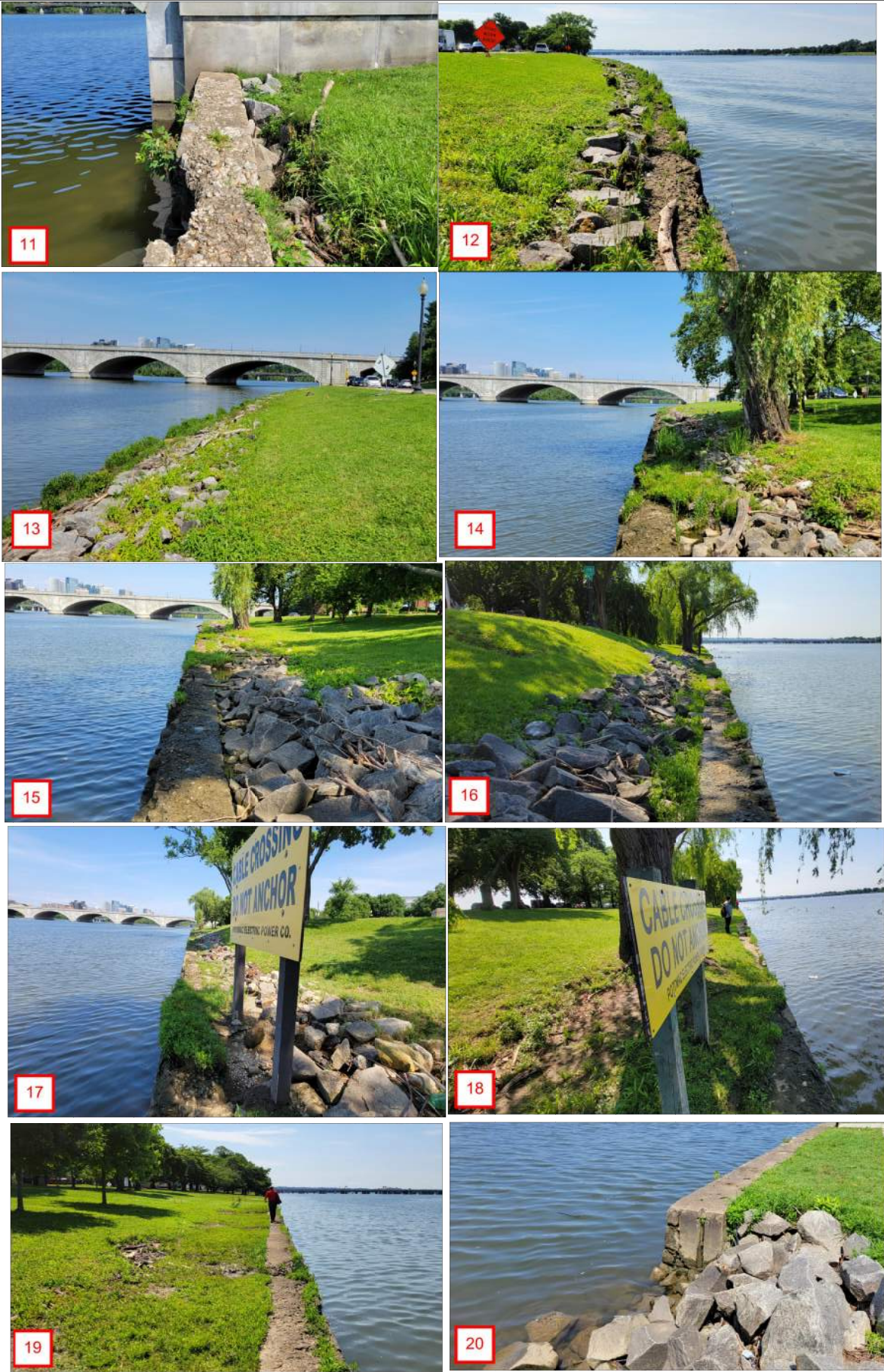

	DESIGNED:	XXX	SUB SHEET NO. 03-1	TITLE OF SHEET WPP NORTH SEGMENT PHOTO LOG 1 OF 2	DRAWING NO. 00
	TECH. REVIEW:	XXX			PMIS/PKG NO. 318722
	DATE:	AUG 2022			SHEET 1 OF 8
	NATIONAL MALL AND MEMORIAL PARKS				





	DESIGNED:	XXX	SUB SHEET NO. 03-3	TITLE OF SHEET WPP SOUTH SEGMENT PHOTO LOG 1 OF 2	DRAWING NO. 00
	TECH. REVIEW:	XXX			PMIS/PKG NO. 318722
	DATE:	AUG 2022			SHEET
					3 OF 8
					NATIONAL MALL AND MEMORIAL PARKS



DESIGNED:
XXX
GAPD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022


SUB SHEET NO.
03-4

TITLE OF SHEET
**WPP SOUTH SEGMENT
PHOTO LOG 2 OF 2**



NATIONAL MALL AND MEMORIAL PARKS

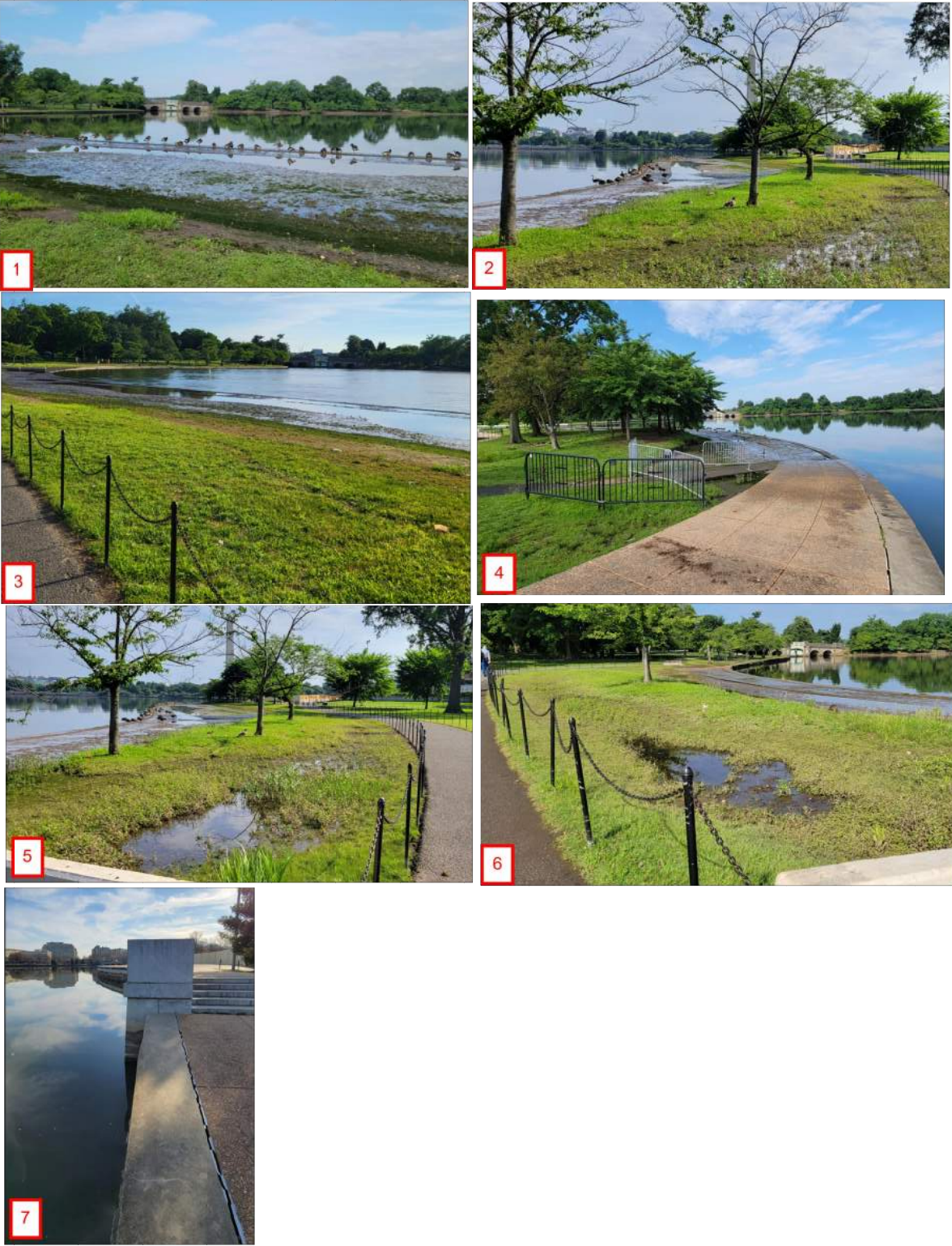
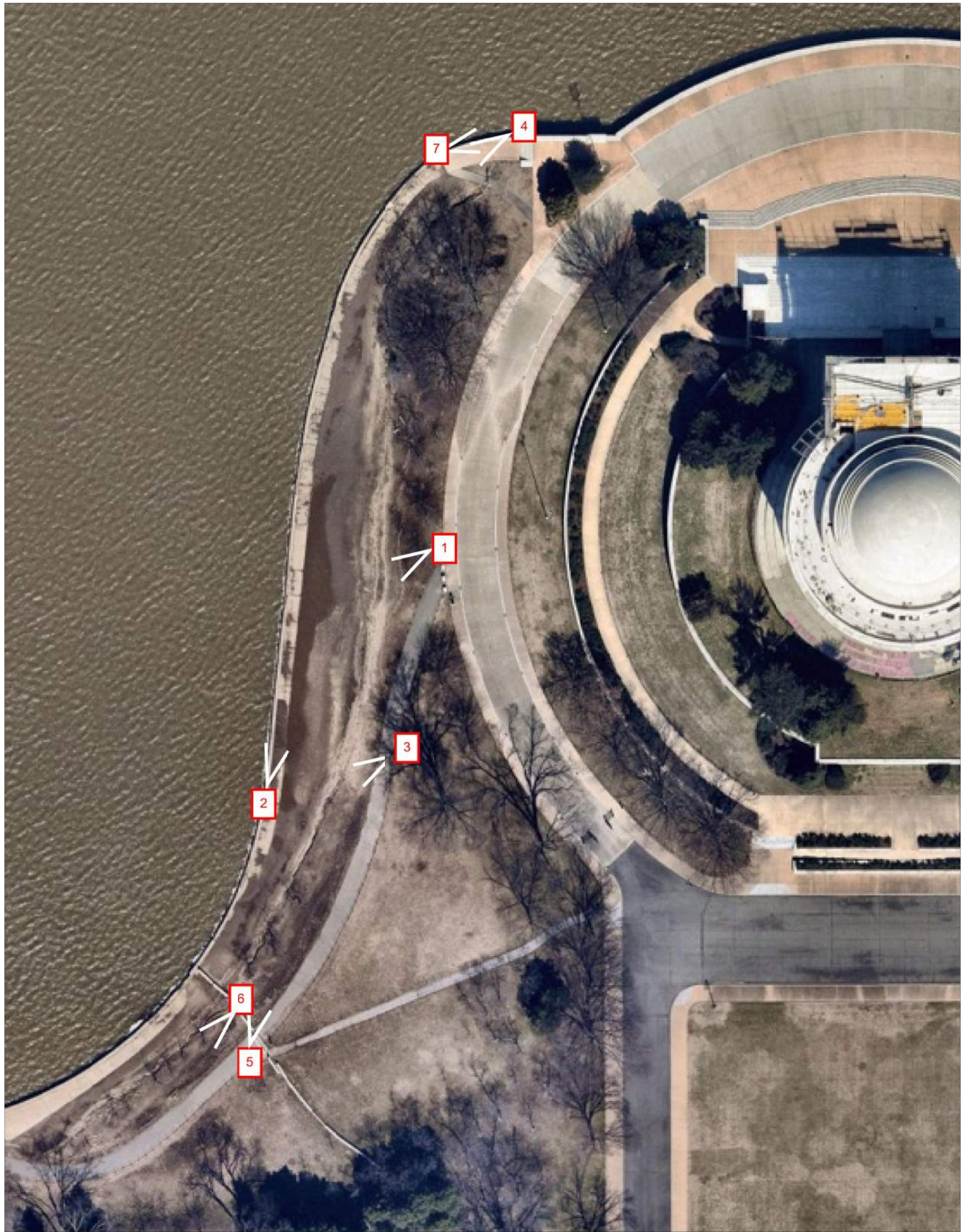
DRAWING NO.
00
03-4.DWG
PMIS/PKG NO.
318722
SHEET
4 OF **8**



	DESIGNED: XXX	SUB SHEET NO. 03-5	TITLE OF SHEET TB-W NORTH SEGMENT PHOTO LOG	DRAWING NO. 00
	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET
				5 OF 8



	DESIGNED: XXX	SUB SHEET NO. 03-6	TITLE OF SHEET TB-W SOUTH SEGMENT PHOTO LOG	DRAWING NO. 00
	 XXX			03-6.DWG
	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET
	NATIONAL MALL AND MEMORIAL PARKS			6 OF 8



DESIGNED:
XXX
GAPD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

SUB SHEET NO.

03-7

TITLE OF SHEET
TB-E NORTH SEGMENT
PHOTO LOG

NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
03-7.DWG
PMIS/PKG NO.
318722
SHEET
7 OF 8



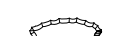

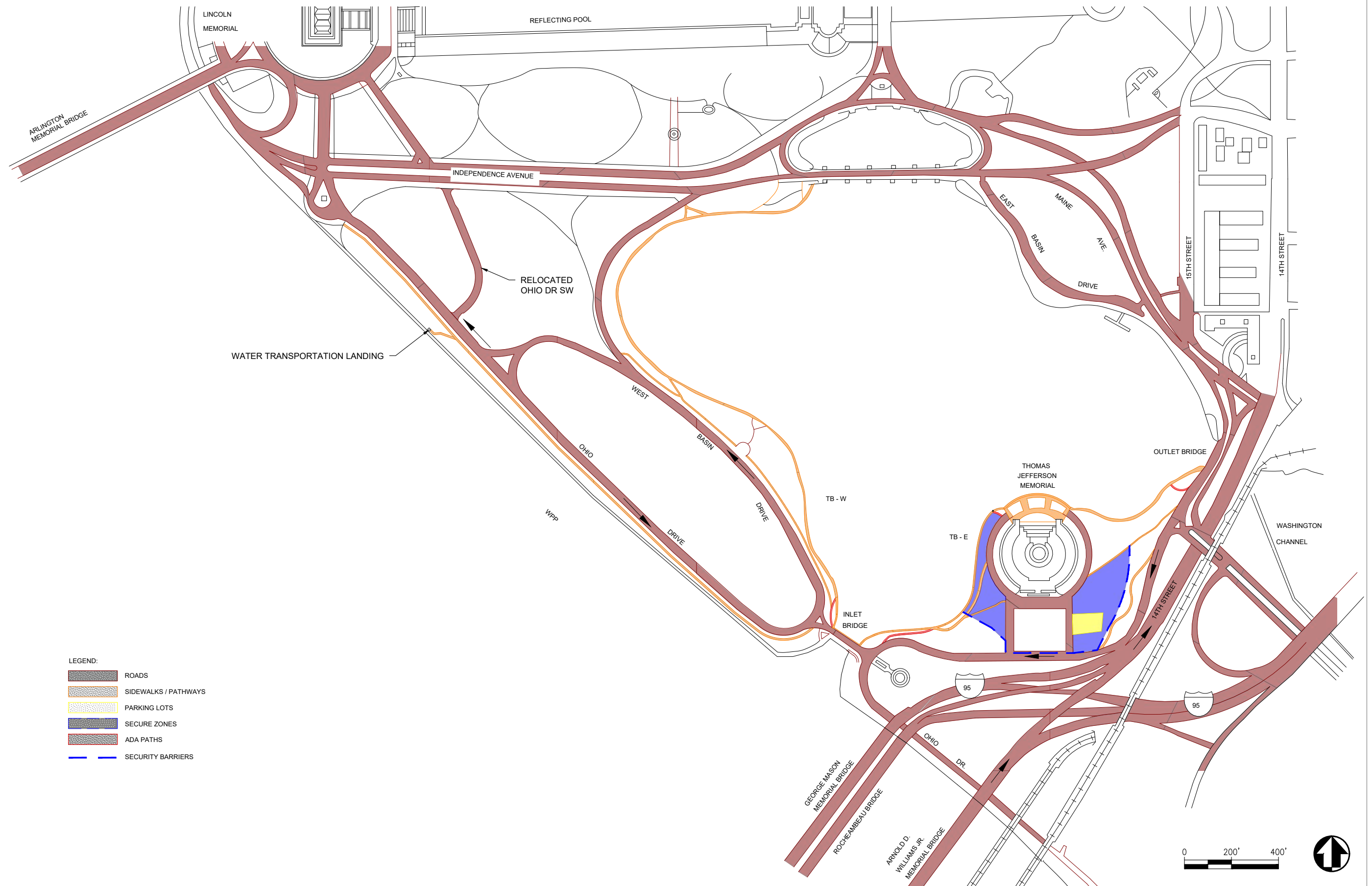

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	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET
				8 OF 8
NATIONAL MALL AND MEMORIAL PARKS				

