C 09S C03	0.90	6

Dover LED | 55021CDBZ

Job Name:_____ Job Type:_____ Quantity:_____ Comments:_____

PRODUCT DESCRIPTION

MEASUREMENTS
DIMENSION : 9.25" L x 9.25" W x 21" H
HANGING WEIGHT : 5.7 lb

LAMPING
INPUT VOLTAGE : 120V
LUMENS : 840 Rated
BULB : 1 x 12W LED PCB Integrated , 12W Total
BULB INCLUDED : (Integrated)
DIMMABLE : Triac CL
CRI : 80+ CRI
COLOR_TEMP : 3000K

FINISHES OPTION
Bronze

GLASS
Seedy CD

MATERIAL
Aluminum

RATINGS
cETLus
Wet Location
DARKSKY

ADDITIONAL
OPERATING TEMPERATURE: -20°C [-4°F], 40°C [104°F]

PHOTOMETRIC: Report Found Online

Always consult a qualified electrician before installing any lighting product.

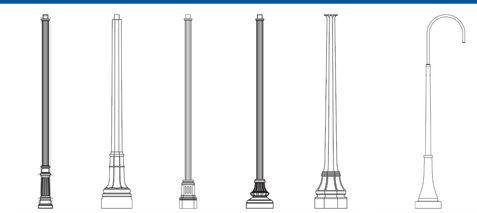
MAXIM LIGHTING

WESTERN DISTRIBUTION CENTER (HEADQUARTER)
233 NORTH VINELAND AVE | CITY OF INDUSTRY, CA 91746

EASTERN DISTRIBUTION CENTER
4200 SHIRLEY DR. | ATLANTA, GA 30336

P. 626.956.4200 | F. 626.956.4225 | maximlighting.com

Decorative Poles



		Salem	San Antonio	Scuthport	Wadsworth	Winter Park
Series		SMA - Aluminum	SAC - Iron	SPA - Aluminum	WDA - Aluminum	WPC - Iron
Base Pattern (D=Diamond) (S=Square)		09S, 13S	19D	11S	17D, 17S 19D, 19S	18D, 20D
Shaft Styles	SiteLink	6' - 22'	–	–	8' - 22'	–
	Fluted	6' - 16'	12'	6' - 16'	8' - 16'	–
	Smooth	6' - 16'	–	6' - 16'	8' - 16'	–
	Tapered	8' - 16'	–	6' - 16'	8' - 16'	–
	Octagonal	–	–	–	–	11'-12'
Standard Bollard		Aluminum	–	–	Aluminum	–
LED Bollard		–	–	–	Aluminum	–

Hallbrook "All-in-One" Family		
Series		HLBK
Material		Aluminum
Base	Bolt Pattern	10S
	Clamshell	22"
Options	Single Fixture	Yes
	Twin Fixture	Yes
	1.5" NPT Mounting	Yes
	QSM Mounting	Yes
	Heights	10' - 20'

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS.	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:
NELSON+POPE
engineers • architects • surveyors
70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com

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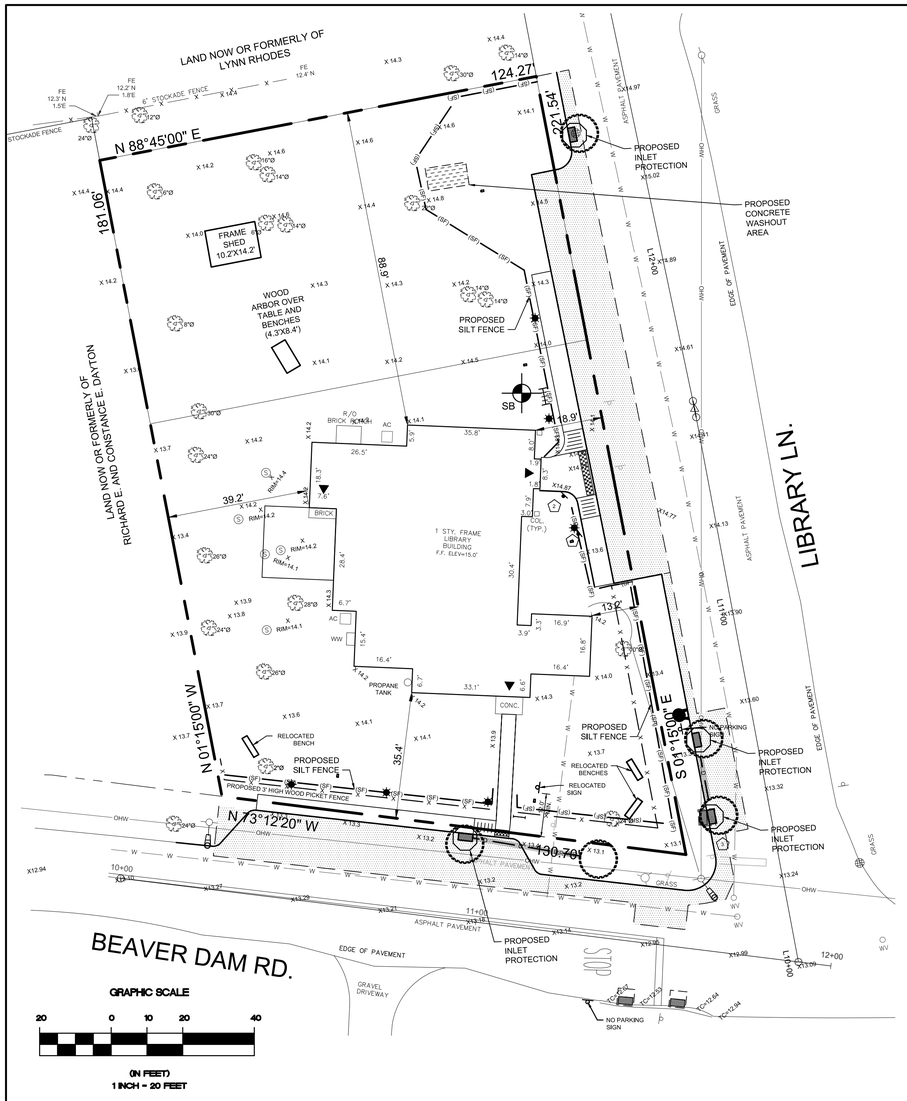
DWN. BY:	KVH
CHK'D BY:	JD/EM
DATE:	JULY 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

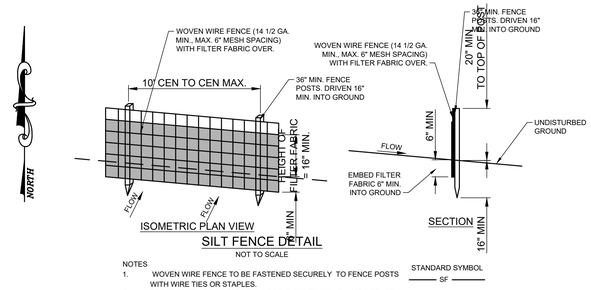
DRAWING TITLE:
LIGHTING PLAN
BROOKHAVEN FREE LIBRARY
BROOKHAVEN, NEW YORK 11719

DRAWING NUMBER:
C-105

SHEET: 5 OF 12



EROSION CONTROL PLAN

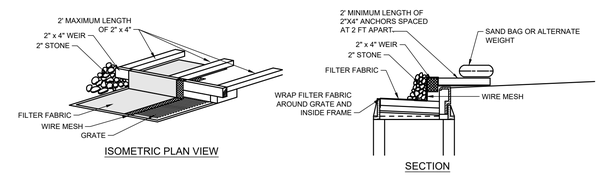


SILT FENCE DETAIL

NOT TO SCALE

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 SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.
6. FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX MESH OPENING.
7. FILTER CLOTH SHALL BE A WOVEN GEOTEXTILE COMPOSED OF POLYPROPYLENE CONFORMING TO AASHTO M288.

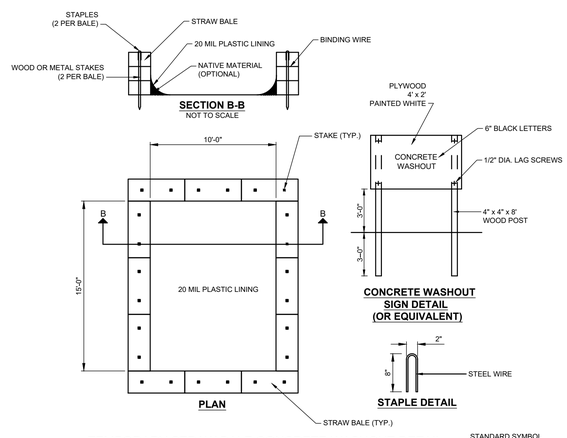


CURB AND GRATE INLET PROTECTION

NOT TO SCALE

STANDARD SYMBOL

1. FILTER FABRIC SHALL HAVE AN AOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. 5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.
6. MAXIMUM DRAINAGE AREA 1 ACRE



TEMPORARY STRAW BALE CONCRETE WASHOUT DETAIL

NOT TO SCALE

STANDARD SYMBOL

NOTES:

1. WASHOUT AREA SHALL BE A MINIMUM OF 50' FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES AND WATER COURSES.
2. ONCE CONCRETE WASTES ARE WASHED INTO DESIGNATED AREAS AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, COUNTY, AND STATE REGULATIONS.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 20' OF TEMPORARY WASHOUT FACILITY.

