

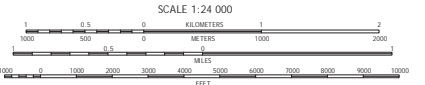
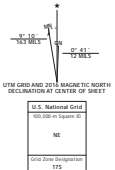
**CHAPTER 105 – JOINT PERMIT  
MASONTOWN BOROUGH  
RIVERSIDE RECREATION AREA**







Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84) Projection and  
1 000-meter grid. Universal Transverse Mercator, Zone 17S  
18 000-foot ticks. Pennsylvania Coordinate System of 1983  
(south zone).  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands with government  
reservations may not be shown. Obtain permission before  
entering private lands.  
Imagery: ..... NADP, June 2013  
Roads: ..... U.S. Census Bureau, 2015 - 2016  
Names: ..... GNS, 2016  
Hydrography: ..... National Hydrography Dataset, 2012  
Contours: ..... National Elevation Dataset, 2010  
Boundaries: ..... Multiple sources; see metadata file 1972 - 2016  
Wetlands: ..... FWS National Wetlands Inventory 1977 - 2014



SCALE 1:24 000  
CONTOUR INTERVAL 20 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
This map was produced to conform with the  
National Geospatial Program US Topo Product Standards, 2011.  
A metadata file associated with this product is url:wpk:usa:6:19



ROAD CLASSIFICATION

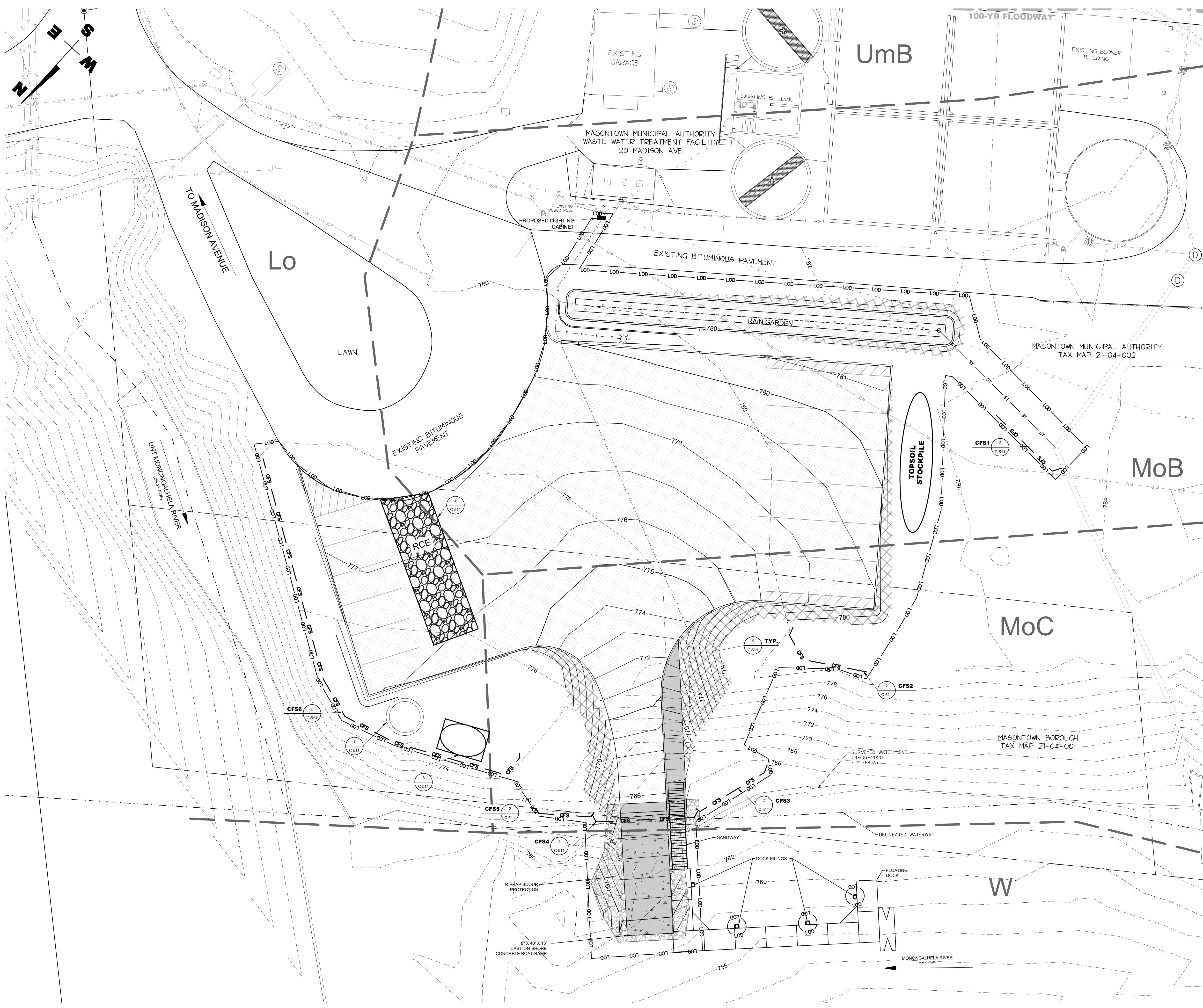
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

