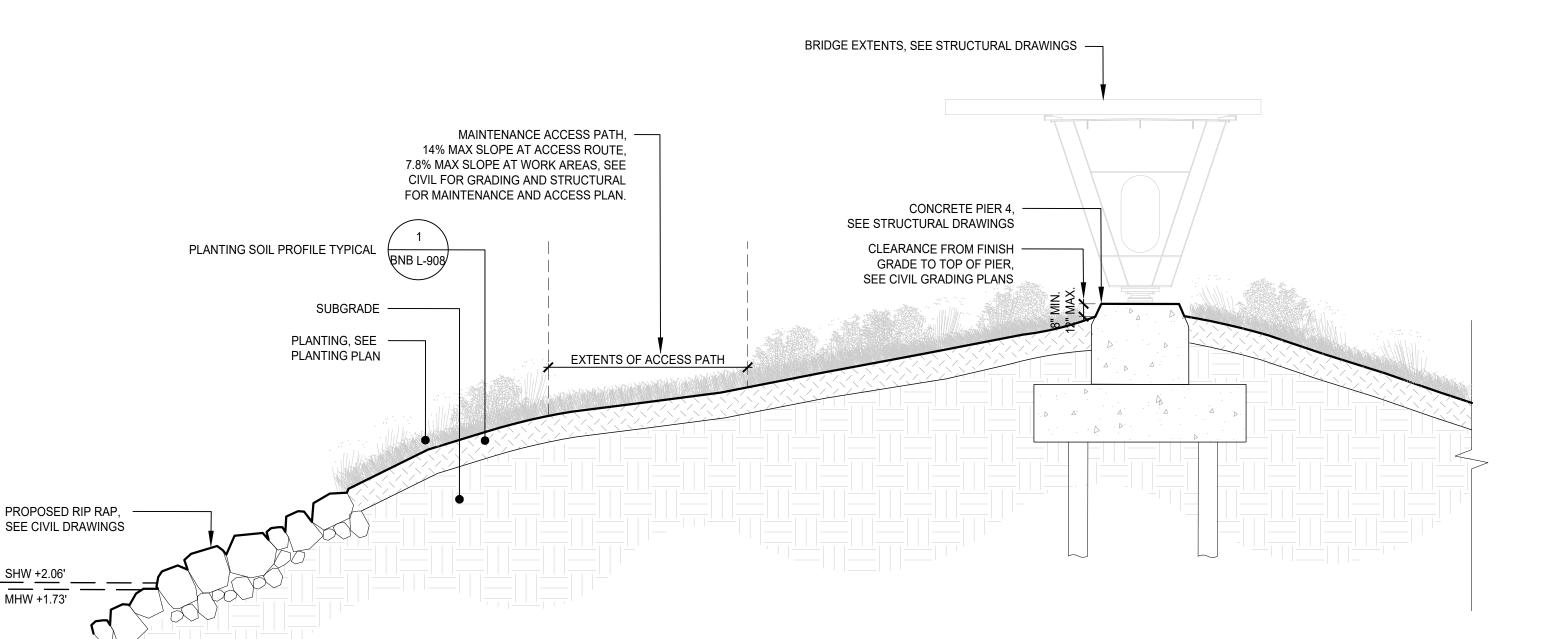


KEY PLAN

- 1. THE (NADV88) TIDAL ELEVATION DATA DEPICTED IS DERIVED FROM OPPOSITE ENDS OF THE FJORD TRAIL (BEACON / COLD SPRING) WHICH SUGGEST A SLIGHT FLUCTUATION BETWEEN TIDE STATIONS ALONG THE HUDSON RIVER. NORMAL TIDE ELEVATIONS (EXCLUDING EXTREME ASTRONOMICAL TIDES) RANGE BETWEEN APPROXIMATELY +1.75 AND 1.45. THE TIDAL INFORMATION IN THE SECTIONS BELOW IS AVERAGED FROM ELEVATIONS AT COLD SPRING AND BEACON IROM THE ONLINE VERSION OF NOAA'S VDATUM SOFTWARE AT LOCATIONS ADJACENT TO EACH TOWN USING VDATUM'S ONLINE MAP. COLD SPRING, NY: \*LATITUDE 41.41656 N, LONGITUDE -073.96317 W AND BEACON, NY STATION: \*LATITUDE 41.497574 N, LONGITUDE -073.965229 W SOURCE: VDATUM.NOAA.GOV/VDATUMWEB/.
- 2. SECTIONS ARE SHOWN TO DEPICT RELATIONSHIPS BETWEEN PROPOSED ELEMENTS. REFER TO ASSEMBLY AND DETAIL DRAWINGS FOR MORE INFORMATION. THE SECTIONS AND DETAILS ARE TO BE UTILIZED IN CONCERT TO FULLY INTERPRET THE DESIGN INTENT. THE CONTRACTOR SHALL SEEK CLARIFICATION FROM THE LANDSCAPE ARCHITECT IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE SECTIONS AND DETAILS.
- 3. ALL GRADING INFORMATION IS SHOWN FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR GRADING PLANS.
- 4. SEE CIVIL PLANS FOR SOIL EMBANKMENT AND STABILIZATION REQUIREMENTS.
- 5. SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- 6. SEE L-001 FOR ADDITIONAL NOTES.