DUST CONTROL NOTES

DEFINITION
THE CONTROL OF DUST RESULTING FROM LAND-DISTURBING ACTIVITIES.

PURPOSE
TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS AND TRAFFIC SAFETY PROBLEMS.

CONDITIONS WHERE PRACTICE APPLIES
ON CONSTRUCTION ROADS, ACCESS POINTS, AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING WHERE OFF-SITE DAMAGE MAY OCCUR IF DUST IS NOT CONTROLLED.

DESIGN CRITERIA
CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF VEGETATION SHOULD BE LEFT WHERE PRACTICAL. TEMPORARY OR PERMANENT STABILIZATION MEASURES SHOULD BE INSTALLED. NO SPECIFIC DESIGN CRITERIA ARE GIVEN; SEE CONSTRUCTION SPECIFICATIONS BELOW FOR COMMON METHODS OF DUST CONTROL.

WATER QUALITY MUST BE CONSIDERED WHEN MATERIALS ARE SELECTED FOR DUST CONTROL. WHERE THERE IS POTENTIAL FOR THE MATERIAL TO WASH OFF TO A STREAM OR WATER BODY, INGREDIENT INFORMATION MUST BE PROVIDED TO THE LOCAL PERMITTING AUTHORITY.

CONSTRUCTION SPECIFICATIONS

A. NON-DRIVING AREAS - THESE AREAS USE PRODUCTS AND MATERIALS APPLIED OR PLACED ON SOIL SURFACES TO PREVENT AIRBORNE MIGRATION OF SOIL PARTICLES.

VEGETATIVE COVER - FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC; VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL. TEMPORARY SEEDING SHALL BE AS FOLLOWS:

RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (0.7 LBS./1,000 S.F.)

CERTIFIED "AROOSTOOK" WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (2.5 LBS./S.F.)

USE WINTER RYE IF SEEDING IN OCTOBER / NOVEMBER.

MULCH (INCLUDING GRAVEL MULCH) - MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST. THIS CAN ALSO INCLUDE ROLLED EROSION CONTROL BLANKETS.

SPRAY ADHESIVES - THESE ARE PRODUCTS GENERALLY COMPOSED OF POLYMERS IN A LIQUID OR SOLID FORM THAT ARE MIXED WITH WATER TO FORM AN EMULSION THAT IS SPRAYED ON THE SOIL SURFACE WITH TYPICAL HYDROSEEDING EQUIPMENT. THE MIXING RATIOS AND APPLICATION RATES WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC SOILS ON THE SITE. IN NO CASE SHOULD THE APPLICATION OF THESE ADHESIVES BE MADE ON WET SOILS OR IF THERE IS A PROBABILITY OF PRECIPITATION WITHIN 48 HOURS OF ITS PROPOSED USE. MATERIAL SAFETY DATA SHEETS WILL BE PROVIDED TO ALL APPLICATORS AND OTHERS WORKING WITH THE MATERIAL.

EXAMPLES OF SPRAY ADHESIVES FOR USE ON MINERAL SOILS ARE SHOWN IN THE FOLLOWING TABLE.

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS ACRE
ACRYLIC POLYMER	9:1	COURSE SPRAY	500
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300

B. DRIVING AREAS - THESE AREAS UTILIZE WATER, POLYMER EMULSIONS AND BARRIERS TO PREVENT DUST MOVEMENT FROM THE TRAFFIC SURFACE INTO THE AIR.

SPRINKLING - THIS SITE MAY BE SPRAYED UNTIL THE SURFACE IS WET. THIS IS ESPECIALLY EFFECTIVE ON HAUL ROADS AND ACCESS ROUTES.

POLYMER ADDITIVES - THESE POLYMERS ARE MIXED WITH WATER AND APPLIED TO THE DRIVING SURFACE BY A WATER TRUCK WITH A GRAVITY FEED DRIP BAR, SPRAY BAR OR AUTOMATED DISTRIBUTOR TRUCK. THE MIXING RATIOS AND APPLICATION RATES WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INCORPORATION OF THE EMULSION INTO THE SOIL WILL BE DONE TO THE APPROPRIATE DEPTH BASED ON EXPECTED TRAFFIC. COMPACTION AFTER INCORPORATION WILL BE BY VIBRATORY ROLLER TO A MINIMUM OF 95%. THE PREPARED SURFACE SHALL BE MOIST AND NO APPLICATION OF THE POLYMER WILL BE MADE IF THERE IS A PROBABILITY OF PRECIPITATION WITHIN 48 HOURS OF ITS PROPOSED USE. MATERIAL SAFETY DATA SHEETS WILL BE PROVIDED TO ALL APPLICATORS WORKING WITH THE MATERIAL.

BARRIERS - WOVEN GEOTEXTILES CAN BE PLACED ON THE DRIVING SURFACE TO EFFECTIVELY REDUCE DUST THROW AND PARTICLE MIGRATION ON HAUL ROADS. STONE CAN ALSO BE USED FOR CONSTRUCTION ROADS FOR EFFECTIVE DUST CONTROL.

WINDBREAK - A SILT FENCE OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AT INTERVALS EQUAL TO TEN TIMES THE BARRIER HEIGHT. PRESERVE EXISTING WIND BARRIER VEGETATION AS MUCH AS PRACTICAL.

MAINTENANCE
MAINTAIN DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED.

EROSION CONTROL NOTES

1. A - EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED.
   B - CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED.
   C - THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUN-OFF VELOCITIES.
   D - RUN-OFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.
   E - SEDIMENT SHALL BE TRAPPED ON-SITE.
2. SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL CONFORM TO THE NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION.
3. SEDIMENT BARRIERS (SILT FENCES, HAY BALES OR APPROVED EQUAL) SHALL BE INSTALLED AS REQUIRED ALONG LIMITS OF DISTURBANCE FOR THE DURATION OF THE WORK. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ON TO ADJACENT PROPERTIES, WETLANDS OR ROADS.
4. GRADED AND STRIPPED AREAS AND STOCKPILES SHALL BE KEPT STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AS REQUIRED. SEED MIXTURE SHALL BE IN ACCORDANCE WITH SOIL CONSERVATION SERVICE RECOMMENDATIONS.
5. DRAINAGE INLETS INSTALLED AS PART OF THE PROJECT SHALL BE PROTECTED FROM SEDIMENT BUILD-UP THROUGH THE USE OF SEDIMENT BARRIERS, SEDIMENT TRAPS, ETC., AS REQUIRED.
6. INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED DAILY BY CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THE DAY AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT NOT LIMITED TO, CLEANING OF SEDIMENT BASINS OR TRAPS, CLEANING OR REPAIR OF SEDIMENT BARRIERS, CLEANING AND REPAIR OF BERMS AND DIVERSIONS, AND CLEANING AND REPAIR OF OF INLET PROTECTION.
7. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION. SEE DUST CONTROL NOTES, THIS SHEET.
8. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.
9. SEDIMENT BARRIERS AND OTHER EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL UPLAND DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, PAVED AREAS SHALL BE CLEANED AND DRAINAGE SYSTEM FLUSHED AS NECESSARY.
10. DURING THE COURSE OF CONSTRUCTION, CERTAIN EROSION AND SEDIMENT CONTROL MEASURES MAY BECOME NECESSARY TO PREVENT THE TRANSPORT OF SEDIMENT TO OFF-SITE AREAS, PONDS, WATER COURSES, DRAINAGE INLETS, RECHARGE BASINS, ETC. ACTUAL EROSION CONTROL MEASURES WILL BE DICTATED BY FIELD CONDITIONS AS CONSTRUCTION PROGRESSES BUT THE GENERAL CONDITIONS IN NOTES 1 THROUGH 9 SHALL BE OBSERVED.

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:
NELSON + POPE
engineers • architects • surveyors
70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com

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CHK'D BY:	JD/EM
DATE:	JULY 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

DRAWING TITLE:
EROSION CONTROL PLAN
BROOKHAVEN FREE LIBRARY
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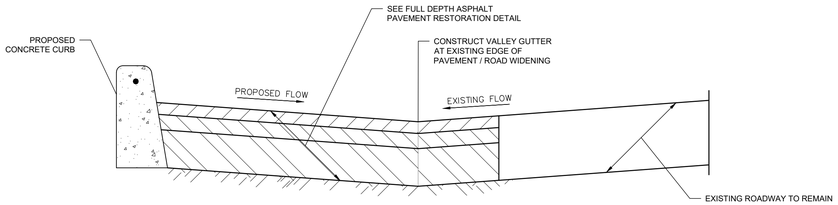
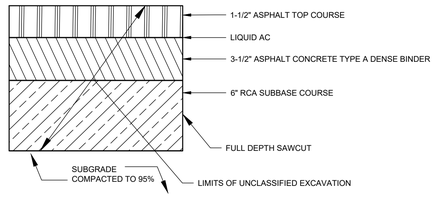
DRAWING NUMBER:
C-106