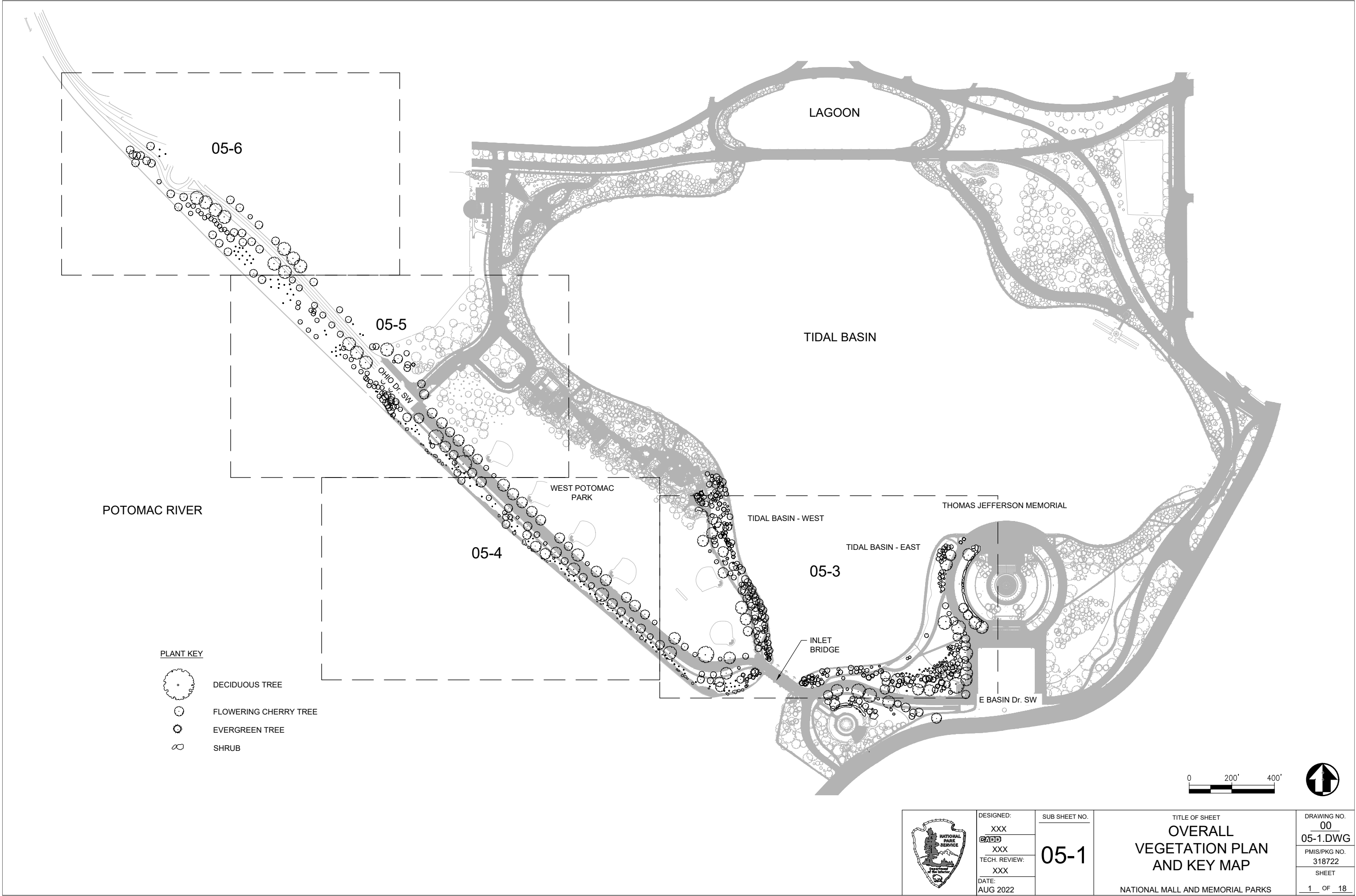
EXHIBIT 4
ACCESS AND CIRCULATION



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	CADD XXX			04.DWG
	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET
				1 OF 1

NATIONAL MALL AND MEMORIAL PARKS

EXHIBIT 5
VEGETATION



DESIGNED:
XXX
CAD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

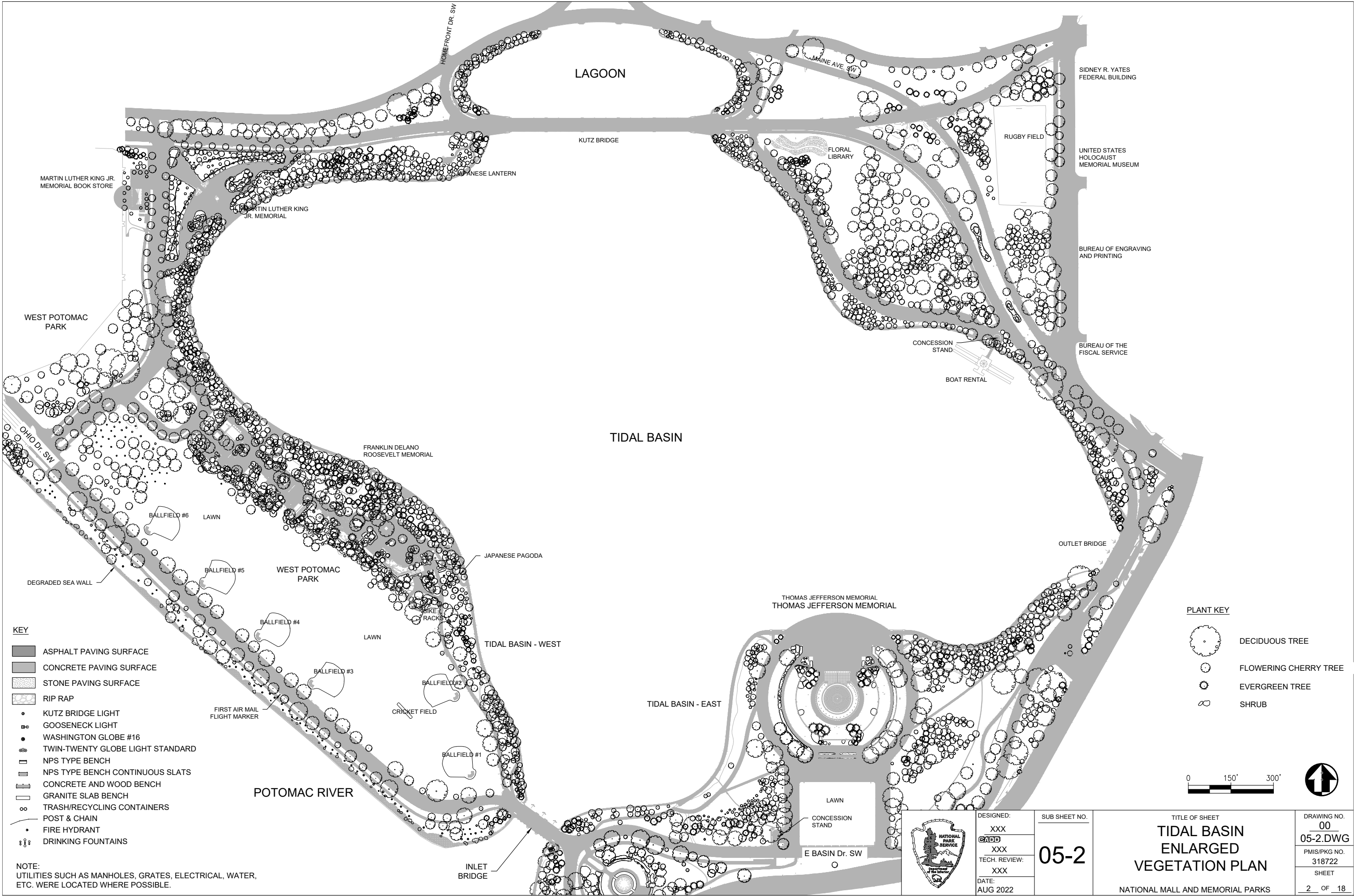
SUB SHEET NO.

05-1

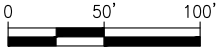
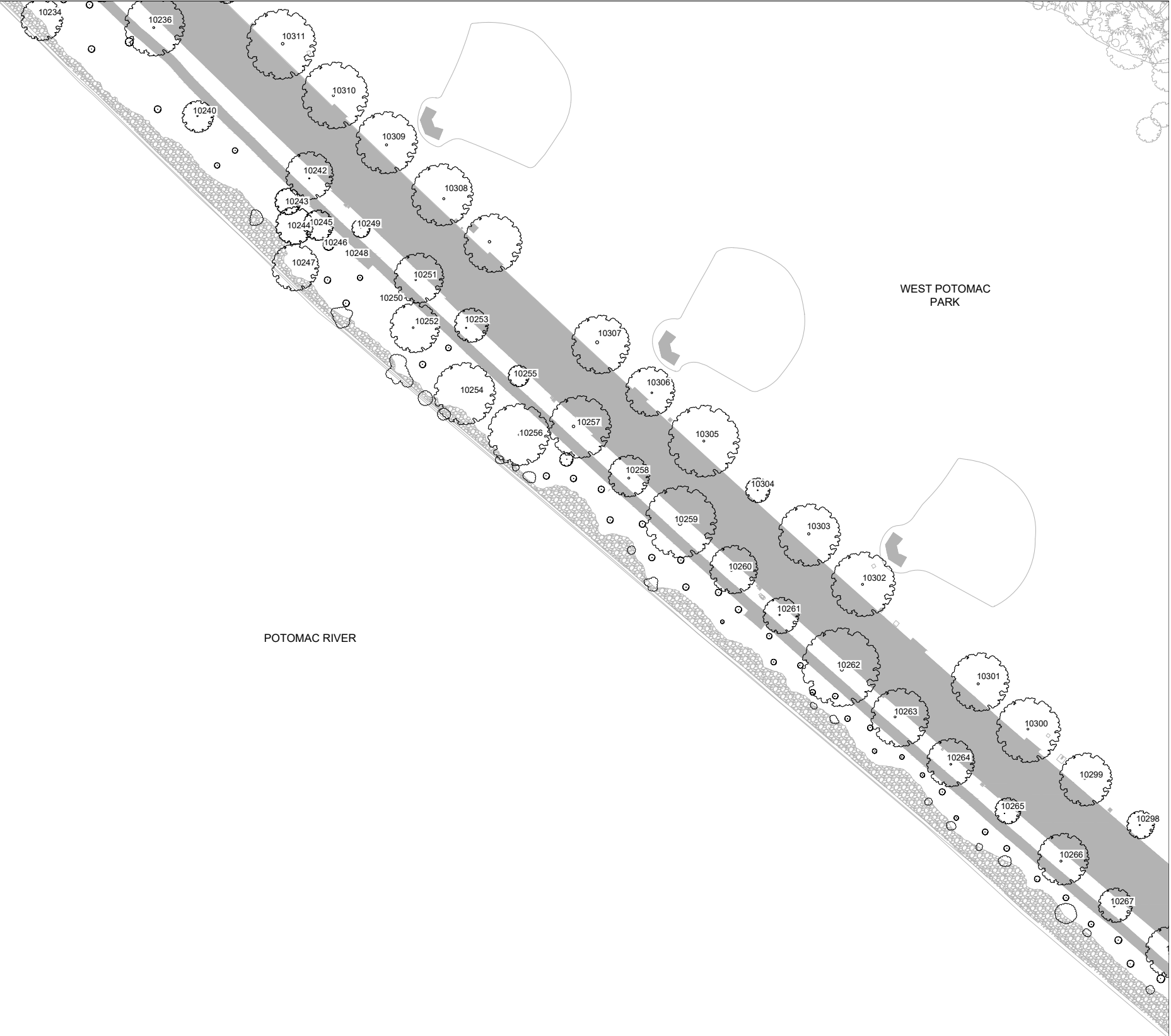
TITLE OF SHEET
**OVERALL
VEGETATION PLAN
AND KEY MAP**


NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
05-1.DWG
PMIS/PKG NO.
318722
SHEET
1 OF **18**



TREE #	COMMON NAME	SCIENTIFIC NAME
10318	American elm	Ulmus americana
10317	American elm	Ulmus americana
10316	American elm	Ulmus americana
10315	American elm	Ulmus americana
10314	American elm	Ulmus americana
10313	American elm	Ulmus americana
10312	American elm	Ulmus americana
10311	American elm	Ulmus americana
10310	American elm	Ulmus americana
10309	American elm	Ulmus americana
10308	American elm	Ulmus americana
10307	American elm	Ulmus americana
10306	American elm	Ulmus americana
10305	American elm	Ulmus americana
10304	American elm	Ulmus americana
10303	American elm	Ulmus americana
10302	American elm	Ulmus americana
10301	American elm	Ulmus americana
10300	American elm	Ulmus americana
10299	American elm	Ulmus americana
10298	American elm	Ulmus americana
10267	American elm	Ulmus americana
10266	American elm	Ulmus americana
10265	American elm	Ulmus americana
10264	American elm	Ulmus americana
10263	American elm	Ulmus americana
10262	American elm	Ulmus americana
10261	American elm	Ulmus americana
10260	American elm	Ulmus americana
10259	American elm	Ulmus americana
10258	American elm	Ulmus americana
10257	American elm	Ulmus americana
10256	Florida maple	Acer barbatum
10255	American elm	Ulmus americana
10254	Florida maple	Acer barbatum
10253	American elm	Ulmus americana
10252	Florida maple	Acer barbatum
10251	American elm	Ulmus americana
10250	Flowering cherry spp.	Prunus
10249	American elm	Ulmus americana
10248	Flowering cherry spp.	Prunus
10247	-	-
10246	Flowering cherry spp.	Prunus
10245	Flowering cherry spp.	Prunus
10244	Flowering cherry spp.	Prunus
10243	Flowering cherry spp.	Prunus
10242	American elm	Ulmus americana
10241	American elm	Ulmus americana
10240	Common linden	Tilia x vulgaris
10239	American elm	Ulmus americana
10238	Hickory spp.	Carya
10237	Weeping willow	Salix x sepulcralis Simonkai
10236	American elm	Ulmus americana
10234	Weeping willow	Salix x sepulcralis Simonkai





DESIGNED:
XXX
CADD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

SUB SHEET NO.

05-4

TITLE OF SHEET
WEST POTOMAC PARK
ENLARGED
VEGETATION PLAN

NATIONAL MALL AND MEMORIAL PARKS

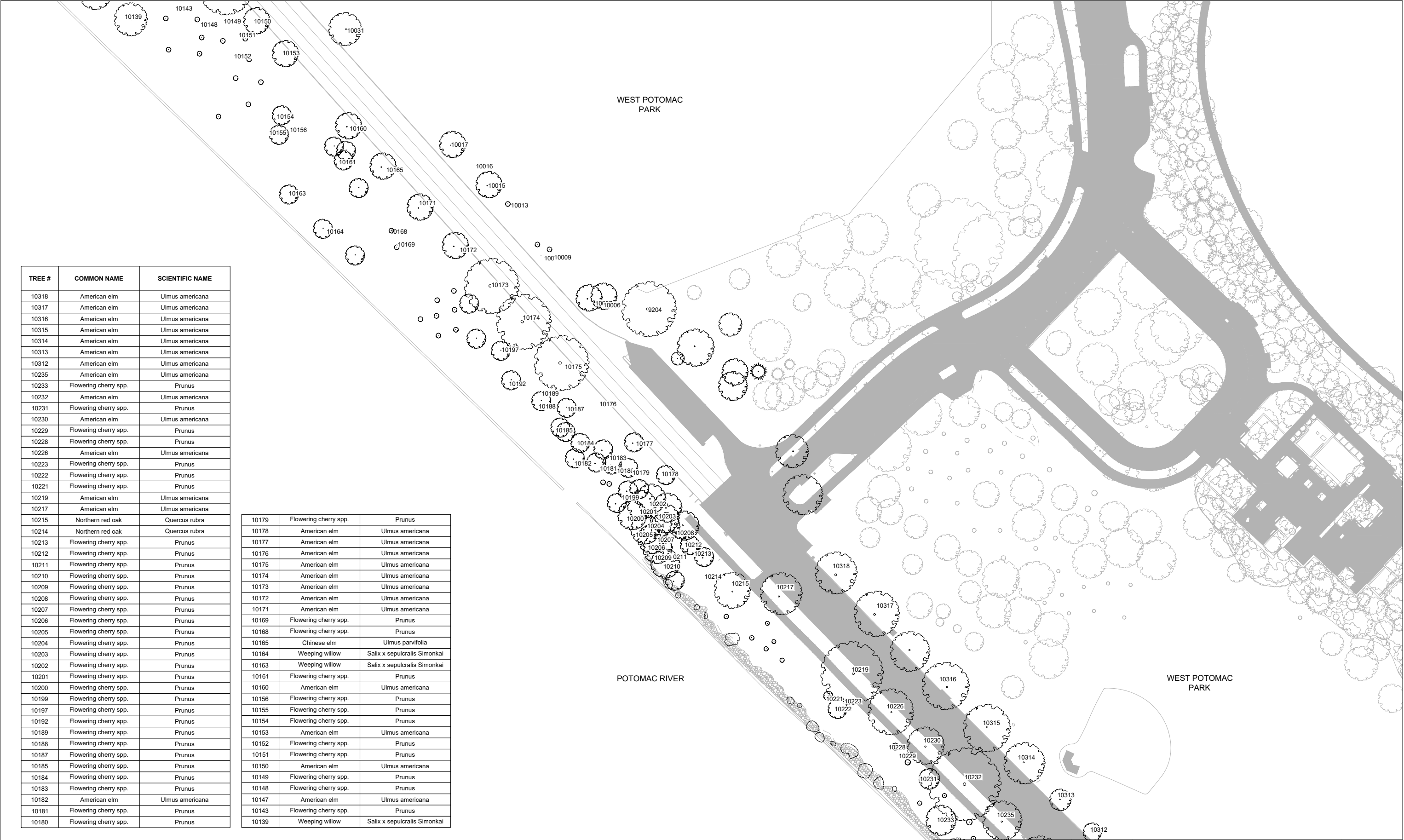
DRAWING NO.
00
05-4.DWG


PMIS/PKG NO.
318722

SHEET
4 OF 18

TREE #	COMMON NAME	SCIENTIFIC NAME
10318	American elm	Ulmus americana
10317	American elm	Ulmus americana
10316	American elm	Ulmus americana
10315	American elm	Ulmus americana
10314	American elm	Ulmus americana
10313	American elm	Ulmus americana
10312	American elm	Ulmus americana
10235	American elm	Ulmus americana
10233	Flowering cherry spp.	Prunus
10232	American elm	Ulmus americana
10231	Flowering cherry spp.	Prunus
10230	American elm	Ulmus americana
10229	Flowering cherry spp.	Prunus
10228	Flowering cherry spp.	Prunus
10226	American elm	Ulmus americana
10223	Flowering cherry spp.	Prunus
10222	Flowering cherry spp.	Prunus
10221	Flowering cherry spp.	Prunus
10219	American elm	Ulmus americana
10217	American elm	Ulmus americana
10215	Northern red oak	Quercus rubra
10214	Northern red oak	Quercus rubra
10213	Flowering cherry spp.	Prunus
10212	Flowering cherry spp.	Prunus
10211	Flowering cherry spp.	Prunus
10210	Flowering cherry spp.	Prunus
10209	Flowering cherry spp.	Prunus
10208	Flowering cherry spp.	Prunus
10207	Flowering cherry spp.	Prunus
10206	Flowering cherry spp.	Prunus
10205	Flowering cherry spp.	Prunus
10204	Flowering cherry spp.	Prunus
10203	Flowering cherry spp.	Prunus
10202	Flowering cherry spp.	Prunus
10201	Flowering cherry spp.	Prunus
10200	Flowering cherry spp.	Prunus
10199	Flowering cherry spp.	Prunus
10197	Flowering cherry spp.	Prunus
10192	Flowering cherry spp.	Prunus
10189	Flowering cherry spp.	Prunus
10188	Flowering cherry spp.	Prunus
10187	Flowering cherry spp.	Prunus
10185	Flowering cherry spp.	Prunus
10184	Flowering cherry spp.	Prunus
10183	Flowering cherry spp.	Prunus
10182	American elm	Ulmus americana
10181	Flowering cherry spp.	Prunus
10180	Flowering cherry spp.	Prunus