1	2	3	1 Mather
4	5	6	2 Carmichaels
7	8	9	3 New Salem
			4 Gettysburg
			5 Smithfield
			6 Disage
			7 Masontown North
			8 Lake Lynn

ADJOINING QUADRANGLES







LEGEND	
	LIMIT OF DISTURBANCE
	PROPOSED INDEX CONTOURS
	PROPOSED INTERMEDIATE CONTOURS
	EXISTING INDEX CONTOURS
	EXISTING INTERMEDIATE CONTOURS
	SOIL BOUNDARY
	SOIL TYPE
	STREAM
	COMPOST FILTER SOCK
	ROCK CONSTRUCTION ENTRANCE
	EROSION CONTROL MATTING
	RIPRAP OUTLET PROTECTION
	PUMPED WATER FILTER BAG
	CONCRETE WASHOUT

- CONSTRUCTION SEQUENCE**
- At least 7 days prior to starting any earth disturbance activities (including clearing and grubbing), the owner and/or operator shall invite all contractors, the landowner, appropriate municipal officials, the E&S plan preparer, the PCSM plan preparer, and a representative from the local county conservation district to an on-site preconstruction meeting.
  - Upon installation or stabilization of all perimeter sediment control BMPs and at least 3 days prior to proceeding with the bulk earth disturbance activities, the permittee or co-permittee shall provide notification to the Department or authorized conservation district.
  - At least 3 days prior to starting any earth disturbance activities, or expanding into an area previously unmarked, the Pennsylvania One Call System Inc. shall be notified at 1-800-242-1776 for the location of existing underground utilities.
  - All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved by the local county conservation district or by the Pennsylvania Department of Environmental Protection prior to implementation. Each step of the sequence shall be completed before proceeding to the next step, except where noted.
    - Clearly flag the limits of disturbance. - 1 day
    - Install Rock Construction Entrance. - 1 day
    - Install Compost Filter Socks CFSS1 thru CFSS6. - 1 day
    - Clear and grub and strip and stockpile topsoil. 2-days
    - Rough grade site to subgrade elevation, excluding area within the Monongahela's OHWM (below compost filter sock CFS4). - 30 days
    - As soon as slopes, channels, ditches, and other disturbed areas reach final grade, they must be stabilized. If work activity ceases for more than 4-days, temporary stabilization shall be installed.
    - Construct Rain Garden and install outlet structure and pipe per the PCSM Plan and details. - 15 days
    - Install the concrete washout. - 1 day
    - Install all underground utilities and light poles. 15 days
    - Begin each utility line installation by ensuring that the down slope erosion and sediment controls are in place and maintained.
    - Begin excavation, the total length of excavated utility line trench open at any one time should not be greater than the total length of line that can be placed in the trench and backfilled in one working day.
    - Install the utility lines and appurtenances and begin backfill as soon as possible within the same working day. Backfill shall include stabilization of the work area with either temporary seed and mulch or final stabilization of the area.
    - In no case shall more than 50-feet of open trench remain at the end of any work day.
    - Protect subgrades from softening, undermining, washout and damage by rain or water accumulation. If water must be pumped from disturbed areas, a pumped water filter bag must be utilized. The filter bag shall be located in a well-vegetated area and discharge onto stable erosion-resistant areas - 1 day
    - Remove compost filter sock CFS4 and grade ramp area to subgrade elevation and install ramp base stone material.
    - Construct/install concrete ramp, concrete deadman, dock piling and riprap scour protection per details. - 30 days
    - Install new curbs, sidewalk and asphalt pavement. - 20 days
    - Install floating dock. - 1 day
    - Working from the existing Storm Sewer connection in the upstream direction, install drainage piping and inlets. Construct Rain Garden and install the riser structure, underdrain and connect to the storm sewer pipe. - 15 days
    - Final grade all areas, seed and mulch. 5 days
    - Upon achieving a uniform 70% perennial vegetative cover in all areas remove the compost filter socks, inlet protection and any temporary erosion and sediment control devices. Seed and mulch all disturbed areas resulting from the removal of the temporary devices.