SHEET: 6 OF 12



ROAD RESTORATION TYPICAL SECTION - LIBRARY LANE

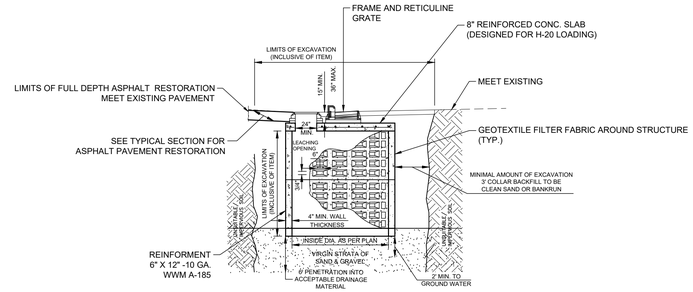
NOT TO SCALE



FULL DEPTH ASPHALT PAVEMENT RESTORATION DETAIL

ITEM 4A

NOT TO SCALE



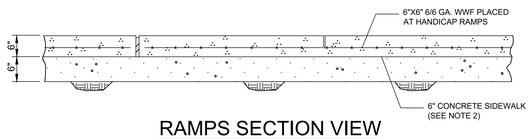
LEACHING BASIN DETAIL

ITEM 5A

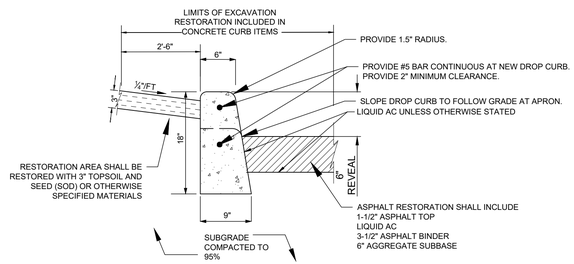
NOT TO SCALE

LEACHING POOL NOTES:

1. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM 2'-0" OF COVER.
2. THE TOP SECTION SHALL BE LEACHING TYPE WITH GEOTEXTILE FILTER CLOTH INSTALLED. AOS 095 SHALL BE 0.52mm OR GREATER IN ACCORDANCE WITH ASTM D4751.
3. SANITARY RINGS MAY NOT BE USED.
4. MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI CONCRETE PRIOR TO INSTALLATION.
5. ALL STRUCTURES MUST BE MANUFACTURES AT AN ACI CERTIFIED PLANT, A COPY OF CERTIFICATION MUST BE ON FILE WITH THE TOWN.



RAMPS SECTION VIEW



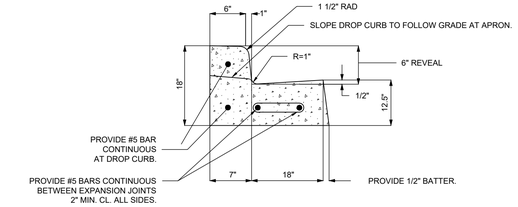
NOTES:

1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. (TEST CYLINDERS STRENGTH MAY BE REQUIRED, AS REQUESTED BY INSPECTOR OR TOWN ENGINEER.)
2. CONCRETE SHALL BE A MONOLITHIC POUR, MUST USE FORMS FRONT AND REAR.
3. PAVING OF ASPHALT SHALL BE COMPLETED ON-SITE.

CONCRETE CURB DETAIL

ITEM 1A

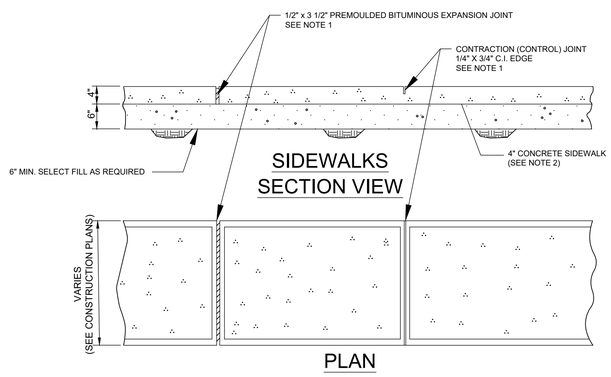
NOT TO SCALE



CURB & GUTTER DETAIL

ITEM 1B

NOT TO SCALE



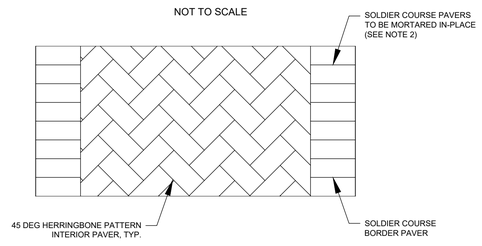
CONCRETE SIDEWALK (RAMPS ONLY)

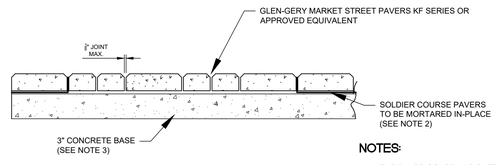
ITEM 2A

NOT TO SCALE

SIDEWALK NOTES:

1. CONTROL JOINTS ARE TO BE PLACED EVERY 5'-0" AND EXPANSION JOINTS ARE TO BE PLACED EVERY 20', OR AS DIRECTED BY THE ENGINEER.
2. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED 6" THICK.
3. ADJACENT RESTORATION SHALL BE PERFORMED TWO FEET (2') FROM THE BACKSIDE OF THE NEWLY PLACED SIDEWALK. TWO FEET (2') OF RESTORATION SHALL BE PERFORMED ON THE FRONTSIDE OF THE SIDEWALK AS WELL, ONLY WHEN NECESSARY.
4. THE CONTRACTOR SHALL COORDINATE WITH THE LIBRARY'S DESIGNATED REPRESENTATIVE TO DETERMINE THE EXACT COLOR OF THE CONCRETE TO BE USED/PLACED IN AREAS SUCH AS CURB RAMPS.
5. CONCRETE SIDEWALK SHALL BE A MONOLITHIC POUR AND HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. (TEST CYLINDERS STRENGTH MAY BE REQUIRED, AS REQUESTED BY INSPECTOR OR TOWN ENGINEER.)





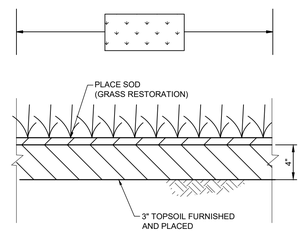
BLOCK PAVER DETAIL

ITEM 3

NOT TO SCALE

NOTES:

1. THE PAVER COLOR AND PATTERN SHALL MATCH THE SPECIFICATIONS OF THIS CONTRACT, WHICH REVIEW AND APPROVAL BY THE LIBRARY'S DESIGNATED REPRESENTATIVE PRIOR TO PLACEMENT OF ORDER AND/OR INSTALLATION.
2. THE CONTRACTOR SHALL MORTAR ALL SOLDIER PAVERS, EDGE BLOCK IN-PLACE ON THE CONCRETE BASE.
3. CONCRETE BASE SHALL BE PLACED TO PROVIDE A LEVEL FINISHED SURFACE FOR THE PLACEMENT OF CONCRETE PAVERS.



TOPSOIL AND SOD RESTORATION DETAIL

ITEM 7C

NOT TO SCALE

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS.	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
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SEAL:

CONSULTANT:
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CHK'D BY:	JD
DATE:	MARCH 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

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MISCELLANEOUS DETAILS - 1
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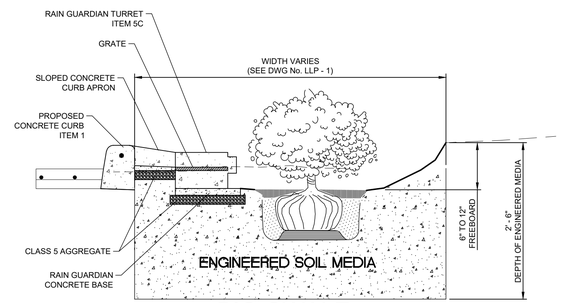
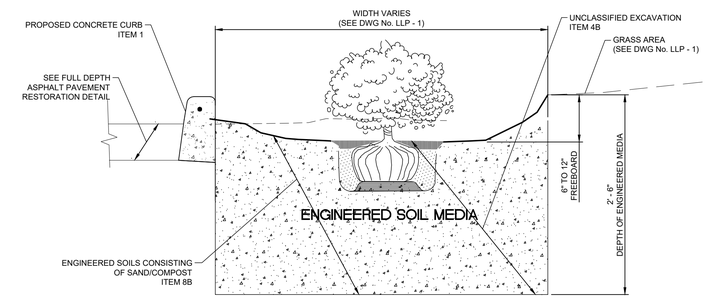


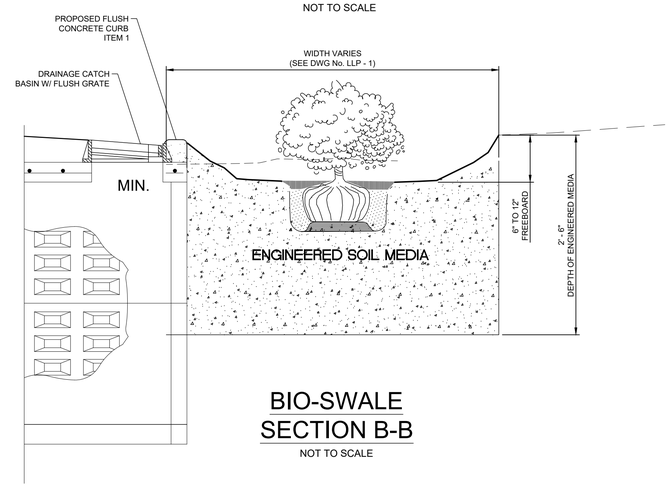
BIO-SWALE
SECTION C-C

NOT TO SCALE



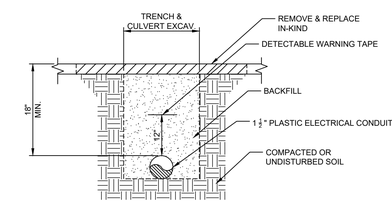
BIO-SWALE
SECTION A-A

NOT TO SCALE



BIO-SWALE
SECTION B-B

NOT TO SCALE



ELECTRICAL TRENCH

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No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:

NELSON + POPE
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CADD:	18311_SP.DWG
SCALE:	AS SHOWN

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MISCELLANEOUS DETAILS - 2

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MD - 2

SHEET: 8 OF 12

GENERAL NOTES:

1. THESE SHEETS ARE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), AND THE REQUIREMENTS OF THE 2011 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY (PROWAG).