10179	Flowering cherry spp.	Prunus
10178	American elm	Ulmus americana
10177	American elm	Ulmus americana
10176	American elm	Ulmus americana
10175	American elm	Ulmus americana
10174	American elm	Ulmus americana
10173	American elm	Ulmus americana
10172	American elm	Ulmus americana
10171	American elm	Ulmus americana
10169	Flowering cherry spp.	Prunus
10168	Flowering cherry spp.	Prunus
10165	Chinese elm	Ulmus parvifolia
10164	Weeping willow	Salix x sepulcralis Simonkai
10163	Weeping willow	Salix x sepulcralis Simonkai
10161	Flowering cherry spp.	Prunus
10160	American elm	Ulmus americana
10156	Flowering cherry spp.	Prunus
10155	Flowering cherry spp.	Prunus
10154	Flowering cherry spp.	Prunus
10153	American elm	Ulmus americana
10152	Flowering cherry spp.	Prunus
10151	Flowering cherry spp.	Prunus
10150	American elm	Ulmus americana
10149	Flowering cherry spp.	Prunus
10148	Flowering cherry spp.	Prunus
10147	American elm	Ulmus americana
10143	Flowering cherry spp.	Prunus
10139	Weeping willow	Salix x sepulcralis Simonkai





DESIGNED:
XXX
CAD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

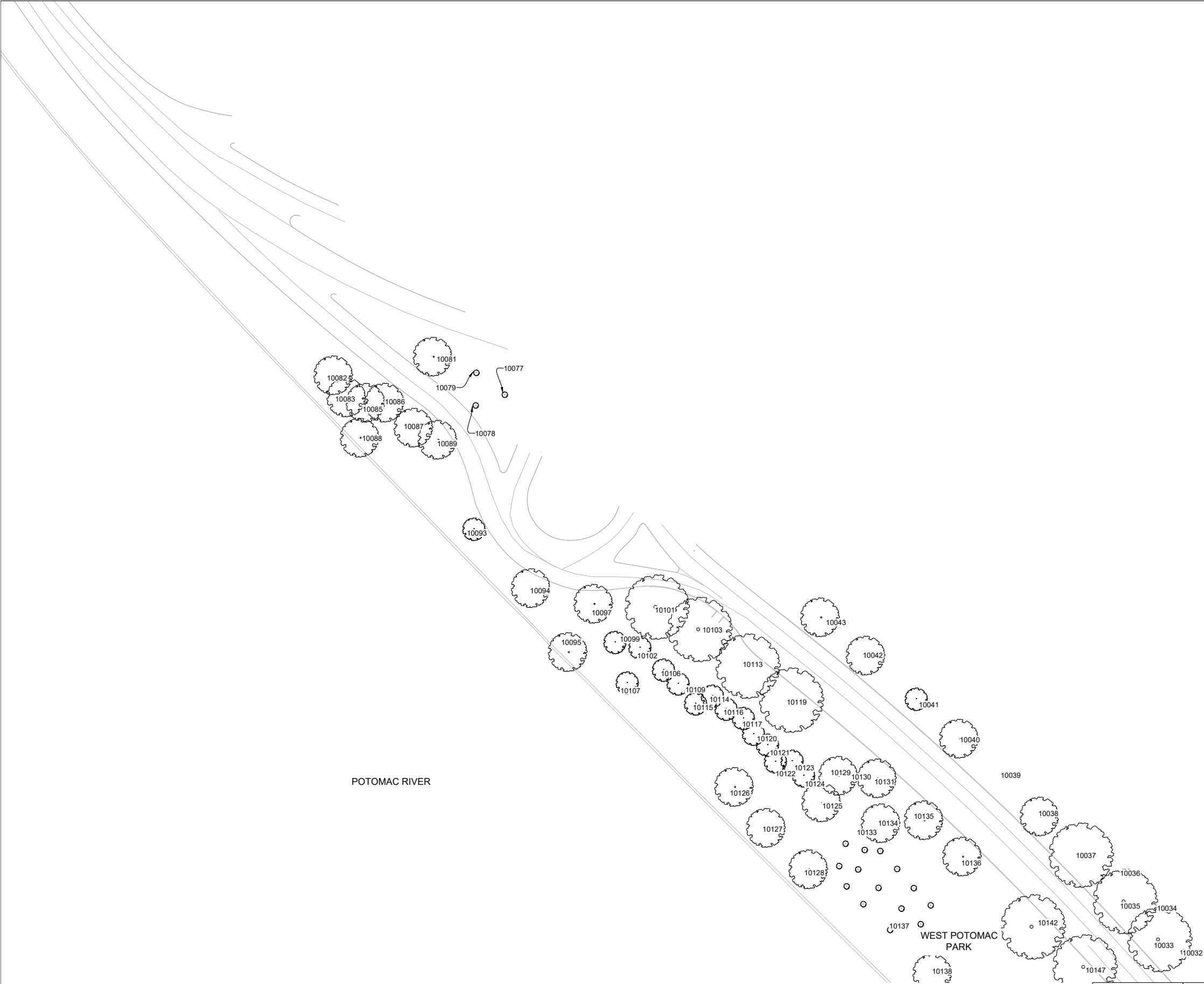
SUB SHEET NO.

05-5

TITLE OF SHEET
WEST POTOMAC PARK
ENLARGED
VEGETATION PLAN

NATIONAL MALL AND MEMORIAL PARKS

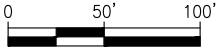
DRAWING NO.
00
05-5.DWG
PMIS/PKG NO.
318722
SHEET
5 OF 18




TREE #	COMMON NAME	SCIENTIFIC NAME
10147	American elm	Ulmus americana
10142	American elm	Ulmus americana
10138	Weeping willow	Salix x sepulcralis Simonkai
10137	Weeping willow	Salix x sepulcralis Simonkai
10136	American elm	Ulmus americana
10135	American elm	Ulmus americana
10134	Flowering cherry spp.	Prunus
10133	Flowering cherry spp.	Prunus
10131	American elm	Ulmus americana
10130	Flowering cherry spp.	Prunus
10129	Flowering cherry spp.	Prunus
10128	Weeping willow	Salix x sepulcralis Simonkai
10127	Weeping willow	Salix x sepulcralis Simonkai
10126	Weeping willow	Salix x sepulcralis Simonkai
10125	American elm	Ulmus americana
10124	Flowering cherry spp.	Prunus
10123	Flowering cherry spp.	Prunus
10122	Flowering cherry spp.	Prunus
10121	Flowering cherry spp.	Prunus
10120	Flowering cherry spp.	Prunus
10119	American elm	Ulmus americana
10117	Flowering cherry spp.	Prunus
10116	Flowering cherry spp.	Prunus
10115	Flowering cherry spp.	Prunus
10114	Flowering cherry spp.	Prunus
10113	American elm	Ulmus americana
10109	Flowering cherry spp.	Prunus
10107	Weeping willow	Salix x sepulcralis Simonkai
10106	Flowering cherry spp.	Prunus
10103	American elm	Ulmus americana
10102	Chinese elm	Ulmus parvifolia
10101	American elm	Ulmus americana
10099	Flowering cherry spp.	Prunus
10097	American elm	Ulmus americana
10095	Weeping willow	Salix x sepulcralis Simonkai
10094	American elm	Ulmus americana
10093	American elm	Ulmus americana
10089	American elm	Ulmus americana
10088	Weeping willow	Salix x sepulcralis Simonkai
10087	Flowering cherry spp.	Prunus
10086	Flowering cherry spp.	Prunus
10085	Flowering cherry spp.	Prunus
10083	Flowering cherry spp.	Prunus
10082	American elm	Ulmus americana
10081	American elm	Ulmus americana
10079	Flowering cherry spp.	Prunus
10078	Flowering cherry spp.	Prunus
10077	American elm	Ulmus americana
10043	American elm	Ulmus americana
10042	American elm	Ulmus americana
10041	American elm	Ulmus americana
10040	American elm	Ulmus americana
10039	American elm	Ulmus americana
10038	American elm	Ulmus americana
10037	American elm	Ulmus americana
10036	American elm	Ulmus americana
10035	American elm	Ulmus americana
10034	American elm	Ulmus americana
10033	American elm	Ulmus americana
10032	American elm	Ulmus americana

POTOMAC RIVER

WEST POTOMAC PARK





DESIGNED:
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

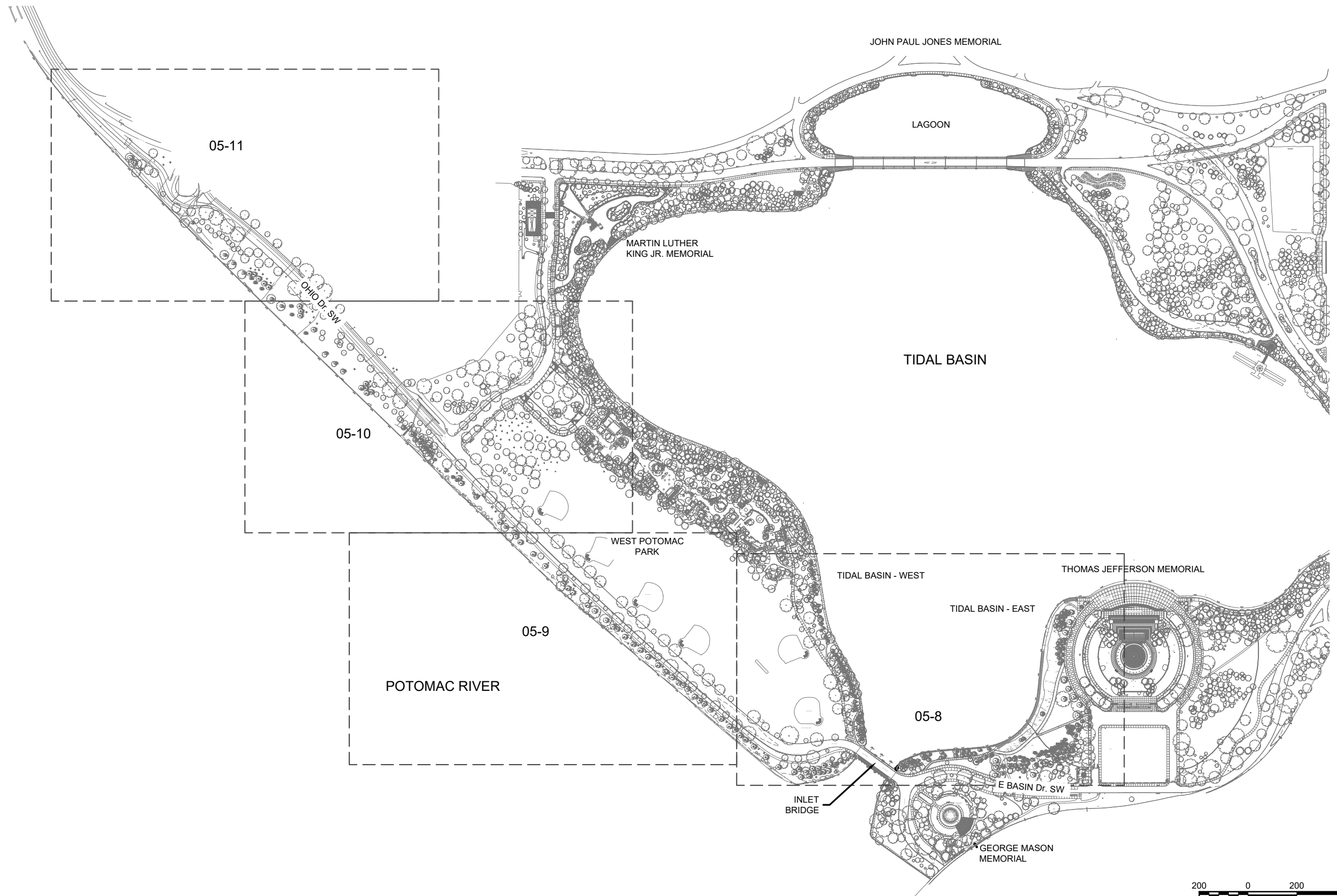
SUB SHEET NO.

05-6

TITLE OF SHEET
WEST POTOMAC PARK
ENLARGED
VEGETATION PLAN


NATIONAL MALL AND MEMORIAL PARKS

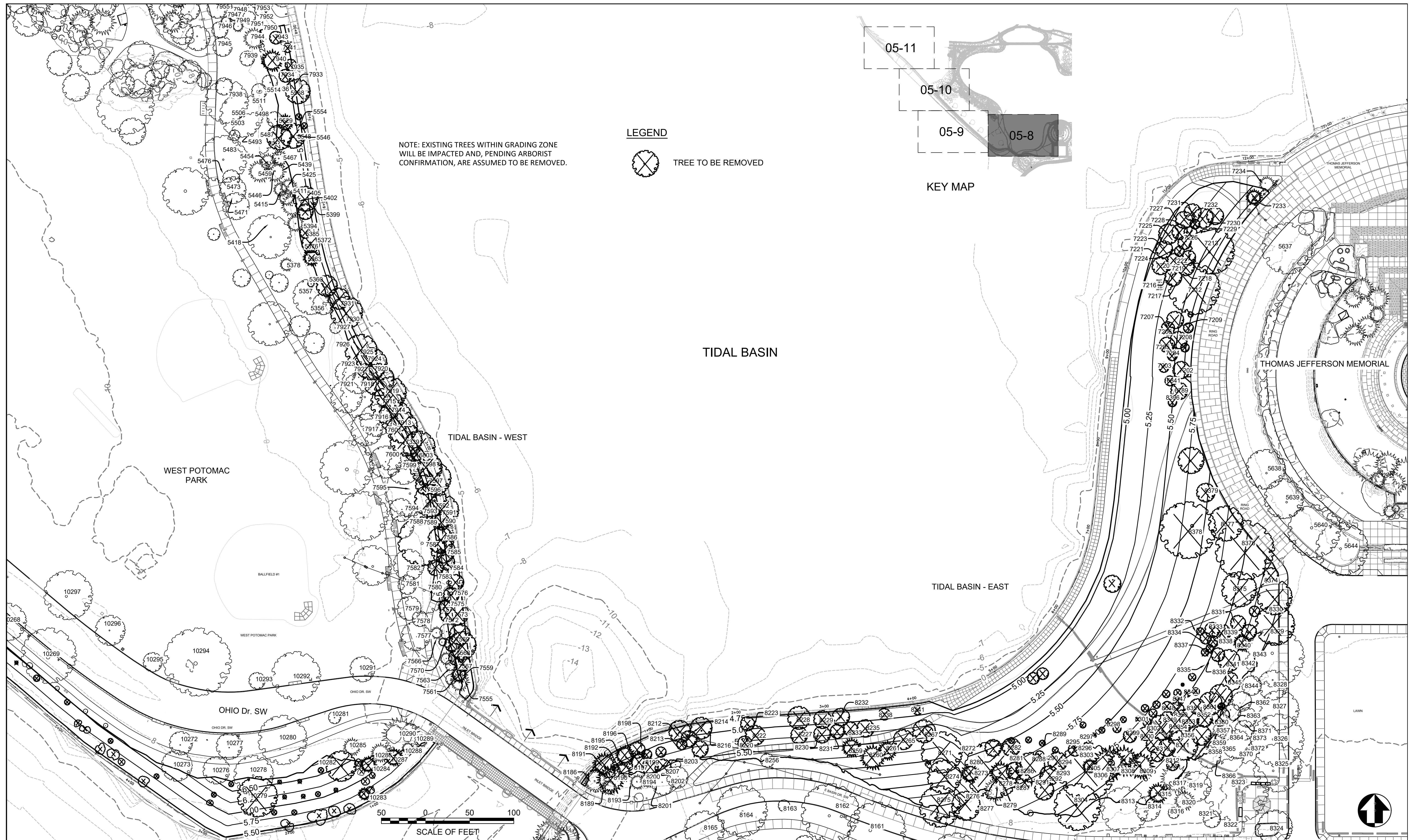
DRAWING NO.
00
05-6.DWG
PMIS/PKG NO.
318722
SHEET
6 OF 18



SCALE OF FEET

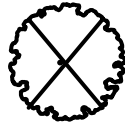


	DESIGNED:	SUB SHEET NO. 05-7	TITLE OF SHEET OVERALL EXISTING VEGETATION PLAN AND KEY MAP NATIONAL MALL AND MEMORIAL PARKS	DRAWING NO. 00
	SDR			05-7.dwg
	CADD			
	JLS/DBS			PMIS/PKG NO. 318722
	TECH. REVIEW: XXX			SHEET
DATE: AUG 2022				07 OF 18



NOTE: EXISTING TREES WITHIN GRADING ZONE
WILL BE IMPACTED AND, PENDING ARBORIST
CONFIRMATION, ARE ASSUMED TO BE REMOVED.

LEGEND



TREE TO BE REMOVED

05-11

05-10

05-9

05-8

KEY MAP

TIDAL BASIN

TIDAL BASIN - WEST

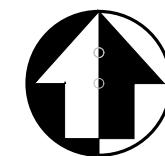
WEST POTOMAC
PARK

TIDAL BASIN - EAST

THOMAS JEFFERSON MEMORIAL

OHIO Dr. SW

SCALE OF FEET



DESIGNED: _____
SDR
CADD
JLS/DBS
TECH. REVIEW
XXX

DATE: _____
AUG 2022

SUB SHEET NO.