BRIDGE EXTENTS, SEE STRUCTURAL DRAWINGS — CONCRETE PIER 3, — SEE STRUCTURAL **DRAWINGS** CLEARANCE FROM FINISH -SHOTCRETE RETAINING WALL GRADE TO TOP OF PIER, PIER 2 - AT CELLULAR BNB L-906 CONCRETE SEE CIVIL GRADING PLANS PLANTING, SEE PLANTING PLAN ——— TW 18.50 +/- VARIES PLANTING SOIL AT CELLULAR CONCRETE DRAINAGE STONE, SEE CIVIL DRAWINGS MINIMUM PLANTING SOIL DEPTH 11.06 TOP OF PILE CAP, SEE STRUCTURAL SUBGRADE -- CELLULAR CONCRETE; SEE CIVIL DRAWINGS BEARING PAD, SEE STRUCTURAL DRAWINGS \_-PROPOSED RIP RAP, AGGREGATE SURFACING, SEE MATERIALS PLANS SEE CIVIL DRAWINGS

Governor Kathy Hochul

Commissioner Erik Kulleseid

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Client HUDSON HIGHLANDS FJORD TRAIL ONE CIVIC CENTER PLAZA, SUITE 200 POUGHKEEPSIE, NY 12601

Hudson Highlands Fjord Trail

Client Representative

ABOUT THE WORK 40 EXCHANGE PLACE, SUITE 1708, NEW YORK, NY 10005

**Nout** 

Structural & Electrical Engineer of Record

ARUP US, INC. 77 WATER ST, NEW YORK, NEW YORK 10005

Landscape Architect

SCAPE LANDSCAPE ARCHITECTURE DPC

277 BROADWAY 9TH FLOOR, NEW YORK, NY 10007

Survey

BADEY & WATSON 3036 ROUTE 9, COLD SPRING, NY 10516

Architect

FAST + EPP

GRAY ORGANSCHI

35 CROWN STREET, NEW HAVEN, CT 06510

GRAY ORGANSCHI ARCHITECTURE

Civil, Traffic, Geotech & Permitting Engineer

LANGAN 360 WEST 31ST STREET, 8TH FL, NEW YORK, NY 10001

Structural Scheme Design

Fast+Epp 411 EAST 11TH STREET, 11TH FLOOR, NEW YORK, NY 10003

The Hudson Highlands Fjord **Project Title:** Trail Breakneck Bridge

Dutchess County

Name of Region: New York

Town of Fishkill

Project Location: Dutchess County New York



## **Contract Numbers**

GC Contract Number: HVAC Contract Number: D-Plumbing Contract Number: D-Electrical Contract Number: D-

**REVISIONS** Rev. No Description Date 100% CONSTRUCTION DOCUMENTS

Seal and Signature Drawn By:

Design By: SCAPE

SCAPE

Approved By: SCAPE

Checked By:

Date: 08/23/2023

Drawing Number: Sheet Title:

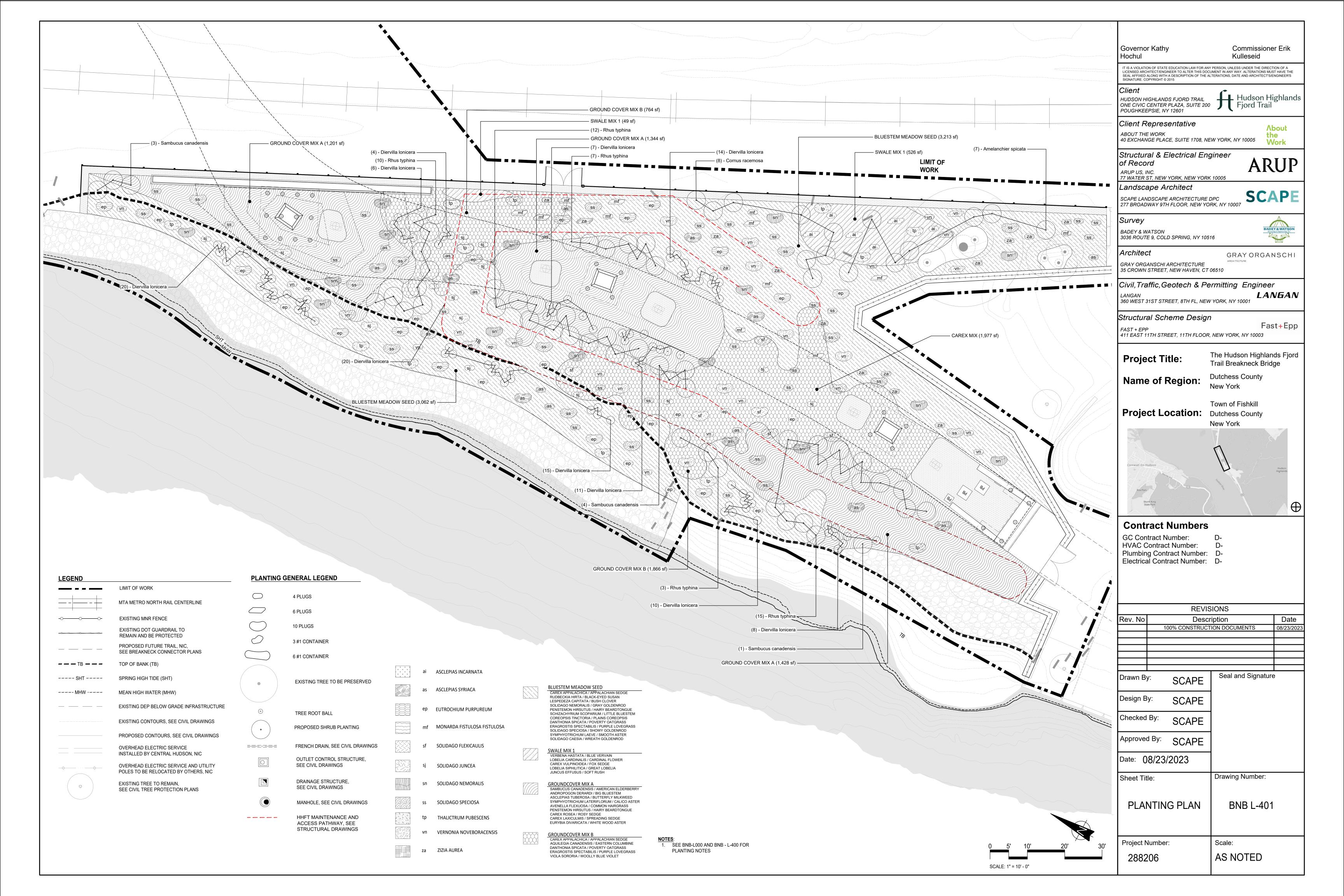
**BNB L-800** 

SITE SECTIONS

Project Number: Scale: AS NOTED 288206

SECTION PIER 3 WEST SCALE: 1" = 5'