2. DIMENSIONS SHOWN IN THE DETAILS AS MINIMUMS AND MAXIMUMS ARE THE LIMITS FOR DESIGN AND FIELD LAYOUT. FACILITIES SHALL NOT BE CONSTRUCTED WITH VALUES OUTSIDE THE LIMITS FOR WORK ACCEPTANCE. SEE TABLE "DESIGN ELEMENT TOLERANCES" ON THIS SHEET. FURTHER INFORMATION IS PROVIDED ON "CRITICAL ELEMENTS FOR THE DESIGN, LAYOUT, AND ACCEPTANCE OF PEDESTRIAN FACILITIES" AVAILABLE ON THE N.Y.S.D.O.T HIGHWAY DESIGN MANUAL CHAPTER 18 WEB SITE.

3. NOT ALL FACILITIES CAN BE CONSTRUCTED TO MEET THE DESIGN STANDARDS. FACILITIES THAT CANNOT BE CONSTRUCTED TO MEET THE DESIGN STANDARDS SHALL BE CONSTRUCTED TO MEET THE STANDARDS TO THE GREATEST EXTENT PRACTICABLE. NONSTANDARD FEATURES SHALL BE JUSTIFIED PER HIGHWAY DESIGN MANUAL CHAPTER 2, EXHIBIT 2-15A.

4. TO CHECK FIELD LAYOUT AND TO VERIFY WORK ACCEPTANCE, ALL SLOPES AND GRADES WILL BE MEASURED WITH A 4 FOOT LONG DIGITAL LEVEL USING AT LEAST TWO READINGS. WHERE THE READINGS VARY, THE MEASUREMENTS WILL BE AVERAGED. GRADE (RUNNING SLOPE) WILL BE MEASURED ALONG THE CENTERLINE AND OFFSET 12" TO 18" FROM THE CENTERLINE. CROSS SLOPES WILL BE MEASURED PERPENDICULAR TO CENTERLINE AT 5' TO 10' INTERVALS.

5. GRADES (RUNNING SLOPES) ARE MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL. CROSS SLOPES ARE MEASURED PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.

6. JOINTS BETWEEN SIDEWALKS, CURB RAMPS, TURNING SPACES AND ROADWAYS SHALL BE FLUSH AND FREE FROM ABRUPT VERTICAL CHANGES GREATER THAN ¼". VERTICAL SURFACE DISCONTINUITIES BETWEEN ¼" AND ½" SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN1:2. THE BEVEL SHALL BE APPLIED ACROSS THE ENTIRE JOINT.

7. SIDEWALKS ARE CONNECTED TO ROADWAYS BY EITHER BLENDED TRANSITIONS OR CURB RAMPS. BLENDED TRANSITIONS ARE CONNECTIONS BETWEEN THE SIDEWALK LEVEL AND THE ROADWAY LEVEL THAT HAVE A MAXIMUM GRADE (RUNNING SLOPE) OF 13% AND TRANSITIONS GREATER THAN 5% ARE CONSIDERED CURB RAMPS.

8. CURB RAMPS AND BLENDED TRANSITIONS MAY REQUIRE THE INSTALLATION OF DETECTABLE WARNINGS , SEE ADDITIONAL "DETECTABLE WARNING NOTES" ON THIS SHEET, AND DETAILS ON SHEET OF 2 OF 9 FOR DIMENSIONS, ORIENTATION AND INSTALLATION.

9. VERTICAL ALIGNMENT SHALL BE GENERALLY PLANAR. GRADE BREAKS WITHIN THE PEDESTRIAN ACCESS ROUTE SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL AND SHALL NOT BE ROUNDED.

10. MATERIAL DEPTHS SHOWN ON THESE SHEETS ARE TYPICAL MINIMUM VALUES AND MAY BE DIFFERENT IN THE CONTRACT DOCUMENTS.

11. SIDEWALK GRADE (RUNNING SLOPE) SHALL NOT BE DESIGNED TO EXCEED 4.5%, EXCEPT WHEN MATCHING INTO EXISTING SIDEWALK OR WHEN THE HIGHWAY GRADE IS STEEPER. WHEN HIGHWAY GRADE IS GREATER THAN 5%, THE SIDEWALK GRADE SHALL NOT EXCEED THE HIGHWAY GRADE.

12. THE CROSS SLOPE OF PEDESTRIAN ACCESS ROUTES SHALL BE 1.5% MAXIMUM FOR DESIGN AND LAYOUT, AND 2% MAXIMUM FOR WORK ACCEPTANCE. THE FOLLOWING EXCEPTIONS ARE ALLOWED:

    WHERE PEDESTRIAN STREET CROSSINGS ARE PROVIDED AT INTERSECTIONS WITHOUT YIELD OR STOP CONTROL OR WHERE THERE IS ANY TRAFFIC SIGNAL WITHOUT A FLASHING RED, THE CROSS SLOPE OF A PEDESTRIAN ACCESS ROUTE CONTAINED WITHIN A STREET CROSSING SHALL BE 4.5% MAXIMUM FOR DESIGN AND LAYOUT, AND 5% MAXIMUM FOR WORK ACCEPTANCE.

    WHERE MIDBLOCK PEDESTRIAN STREET CROSSINGS ARE PROVIDED, THE CROSS SLOPE OF A PEDESTRIAN ACCESS ROUTE CONTAINED WITHIN A MIDBLOCK STREET CROSSING SHALL BE PERMITTED TO EQUAL THE STREET OR HIGHWAY GRADE.

13. THE MINIMUM CLEAR WIDTH FOR PEDESTRIAN ACCESS ROUTES IS 4'-0", EXCLUSIVE OF THE CURB. WHEN WALKWAY WIDTHS ARE LESS THAN 5'-0", 5'-0" x 5'-0" PASSING SPACES (SHOWN IN DETAIL A OR B), OR A FEATURE OF EQUAL OR GREATER DIMENSION (E.G. DRIVEWAYS) THAT MEET THE SLOPE CRITERIA, SHALL BE PROVIDED AT A MINIMUM INTERVAL OF 200'. EXISTING DRIVEWAYS AND STREET CROSSING MAY ALSO SERVE AS PASSING SPACES.

14. THE BUFFER ZONE IS A PRACTICAL DISTANCE SEPARATING THE PEDESTRIAN ACCESS ROUTE FROM THE VEHICLE TRAVELED WAY. THE BUFFER ZONE WAY MAY BE PLANTED OR PAVED. WHERE THE BUFFER ZONE WIDTH, EXCLUSIVE OF CURB, IS LESS THAN 3'-0" THE SURFACE SHOULD BE PAVED OR CONSTRUCTED WITH HARDSCAPE MATERIALS.

15. THE MAXIMUM RECOMMENDED CROSS SLOPE OF A TURF BUFFER ZONE OR SLOPE TRANSITION BEHIND SIDEWALK IS 25%. BUFFER ZONES WITH A CROSS SLOPE GREATER THAN 25% SHOULD BE PAVED, PLANTED OR CONSTRUCTED WITH HARDSCAPE MATERIALS.

16. WHEN CROSSING DRIVEWAYS, THE WORK SHALL BE IN CONFORMANCE WITH STANDARD SHEET 608-03.

17. FOR PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTONS, REFER TO STANDARD SHEET 680-10 FOR DETAILS.

18. WHERE EXISTING ROADWAYS ARE SAW CUT TO INSTALL CURBING AND/OR SIDEWALK, THE ROADWAY SHOULD BE SAWCUT AT LEAST 2'-0" FROM THE PROPOSED CURB LINE TO ALLOW FOR ADEQUATE COMPACTION OF ASPHALT IF SAWCUT IS LESS THAN 2'-0" FROM PROPOSED CURB LINE, THEN THE ROADWAY SHALL BE REBUILT USING CLASS C CONCRETE,

CURB RAMP NOTES:

1. THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 4'-0".

2. THE GRADE (RUNNING SLOPE) OF A CURB RAMP SHALL BE A MINIMUM OF 13%. THE GRADE FOR DESIGN AND LAYOUT SHALL BE A MAXIMUM OF 7.5%. THE GRADE FOR ADA ACCESSIBILITY AND WORK ACCEPTANCE SHALL BE A MAXIMUM OF 8.3%.