05-8

TITLE OF SHEET

VEGETATION PLAN AND
KEY MAP

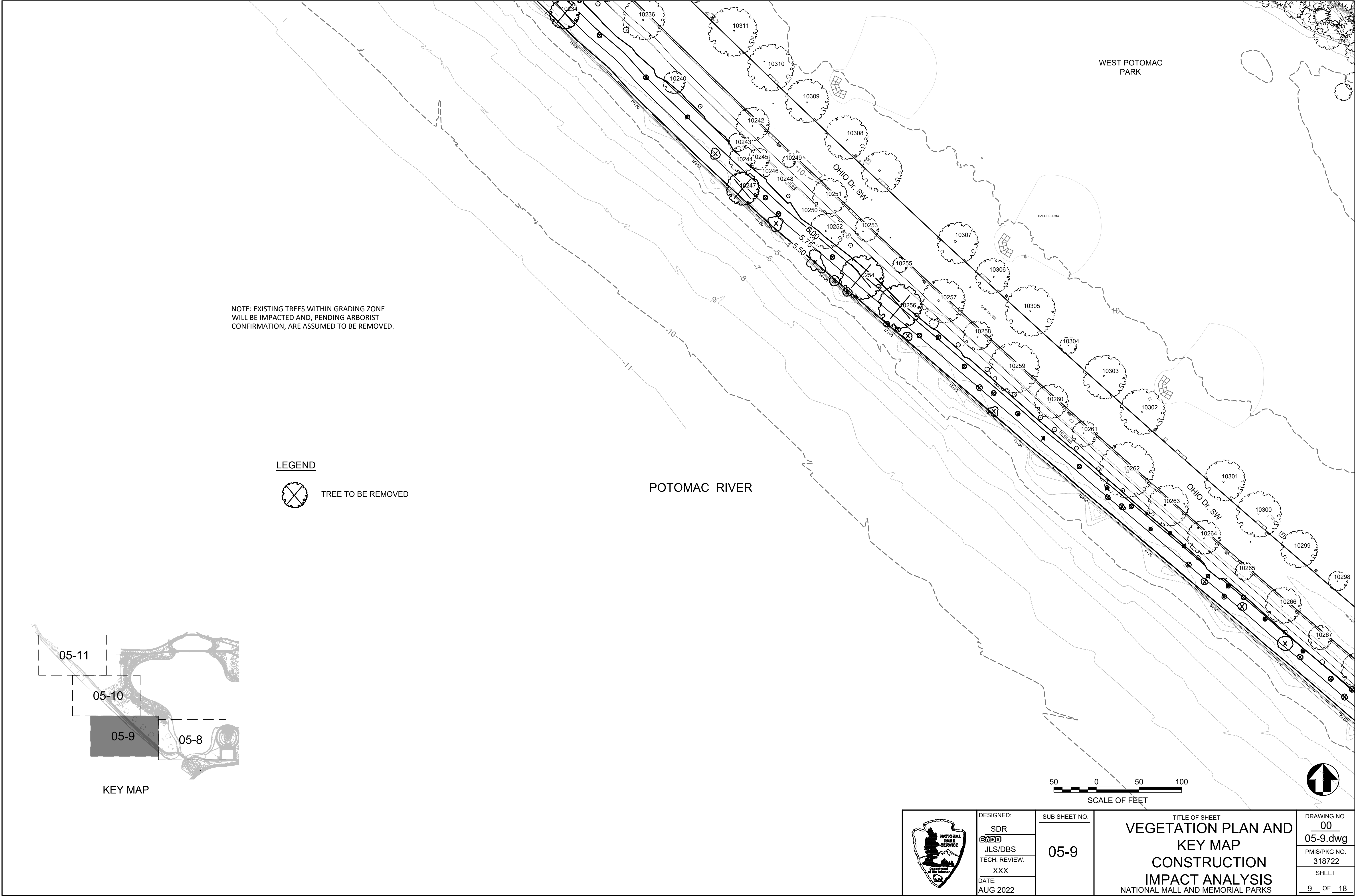
CONSTRUCTION
IMPACT ANALYSIS

NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
05-8.dwg

PMIS/PKG NO.
318722

SHEET
8 OF 18

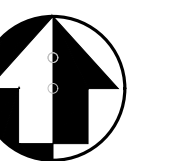


TIDAL BASIN



FRANKLIN
DELANO
ROOSEVELT
MEMORIAL

WEST POTOMAC
PARK



DRAWING NO. <u>00</u> 05-10.dwg
PMIS/PKG NO. 318722
SHEET 10 OF 18

TITLE OF SHEET

VEGETATION PLAN AND
KEY MAP

CONSTRUCTION
IMPACT ANALYSIS

NATIONAL MALL AND MEMORIAL PARKS

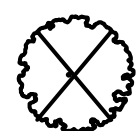
SUB SHEET NO.
05-10

DESIGNED:
SDR
CADD
JLS/DBS
TECH. REVIEW:
XXX
DATE:
AUG 2022



POTOMAC RIVER

LEGEND



TREE TO BE REMOVED

NOTE: EXISTING TREES WITHIN GRADING ZONE
WILL BE IMPACTED AND, PENDING ARBORIST
CONFIRMATION, ARE ASSUMED TO BE REMOVED.

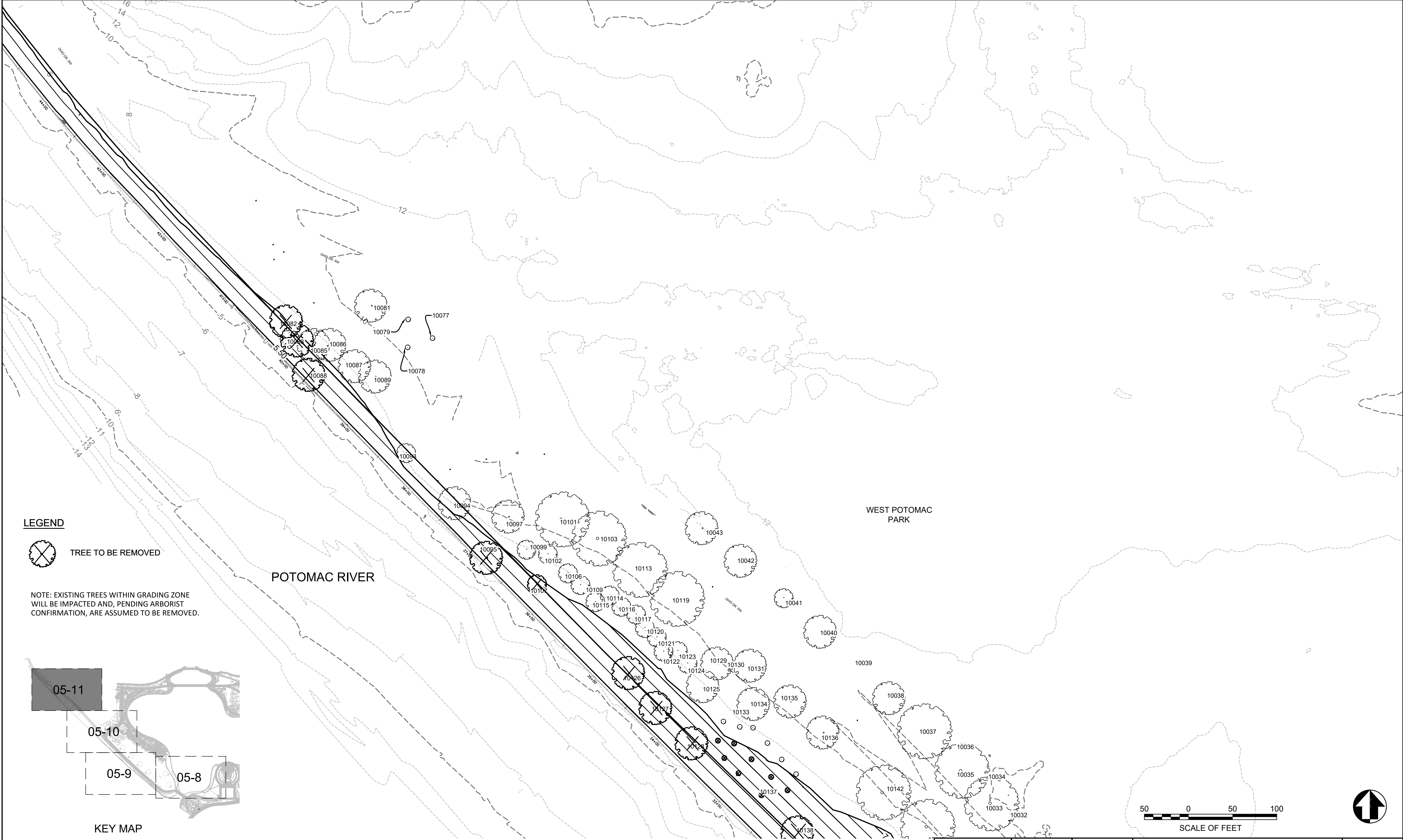
05-11

05-10

05-9

05-8

KEY MAP

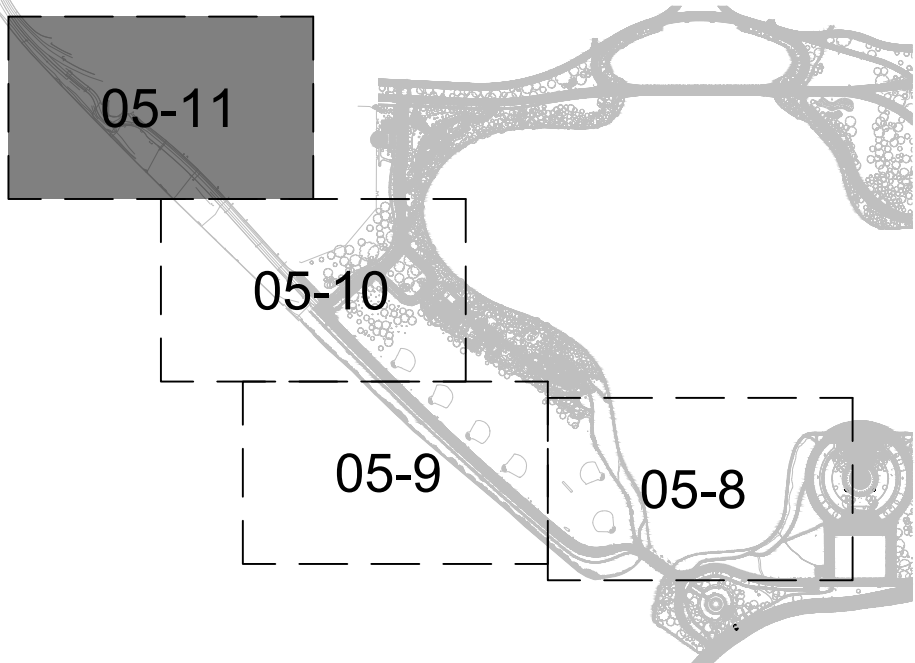


LEGEND

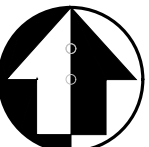
 TREE TO BE REMOVED


NOTE: EXISTING TREES WITHIN GRADING ZONE WILL BE IMPACTED AND, PENDING ARBORIST CONFIRMATION, ARE ASSUMED TO BE REMOVED.

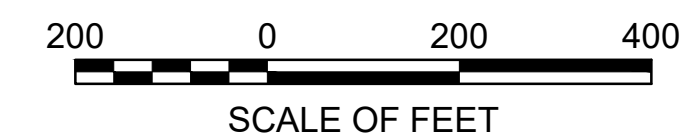
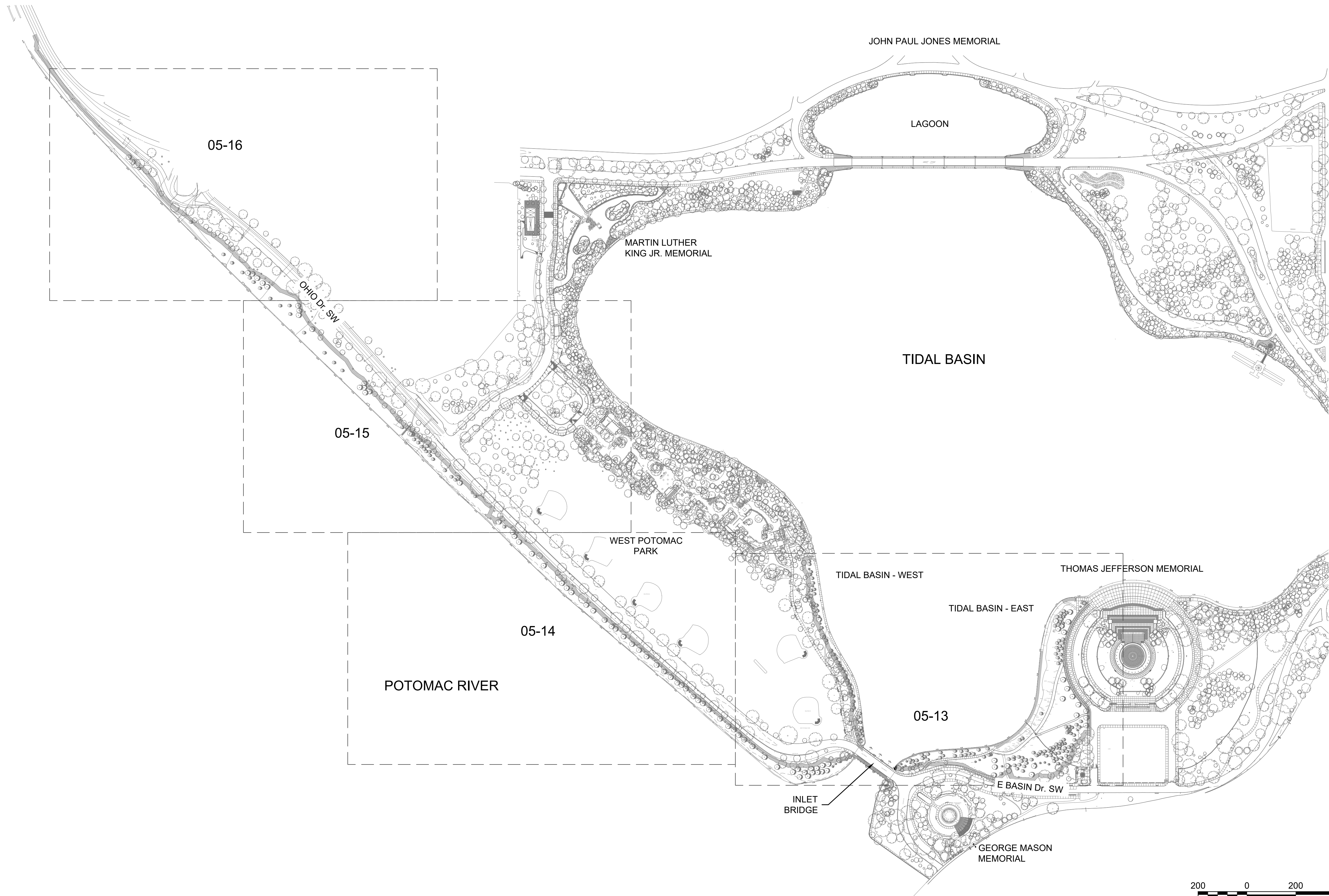
KEY MAP




50 0 50 100
SCALE OF FEET






	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
	SDR			00
	CAAD			05-11.dwg
	JLS/DBS			PMIS/PKG NO.
	TECH. REVIEW:			318722
	XXX			SHEET
	DATE:			11 OF 18
	AUG 2022		VEGETATION PLAN AND KEY MAP CONSTRUCTION IMPACT ANALYSIS NATIONAL MALL AND MEMORIAL PARKS	



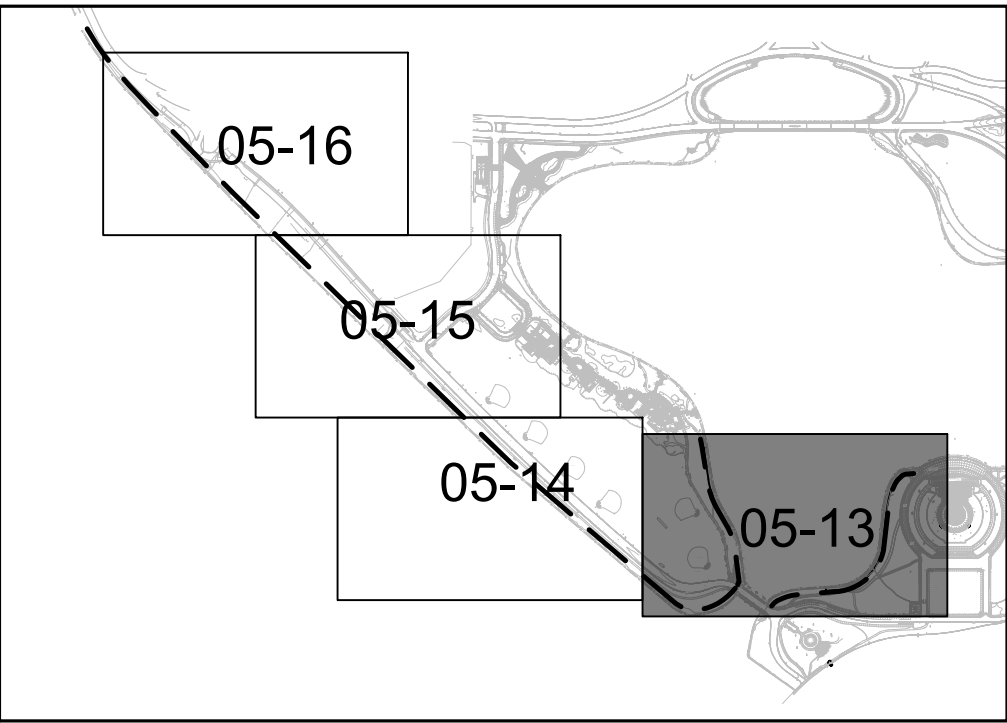
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	GADD			PMIS/PKG NO. 318722
	JLS/DBS			SHEET
	TECH. REVIEW: XXX			12 OF 18
	DATE: AUG 2022			

PLANT SCHEDULE - SHEET 06-12

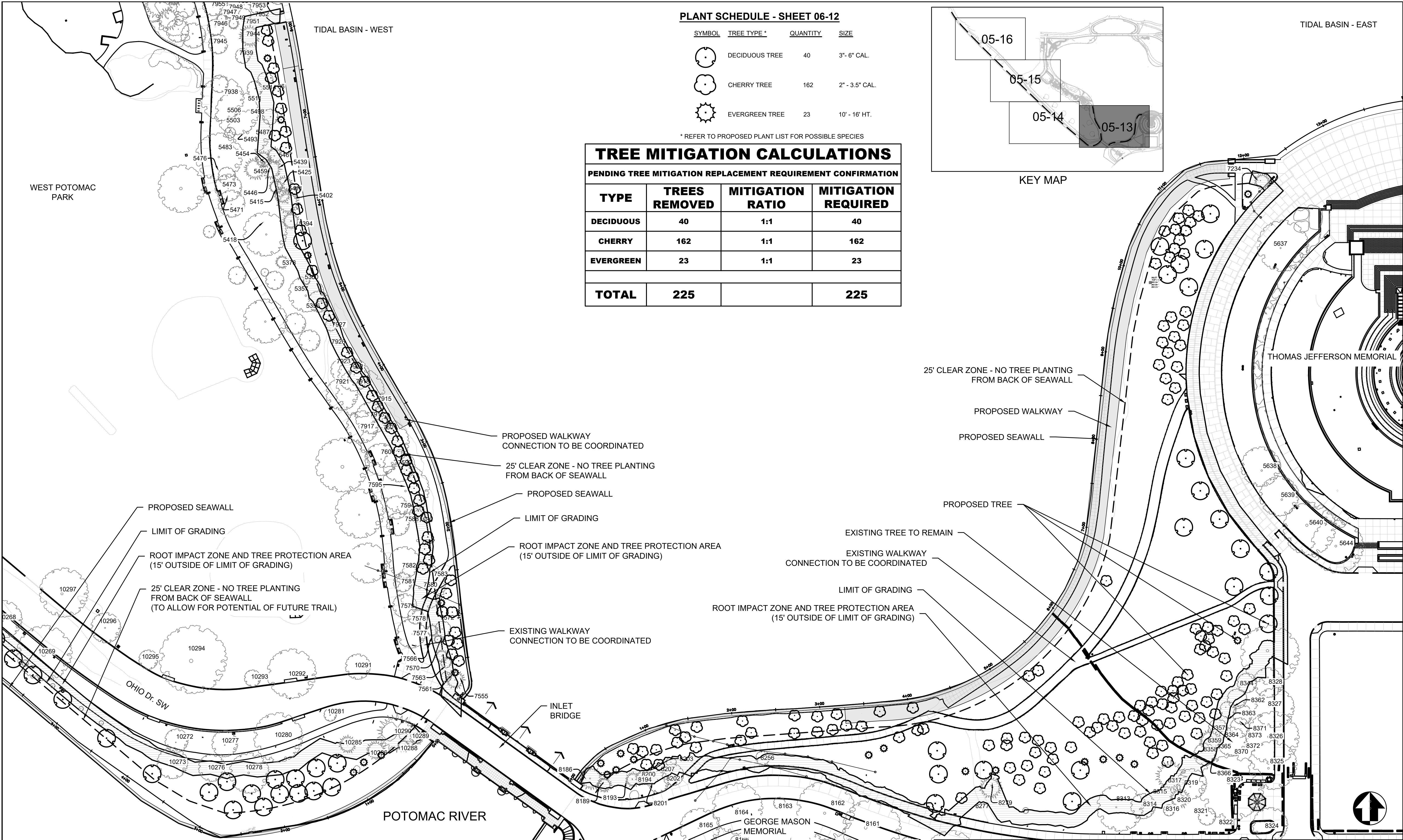
SYMBOL	TREE TYPE *	QUANTITY	SIZE
	DECIDUOUS TREE	40	3" - 6" CAL.
	CHERRY TREE	162	2" - 3.5" CAL.
	EVERGREEN TREE	23	10' - 16' HT.


* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

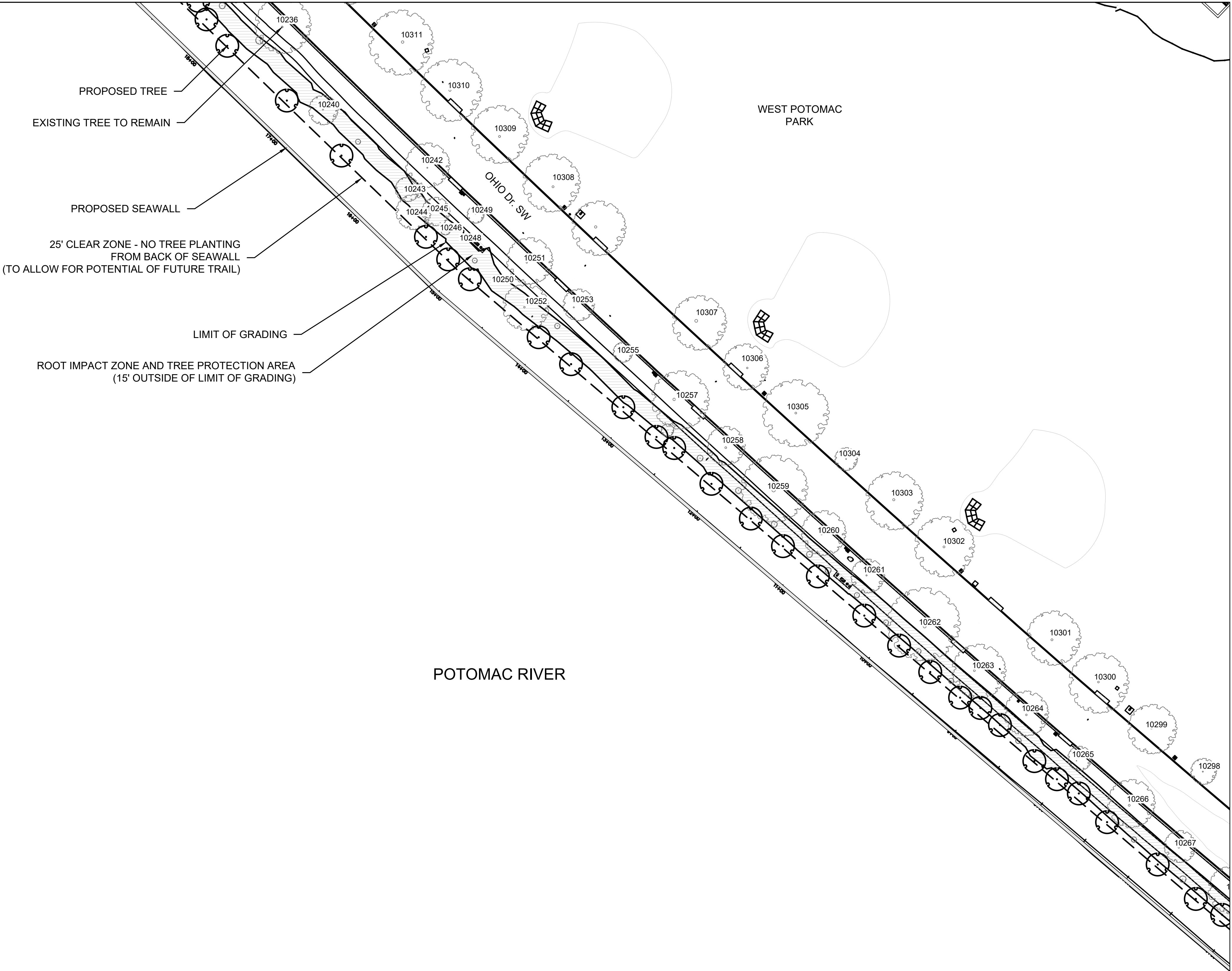
TREE MITIGATION CALCULATIONS			
PENDING TREE MITIGATION REPLACEMENT REQUIREMENT CONFIRMATION			
TYPE	TREES REMOVED	MITIGATION RATIO	MITIGATION REQUIRED
DECIDUOUS	40	1:1	40
CHERRY	162	1:1	162
EVERGREEN	23	1:1	23
TOTAL	225		225



KEY MAP



	DESIGNED: SDR	SUB SHEET NO. 05-13	TITLE OF SHEET PROPOSED VEGETATION PLAN	DRAWING NO. 00
	6ADD JLS/DBS			05-13.dwg
	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET 13 OF 18

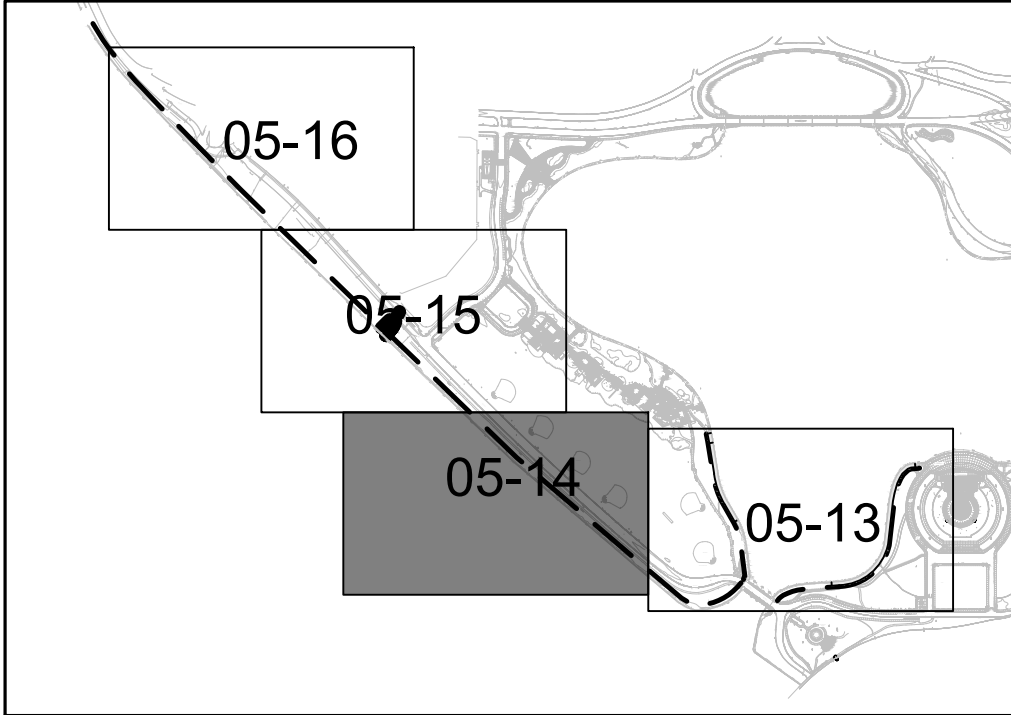


PLANT SCHEDULE - SHEET 06-13

SYMBOL	TREE TYPE*	QUANTITY	SIZE
	DECIDUOUS TREE	29	3" - 6" CAL.
	CHERRY TREE	0	2" - 3.5" CAL.
	EVERGREEN TREE	0	10' - 16' HT.

* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

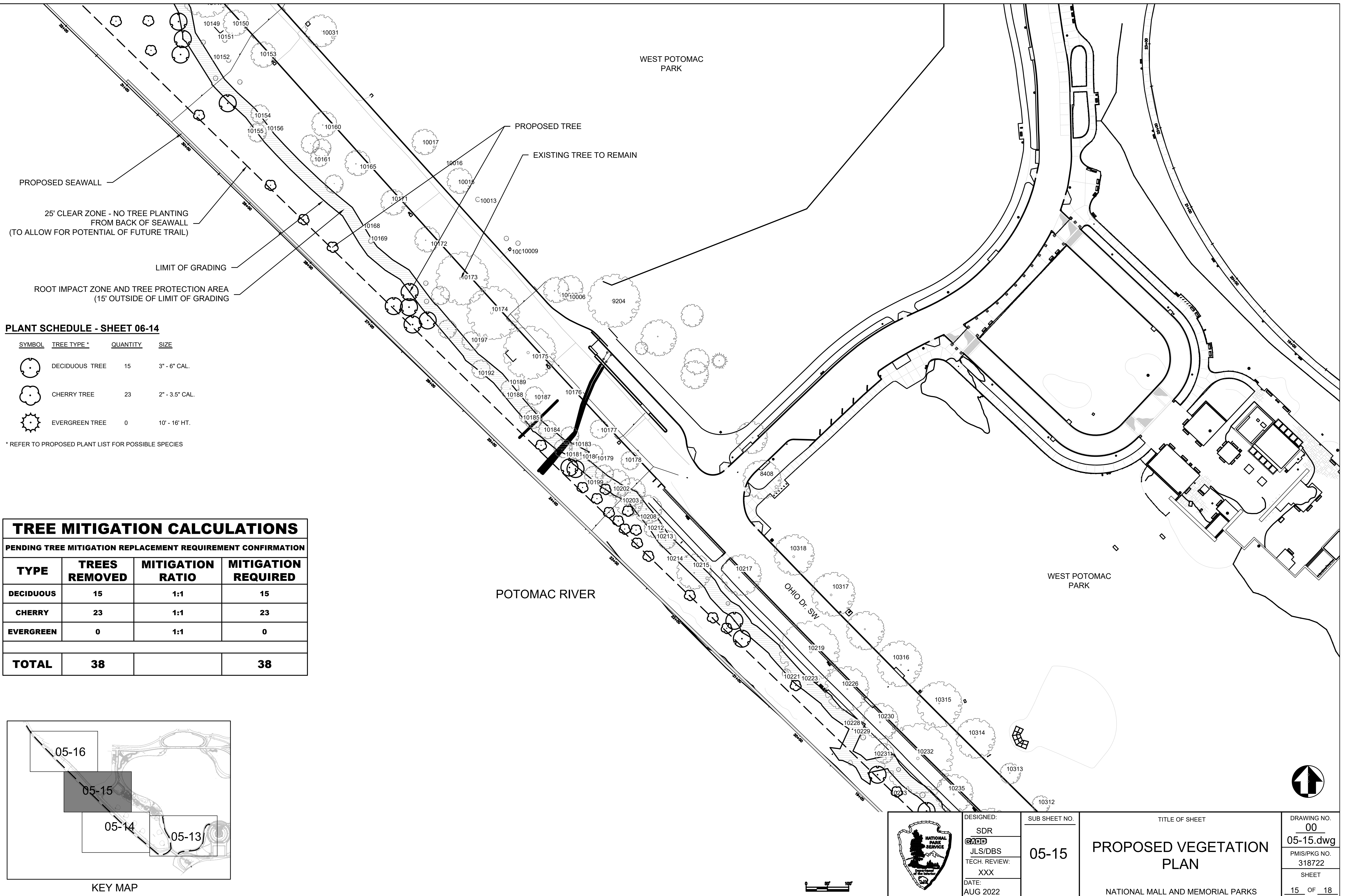
TREE MITIGATION CALCULATIONS			
PENDING TREE MITIGATION REPLACEMENT REQUIREMENT CONFIRMATION			
TYPE	TREES REMOVED	MITIGATION RATIO	MITIGATION REQUIRED
DECIDUOUS	29	1:1	29
CHERRY	0	1:1	0
EVERGREEN	0	1:1	0
TOTAL	29		29

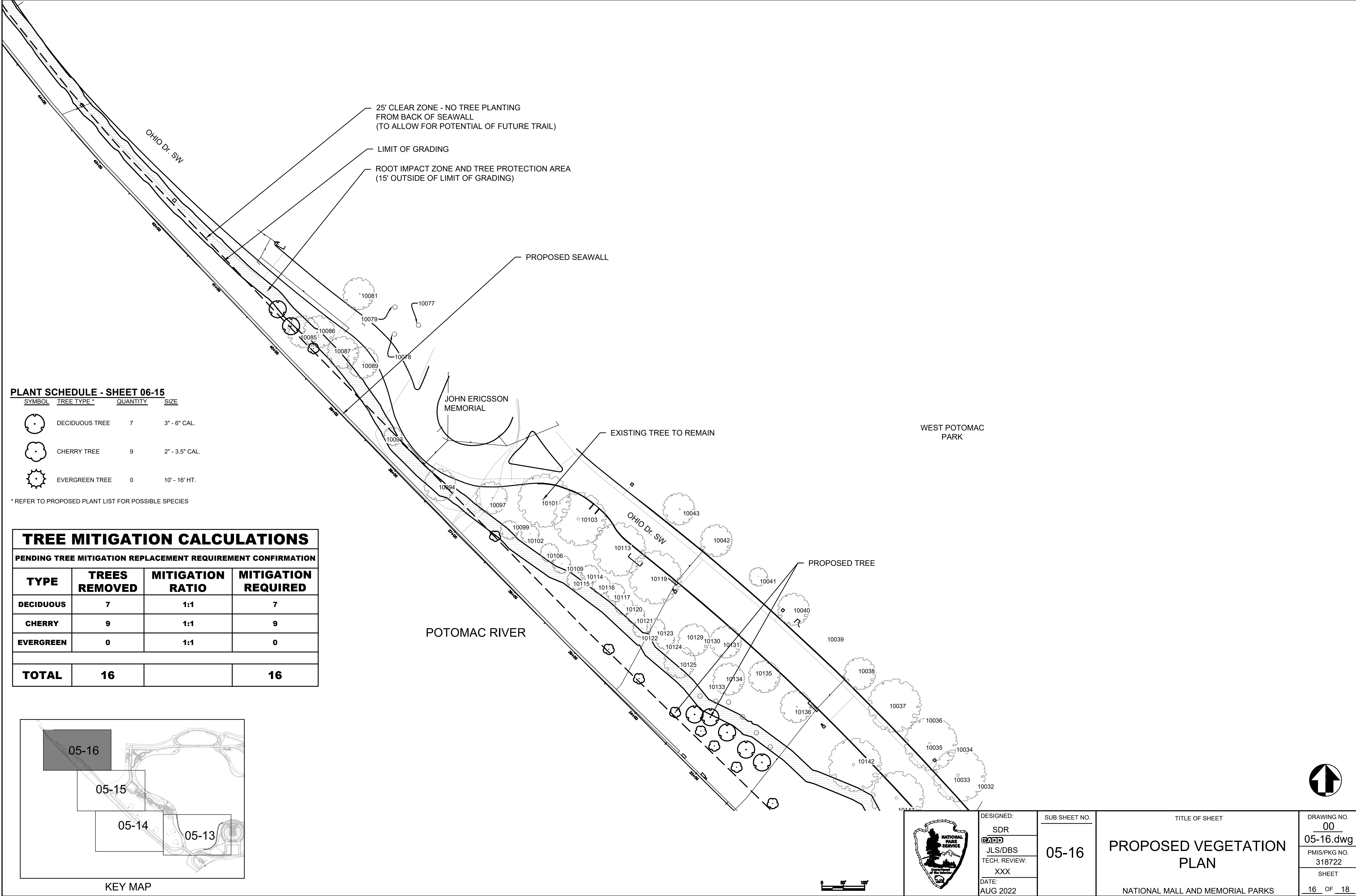


KEY MAP






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	GADD			PMIS/PKG NO. 318722
	JLS/DBS			SHEET
	TECH. REVIEW:			14 OF 18
	XXX			
	DATE:		NATIONAL MALL AND MEMORIAL PARKS	
	AUG 2022			



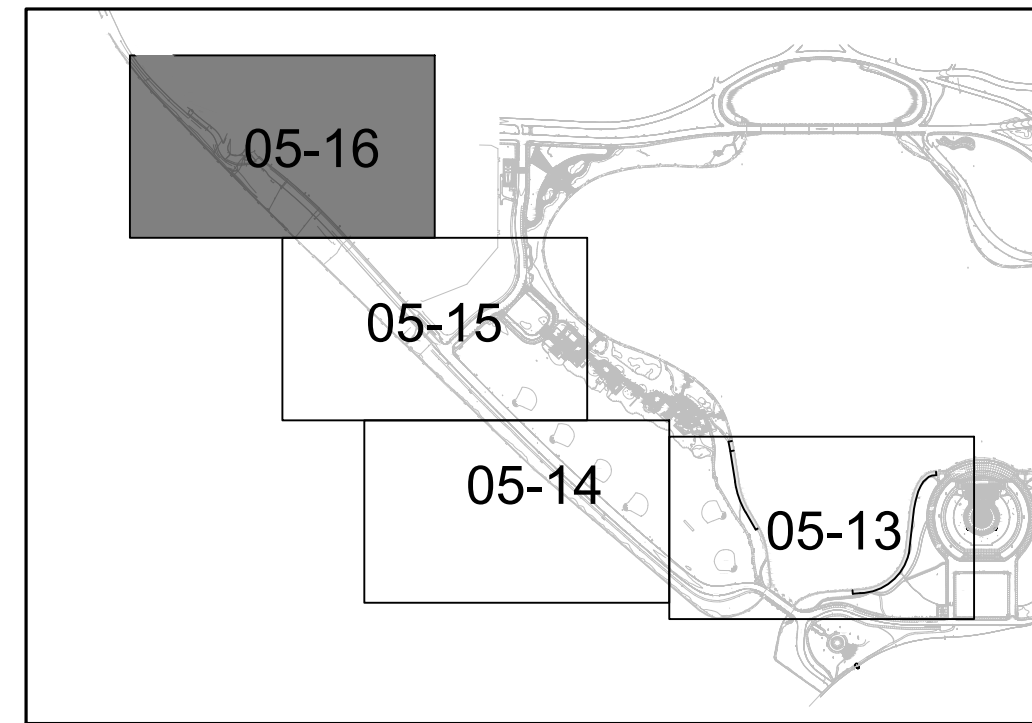


PLANT SCHEDULE - SHEET 06-15

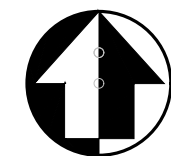
SYMBOL	TREE TYPE *	QUANTITY	SIZE
	DECIDUOUS TREE	7	3" - 6" CAL.
	CHERRY TREE	9	2" - 3.5" CAL.
	EVERGREEN TREE	0	10' - 16' HT.