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COMMONWEALTH OF PENNSYLVANIA  
 REGISTERED PROFESSIONAL ENGINEER  
 ROBERT W. SLEIGHTER  
 No. 045884-L  
 Robert W. Sleighter

**RIVERSIDE RECREATION AREA**  
 MADISON AVENUE  
 MASON TOWN, PA 15461

**MASON TOWN BOROUGH**  
 J.E. CHURCH AVENUE  
 MASON TOWN, PA 15461

PROJECT OWNER

REVISION		
NO.	DATE	DESCRIPTION

DATE OCTOBER 13, 2020	PROJECT NUMBER S19-087-02
DESIGNED AER	DRAWN BHW
CHECKED AER	

SHEET NAME

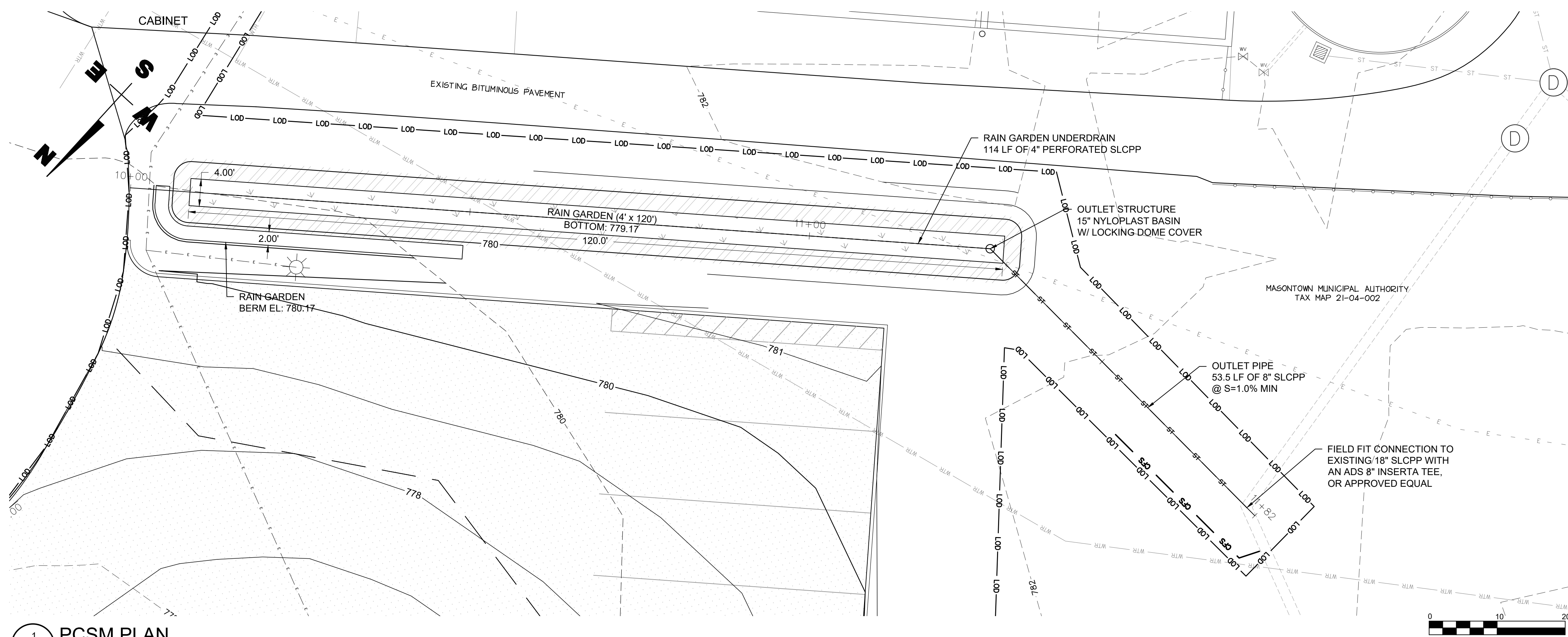
E&S PLAN

SHEET NUMBER  
C-110

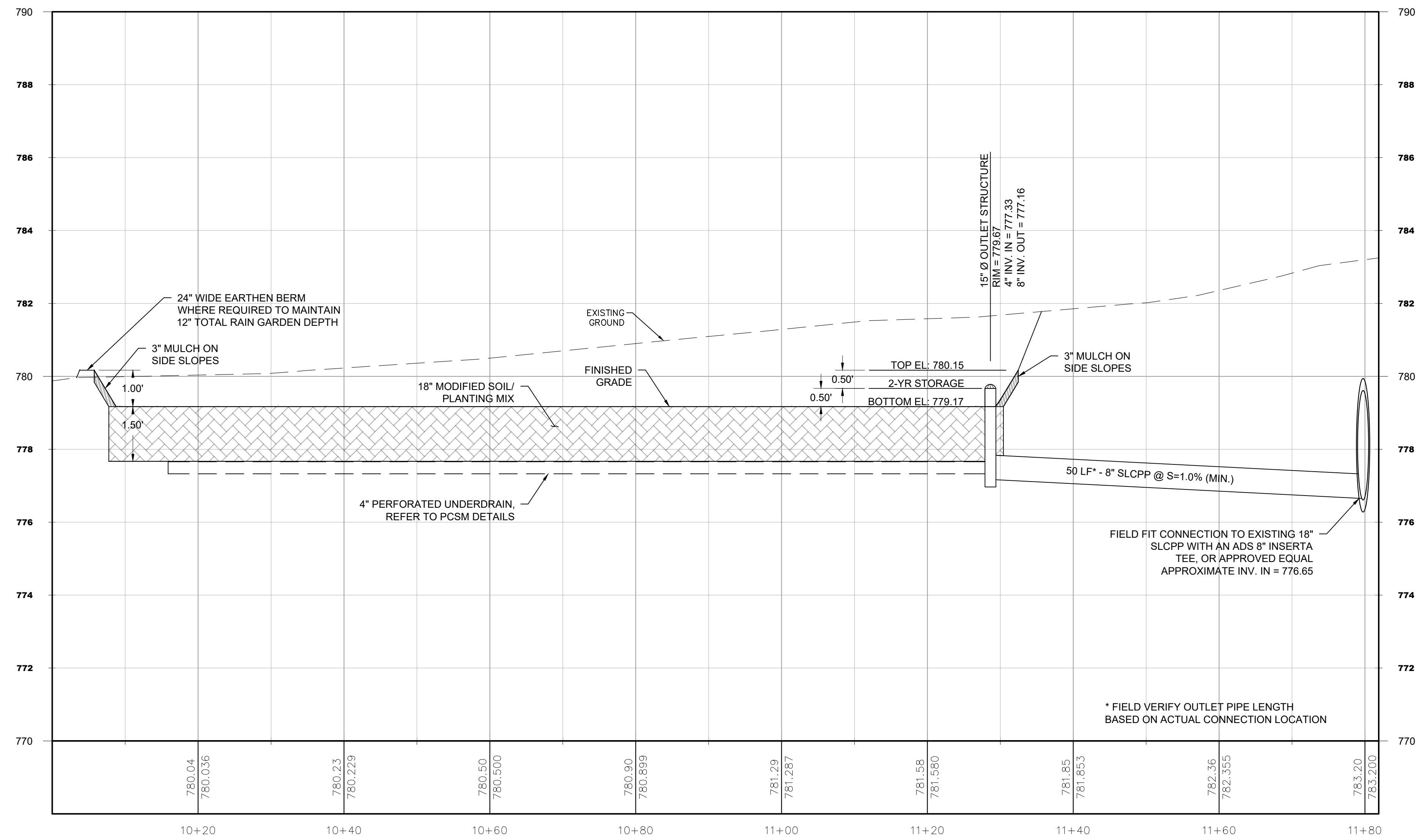
1 E&S PLAN  
 C-110 SCALE: 1:15

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1 PCSM PLAN  
C-120 SCALE: 1:10



2 RAIN GARDEN PROFILE  
C-120 SCALE: HORZ: 1"=10' | VERT: 1"=2'

LEGEND	
	NPDES PERMIT BOUNDARY
	LIMIT OF DISTURBANCE
	PROPOSED INDEX CONTOURS
	PROPOSED INTERMEDIATE CONTOURS
	EXISTING INDEX CONTOURS
	EXISTING INTERMEDIATE CONTOURS
	STREAM
	COMPOST FILTER SOCK
	STORM SEWER PIPE
	PERFORATED UNDERDRAIN PIPE
	STORMWATER RISER STRUCTURE
	RAIN GARDEN PLANTING AREA
	RAIN GARDEN MULCH AREA

- PCSM BMP INSTALLATION SEQUENCE**
1. Refer to Erosion and Sediment Control Plans for guidance on when PCSM BMP installation shall take place.
  2. Excavate the rain garden and install the outlet control structure, underdrain and outlet pipe. Do not compact the underlying soils.
  3. Install the soil mixture, mulch and plantings.
  4. Once the site is stabilized, inspect the basin and perform maintenance activities as required.