3. WHERE EXISTING CONDITIONS DO NOT ALLOW THE CONSTRUCTION OF A CURB RAMP WITH A GRADE (RUNNING SLOPE) OF 8.3% OR LESS, THE RAMP LENGTH SHALL NOT BE REQUIRED TO EXCEED 15'-1" FOR DESIGN AND FIELD LAYOUT. THE RAMP LENGTH SHALL NOT BE REQUIRED TO EXCEED 15'-0" FOR WORK ACCEPTANCE.

4. THE CROSS SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS POSSIBLE AND STILL PROVIDE POSITIVE DRAINAGE. THE CROSS SLOPE OF A CURB RAMP SHALL BE 1.5% MAXIMUM FOR DESIGN AND LAYOUT, AND 2% MAXIMUM FOR WORK ACCEPTANCE. SEE NOTE 12 FOR EXCEPTIONS. WHERE THE EXISTING ROADWAY GRADE EXCEEDS 2%, THE CURB RAMP MAY BE WARPED ACCORDING TO THE DETAIL ON SHEET 8 OF 9 TO TIE INTO THE DROP CURB.

5. RAMP SIDE OPTIONS ARE DETAILED ON SHEET 3 OF 9 FOR USE WITHIN THE BUFFER ZONE. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES SHALL BE INSTALLED WITH A MAXIMUM SLOPE OF 9.5% FOR DESIGN AND LAYOUT, AND 10% MAXIMUM FOR WORK ACCEPTANCE. THE SLOPE OF FLARED SIDES IS MEASURED PARALLEL TO THE CURB LINE.

6. THE BACKSIDE OF A PARALLEL RAMP SHOULD BE GRADED TO A MAXIMUM SLOPE OF 25% TO MATCH EXISTING TERRAIN. UNLESS OTHERWISE SHOWN IN THE CONTRACT DOCUMENTS. WHERE GRADING IS NOT FEASIBLE DUE TO LIMITED ROW OR PHYSICAL CONSTRAINTS, A BACK CURB MAY BE INSTALLED.

7. DEPARTMENT PREFERENCE IS TO INSTALL TWO CURB RAMPS AT A STREET CORNER THAT SERVES BOTH CROSSINGS, WHERE EXISTING PHYSICAL CONSTRAINTS PREVENT TWO CURB RAMPS FROM BEING INSTALLED AT A STREET CORNER THAT SERVES BOTH CROSSINGS, A SINGLE DIAGONAL CURB RAMP WILL BE PERMITTED TO SERVE BOTH PEDESTRIAN STREET CROSSINGS.

TURNING SPACE AND CLEAR SPACE NOTES:

8. WHERE A CHANGE IN DIRECTION IS REQUIRED TO UTILIZE A CURB RAMP, A TURNING SPACE SHALL BE PROVIDED AT THE BASE OR THE TOP OF CURB RAMP AS APPLICABLE. TURNING SPACES SHALL BE PERMITTED TO OVERLAP CLEAR SPACES.

9. WHERE THERE ARE NO VERTICAL CONSTRAINTS AT THE BACK OF SIDEWALK, (E.G. VERTICAL CURB, BUILDINGS, FENCES) THE TURNING SPACE DIMENSIONS SHALL BE 4'-0" x 4'-0" MINIMUM. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK OF SIDEWALK. THE TURNING SPACE SHALL 4'-0" x 5'-0" MINIMUM. THE 5'-0" DIMENSION SHALL BE PROVIDED PERPENDICULAR TO THE CONSTRAINT.

10. TURNING SPACES SHALL NOT BE DESIGNED WITH CROSS SLOPE GREATER THAN 1.5%. IN ANY DIRECTION, WHILE PROVIDING POSITIVE DRAINAGE. THE MAXIMUM CROSS SLOPE FOR WORK ACCEPTANCE IS 2.0%. A NONSTANDARD FEATURE JUSTIFICATION IS REQUIRED WHERE TURNING SPACES EXCEED 2.0% IN ANT DIRECTION.

11. BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4'-0" x 4'-0" MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE PEDESTRIAN CROSSWALK, AND OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. THE CLEAR SPACE MAY OVERLAP TURNING SPACES, DETECTABLE WARNING SURFACES, AND DROP CURBS.

DETECTABLE WARNING NOTES:

12. DETECTABLE WARNING SURFACES SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS ON PEDESTRIAN ACCESS ROUTES:

    CURB RAMPS ARE BLENDED TRANSITIONS AT PEDESTRIAN STREET CROSSINGS.

    PEDESTRIAN REFUGE ISLANDS (WHERE THE LENGTH OF THE PEDESTRIAN ACCESS ROUTE ACROSS THE REFUGE ISLAND IS GREATER THAN OR EQUAL TO 6 FEET).

    PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY.

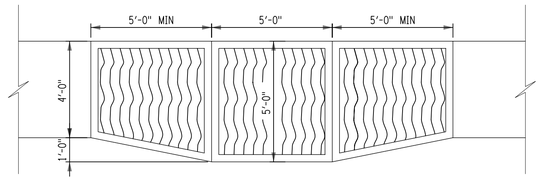
13. DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE THE PEDESTRIAN ACCESS ROUTE CROSSES DRIVEWAYS WITH SIGNAL, YIELD OR STOP CONTROL. DETECTABLE WARNING SURFACES SHALL NOT BE PROVIDED AT CROSSINGS OF UNCONTROLLED DRIVEWAY APRONS.

14. SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. IF REQUIRED, THE BORDER SHALL NOT EXCEED 2". WHERE THE BACK OF CURB EDGE IS TOOLED TO PROVIDE A RADIUS. THE BORDER DIMENSION SHALL BE MEASURED FROM THE INSIDE EDGE OF THE CURB RADIUS.

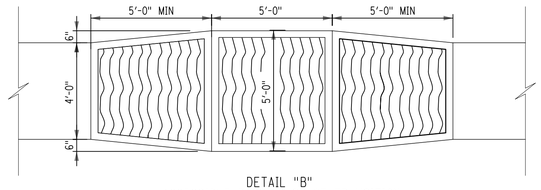
15. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT IS FOR ILLUSTRATION ONLY. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" MINIMUM IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUDING ANY FLARED SIDES. THE WIDTH OF THE DETECTABLE WARNING FIELD INCLUDES A CONCRETE BORDER, IF PROVIDED.

16. ON SLOPES OF 13% OR GREATER, THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE LOWER GRADE BREAK ON THE RAMP RUN. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON SHEET 2. ON SLOPES LESS THAN 5% DOME ORIENTATION IS LESS CRITICAL AND MAY DIFFER FROM PERPENDICULAR OR RADIAL ALIGNMENT TO THE GRADE BREAK.

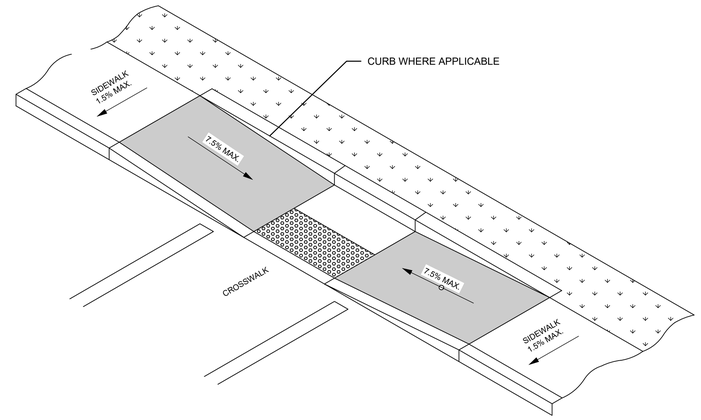
17. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. DETECTABLE WARNING SURFACES SHALL CONSIST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.



DETAIL "A"
ACCESSIBLE PASSING SPACE TRANSITION
ONE SIDE TAPERS



DETAIL "B"
ACCESSIBLE PASSING SPACE TRANSITION
BOTH SIDES TAPER



CURB RAMP TYPE 9

ITEM 2A & 2B

NOT TO SCALE

DESIGN ELEMENT TOLERANCES		
ELEMENT	DESIGN AND FIELD LAYOUT LIMIT	LIMIT FOR WORK ACCEPTANCE
SIDEWALK CROSS SLOPE - SEE NOTE 12	1.5% MAX.	2.0% MAX.
SIDEWALK GRADE (RUNNING SLOPE) - SEE NOTE 11	4.5% MAX.	5.0% MAX.
CURB RAMP GRADE (RUNNING SLOPE) - SEE NOTE 21	7.5% MAX.	8.3% MAX.
BLENDED TRANSITION GRADE (RUNNING SLOPE) - SEE NOTE 7	4.5% MAX.	5.0% MAX.

ALL VALUES SHOWN ON THE 608-01 STANDARD SHEETS REFER TO DESIGN AND FIELD LAYOUT LIMITS.

FOR ADDITIONAL REQUIREMENTS AND TOLERANCES, SEE "CRITICAL ELEMENTS FOR THE DESIGN, LAYOUT, AND CONSTRUCTION OF PEDESTRIAN FACILITIES" AVAILABLE ON THE NYSDOT HIGHWAY DESIGN MANUAL CHAPTER 18 WEBSITE.

NOTE: ALL CONCRETE CURB RAMPS SHALL BE PAID FOR UNDER ITEM 2A. DETECTABLE WARNING SURFACES SHALL BE PAID FOR UNDER ITEM 2B.

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3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

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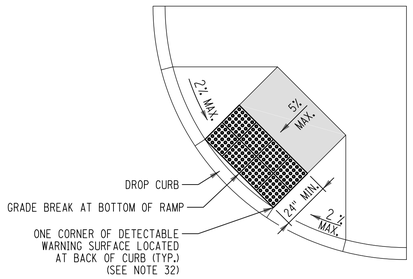
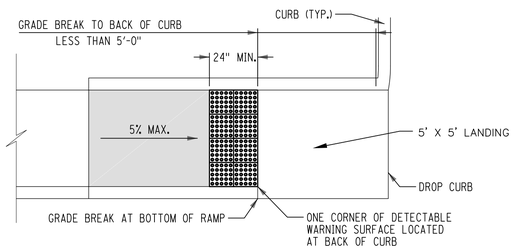
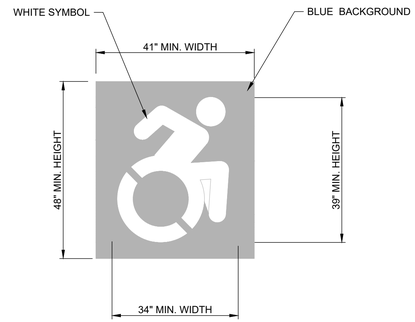


OPTION 1

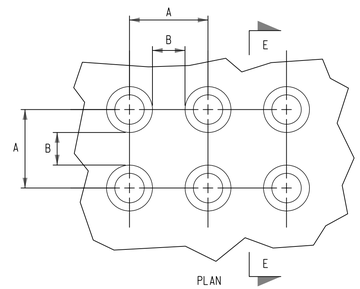


OPTION 2

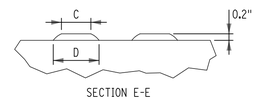


INTERNATIONAL SYMBOL OF ACCESSIBILITY PAVEMENT MARKING DETAIL

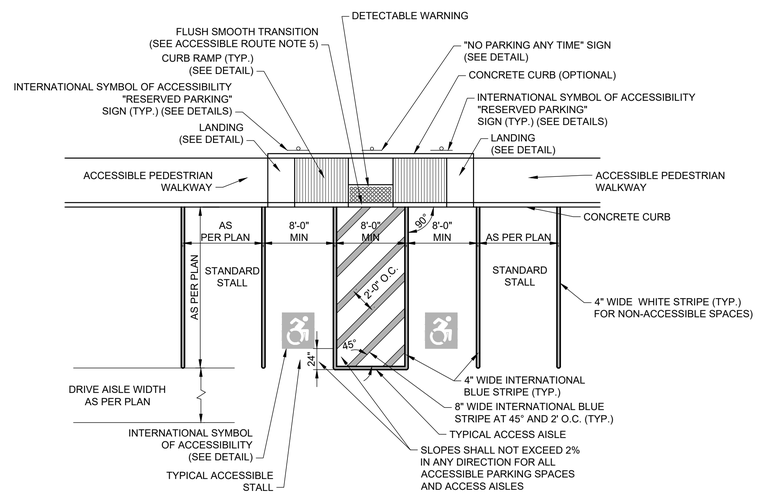
NOT TO SCALE



TRUNCATED DOME DIMENSIONS		
DIM.	MIN. (IN)	MAX. (IN)
A	1.6"	2.4"
B	0.65"	1.5"
C	50% - 65% OF D DIM.	
D	0.9"	1.4"



DETECTABLE WARNING SURFACE (DWS) TRUNCATED DOME DETAILS



TYPICAL ACCESSIBLE PARKING LAYOUT

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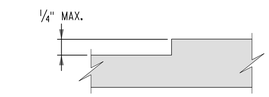
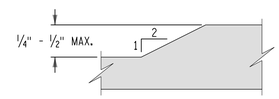
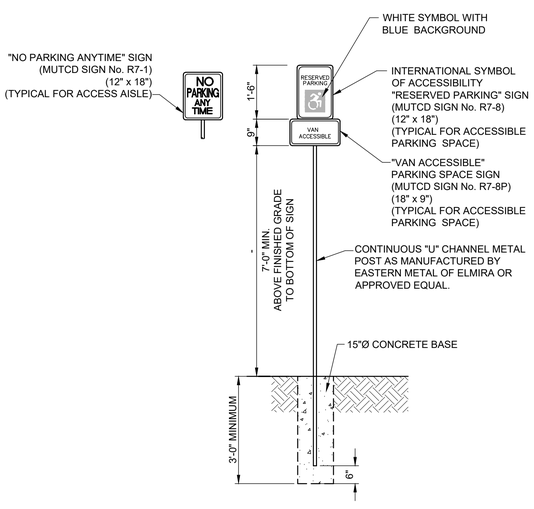




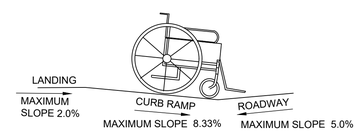
VERTICAL SURFACE DISCONTINUITIES

SEE NOTE 6 ON SHEET 1 OF 9



ACCESSIBLE PARKING SPACE AND ACCESS AISLE SIGN DETAIL

NOT TO SCALE



COUNTER SLOPE CONDITIONS DETAIL

NOT TO SCALE

NOTE:
THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, LANDING, OR BLENDED TRANSITION SHALL BE 5.0% MAXIMUM.

NOTES:

1. THE ABOVE DETAIL IS INTENDED TO PROVIDE A TYPICAL ACCESSIBLE PARKING LAYOUT. REFER TO PLAN FOR SPECIFIC LAYOUT OF ACCESSIBLE PARKING, ACCESS AISLE, CURB RAMP TYPES AND LOCATIONS, AND ACCESSIBLE ROUTE.
2. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF AN A APPROVED PAINT AND SHALL BE APPLIED TO A MINIMUM WET FILM THICKNESS OF 15 MILS.
3. PAVEMENT MARKINGS SHALL BE PAINTED AS REQUIRED BY THE LOCAL CODE OR SPECIFIED BY THE OWNER.
4. THE PAVEMENT MARKINGS SHALL BE MAINTAINED PERMANENTLY ON THE PAVEMENT SURFACE IN THE LAYOUT SHOWN ON THE APPROVED PLAN.
5. THE WIDTH OF THE STALLS SHOWN SHALL BE MEASURED FROM THE CENTERLINE OF THE MARKINGS.
6. INTERNATIONAL SYMBOL OF ACCESSIBLITY "RESERVED PARKING" SIGNAGE MAY BE PLACED 2 FOOT BEHIND THE FACE OF CURB IF THE REQUIRED CLEAR SPACE BEHIND THE SIGN IS PROVIDED FOR THE ACCESSIBLE ROUTE. (SEE ACCESSIBLE ROUTE NOTES).

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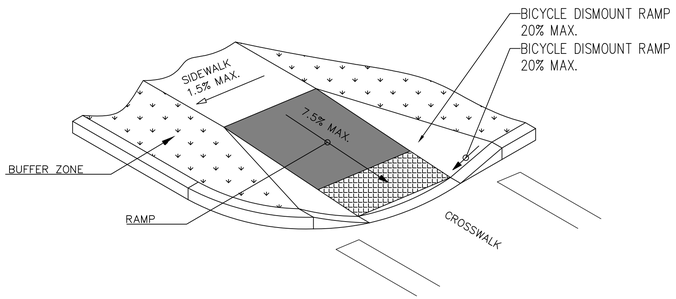
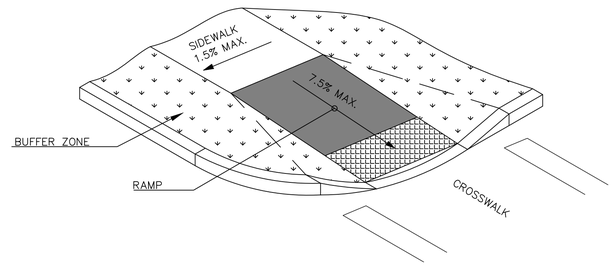
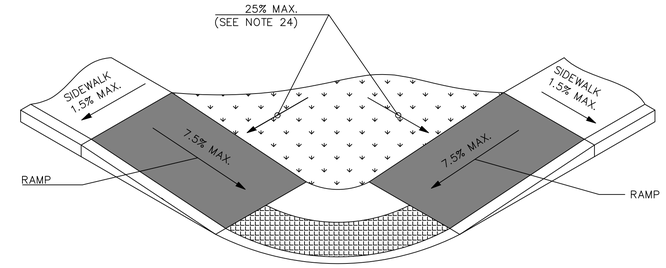


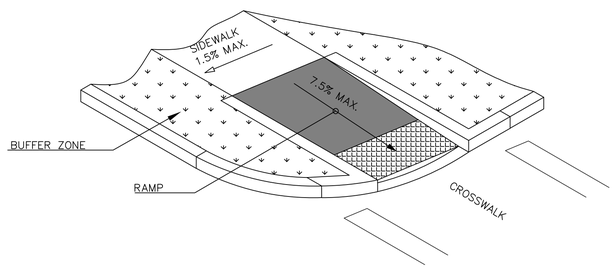
OPTION A: FLARED CONCRETE



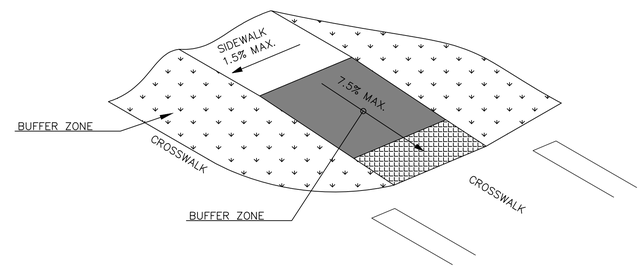
OPTION B: GRADED EARTH



OPTION A: GRADED EARTH AND TURF

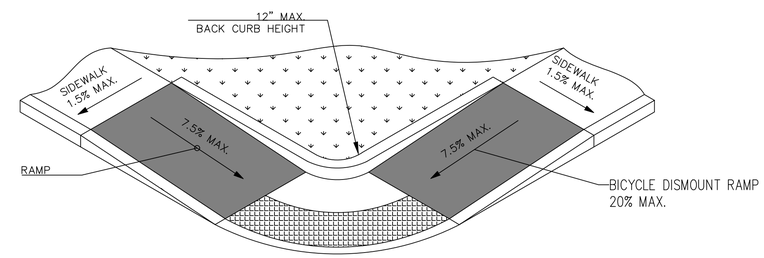


BICYCLE DISMOUNT RAMP



OPTION D: UNCURBED INTERSECTION

RAMP SIDE CONFIGURATIONS



OPTION B: BACK CURB

PARALLEL RAMP BACK TREATMENTS

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS.	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:

NELSON+POPE
engineers • architects • surveyors
70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com

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DWN. BY:	JAR
CHK'D BY:	JD
DATE:	MARCH 2021
JOB No.:	18311
CADD:	18311_SP.DWG
SCALE:	AS SHOWN

DRAWING TITLE:

SIDEWALK RAMP DETAILS - 3

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DRAWING NUMBER:

RD-3

SHEET: 11 OF 12

ACCESSIBILITY NOTES:

GENERAL NOTES:

1. SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN (ADAAG), BUILDING CODE OF NEW YORK STATE (BCNYS), AND APPLICABLE LOCAL LAWS AND REGULATIONS, LATEST EDITIONS.
2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS. NELSON & POPE HAS DEVELOPED THESE NOTES AND DETAILS TO ASSURE THAT CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHEN THEY ARE BIDDING THE PROJECT. IN ADDITION, NELSON & POPE HAS MADE A POINT IN THESE NOTES AND DETAILS, AS WELL AS IN OUR DRAWINGS, TO PROVIDE SLOPES / GRADES AND DIMENSIONS THAT COMPLY WITH THE ADAAG, BCNYS AND APPLICABLE LOCAL LAWS AND REGULATIONS, LATEST EDITIONS. IF THESE SLOPES / GRADES AND DIMENSIONS ARE NOT ACHIEVABLE, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER IMMEDIATELY AND BEFORE MOVING FORWARD WITH THE WORK.
3. THE CONTRACTOR SHALL NOTIFY NELSON & POPE IMMEDIATELY OF ANY CONFLICT BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETHER BY NELSON & POPE OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK FOR WHICH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HAS BEEN RESOLVED. NO CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY DAMAGES AS A RESULT OF RESOLUTION OF ANY SUCH CONFLICT(S).
4. THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

ACCESSIBLE ROUTE NOTES:

1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS OR SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY THEY SERVE.
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
3. WALKING SURFACES SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.
4. ANY WALKING SURFACE WITH A RUNNING SLOPE GREATER THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS.
5. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL).
6. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
7. THE MINIMUM CLEAR WIDTH SHALL BE THIRTY-TWO (32) INCHES FOR A ROUTE SEGMENT LENGTH LESS THAN TWENTY-FOUR (24) INCHES. CONSECUTIVE SEGMENTS OF THIRTY-TWO (32) INCHES IN WIDTH MUST BE SEPARATED BY A ROUTE SEGMENT FORTY-EIGHT (48) INCHES MINIMUM IN LENGTH AND THIRTY-SIX (36) INCHES MINIMUM IN WIDTH.
8. THE MINIMUM CLEAR WIDTH SHALL BE THIRTY-SIX (36) INCHES FOR A ROUTE SEGMENT LENGTH GREATER THAN TWENTY-FOUR (24) INCHES.
9. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) INCHES MINIMUM APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TURN, AND FORTY-TWO (42) INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEAVING THE TURN MAY BE THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY (60) INCHES MINIMUM.
10. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE; OR AN INTERSECTION OF TWO (2) WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE, PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEYOND THE INTERSECTION.
11. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH ADAAG AND BCNYS REQUIREMENTS.
12. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE BUILDING ENTRANCE SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
14. WHERE POSSIBLE, DRAINAGE INLETS SHALL NOT BE LOCATED ON AN ACCESSIBLE ROUTE. IN THE EVENT THAT A DRAINAGE INLET MUST BE LOCATED ON AN ACCESSIBLE ROUTE, THE GRATE SHALL COMPLY WITH ADAAG REQUIREMENTS.

RAMP NOTES:

1. ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.
2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
3. THE CLEAR WIDTH OF A RAMP RUN SHALL BE THIRTY-SIX (36) INCHES MINIMUM. WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
4. THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.
5. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM.
6. RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES OR A HORIZONTAL PROJECTION GREATER THAN SEVENTY-TWO (72) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH ADAAG AND BCNYS REQUIREMENTS.
7. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.
8. EDGE PROTECTION COMPLYING WITH ADAAG AND BCNYS REQUIREMENTS SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
9. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY ADAAG AND BCNYS REQUIREMENTS SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. WHERE DOORS THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS SHALL BE SIZED TO PROVIDE A COMPLIANT TURNING SPACE.

CURB RAMP NOTES:

1. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
3. THE CLEAR WIDTH OF A CURB RAMP SHALL BE SIXTY (60) INCHES MINIMUM, EXCLUSIVE OF FLARED SIDES, IF PROVIDED.
4. LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.
5. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.
6. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT EXCEED 10%. IF THE CLEAR LENGTH OF THE LANDING IS LESS THAN FORTY-EIGHT (48) INCHES THAN THE SLOPE OF THE FLARED SIDES SHALL NOT EXCEED 8.33%.
7. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES. CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
9. CURB RAMPS SHALL HAVE A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH ADAAG, EXTENDING THE FULL WIDTH OF THE RAMP. REFER TO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AND NOTES.
10. FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, ½ INCH WIDE BY ¼ INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.
11. WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.
12. WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK AND NOT ON THE SIDEWALK.
13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE RAMP AREA.
14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

PARKING SPACE NOTES:

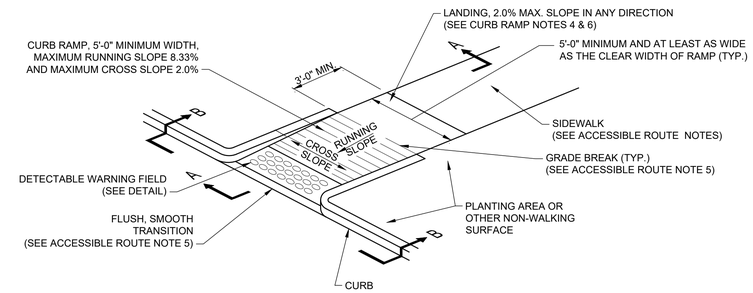
1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.
2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. WHERE PARKING SPACES AND ACCESS AISLES ARE MARKED WITH LINES, THE WIDTH MEASUREMENTS SHALL BE MADE FROM CENTERLINE OF THE MARKINGS. WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLES, MEASUREMENTS SHALL BE PERMITTED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE.
3. PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FOR ACCESSIBLE ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.
4. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE.
5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
6. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
7. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
8. FLOOR SURFACES OF PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
11. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. EACH ACCESS AISLE SHALL BE PROVIDED WITH SIGNAGE READING "NO PARKING ANYTIME". SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN SIXTY (60) INCHES AND EIGHTY-FOUR (84) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AISLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.
13. ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING, AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED BLUE.

PASSENGER LOADING ZONE NOTES:

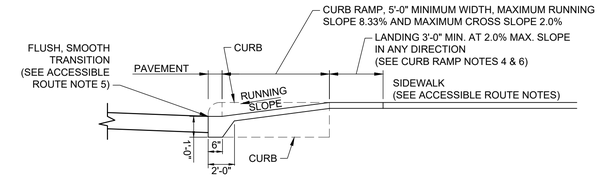
1. PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.
2. PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AISLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY SERVE.
3. ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY.
4. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES NO EXCEEDING 2.0% IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
5. FLOOR SURFACES OF VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT.
6. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SERVING THEM, SHALL PROVIDE A VERTICAL CLEARANCE OF ONE HUNDRED FOURTEEN (114) INCHES MINIMUM.

ACCESSIBLE ENTRANCE NOTES:

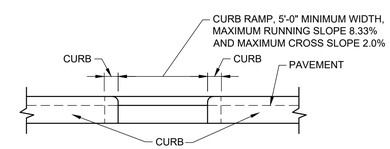
1. ACCESSIBLE ENTRANCES SHALL BE PROVIDED AS REQUIRED BY ADAAG AND BCNYS REQUIREMENTS.
2. ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH ADAAG AND BCNYS REQUIREMENTS AND SHALL BE ON AN ACCESSIBLE ROUTE.



SIDEWALK CURB RAMP DETAIL
TYPE 10
NOT TO SCALE



SECTION A-A



SECTION B-B

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
4	8/03/22	MODIFY LIGHTING, LANDSCAPING, ALIGN	KVH
3	5/05/22	MODIFY LIGHTING, SIDEWALK WIDTH, ELIMINATE TURN AROUND, ADD PLANTING STRIP @ BEAVER DAM FENCE, RELOCATE EXISTING BIKE RACK, MODIFY BEAVER DAM PAVEMENT MARKINGS	KVH
2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

SEAL:

CONSULTANT:
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engineers • architects • surveyors
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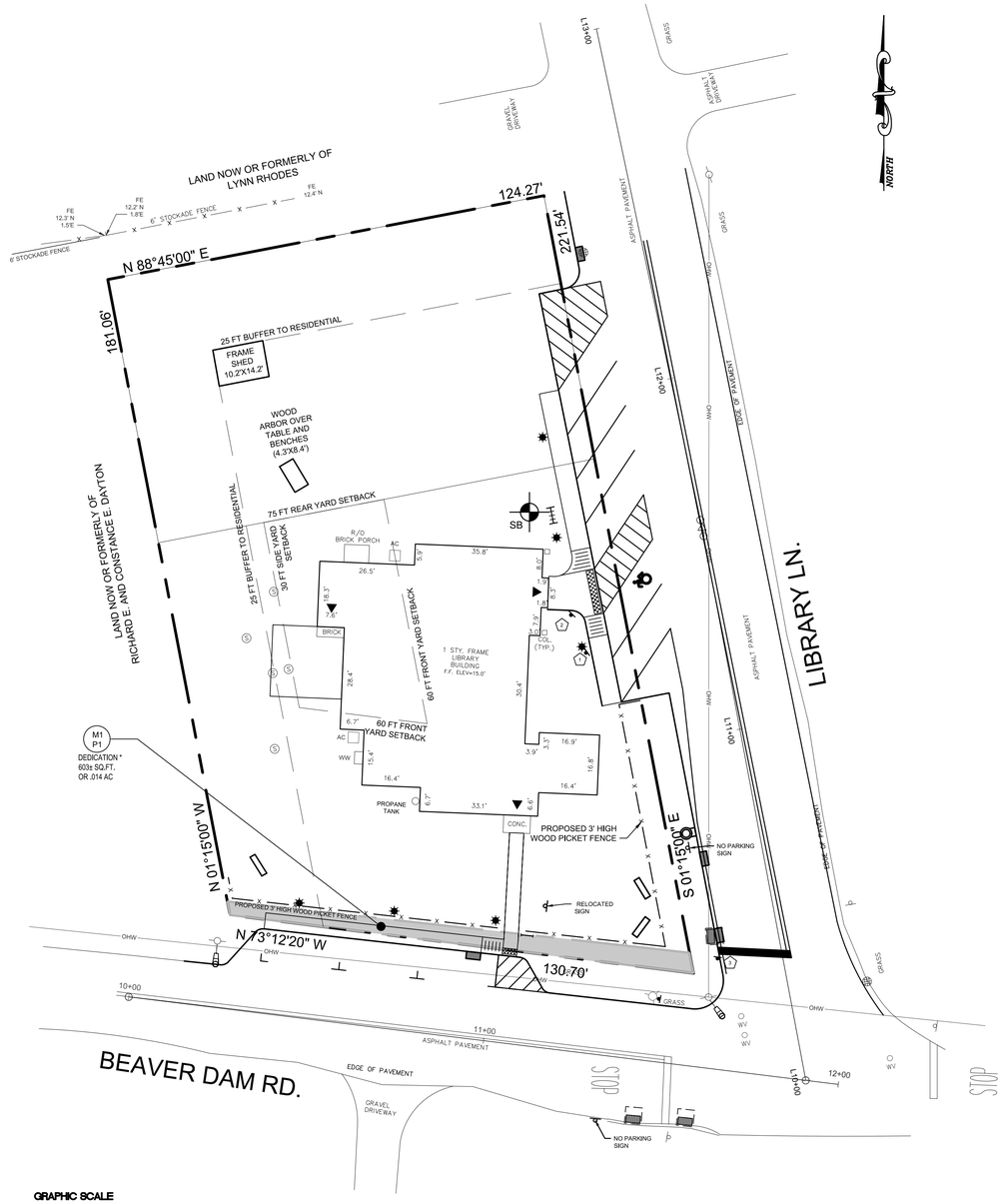

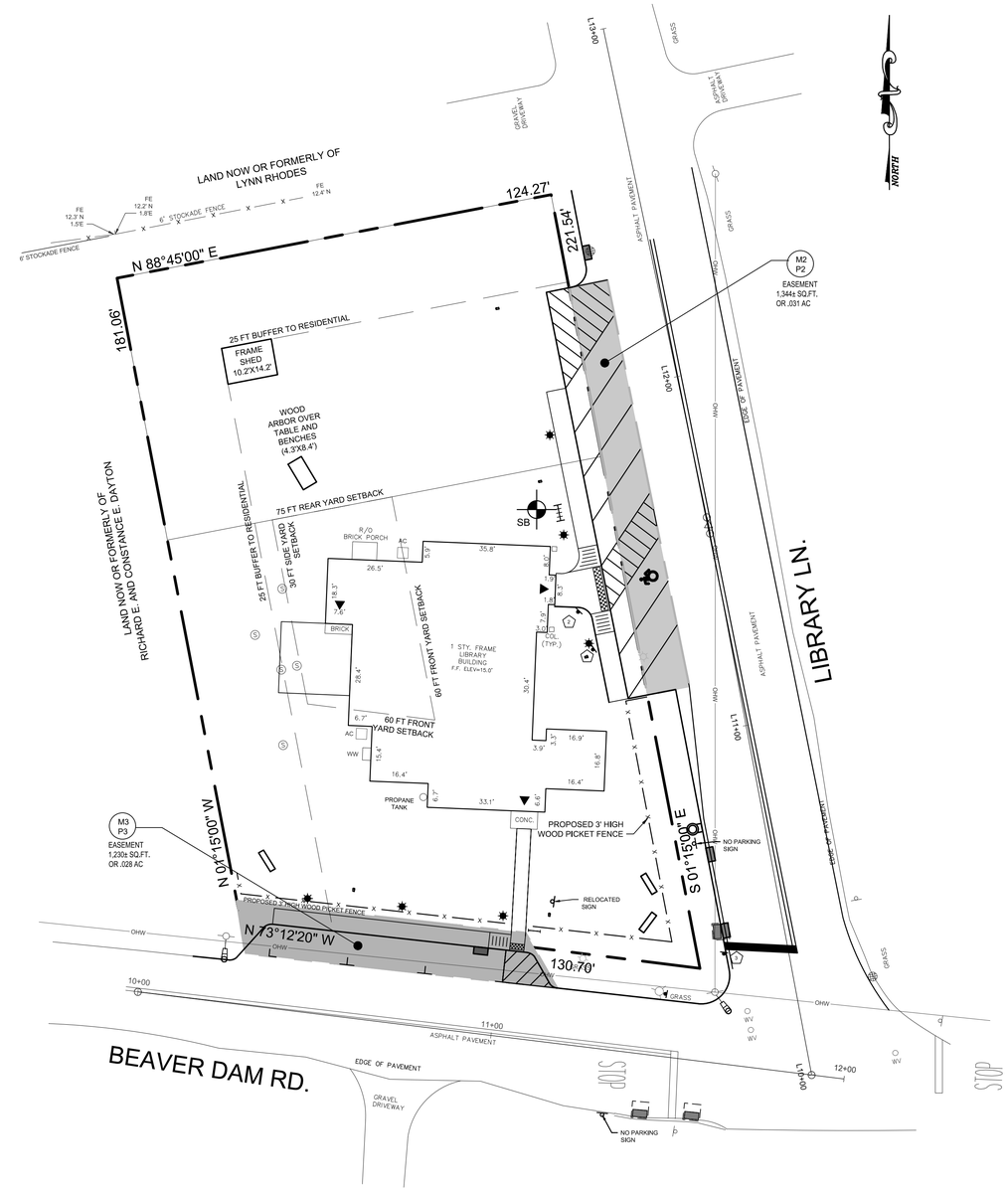

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 INCH = 20 FEET

DATUM IS SHOWN IN NAVD 1988

No.	DATE	REVISION	BY:
5	08/22/22	REVISED LIGHTING, ALIGN, LANDSCAPING	KVH
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2	3/28/22	REV. PICKET FENCE TO WHITE WOOD	KVH
1	2/11/22	HDAC AND PLANNING COMMENTS	KVH

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STATE OF NEW YORK
JOHN DAVID
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