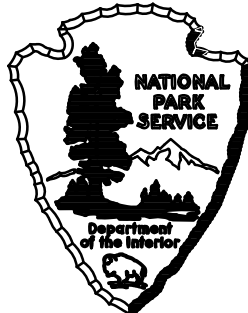
* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

TREE MITIGATION CALCULATIONS			
PENDING TREE MITIGATION REPLACEMENT REQUIREMENT CONFIRMATION			
TYPE	TREES REMOVED	MITIGATION RATIO	MITIGATION REQUIRED
DECIDUOUS	7	1:1	7
CHERRY	9	1:1	9
EVERGREEN	0	1:1	0
TOTAL	16		16



KEY MAP



	DESIGNED:	SUB SHEET NO. 05-16	TITLE OF SHEET PROPOSED VEGETATION PLAN NATIONAL MALL AND MEMORIAL PARKS	DRAWING NO. 00
	SDR			05-16.dwg
	GA00			PMIS/PKG NO. 318722
	JLS/DBS			SHEET
	TECH. REVIEW:			16 OF 18
	XXX			
	DATE:			
	AUG 2022			

COMMON NAME	BOTANICAL NAME	<i>Vetted & approved for future use</i>	<i>EDIBLE PART</i>	<i>Mature Height</i>	<i>Mature Width</i>	<i>Agricultural Cultivation</i>	<i>Native to US</i>	<i>Native to Mid- Atlantic</i>	<i>Drought Tolerant</i>	<i>Pest Tolerant</i>	<i>Heat Tolerant</i>	<i>Tolerant of De-icers</i>	<i>Shade Tolerant</i>	<i>Soil</i>	<i>Wet Soil</i>	<i>Deer Resistant</i>	Source
TREES:																	
Red Maple	<i>Acer rubrum</i>		Sap	70'	50'	No	Yes	Yes	Good	Fair	Good	Poor	Fair	Adaptable	VG	Yes	https://plants.ces.ncsu.edu/plants/acer-rubrum/
Yellow buckeye	<i>Aesculus flava</i>		None	75'	40'	No	Yes	Yes	Poor	Fair	Poor	Poor	VG	Well-drained	VG		https://plants.usda.gov/home/plantProfile?symbol=AEFL ; https://www.wildflower.org/plants/result.php?id_plant=AEFL
Downy Serviceberry	<i>Amelanchier arborea (or laevis)</i>		Fruit	25'	15'	No	Yes	Yes	Fair	Good	Good	Fair	Excellent	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/amelanchier-arborea/ ; https://www.wildflower.org/plants/result.php?id_plant=amar3
Serviceberry, juneberry	<i>Amelanchier spp.</i>		Berry	20'	12'	No	Yes	Yes	Good	VG	VG	Fair	Good	Adaptable	Poor		http://www.ediblelandscaping.com/index.php
Pawpaw	<i>Asimina triloba</i>		Fruit	15'	15'	Yes	Yes	Yes	VG	Excellent	VG	Poor	Good	Adaptable	Good		http://www.ediblelandscaping.com/index.php
River birch	<i>Betula nigra</i>		Sap	40'	40'	No	Yes	Yes	Fair	Fair	Fair	Fair	VG	Adaptable	Excellent	Yes	https://plants.ces.ncsu.edu/plants/betula-nigra/
Pignut Hickory	<i>Carya glabra</i>		Nuts	70'	35'	No	Yes	Yes	VG	Good	VG	Good	Fair	Adaptable	Fair	Yes	https://www.srs.fs.usda.gov/pubs/misc/ag_654/volume_2/carya/glabra.htm
Allegheny chinkapin	<i>Castanea pumila</i>	See Cherries-Elms-Chestnuts	Nut	20'	15'	No	Yes	Yes	Good	Excellent	Good	Poor	Excellent	Well-drained	Poor	No	http://www.ediblelandscaping.com/index.php
Dunstan chestnut (American/Chinese cross)	<i>Castanea dentata x mollissima</i>		Nut	60'	20'	Yes	No	No	VG	Good	Excellent	Fair	Fair	Adaptable	Poor	No	http://www.ediblelandscaping.com/index.php
Contorted filbert (Hazelnut)	<i>Corylus avellana</i>		Nut	12'	8'	Yes	Yes	Yes	Good	Excellent	VG	Poor	Good	Adaptable	Poor		http://www.ediblelandscaping.com/index.php
Hackberry	<i>Celtis occidentalis</i>		Berries	50'	40'	No	Yes	Yes	Fair	Fair	Fair	Good	Excellent	Adaptable	VG		https://plants.ces.ncsu.edu/plants/celtis-occidentalis/
Eastern redbud	<i>Cercis canadensis</i>		None	30'	35'	No	Yes	Yes	Poor	Fair	Poor	Good	Fair	Adaptable	Poor	No	https://plants.ces.ncsu.edu/plants/cercis-canadensis/
Flowering Dogwood	<i>Cornus florida</i>		None	25'	25'	No	Yes	Yes	No	Poor	Poor	Poor	Fair	Well-drained	Poor	No	https://plants.ces.ncsu.edu/plants/cornus-florida/
Thornless Cockspur Hawthorn	<i>Crataegus crus-galli var. inermis</i>		Berries	30'	35'	No	Yes	Yes	VG	Poor	Fair	Fair	Fair	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/crataegus-crus-galli-var-inermis/
Winter King Green Hawthorn	<i>Crataegus viridis 'Winter King'</i>		Berries	30'	30'	No	Yes	Yes	Good	Fair	Good	Good	Fair	Adaptable	Fair	Yes	http://woodyplants.cals.cornell.edu/plant/78
Native persimmon	<i>Diospyros virginiana</i>		Fruit	35'	20'	No	Yes	Yes	VG	VG	Good	Good	Fair	Adaptable	Good		http://www.treetrail.net/
American Beech	<i>Fagus grandifolia</i>																
Honeylocust	<i>Gleditsia triacanthos</i>		None	75'	40'	No	Yes	No	VG	Fair	VG	VG	Poor	Adaptable	Good	Yes	
American holly	<i>Ilex opaca</i>		None	100'	65'	No	Yes	Yes	VG	Good	Good	Fair	Excellent	Adaptable	Poor	Yes	
Eastern Red Cedar	<i>Juniperus virginiana</i>		Leaf	35'	20'	No	Yes	Yes	VG	Good	Fair	VG	Fair	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/juniperus-virginiana/
Roundleaf Sweetgum	<i>Liquidambar styraciflua 'Rotundiloba'</i>		None	75'	40'	No	Yes	Yes	Good	Fair	Good	Good	Good	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/liquidambar-styraciflua-rotundiloba/
Southern magnolia	<i>Magnolia grandiflora</i>		None	90'	60'	No	Yes	No	Good	VG	VG	Poor	Excellent	Adaptable	Poor	No	https://en.wikipedia.org/wiki/Magnolia_%C3%97_soulangiana
Star magnolia	<i>Magnolia stellata</i>		None	20'	15'	No	No	No	Fair	Fair	Good	Fair	Fair	Adaptable	Fair	Yes	https://en.wikipedia.org/wiki/Magnolia_stellata
Sweetbay magnolia	<i>Magnolia virginiana</i>		None	40'	35'	No	Yes	Yes	Fair	Fair	VG	Fair	Excellent	Adaptable	Excellent	Yes	https://en.wikipedia.org/wiki/Magnolia_virginiana
Saucer magnolia	<i>Magnolia x soulangeana</i>		None	33'	30'	No	No	No	Fair	Poor	Good	Poor	Fair	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/magnolia-x-soulangeana/
Crabapple	<i>Malus spp.</i>		Fruit	20'	20'	No	Yes	Yes	Poor	Poor	Poor	Poor	Poor	Well-drained	Poor	No	https://www.google.com/search?q=crab+apples+winter+salt&aq=chrome..69i57j33i160l2j33i2i29i30.6672j0j7&sourceid=chrome&ie=UTF-8
Black Gum	<i>Nyssa sylvatica</i>																
Sycamore	<i>Platanus occidentalis</i>																
Black Cherry	<i>Prunus serotina</i>	See Cherries-Elms-Chestnuts	Fruit	60'	40'	No	Yes	Yes	Poor	Poor	Fair	Fair	Good	Well-drained	Fair	Yes	https://plants.ces.ncsu.edu/plants/prunus-serotina/
Flowering cherry	<i>Prunus spp.</i>		None	30'	35'	No	No	No	Fair	Fair	Fair	Fair	Good	Well-drained	Poor	No	https://hort.ifas.ufl.edu/database/documents/pdf/tree_factsheets/pruserb.pdf , https://www.gardenia.net/plant-variety/prunus-serrulata-japanese-flowering-cherry
White oak	<i>Quercus alba</i>		Acorns	90'	90'	No	Yes	Yes	Good	Good	Good	Poor	Fair	Adaptable	Good	Yes	https://pfaf.org/user/Plant.aspx?LatinName=Quercus+alba#:~:text=The%20plant%20is%20heat%20tolerant,start%20suffering%20from%20the%20heat.
Water oak	<i>Quercus nigra</i>		Acorns	90'	70'	No	Yes	Yes	Good	Poor	Good	Fair	Poor	Adaptable	VG	Yes	https://en.wikipedia.org/wiki/Quercus_nigra
Pin oak	<i>Quercus palustris</i>		Acorns	70'	45'	No	Yes	Yes	Good	Fair	Good	Poor	Poor	Adaptable	Poor	Yes	https://en.wikipedia.org/wiki/Quercus_palustris
Willow oak	<i>Quercus phellos</i>		Acorns	80'	70'	No	Yes	Yes	Fair	Good	Good	Good	Poor	Adaptable	Good	Yes	https://plants.ces.ncsu.edu/plants/quercus-phellos/
Chestnut oak	<i>Quercus montana</i>		Acorns	65'	65'	No	Yes	Yes	VG	Fair	VG	Good	Poor	Adaptable	Fair	Yes	
Shumard red oak	<i>Quercus shumardii</i>		Acorns	110'	60'	No	Yes	Yes	VG	Fair	VG	Good	Poor	Adaptable	Fair	Yes	https://en.wikipedia.org/wiki/Quercus_shumardii
Black locust	<i>Robinia pseudoacacia</i>		None	80'	35'	No	Yes	Yes	Good	Good	Good	Good	Poor	Adaptable	Poor	No	https://en.wikipedia.org/wiki/Robinia_pseudoacacia
Willow	<i>Salix nigra</i>		None	50'	40'	No	Yes	Yes	Poor	Good	Good	Poor	Fair	Adaptable	Excellent	No	https://en.wikipedia.org/wiki/Salix_nigra#:~:text=Salix%20nigra%2C%20the%20black%20willow,to%20northern%20Florida%20and%20Texas.
Bald Cypress 'Nana'	<i>Taxodium distichum x Nana</i>		None	120'	70'	No	Yes	Yes	VG	Good	VG	Fair	Fair	Adaptable	Excellent	Yes	https://en.wikipedia.org/wiki/Taxodium_distichum
American basswood	<i>Tilia americana</i>		Foliage, flowers	80'		No	Yes	Yes	Good	Good	Good	Poor	Good	Adaptable	Good	No	https://pfaf.org/user/Plant.aspx?LatinName=Tilia+americana#:~:text=The%20plant%20is%20heat%20tolerant,start%20suffering%20from%20the%20heat.
American elm	<i>Ulmus americana</i>	See Cherries-Elms-Chestnuts	None	70'	50'	No	Yes	Yes	Good	Good	Good	Good	Fair	Adaptable	Good	Yes	https://plants.ces.ncsu.edu/plants/ulmus-americana/
For Cherry (<i>Prunus</i>), Elm (<i>Ulmus</i>), and Chestnut (<i>Castanea</i>) see separate tab																	

SPECIMEN TREE SELECTIONS			
CHERRIES			
Available cultivars			
<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Japanese Flowering Cherry	66 suppliers	
<i>Prunus subhirtella</i> 'Snow Goose'	Snow Goose Higan Cherry	21 suppliers	
<i>Prunus x incam</i> 'Okame'	Okame Taiwan Cherry	49 suppliers	
<i>Prunus x subhirtella</i>	Higan Cherry	6 suppliers	
<i>Prunus yedoensis</i>	Yoshino Cherry	54 suppliers	
<i>Prunus yedoensis</i> 'Akebono'	Akebono Yoshino Cherry	21 suppliers	
<i>Prunus yedoensis</i> 'Shidare'	Shidare Yoshino Cherry	6 suppliers	
	*Source: Landscape Hub, Plant Ant		
Invasive - DO NOT PLANT			
<i>Prunus avium</i>	Sweet Cherry		
<i>Prunus cerasus</i>	Sour Cherry		
<i>Prunus mahaleb</i>	Mahaleb Cherry		
<i>Prunus tomentosa Thunberg</i>	Nanking Cherry		
	*Source for invasives: Maryland Biodiversity Project, MD Invasive		
ELMS			
Available cultivars			
<i>Ulmus americana</i> 'Princeton'	Princeton American Elm	112 suppliers	
<i>Ulmus americana</i> 'Jefferson'	Jefferson American Elm	30 suppliers	
<i>Ulmus americana</i> 'Valley Forge'	Valley Forge American Elm	34 suppliers	
<i>Ulmus americana</i> 'New Harmony'	New Harmony American Elm	15 suppliers	
<i>Ulmus americana</i> 'Lewis & Clark'	Prairie Expedition American Elm	9 suppliers	
<i>Ulmus americana</i> 'JFS-Prince II'	Colonial Spirit American Elm	8 suppliers	
	*Source: Landscape Hub, Plant Ant		
Invasive - DO NOT PLANT			
<i>Ulmus pumila</i>	Siberian Elm		
	*Source for invasives: Maryland Biodiversity Project, MD Invasive		
Chestnuts			
Available cultivars - resistant to Chestnut Blight			
<i>Castanea dentata x mollissima</i>	Dunstan Chestnut	1 supplier	(180+ available)
<i>Castanea pumila</i>	Allegheny Chinkapin	1 supplier	(limited supply)
<i>Castanea dentata</i>	American Chestnut	1 supplier	(limited supply)
<i>Castanea mollissima</i>	Chinese Chestnut	1 supplier	(limited supply)
	*Source: Landscape Hub, Plant Ant		
No invasives found			

PREVIOUSLY PLANTED MONUMENTAL CORE PLANTS - COMPILED						
COMMON NAME	LATIN NAME	Native *	Source			
				Historic Resource Study - West Potomac Park: A History, 1973	East and West Potomac Parks Historic District; Revised National Register of Historic Places Nomination	HALS sheet 9 of 20 (representative)
TREES			Tidal Basin CLR			
Fir	<i>Abies spp.</i>	*	X, pg 175			X
Maple	<i>Acer spp.</i>	*	X, pg 174		X, Section 7, pg 32, 36	X
Red Maple	<i>Acer rubrum</i>	*	X, pg 40			X
Yellow Buckeye	<i>Aesculus flava</i>	*	X, pg 175			X
Horse Chestnut	<i>Aesculus hippocastanum</i>		X, pg 175			X
Alder	<i>Alnus spp.</i>					X
Serviceberry	<i>Amelanchier spp.</i>	*	X, pg 174			X
Birch	<i>Betula spp.</i>	*			X, Section 7, pg 68	X
Hickory	<i>Carya spp.</i>	*				X
Cedar	<i>Cedrus spp.</i>					X
Katsura Tree	<i>Cercidophyllum japonicum</i>		X, pg 176			X
Redbud	<i>Cercis canadensis</i>					X
Flowering Quince	<i>Chaenomeles speciosa</i>					X
Dogwood	<i>Cornus spp.</i>	*	X, pg 174		X, Section 7, pg 33, 36, 38	X
Hawthorn	<i>Crataegus spp.</i>	*			X, Section 7, pg 33	X
European Beech	<i>Fagus sylvatica</i>					X
Ash	<i>Fraxinus spp.</i>					X
Ginkgo Biloba	<i>Ginkgo biloba</i>		X, pg 176			X
Honeylocus	<i>Gleditsia triacanthos</i>					X
American Holly	<i>Ilex opaca</i>	*	X, pg 174		X, Section 7, pg 13, 36	X
Foster's Holly	<i>Ilex x attenuata</i>					X
Walnut	<i>Juglans nigra</i>	*				X
Eastern Red Cedar	<i>Juniperus virginiana</i>	*	X, pg 175			
Crape Myrtle	<i>Lagerstroemia indica</i>		X, pg 175			X
Tamarack	<i>Larix laricina</i>					X
Sweet Gum	<i>Liquidambar styraciflua</i>	*			X, Section 7, pg 68	X
Magnolia	<i>Magnolia spp.</i>	*	X, pg 174			X
Southern Magnolia	<i>Magnolia grandiflora</i>				X, Section 7, pg 13	X
Crabapple	<i>Malus spp.</i>	*	X, pg 174		X, Section 7, pg 33, 36	X
Amur Cork Tree	<i>Phellodendron amurense</i>		X, pg 175			X
Spruce	<i>Picea spp.</i>					X
Pine	<i>Pinus spp.</i>	*	X, pg 174			X
Mugo Pine	<i>Pinus mugo</i>				X, Section 7, pg 13	
Sycamore	<i>Platanus occidentalis</i>	*	X, pg 174			
London Plane Tree	<i>Platanus acerifolia</i>		X, pg 174			X
Cottonwood	<i>Populus spp.</i>	*	X, pg 176			X
Cherries	<i>Prunus spp.</i>		X, pg 25, 29, 174		X, Section 7, pg 33, 36	X
Kwanzan Cherry	<i>Prunus serrulata 'Kwanzan'</i>			X, pg 173		
Taki-Nioi Cherry	<i>Prunus serrulata 'Taki-Nioi'</i>			X, pg 173		
Higan Cherry	<i>Prunus x subhirtella</i> var. <i>Higan</i>			X, pg 173		
Beni-Higan Cherry	<i>Prunus x subhirtella</i> var. <i>Beni-Higan</i>			X, pg 173		
Jugatsu-sakura Cherry	<i>Prunus x subhirtella</i> var. <i>Jugatsu-sakura</i>			X, pg 173		
Weeping Higan Cherry	<i>Prunus subhirtella 'Pendula'</i>			X, pg 173		
Yoshino Cherry	<i>Prunus x yedoensis</i>			X, pg 173		
Oaks	<i>Quercus spp.</i>				X, Section 7, pg 36, 68	
White Oak	<i>Quercus alba</i>	*	X, pg 175			X
Water Oak	<i>Quercus nigra</i>					X
Pin Oak	<i>Quercus palustris</i>	*			X, Section 7, pg 32	X
Red Oak	<i>Quercus rubra</i>	*	X, pg 175			X
Black Locust	<i>Robinia pseudoacacia</i>				X, Section 7, pg 32	X
Mulberry	<i>Rubus spp.</i>	*	X, pg 174			
Japanese Pagoda Tree	<i>Sophora japonica</i>					X
Willow	<i>Salix spp.</i>	*			X, Section 7, pg 68	X
Mountain Ash	<i>Sorbus spp.</i>				X, Section 7, pg 33	
Linden	<i>Tilia</i>	*	X, pg 174		X, Section 7, pg 36	X
Hemlock	<i>Tsuga canadensis</i>	*	X, pg 174			X
American Elm	<i>Ulmus americana</i>	*	X, pg 174		X, Section 7, pg 13, 36, 68	X
Chinese Elm	<i>Ulmus parvifolia</i>					X
Japanese Vase Tree	<i>Zelkova serrata</i>		X, pg 174		X, Section 7, pg 32	X

SHRUBS						
Glossy Abelia	<i>Abelia grandiflora</i>	*	X, pg 174			X
Bottlebrush Buckeye	<i>Aesculus parviflora</i>	*	X, pg 174			X
Azalea	<i>Rhododendron spp.</i>				X, Section 7, pg 33	X
Common Box	<i>Buxus sempervirens</i>		X, pg 174		X, Section 7, pg 13	X
Cotoneaster	<i>Cotoneaster spp.</i>		X, pg 174		X, Section 7, pg 36	X
Burning Bush	<i>Euonymous alata</i>		X, pg 175			X
Forsythia	<i>Forsythia intermedia</i>		X, pg 174			X
Oak Leaf Hydrangea	<i>Hydrangea quercifolia</i>	*	X, pg 175			X
Japanese Hollies	<i>Ilex spp.</i>		X, pg 174		X, Section 7, pg 36	X
Winter Jasmine	<i>Jasminum nudiflorum</i>		X, pg 174			X
Juniper	<i>Juniperus spp.</i>		X, pg 175			X
Honeysuckle	<i>Lonicera spp.</i>		X, pg 175			X
Sweet Osmanthus	<i>Osmanthus frangrans</i>		X, pg 174			X
Pyracantha	<i>Pyracantha spp.</i>				X, Section 7, pg 33	X
Roses	<i>Rosa spp.</i>		X, pg 22			
Rhododendron	<i>Rhododendron spp.</i>				X, Section 7, pg 33	X
Spirea	<i>Spirea spp.</i>		X, pg 174			X
Yew	<i>Taxus spp.</i>		X, pg 174		X, Section 7, pg 13, 36	X
Viburnum	<i>Viburnum spp.</i>		X, pg 174		X, Section 7, pg 33	X
American Wisteria	<i>Wisteria frutescens</i>	*	X, pg 174			X
GROUNDCOVER						
English Ivy	<i>Hedera helix</i>				X, Section 7, pg 33	X
Pachysandra	<i>Pachysandra terminalis</i>				X, Section 7, pg 33	X
Periwinkle	<i>Vinca minor</i>				X, Section 7, pg 36	X
		* Native	Note: Pg 173 - 176 chart: spp. may be repeated in chart but not in column			



DESIGNED:
SDR
GADD
JLS/DBS
TECH. REVIEW:
XXX
DATE:
AUG 2022

SUB SHEET NO.