/ SCALE: 1" = 5'



PLANTING SCHEDULE								
SHRUBS	QUANTITY	CODE	BOTANICAL	COMMON	SIZE	CONDITION	SPACING	NOTES
	8		AMELANCHIER SPICATA	DWARF SERVICEBERRY	#3	CONT.	AS SHOWN	FULL SPECIMEN
	9		CORNUS RACEMOSA	GRAY DOGWOOD	#3	CONT.	AS SHOWN	FULL SPECIMEN
	96		DIERVILLA LONICERA	DWARF BUSH HONEYSUCKLE	#3	CONT.	AS SHOWN	FULL SPECIMEN
	49		RHUS TYPHINA	STAGHORN SUMAC	#3	CONT.	AS SHOWN	FULL SPECIMEN
	9		SAMBUCUS CANADENSIS	AMERICAN ELDERBERRY	#3	CONT.	AS SHOWN	FULL SPECIMEN
PERRENIALS	QUANTITY	CODE	BOTANICAL	COMMON	SIZE	CONDITION	SPACING	NOTES
	123	ai	ASCLEPIAS INCARNATA	SWAMP MILKWEED	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	110	as	ASCLEPIAS SYRIACA	COMMON MILKWEED	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	27		AVENELLA FLEXUOSA	COMMON HAIRGRASS	#2	CONT.	AS SHOWN	SEE L-402
	265	ер	EUTROCHIUM PURPUREUM	JOE PYE WEED	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	62	mf	MONARDA FISTULOSA FISTULOSA	WILD BERGAMOT	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	46		PANICUM VIRGATUM	SWITCH GRASS	#2	CONT.	AS SHOWN	SEE L-402
	55	sf	SOLIDAGO FLEXICAULIS	ZIGZAG GOLDENROD	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	82	sj	SOLIDAGO JUNCEA	EARLY GOLDENROD	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	150	sn	SOLIDAGO NEMORALIS	GRAY GOLDENROD	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	250	SS	SOLIDAGO SPECIOSA	SHOWY GOLDENROD	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	120	tp	THALICTRUM PUBESCENS	TALL MEADOW RUE	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	167	vn	VERNONIA NOVEBORACENSIS	COMMON IRONWEED	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	64	za	ZIZIA AUREA	GOLDEN ALEXANDER	PLUG	PLUG	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED

PERRENIAL MIXES								
BLUESTEM MEADOW SEED MIX	QUANTITY	% FILL	BOTANICAL	COMMON	SIZE	CONDITION	SPACING	NOTES
	628 SF	10%	CAREX APPALACHICA	APPALACHIAN SEDGE	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	314 SF	5%	COREOPSIS TINCTORIA	PLAINS COREOPSIS	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	941 SF	15%	DANTHONIA SPICATA	POVERTY OATGRASS	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	314 SF	5%	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	314 SF	5%	LESPEDEZA CAPITATA	BUSH CLOVER	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	188 SF	3%	PENSTEMON HIRSUTUS	HAIRY BEARDTONGUE	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	314 SF	5%	RUDBECKIA HIRTA	BLACK-EYED SUSAN	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	3138 SF	50%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	126 SF	2%	SOLIDAGO CAESIA	WREATH GOLDENROD	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	314 SF	5%	SOLIDAGO NEMORALIS	GRAY GOLDENROD	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
	314 SF	5%	SYMPHYOTRICHUM LAEVE	SMOOTH ASTER	SEED	SEED		SEED AT 40 LBS/ ACRE PER SPECIFICATIONS
SWALE MIX 1	299	50%	CAREX VULPINOIDEA	FOX SEDGE	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	48	8%	JUNCUS EFFUSUS	SOFT RUSH	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	36	6%	LOBELIA CARDINALIS	CARDINAL FLOWER	#1	CONT.	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	60	10%	LOBELIA SIPHILITICA	GREAT LOBELIA	#1	CONT.	12" 0.C.	FULL PLANTS EVENLY DISTRIBUTED
	60	10%	VERBENA HASTATA	BLUE VERVAIN	PLUG	DP50	12" 0.C.	FULL PLANTS EVENLY DISTRIBUTED
GROUNDCOVER MIX A	207	5%	ANDROPOGON DERARDI	BIG BLUESTEM	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	413	10%	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	826	45%	AVENELLA FLEXUOSA	COMMON HAIRGRASS	#1	CONT.	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	207	5%	CAREX LAXICULMIS	SPREADING SEDGE	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	929	10%	CAREX ROSEA	ROSY SEDGE	PLUG	PLUG	8" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	207	5%	EURYBIA DIVARICATA	WHITE WOOD ASTER	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	413	10%	PENSTEMON HIRSUTUS	HAIRY BEARDTONGUE	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	207	5%	SAMBUCUS CANADENSIS	AMERICAN ELDERBERRY	#3	CONT.	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	207	5%	SYMPHYOTRICHUM LATERIFLORUM	CALICO ASTER	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
GROUND COVER MIX B	820	30%	CAREX APPALACHICA	APPALACHIAN SEDGE	PLUG	DP50	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	137	5%	AQUILEGIA CANADENSIS	EASTERN COLUMBINE	PLUG	DP51	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	274	10%	DANTHONIA SPICATA	POVERTY OATGRASS	PLUG	DP52	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	1367	50%	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	PLUG	DP53	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	137	5%	VIOLA SORORIA	WOOLLY BLUE VIOLET	PLUG	DP54	12" O.C.	FULL PLANTS EVENLY DISTRIBUTED
GROUNDCOVER MIX C	50	50%	CAREX APPALACHICA	APPALACHIAN SEDGE	PLUG	DP50	6" O.C.	FULL PLANTS EVENLY DISTRIBUTED
	50	50%	JUNCUS TEUNIS	PATH RUSH	PLUG	DP51	6" O.C.	FULL PLANTS EVENLY DISTRIBUTED