- CRITICAL STAGE OF CONSTRUCTION**
1. The installation of the Rain Garden IS considered a critical stage of construction requiring inspection and certification by the engineer. The contractor is responsible to notify the owner and engineer, and schedule the inspection a minimum of 72 hours prior to beginning construction.

- OPERATION & MAINTENANCE SCHEDULE**
- The property owner is responsible for operation and maintenance of the PCSM BMP's as follows:
- Storm Inlets, Pipes & Channels**
1. Inspect every 6 months. Inspect when it is apparent that facilities are not functioning properly.
  2. Clean debris and accumulated sediment when present.
  3. Replace or repair facilities so as to function as intended.
  4. Replace eroded material and re-vegetate eroded areas as needed.
- Rain Garden**
5. Inspect every six (6) months.
  2. Clean debris and accumulated sediment when present.
  3. Replace or repair facilities so as to function as intended.
  4. Replace eroded material and re-vegetate eroded areas as needed.

- PCSM BMP CERTIFICATION**
1. The engineer shall be present during the critical stages of installation. The contractor shall notify the owner and engineer and schedule an inspection and certification by the engineer.

- RECYCLING & DISPOSAL OF MATERIALS**
1. Recycled Materials: The collected sediment will be mixed into soil fill areas/stock piles.
  2. Construction Wastes: All materials not applicable to be placed as fill will be considered construction demolition debris and must be taken to a PADEP approved land fill.

**MUNICIPAL ACCESS EASEMENT**

The property owner has granted an access easement to the municipality. This easement will allow agents of the municipality to enter the property at any time for the purpose of inspecting stormwater components. Stormwater components will include all conveyance and detention/retention systems on the property. Stormwater components will include but are not limited to storm inlets, manholes, pipes channels and underground detention systems.

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**MASONTOWN BOROUGH**  
1 E. CHURCH AVENUE  
MASONTOWN, PA 15461

REVISION		
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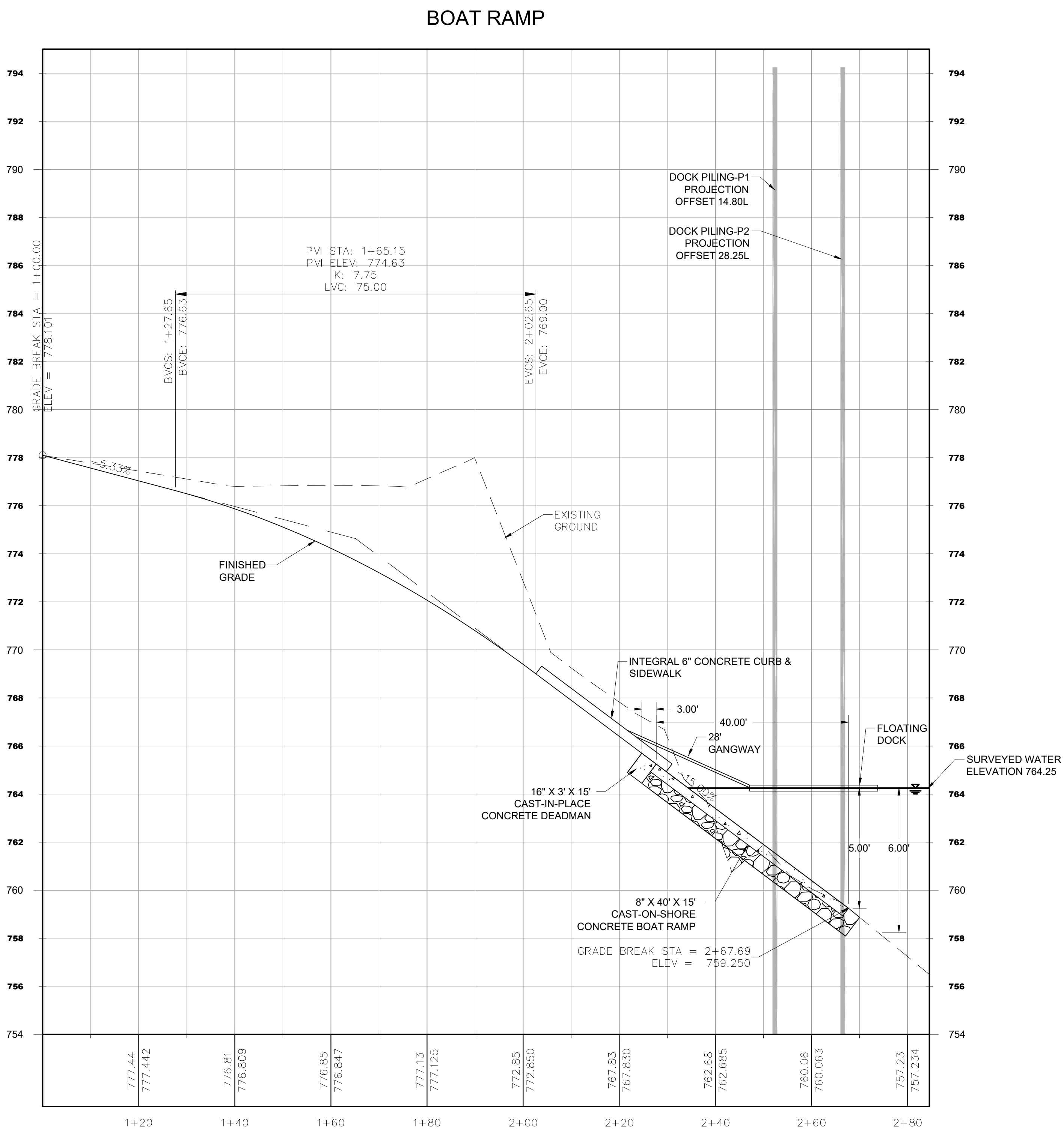
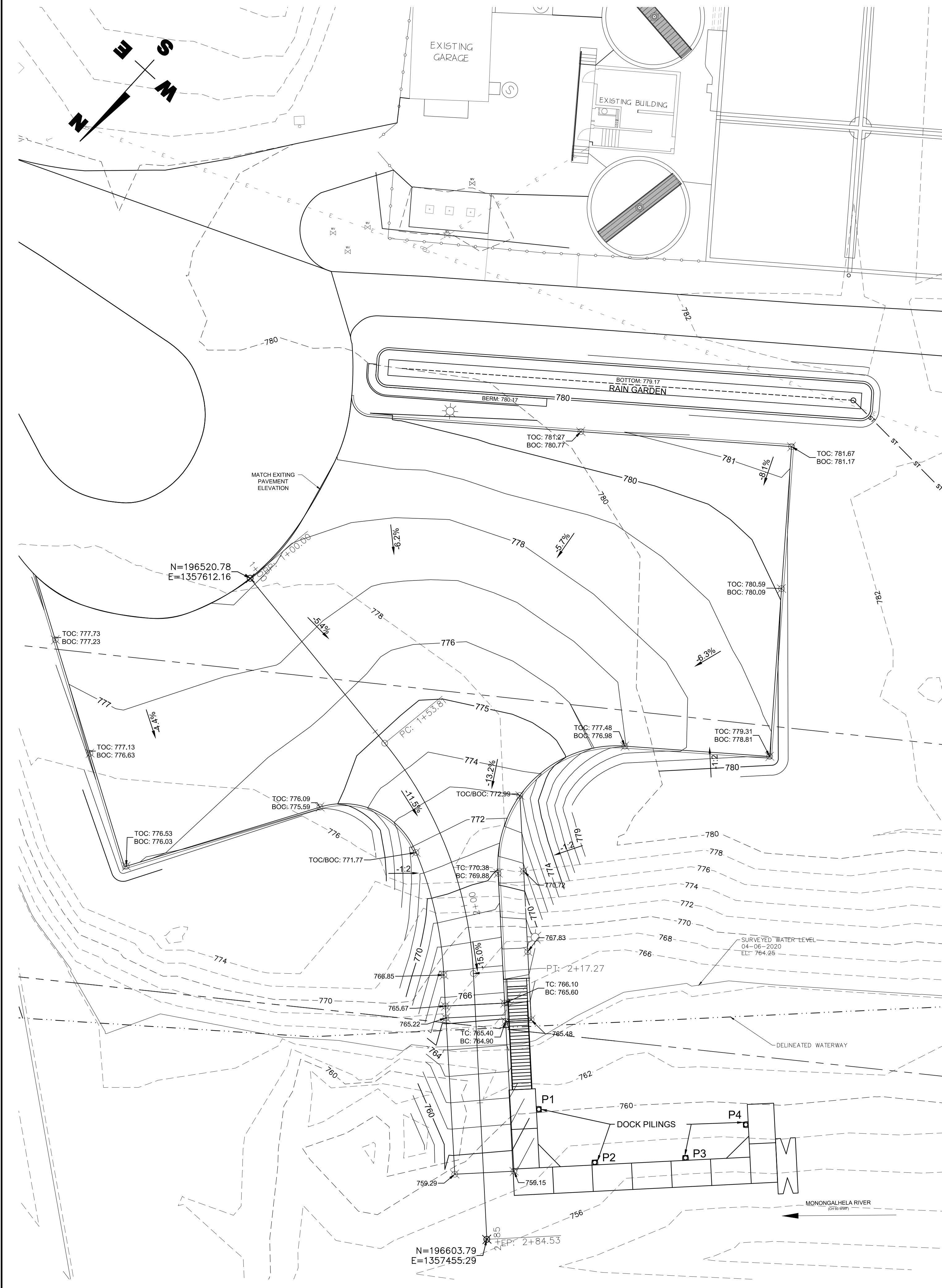
DESIGNED	DRAWN	CHECKED
AER	BHW	AER

SHEET NAME  
**PCSM PLAN**

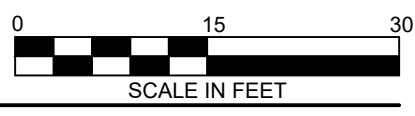
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**C-120**

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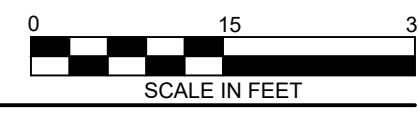




1 GRADING PLAN  
C-200 SCALE: 1:15



2 BOAT RAMP PROFILE  
C-200 SCALE: HORZ = 1:15 | VERT = 1:3



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MASONTOWN, PA 15461

PROJECT: REVISION

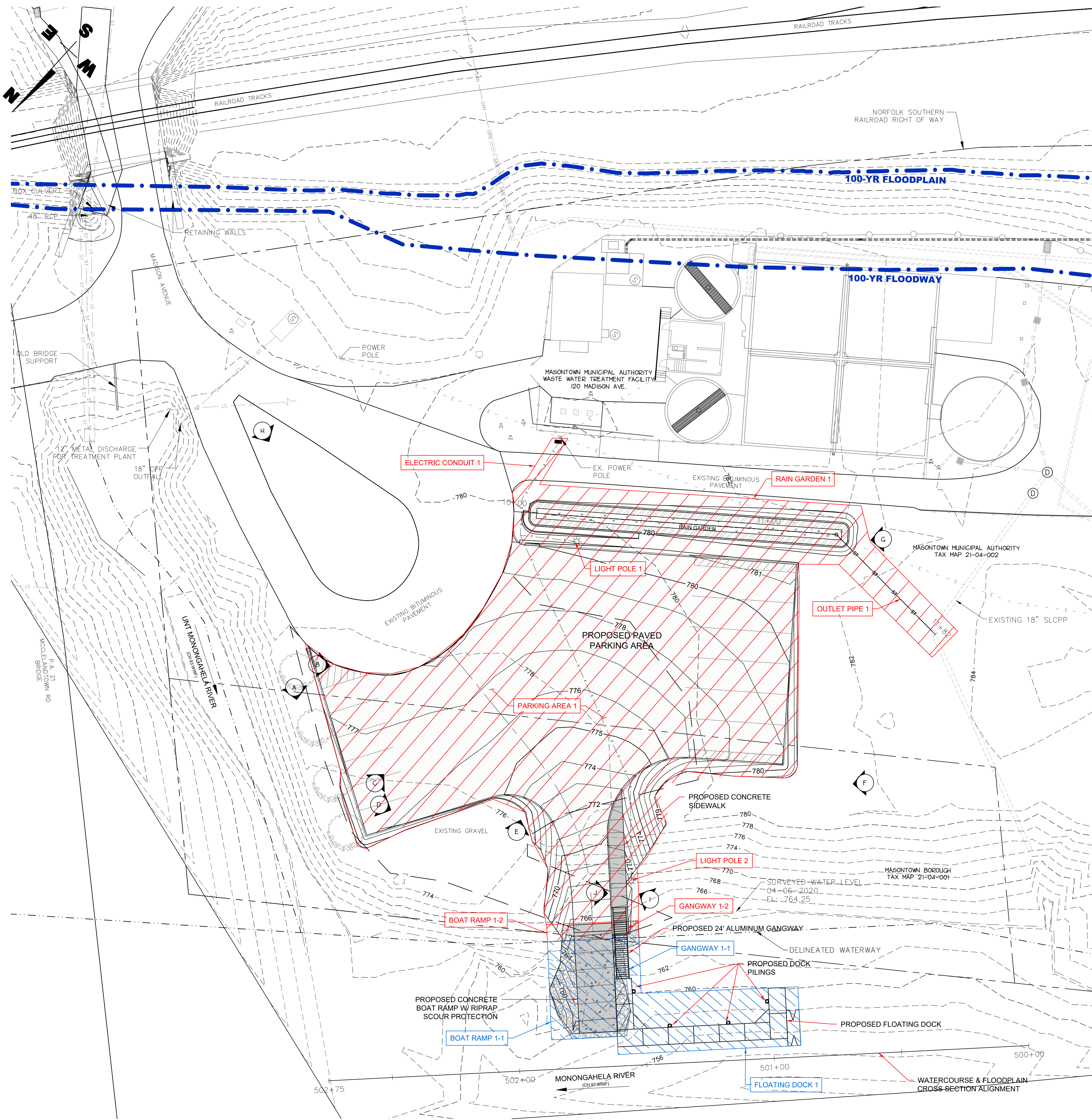
NO.	DATE	DESCRIPTION

DATE: OCTOBER 13, 2020	PROJECT NUMBER: S19-087-02
DESIGNED: AER	DRAWN: BHW
CHECKED: AER	

SHEET NAME: **GRADING PLAN AND BOAT RAMP PROFILE**  
SHEET NUMBER: **C-200**

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IMPACTS	
FLOATING DOCK 1: INSTALLATION OF A PERMANENT FLOATING DOCK WITH PILING PROJECTING INTO THE WATERCOURSE. WC: 7'1" X 28'	
GANGWAY 1-1: INSTALLATION OF A GANGWAY ATTACHED TO THE FLOATING DOCK PROJECTING INTO THE WATERCOURSE. WC: 5' X 20'	
GANGWAY 1-2: INSTALLATION OF A GANGWAY ATTACHED TO THE FLOATING DOCK PROJECTING INTO THE FLOODWAY. FW: 5' X 10'	
BOAT RAMP 1-1: CONSTRUCTION OF PROPOSED BOAT RAMP WITH SCOUR PROTECTION AND 24' GANGWAY IN WATERCOURSE. WC: 38' X 39'	
BOAT RAMP 1-2: CONSTRUCTION OF PROPOSED BOAT RAMP WITH SCOUR PROTECTION AND SIDEWALK IN FLOODWAY. FW: 38' X 7'	
PARKING AREA 1: EXCAVATION AND CONSTRUCTION OF A PAVED PARKING AREA AND CONCRETE SIDEWALK IN FLOODWAY. FW: 17,413 SF	
RAIN GARDEN 1: EXCAVATION AND CONSTRUCTION OF A RAIN GARDEN PCSM BMP IN FLOODWAY. FW: 138' X 24'	
OUTLET PIPE 1: EXCAVATION AND INSTALLATION FOR AN OUTLET PIPE FROM THE RAIN GARDEN TO AN EXISTING STORM SEWER PIPE IN FLOODWAY. FW: 15' X 48'	
ELECTRIC CONDUIT: EXCAVATION AND INSTALLATION FOR ELECTRICAL CONDUIT IN FLOODWAY. FW: 5' X 22'	
LIGHT POST 1: INSTALLATION OF A LIGHT POST IN FLOODWAY. FW: 2' X 2'	
LIGHT POST 2: INSTALLATION OF A LIGHT POST IN FLOODWAY. FW: 2' X 2'	

LEGEND	
	SITE PHOTO NUMBER
	WATERCOURSE IMPACTS
	FLOODWAY IMPACTS

NOTE:  
 1. ALL EXCESS CUT MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.  
 2. CONTRACTOR TO AVOID THE INTRODUCTION OF NATIVE SPECIES BY CLEANING EQUIPMENT BEFORE BRINGING TO SITE AND ONLY USING MULCH, SEED AND PLANTINGS SPECIFIED IN THE APPROVED EROSION AND SEDIMENT CONTROL PERMIT.

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CHECKED: AER	

SHEET NUMBER  
**C-300**