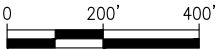
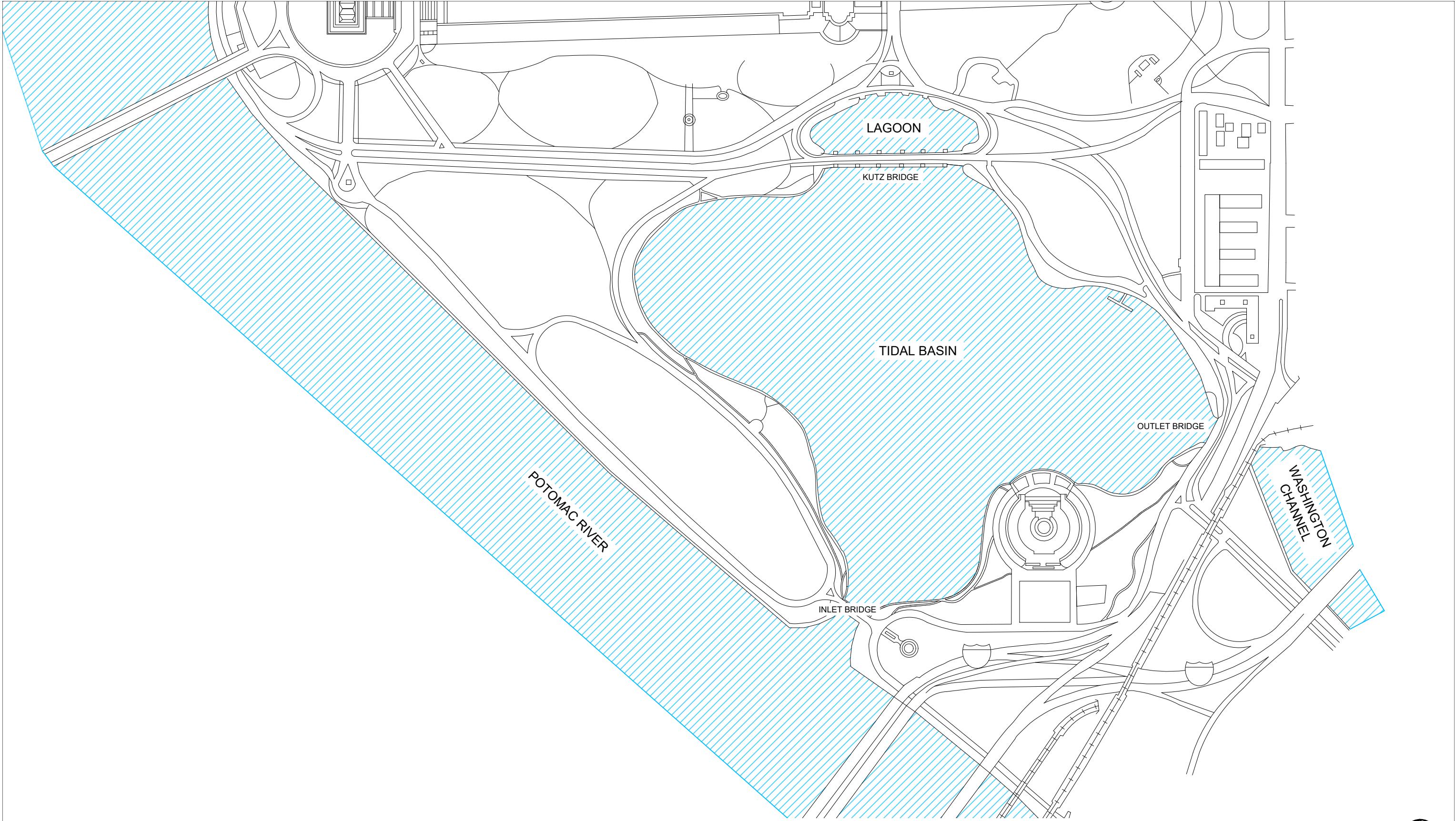
05-18

TITLE OF SHEET
NAMA SEAWALL
MONUMENTAL CORE
PLANT LIST (COMPILED)

NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
05-18.dwg
PMIS/PKG NO.
318722
SHEET
18 OF 18

EXHIBIT 6
EXISTING WATER BODIES




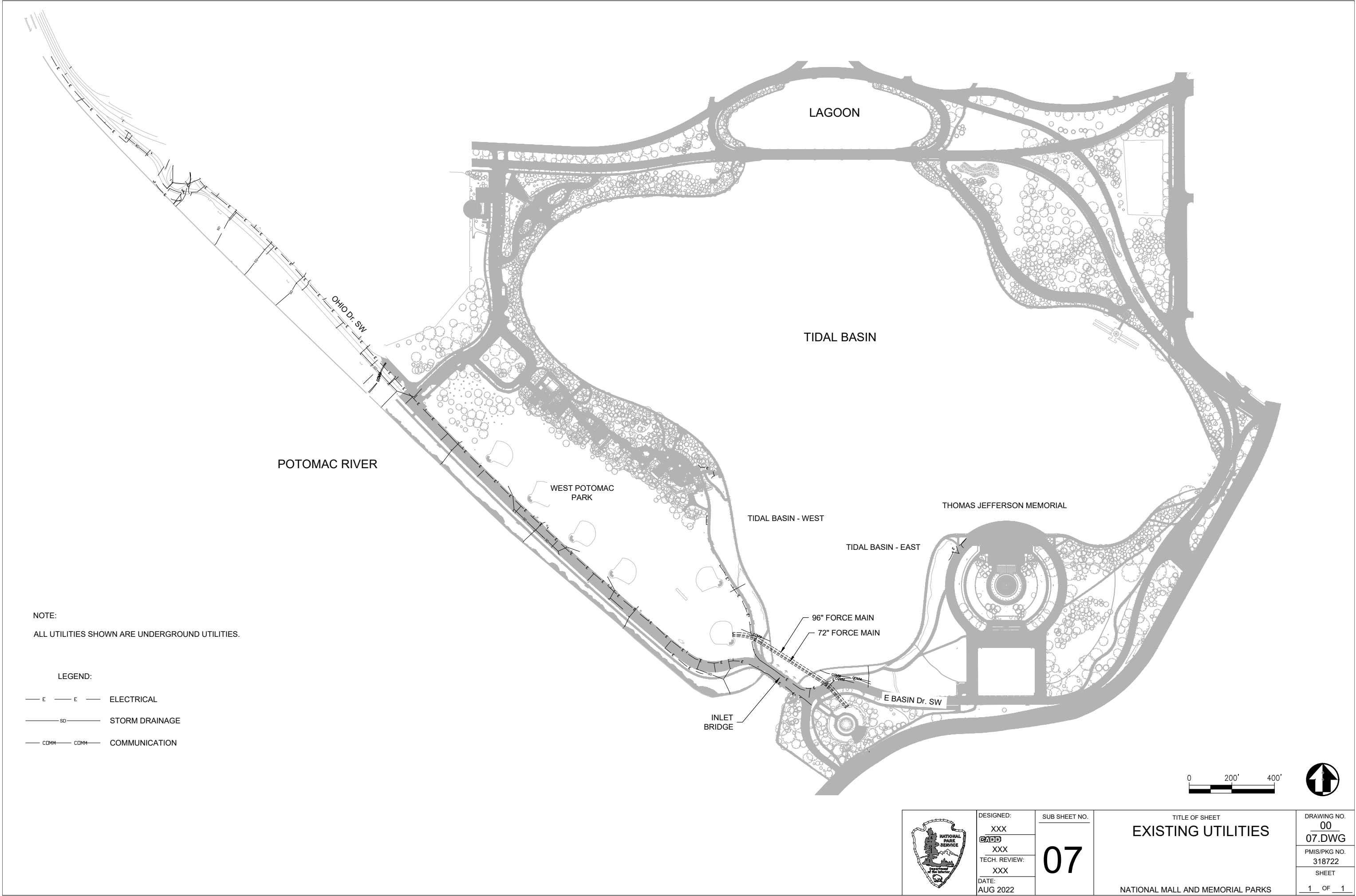
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	CADD XXX			06.DWG
	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET
				18 OF 21
NATIONAL MALL AND MEMORIAL PARKS				

EXHIBIT 7
EXISTING UTILITIES



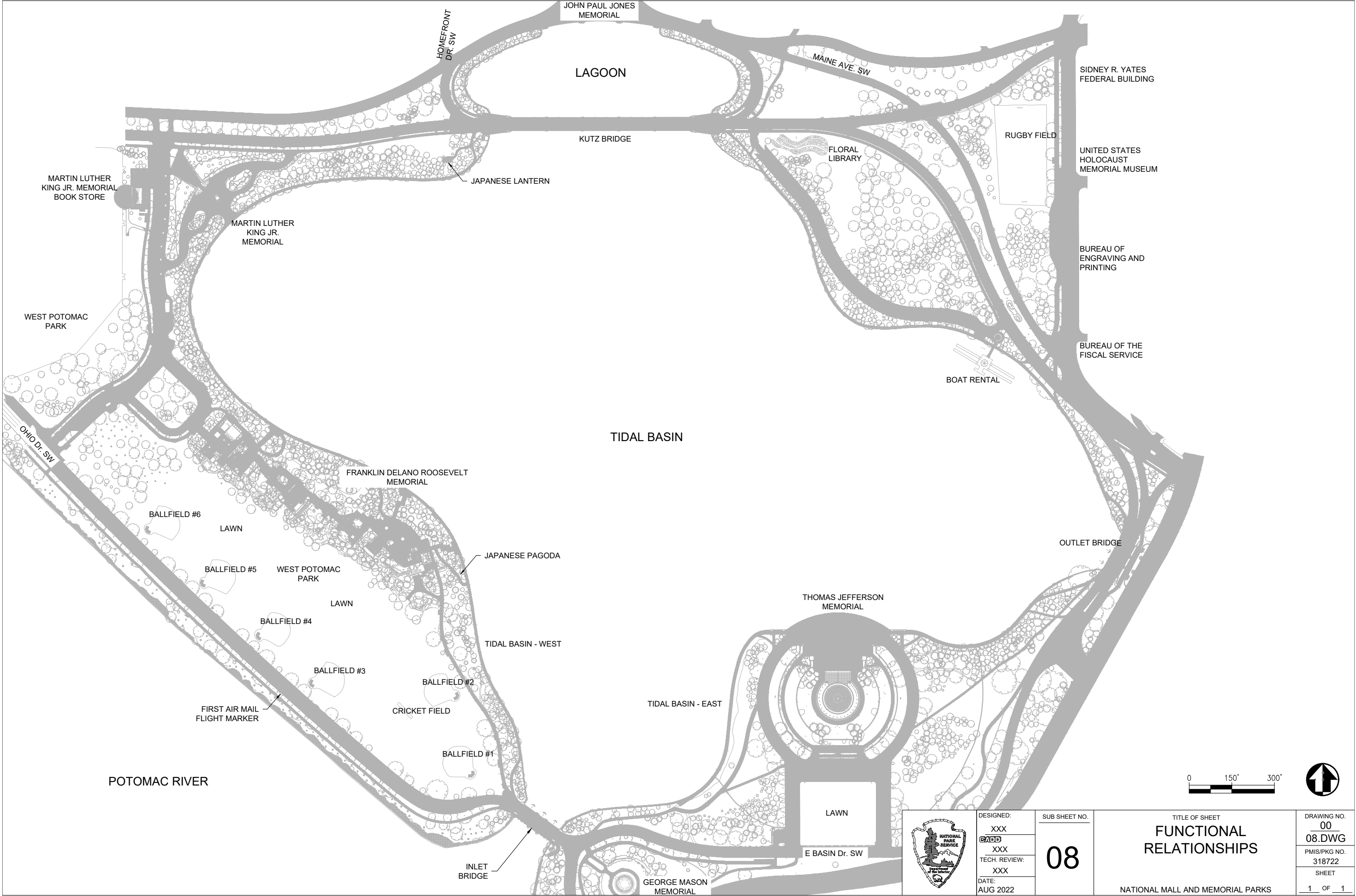
DESIGNED:
XXX
CADD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

SUB SHEET NO.
07

TITLE OF SHEET
EXISTING UTILITIES
NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
07.DWG
PMIS/PKG NO.
318722
SHEET
1 OF **1**

EXHIBIT 8
FUNCTIONAL RELATIONSHIPS




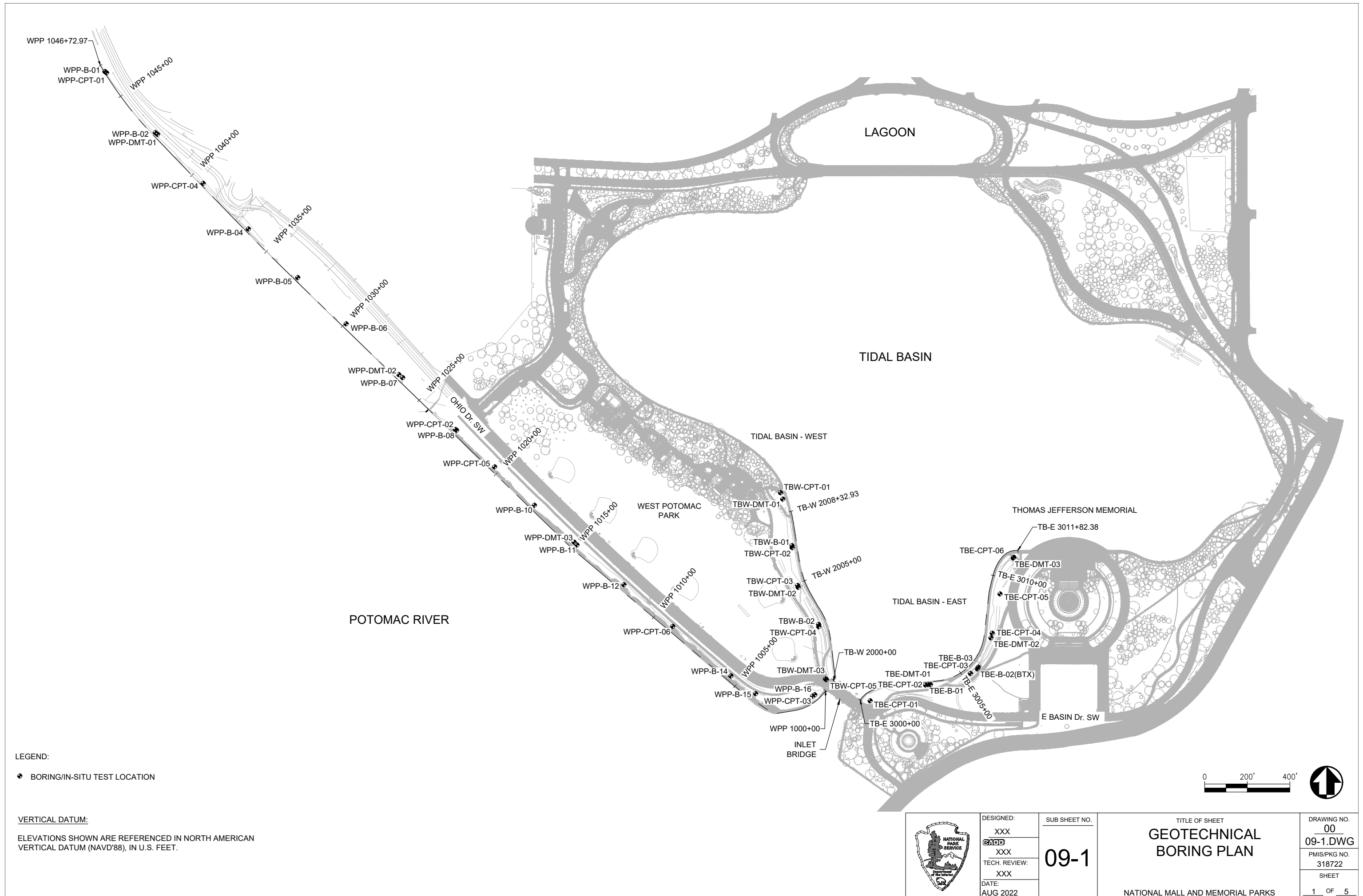
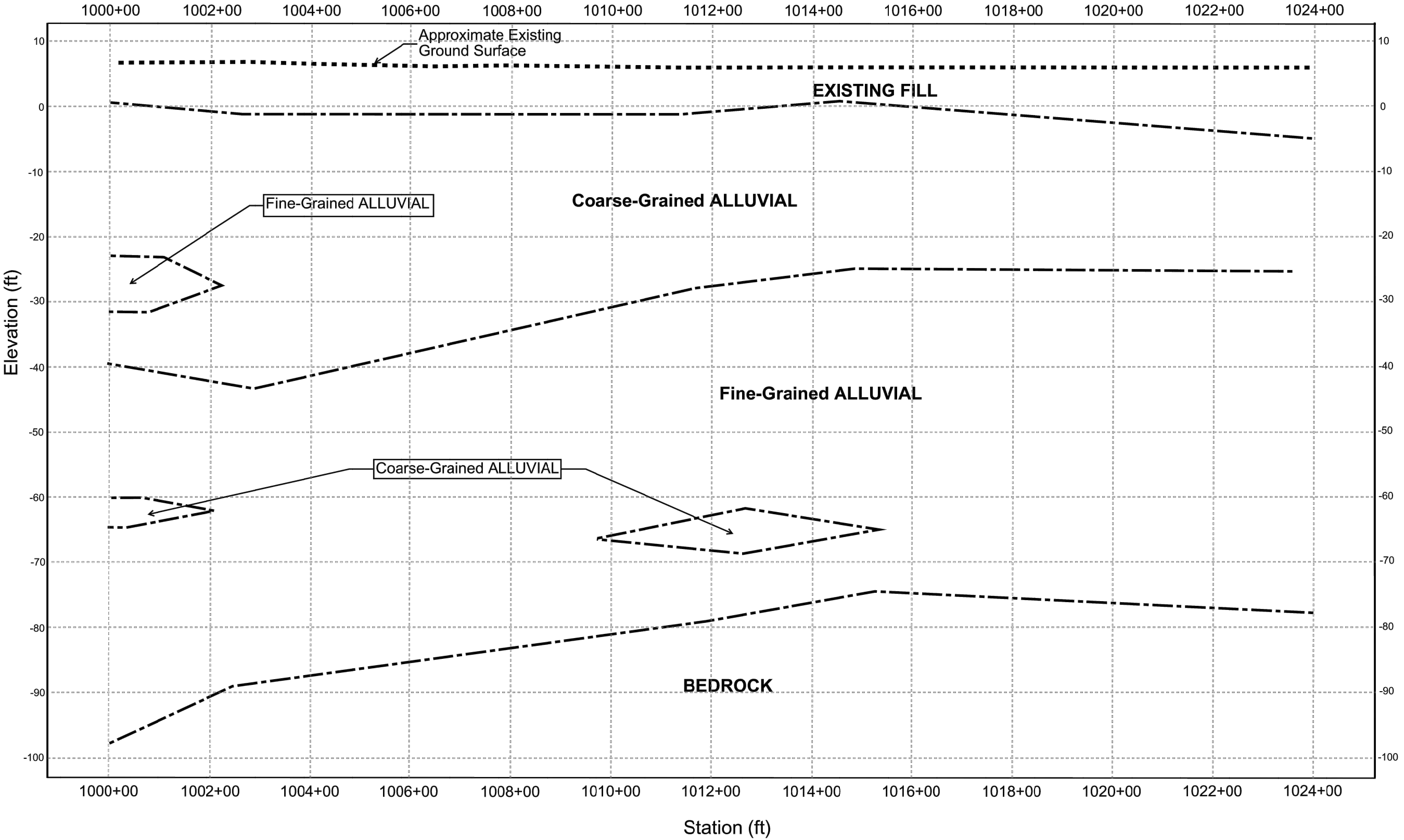
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	CADD XXX			PMIS/PKG NO. 318722
	TECH. REVIEW: XXX			SHEET
	DATE: AUG 2022			1 OF 1
NATIONAL MALL AND MEMORIAL PARKS				


EXHIBIT 9
GEOTECHNICAL

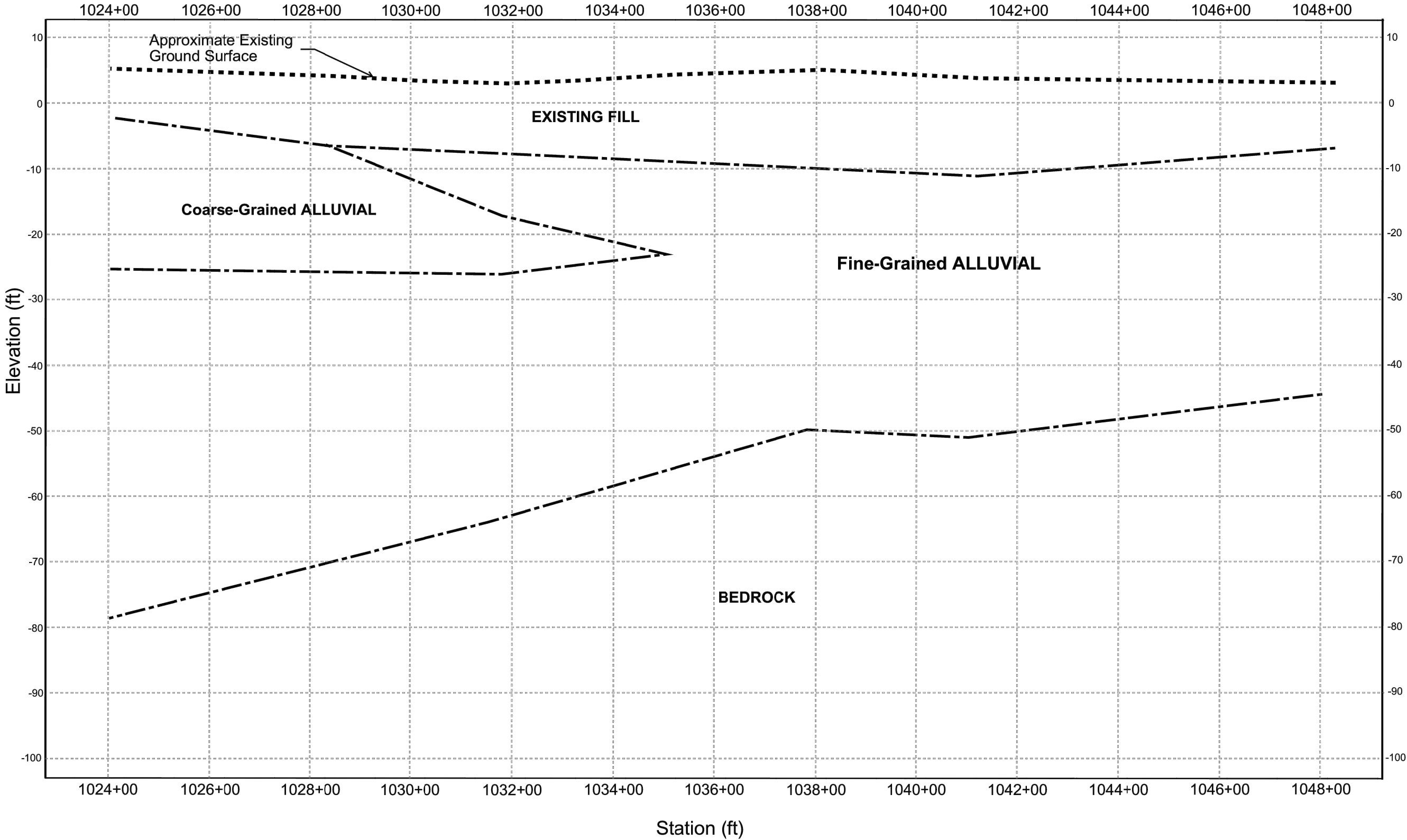




NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED IN NORTH AMERICAN VERTICAL DATUM (NAVD'88), IN U.S. FEET.
2. THE SUBSURFACE PROFILE MAY CHANGE AS ADDITIONAL SURFACE EXPLORATION DATA IS RECEIVED.
3. THE SUBSURFACE PROFILE DELINEATED ABOVE IS BASED ON DISCRETE EXPLORATION LOCATIONS, SHOWN ON THE GEOTECHNICAL BORING PLAN (SHEET 09-1), AND MAY BE SIGNIFICANTLY DIFFERENT AT OTHER LOCATIONS.

	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
	XXX			
	XXX			
	XXX			
	TECH. REVIEW:	09-2	CONCEPTUALIZED PRELIMINARY SUBSURFACE PROFILE WEST POTOMAC PARK 1 OF 2	PMIS/PKG NO.
DATE:	XXX			318722
AUG 2022			NATIONAL MALL AND MEMORIAL PARKS	SHEET
				2 OF 5



NOTES:

1. ELEVATIONS SHOWN ARE REFERENCED IN NORTH AMERICAN VERTICAL DATUM (NAVD'88), IN U.S. FEET.
2. THE SUBSURFACE PROFILE MAY CHANGE AS ADDITIONAL SURFACE EXPLORATION DATA IS RECEIVED.
3. THE SUBSURFACE PROFILE DELINEATED ABOVE IS BASED ON DISCRETE EXPLORATION LOCATIONS, SHOWN ON THE GEOTECHNICAL BORING PLAN (SHEET 09-1), AND MAY BE SIGNIFICANTLY DIFFERENT AT OTHER LOCATIONS.



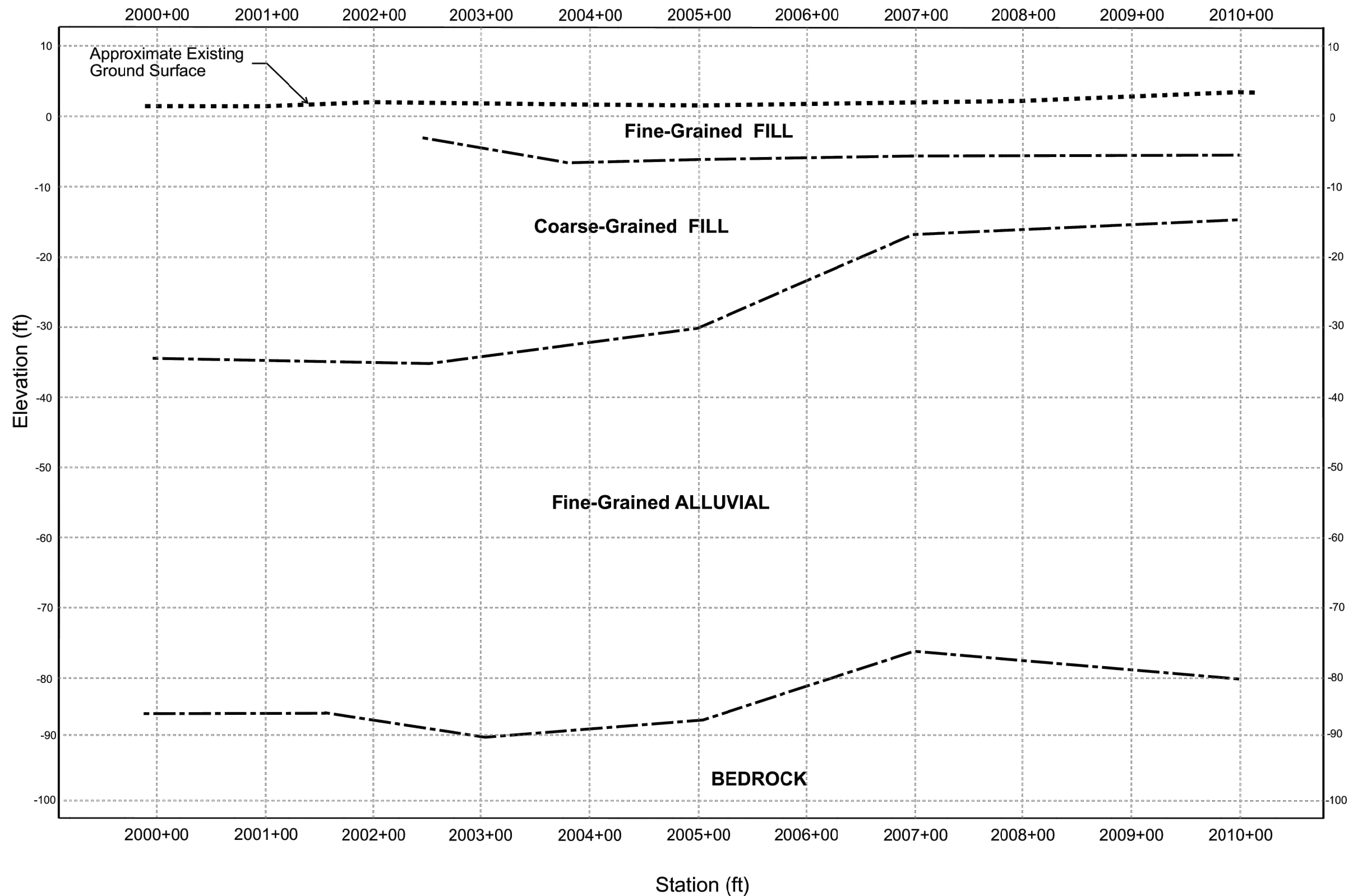
DESIGNED:
XXX
GADD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

SUB SHEET NO.

09-3


TITLE OF SHEET
**CONCEPTUALIZED PRELIMINARY
SUBSURFACE PROFILE
WEST POTOMAC PARK
2 OF 2**
NATIONAL MALL AND MEMORIAL PARKS

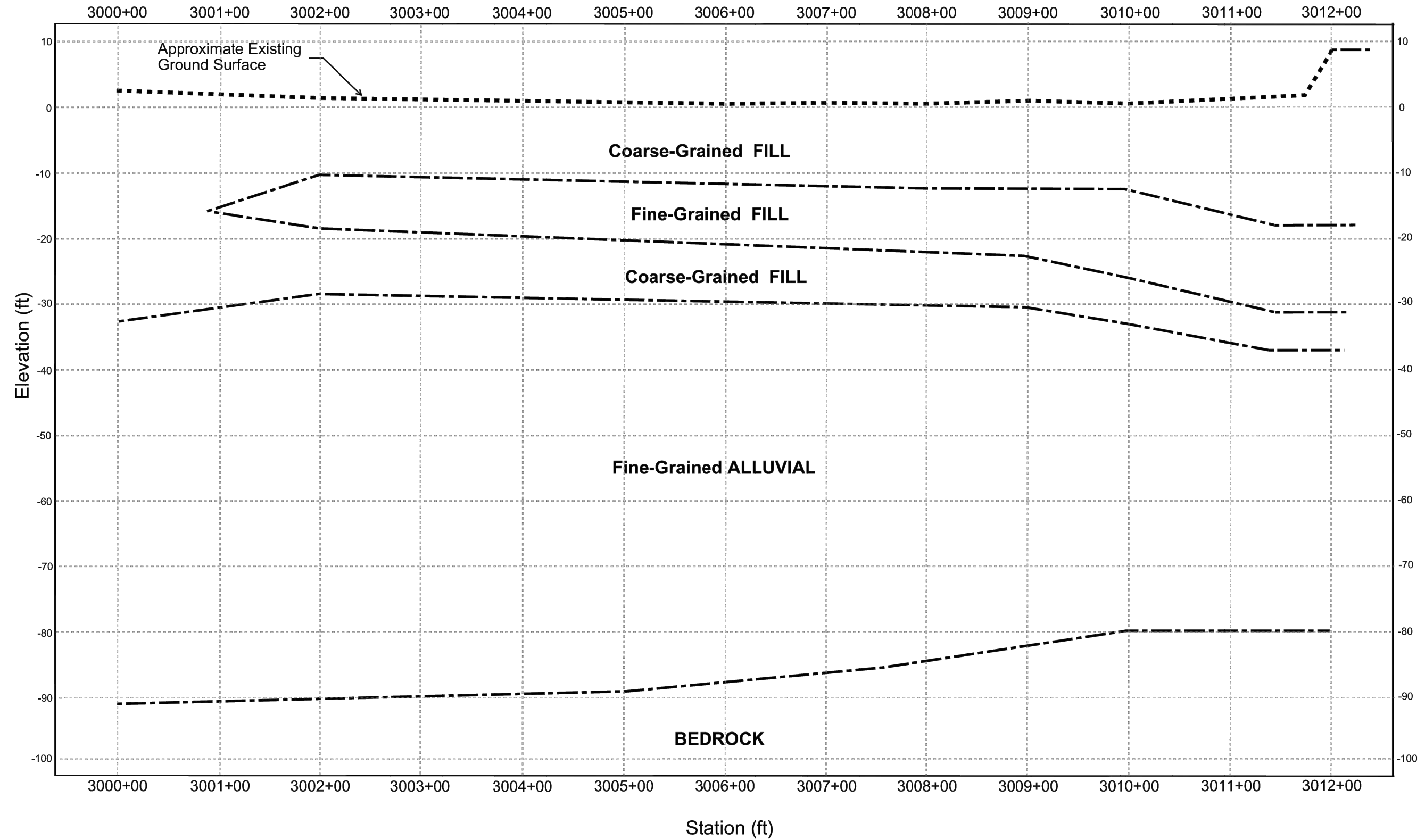
DRAWING NO.
00
09-3.DWG
PMIS/PKG NO.
318722
SHEET
3 OF **5**



NOTES:

- ELEVATIONS SHOWN ARE REFERENCED IN NORTH AMERICAN VERTICAL DATUM (NAVD'88), IN U.S. FEET.
- THE SUBSURFACE PROFILE MAY CHANGE AS ADDITIONAL SURFACE EXPLORATION DATA IS RECEIVED.
- THE SUBSURFACE PROFILE DELINEATED ABOVE IS BASED ON DISCRETE EXPLORATION LOCATIONS, SHOWN ON THE GEOTECHNICAL BORING PLAN (SHEET 09-1), AND MAY BE SIGNIFICANTLY DIFFERENT AT OTHER LOCATIONS.

	DESIGNED: XXX	SUB SHEET NO. 09-4	TITLE OF SHEET CONCEPTUALIZED PRELIMINARY SUBSURFACE PROFILE TIDAL BASIN - WEST	DRAWING NO. 00
	TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: AUG 2022			SHEET
				4 OF 5



- NOTES:
- 1. ELEVATIONS SHOWN ARE REFERENCED IN NORTH AMERICAN VERTICAL DATUM (NAVD'88), IN U.S. FEET.
 - 2. THE SUBSURFACE PROFILE MAY CHANGE AS ADDITIONAL SURFACE EXPLORATION DATA IS RECEIVED.
 - 3. THE SUBSURFACE PROFILE DELINEATED ABOVE IS BASED ON DISCRETE EXPLORATION LOCATIONS, SHOWN ON THE GEOTECHNICAL BORING PLAN (SHEET 09-1), AND MAY BE SIGNIFICANTLY DIFFERENT AT OTHER LOCATIONS.



DESIGNED:
XXX
GADD
XXX
TECH. REVIEW:
XXX
DATE:
AUG 2022

SUB SHEET NO.

09-5

TITLE OF SHEET
**CONCEPTUALIZED PRELIMINARY
SUBSURFACE PROFILE
TIDAL BASIN - EAST**

NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
09-5.DWG
PMIS/PKG NO.
318722
SHEET
5 OF 5