## PLANTING NOTES:

- 1. PLANT LIST & NURSERY SOURCES TO BE APPROVED BY NYS O.P.R.H.P. PRIOR TO PROCUREMENT.
- 2. COORDINATE & REFER TO SOILS PLANS PROFILES & SPECIFICATIONS FOR INFORMATION REGARDING PLANTING BED PREPARATION.
- 3. COORDINATE & REFER TO PROTECTION & REMOVALS PLANS FOR INFORMATION REGARDING THE REMOVAL OF INVASIVE SPECIES & PROTECTION OF EXISTING PLANTINGS ON SITE.
- 4. PLANTING MATERIAL TO BE CONTRACT GROWN BY NURSERY(S) EXPERIENCED IN CONSERVATION & RESTORATION.
- 5. CONTRACTOR TO ENSURE PLANTS ARE STRAIGHT SPECIES, NO CULTIVARS WILL BE ACCEPTED. SUBSTITUTIONS OF PLANT ANY PLANTING MATERIAL REQUIRES EXPRESS WRITTEN APPROVAL BY LANDSCAPE ARCHITECT.
- 6. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF EXISTING TREES. HAND/PNEUMATIC EXCAVATE WITHIN THE DRIPLINES OF EXISTING TREES.
- 7. ANY PLANTS REMAINING UNPLANTED ON THE SITE FOR MORE THAN 24 HOURS SHALL BE PROTECTED AND MAINTAINED INCLUDING BUT NOT LIMITED TO WATER AND SHADE. ANY DAMAGED PLANTS SHALL BE REPLACED AS DIRECTED, AT THE CONTRACTOR'S EXPENSE.
- 8. PRIOR TO COMMENCING PLANTING, THE CONTRACTOR SHALL STAKE OUT THE EXACT LOCATION OF THE ALL TREES FOR THE LANDSCAPE ARCHITECT'S APPROVAL. ALL PLANTING OPERATIONS AND LAYOUT SHALL PROCEED UNDER CLOSE COORDINATION WITH THE LANDSCAPE ARCHITECT. TREE LOCATIONS MAY VARY AS DIRECTED BY THE LANDSCAPE ARCHITECT IN THE FIELD. THE ACTUAL LOCATION OF PLANT MATERIALS MAY VARY DUE TO FIELD CONDITIONS. FINAL PLACEMENT OF PLANT MATERIAL SHALL BE APPROVED BEFORE PITS ARE DUG. IF INITIAL PLACEMENT IS NOT SATISFACTORY, PLANTS SHALL BE RELOCATED IN THE FIELD AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
- 9. MATERIAL WILL BE INSPECTED AND APPROVED AT PLACE OF GROWTH BY THE LANDSCAPE ARCHITECT. HOWEVER, PLANT MATERIAL WHICH HAS BECOME DAMAGED OR DISEASED OR WHICH IS UNACCEPTABLE TO THE LANDSCAPE ARCHITECT MAY BE REJECTED UPON DELIVERY TO THE SITE.
- 10. SHOULD THERE BE ANY DISCREPANCIES BETWEEN THE QUANTITIES CALLED FOR ON THE PLANT LIST AND THOSE INDICATED ON THE PLAN, THE GREATER QUANTITY SHALL GOVERN.
- 11. AT ALL TIMES, THE SITE SHALL BE KEPT NEAT AND FREE OF DEBRIS LEFT FROM THE PLANTING OPERATION.
- 12. ALL PLANT MATERIAL TO BE VIGOROUS, AND FREE OF INJURY OR DEFECTS. ALL PLANT MATERIAL TO BE TRUE REPRESENTATIVES OF THEIR SPECIES.
- 13. ALL PLANT TAGS MUST REMAIN ON THE PLANT MATERIAL UNTIL THE LANDSCAPE ARCHITECT REVIEWS THE LAYOUT AND APPROVES QUANTITIES. DO NOT REMOVE PRIOR TO ACCEPTANCE OF PUNCH LIST.

Governor Kathy Commissioner Erik Kulleseid Hochul

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Client Hudson Highlands HUDSON HIGHLANDS FJORD TRAIL ONE CIVIC CENTER PLAZA, SUITE 200 Fjord Trail

Client Representative

POUGHKEEPSIE, NY 12601

ABOUT THE WORK 40 EXCHANGE PLACE, SUITE 1708, NEW YORK, NY 10005

Structural & Electrical Engineer

of Record ARUP US, INC. 77 WATER ST, NEW YORK, NEW YORK 10005

Landscape Architect

SCAPE LANDSCAPE ARCHITECTURE DPC 277 BROADWAY 9TH FLOOR, NEW YORK, NY 10007

Survey

BADEY & WATSON 3036 ROUTE 9, COLD SPRING, NY 10516

FAST + EPP



**N**bout

Architect GRAY ORGANSCHI

GRAY ORGANSCHI ARCHITECTURE 35 CROWN STREET, NEW HAVEN, CT 06510

Civil, Traffic, Geotech & Permitting Engineer

LANGAN 360 WEST 31ST STREET, 8TH FL, NEW YORK, NY 10001

Structural Scheme Design

Fast+Epp 411 EAST 11TH STREET, 11TH FLOOR, NEW YORK, NY 10003

The Hudson Highlands Fjord **Project Title:** 

Trail Breakneck Bridge Dutchess County

Name of Region: New York

Town of Fishkill

Project Location: Dutchess County

New York



## **Contract Numbers**

GC Contract Number: HVAC Contract Number: D-Plumbing Contract Number: D-Electrical Contract Number: D-

**REVISIONS** Date Description 100% CONSTRUCTION DOCUMENTS

Seal and Signature Drawn By: SCAPE

Design By: SCAPE

SCAPE

Approved By: SCAPE

Date: 08/23/2023

Checked By:

Drawing Number: Sheet Title:

**PLANTING** SCHEDULE

**BNB L-400** 

Project Number:

288206

AS NOTED

Scale: