# December 2014 Proposed Amendment to the Meacham Lake Campground UMP (August 1993)

## Motorized Boat launch relocation and construction

### I. Background

In accordance with the Adirondack Park State Land Master Plan and the provisions of the 1985 Memorandum of Understanding between the Adirondack Park Agency and the Department of Environmental Conservation, the following amendment to the Meacham lake Public Campground Unit Management Plan (UMP)/Environmental Impact Statement (EIS) is proposed.

The proposed amendment pertains to the construction of an improved boat launch site to replace the present and inadequate launch. Cited in the final approved UMP/EIS Volume II, in section IV, objective H – Boat Launch Site Improvement. This section contains a general description of the ideal launch site. Section II, subsection A, sub subsection 7, contains a description of the current inadequate boating facilities (see full UMP/EIS). Some of the Major deficiencies and characteristics of the current launch described in the 1993 UMP/EIS are below;

- Inadequate grade at 3.5%
- Parking for 50 vehicles with trailers (which is actually only approximately 25)
- Ice damage an annual problem
- Only public access point to Meacham Lake
- Extremely shallow
- Improvements not possible at current site.
- The old launch site will have the docks and motorized access removed and be maintained as an ice access point and car top launch.

The 1993 UMP also outlines data on usage statistics showing a maximum boat density on the Campgrounds busiest days at 15 acres/boat present. The plan also outlines criteria for the new launch which are summarized below;

- Ideally a 14% grade launch ramp
- Adequate access road
- Double wide concrete ramp
- Floating Docks
- Parking for 50 cars with trailers
- Bulkhead and/or shore protection
- Funding and permits to complete the project
- A UMP amendment

It should also be noted that DEC's launch on Meacham is the only public launch/access point to the lake. The lake itself has very low public use and the majority of the use (approximately 63%) are campers staying at the park.

### II. Selection and Development of the Proposed Launch

Careful consideration for resource protection, facility function, and environmental impact(s) were taken during the planning phase for this project. Four potential sites where selected after review of the accessible portions of the shoreline (see attachment 1). Sites 1 -3 were ruled out due to wetlands, environmental impacts, inadequate depths, resource impacts, and cost analysis.

Site 4 was selected as the only site which met all requirements for a motorized boat launch site (see attachments 2 & 3).

1. The proposed site (4) is located in the campground intensive use area just south of campsite 173. Site 174 will be removed as part of this project (attachment 4).
2. The selected site already has a paved road leading to it, which will accommodate vehicles with trailers.
3. It is the only site with appropriate depths to achieve a 14% grade (attachment 5).
4. The launch area is protected from wind and wave action.
5. There are no wetlands located at this site.
6. There are no adjacent land owners affected by this project.

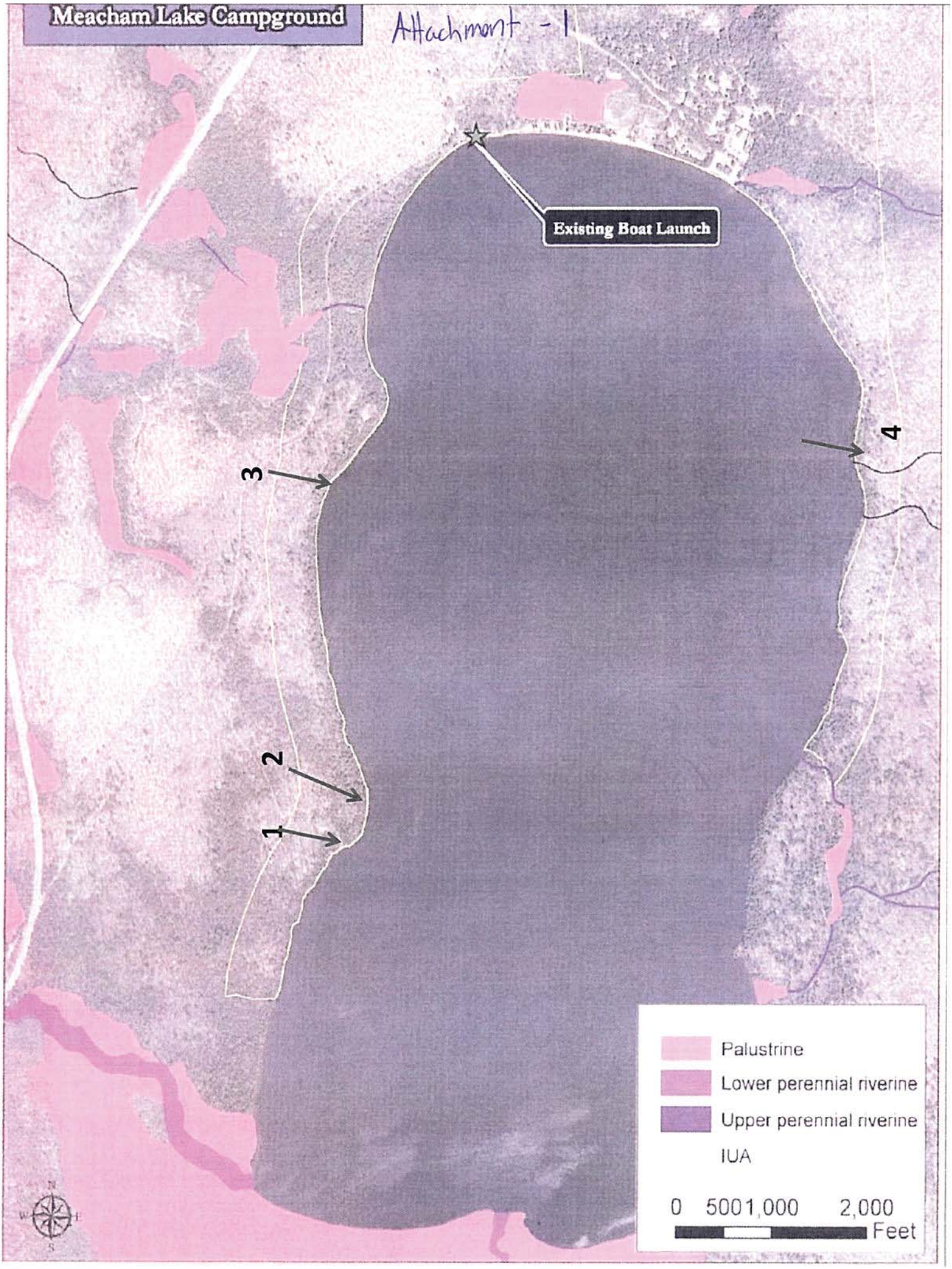
The full construction detail is included in this plan (attachment 6). Some of the main design specifications are listed below.

1. Paved parking for 15 vehicles with Trailers and 6 vehicle only spots, including accessible spaces (21 total parking spaces).
2. 2 50' vehicle turnarounds.
3. An invasive disposal area and kiosk with invasive and fisheries information.
4. A single lane concrete launch ramp
5. A boating staging area.
6. All existing vegetation along shoreline buffer will be protected and maintained. As well as supplemented with additional native plantings to increase storm water retention, protect from erosion, and provide more vegetative screening. Plantings will be 3' to 4' for shrubs and 10' to 12' for tress, which is larger than normal and will facilitate their function.

The launch will provide less parking than was originally set forth in the 1993 UMP/EIS, by 29 spots. Unfortunately the topography and developable area will not allow for the specified 50 spaces. However this will limit capacity to at or below current usage. If there is the need to have overflow parking, within a quarter mile of this site is the Campground day use parking area, which has capacity for 432 cars and will provide more than enough extra spaces. Furthermore the majority of campers park their boats and trailers at or across from their campsite, which will allow for the majority of use to be day users.

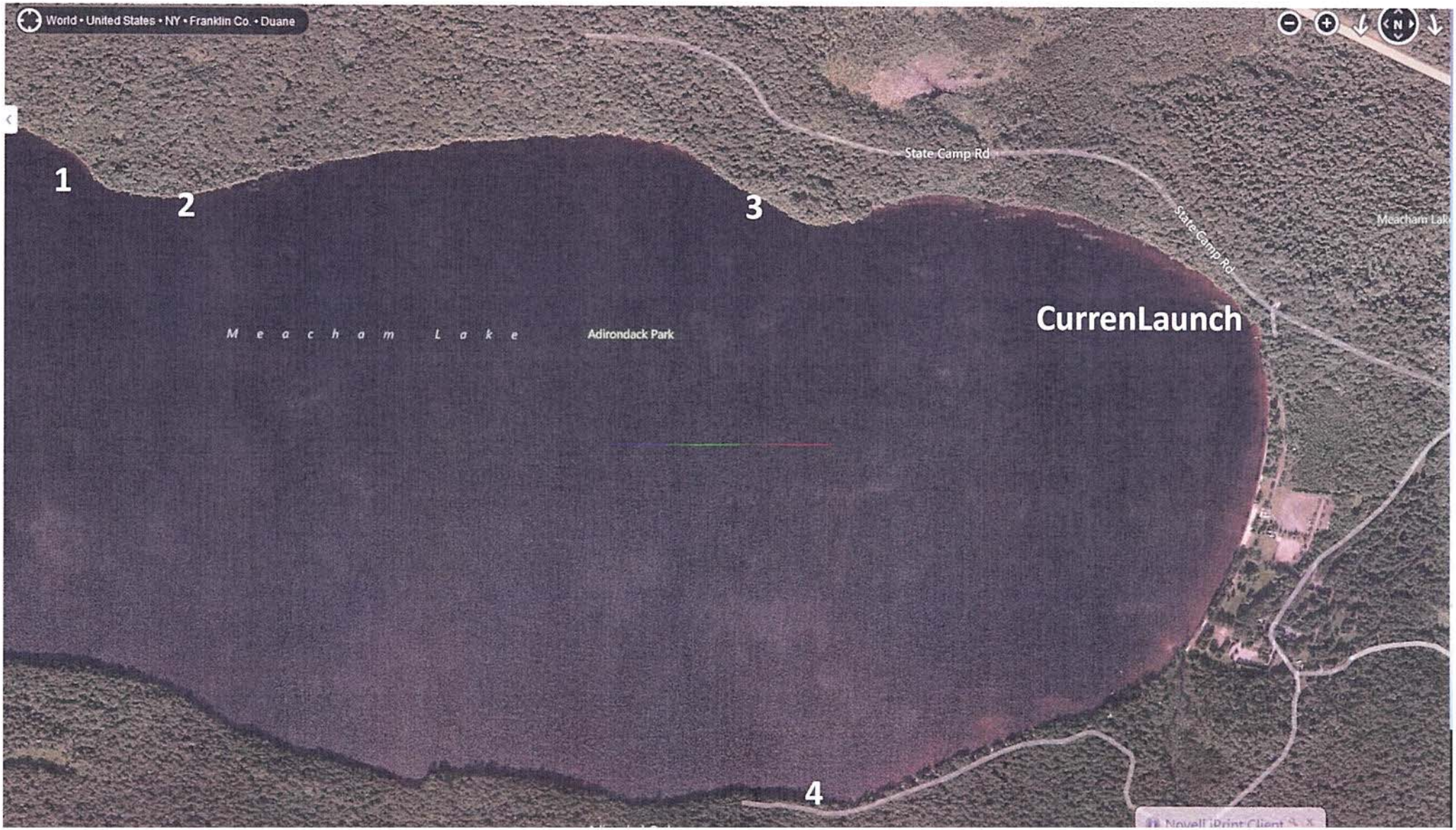
Invasive species control signs and informational handouts will be available at this Boat Launch at the control booth and kiosk(s) points. In addition, an invasive species disposal box will be located at the launch. The Department will continue to provide space for Lake Stewards. Campground staff will be trained in the identification and control of invasive species in an effort to educate the public and prevent the introduction or spreading of invasive species. Use of a boat wash station was also considered for this site. The Department may include a boat wash station in the future at this Boat Launch or in another location within the Intensive Use Area. The location of the Boat Wash Station will be made in consultation with the Agency if the Department chooses to implement this facility.

Permits for the project are anticipated without any major issues. The launch will not impact wetlands, and will include a push slab and floating docks which will qualify the project under a nationwide permit from the Army CORPS. The project is under one acre of soil disturbance and therefore will not require a SWPP. It is most likely that this project will not require a water quality certification. A tree cutting list will be submitted with the final drawings and designs to the APA and NYS DEC. All aspects of the project will be compliant with the APSLMP. Planning and review is anticipated to be completed by March 2015. Project bidding would take place in the spring of 2015. Construction to begin on the day after Labor Day 2015 with a completion date of December 1st 2015 and be immediately open to the public.


Meacham Lake Campground
Attachment - 1
Existing Boat Launch
1
2
3
4
Palustrine
Lower perennial riverine
Upper perennial riverine
IUA
0 500 1,000 2,000
Feet

Attachment - 2

# Whole park with paved roads marked and sites marked

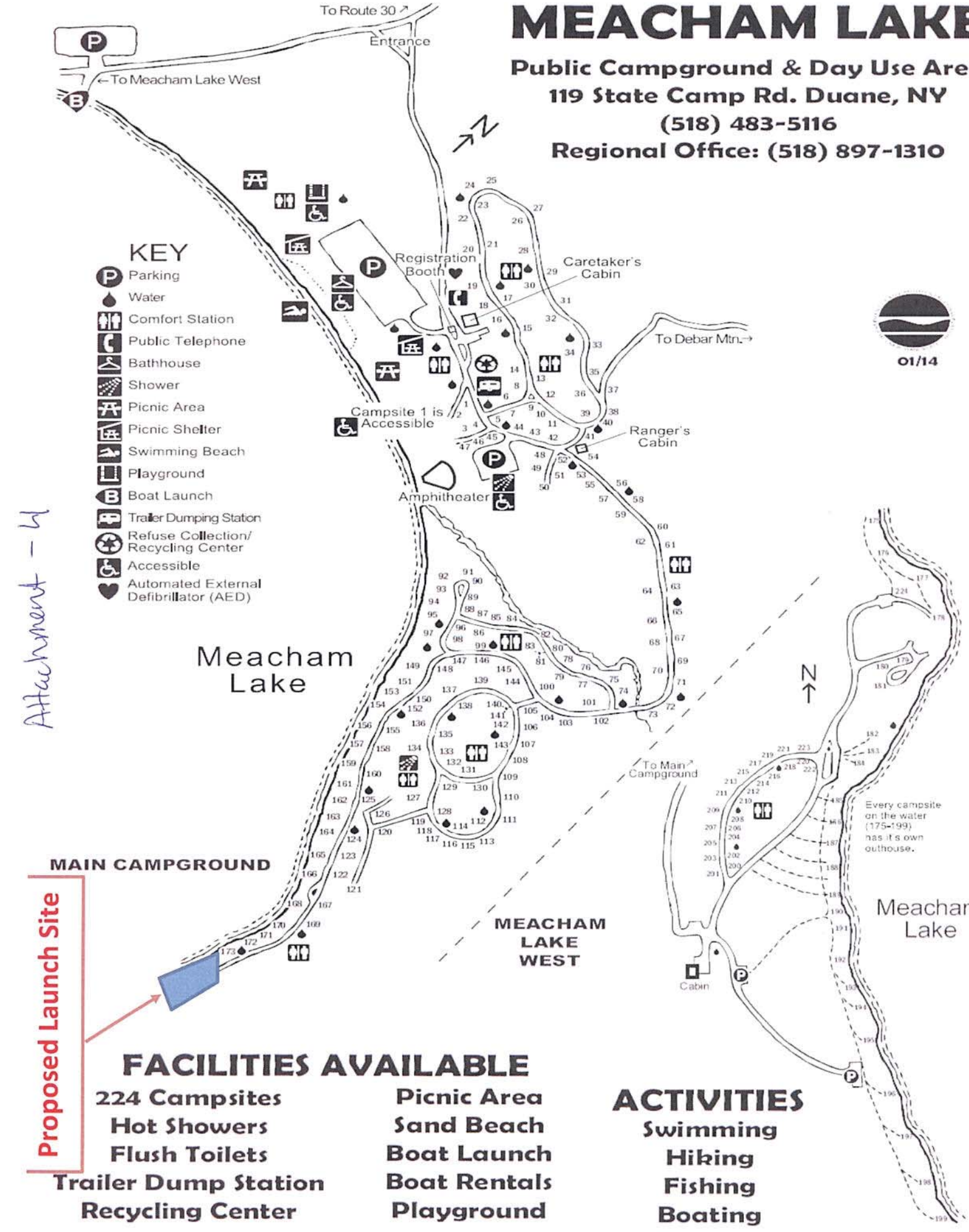


Attachment -3

# Site # 4

# MEACHAM LAKE

**Public Campground & Day Use Area**
**119 State Camp Rd. Duane, NY**
**(518) 483-5116**
**Regional Office: (518) 897-1310**




Attachment - 4

## FACILITIES AVAILABLE

224 Campsites
Hot Showers
Flush Toilets
Trailer Dump Station
Recycling Center
Picnic Area
Sand Beach
Boat Launch
Boat Rentals
Playground

## ACTIVITIES

Swimming
Hiking
Fishing
Boating

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources
Lake Map Series

## Region 5

# Meacham Lake

Attachment 5

Not For Use in Navigation

## Meacham Lake

**County: Franklin** **Town: Duane**

**Size: 1,185 Acres** **Mean Depth: 36ft**

**Fish Species Present:** Northern Pike, Smallmouth Bass, Yellow Perch, Brown Bullhead, Lake Whitefish, Rainbow Smelt, Brown Trout, Pumpkinseed, Splake, Landlocked Atlantic Salmon

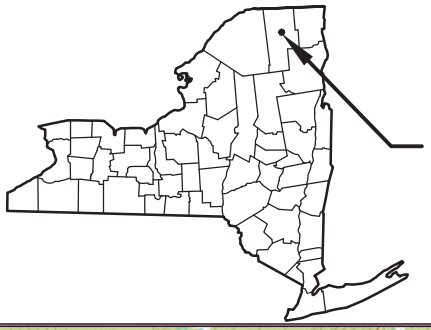
**Scale:** 0 1,795 ft

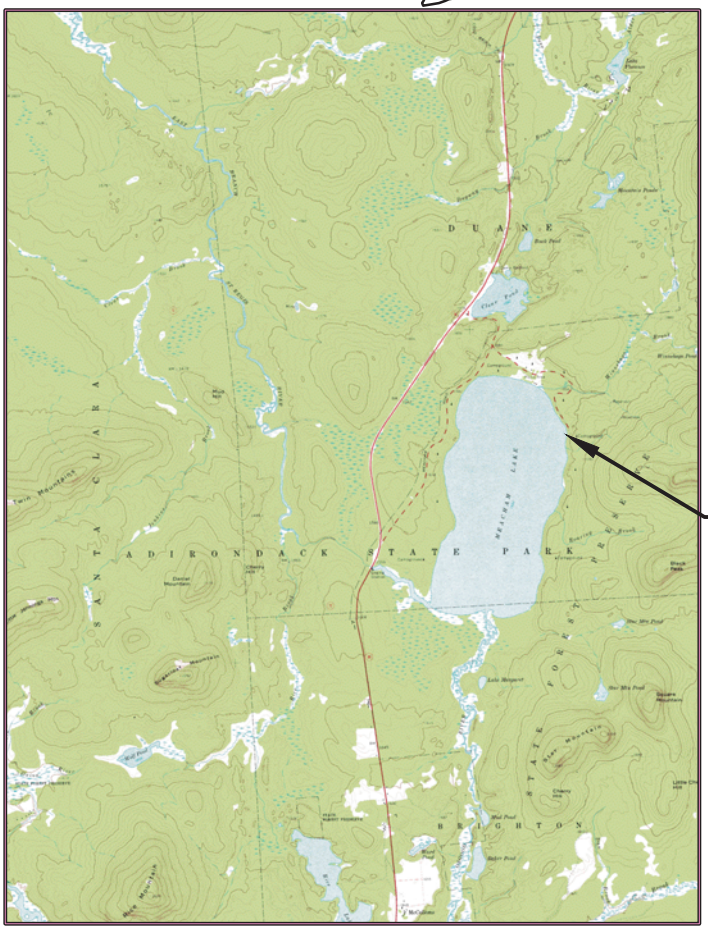
# MEACHAM LAKE BOAT LAUNCH

TOWN OF DUANE, FRANKLIN COUNTY, NEW YORK

Easting 44.5685 Northing −74.2741

NORTH




LOCATION MAP TAKEN FROM A USGS MAP IN THE ARC GIS SYSTEM

DRAWING INDEX:

1. TITLE SHEET
2. EXISTING SITE PLAN
2A. SITE PLANS – IMPACTS TO U.S. WATERS
3. NEW SITE PLAN
4. NEW RAMP PLAN
5. NEW RAMP PLAN VIEW & SECTIONS
6. MISCELLANEOUS DETAILS
7. SHORELINE SECTIONS
8. EXISTING SITE PLAN – PHOTO LOCATIONS
9. PHOTOS

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

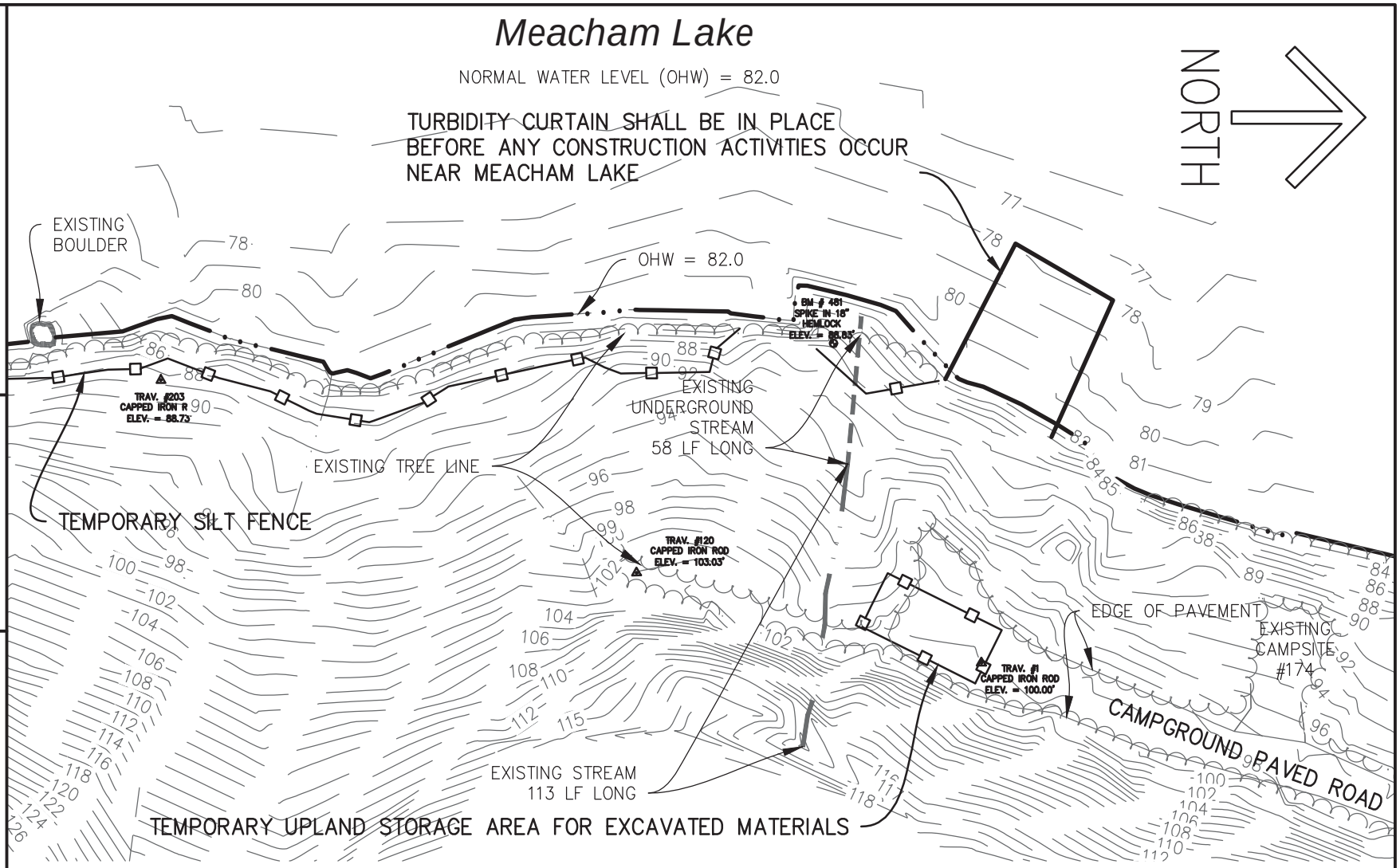
STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF OPERATIONS
BUREAU OF DESIGN & CONSTRUCTION

| REVISIONS | | |
|---|---|---|
| BY | DESCRIPTION | DATE |
| DBB | SITE PHOTOS ADDED | 2/'15 |
| DBB | IMPACTS TO U.S WATERS ADDED. STREAM INFO. ADDED | 3/'15 |
| | | |
| | | |

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE, FRANKLIN COUNTY, NY
APPLICANT: NYSDEC
TITLE SHEET

PROJECT NO. 68984
DATE 1/15
SCALE NTS
DRAWING NO. 1 of 9




NOTE:
1. SURVEY PERFORMED BY NYSDEC CENTRAL OFFICE OPERATIONS STAFF ON AUGUST 4 & 5, 2014. SITE PLAN WAS COMPLIED ON A PC-BASED COMPUTER USING AUTOCAD CIVIL 3D 2013 SOFTWARE. CONTOURS ARE COMPUTER-GENERATED INTERPOLATIONS, EDITED TO GENERALLY CONFORM TO FIELD OBSERVATIONS. CONTOUR INTERVAL = 1 FOOT. CRITICAL ELEVATIONS AND GRADES SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.

LEGEND:

- EXISTING CONTOUR
- EXISTING DRAINAGE DITCH W/ WATER (STREAM)
- EXISTING UNDERGROUND STREAM W/ WATER
- EXISTING TREE LINE
- EDGE OF WATER
- TEMPORARY SILT FENCE. SEE SPEC.
- TEMPORARY TURBIDITY CURTAIN

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DIVISION OF OPERATIONS
BUREAU OF DESIGN & CONSTRUCTION

| REVISIONS | | | |
|---|---|---|---|
| NO | DATE | DESCRIPTION | BY |
| | 3/'15 | STREAM INFO. ADDED | DBB |
| AS BUILT | | | |

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC
EXISTING SITE PLAN

| PROJECT NO. | DATE | SCALE | DRAWING NO. |
|---|---|---|---|
| 68984 | 1/2015 | 1" = 60' | 2 of 9 |

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DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF OPERATIONS
BUREAU OF DESIGN & CONSTRUCTION

New York State Department of Environmental Conservation

| REVISIONS | | | |
|---|---|---|---|
| NO | DATE | DESCRIPTION | BY |
| | 3/'15 | IMPACTS TO U.S. WATERS SHOWN | DBB |
| AS BUILT | | | |

PROJECT DESCRIPTION

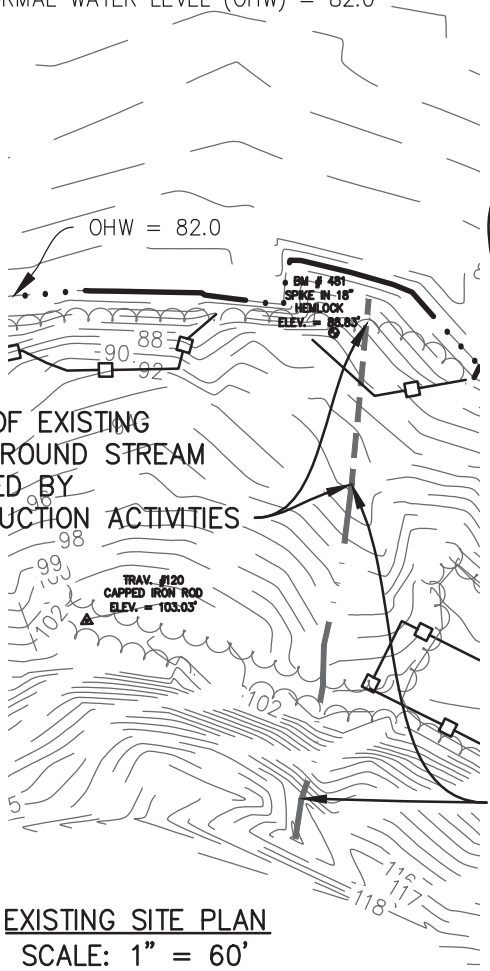
MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC

SITE PLANS – IMPACTS TO U.S. WATERS

PROJECT NO. 68984
DATE 1/2015
SCALE 1" = 60'
DRAWING NO. 2A of 9

## Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0

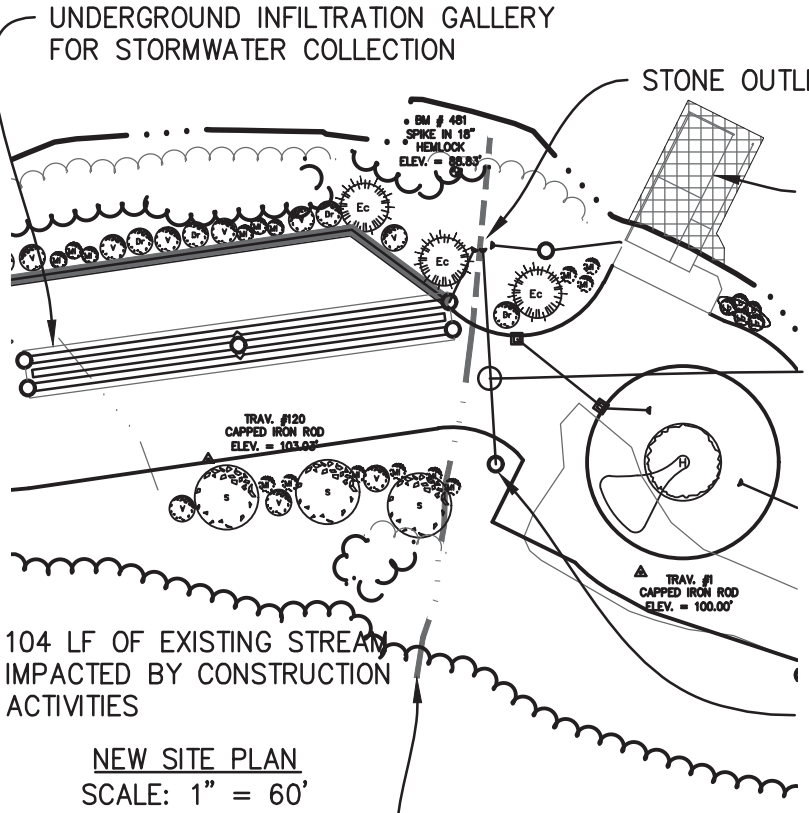



58 LF OF EXISTING UNDERGROUND STREAM IMPACTED BY CONSTRUCTION ACTIVITIES

EXISTING SITE PLAN
SCALE: 1" = 60'

## Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0




UNDERGROUND INFILTRATION GALLERY FOR STORMWATER COLLECTION

STONE OUTLET PAD

HATCHING DENOTES AREA BELOW OHW 82.0
AREA = 1131 SF
SEE DWG. NO. 4 FOR ADDITIONAL INFO.

65 LF OF 30" DIA. CORRUGATED HDPE PIPE

104 LF OF EXISTING STREAM IMPACTED BY CONSTRUCTION ACTIVITIES

PRECAST CONCRETE DROP INLET STRUCTURE

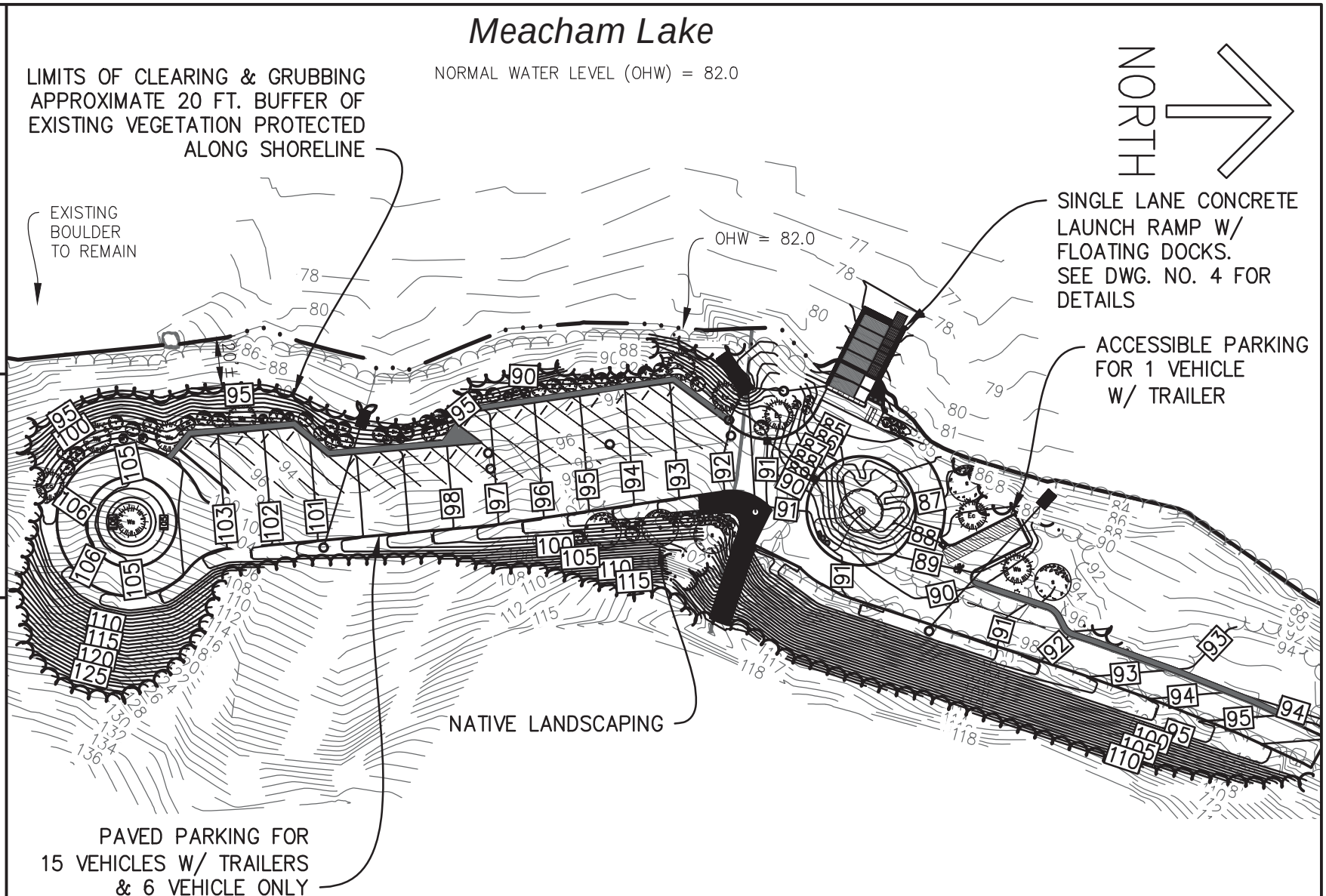
EXISTING STREAM RE-ROUTED TO STONE CONVEYANCE CHANNEL, THEN CAPTURED IN A DROP INLET STRUCTURE WITH OVERFLOW INTO A PIPE TO A STONE OUTLET PAD

NEW SITE PLAN
SCALE: 1" = 60'

NORTH

SQUARE FEET AREA OF IMPACTS TO WATERS OF THE U.S. :
LAUNCH RAMP –
AREA = 1131 SF

EXISTING STREAMS–
ABOVE GRADE AREA = 156 SF
UNDERGROUND AREA = 87 SF

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DIVISION OF OPERATIONS
BUREAU OF DESIGN & CONSTRUCTION

REVISIONS

| NO | DATE | DESCRIPTION | BY |
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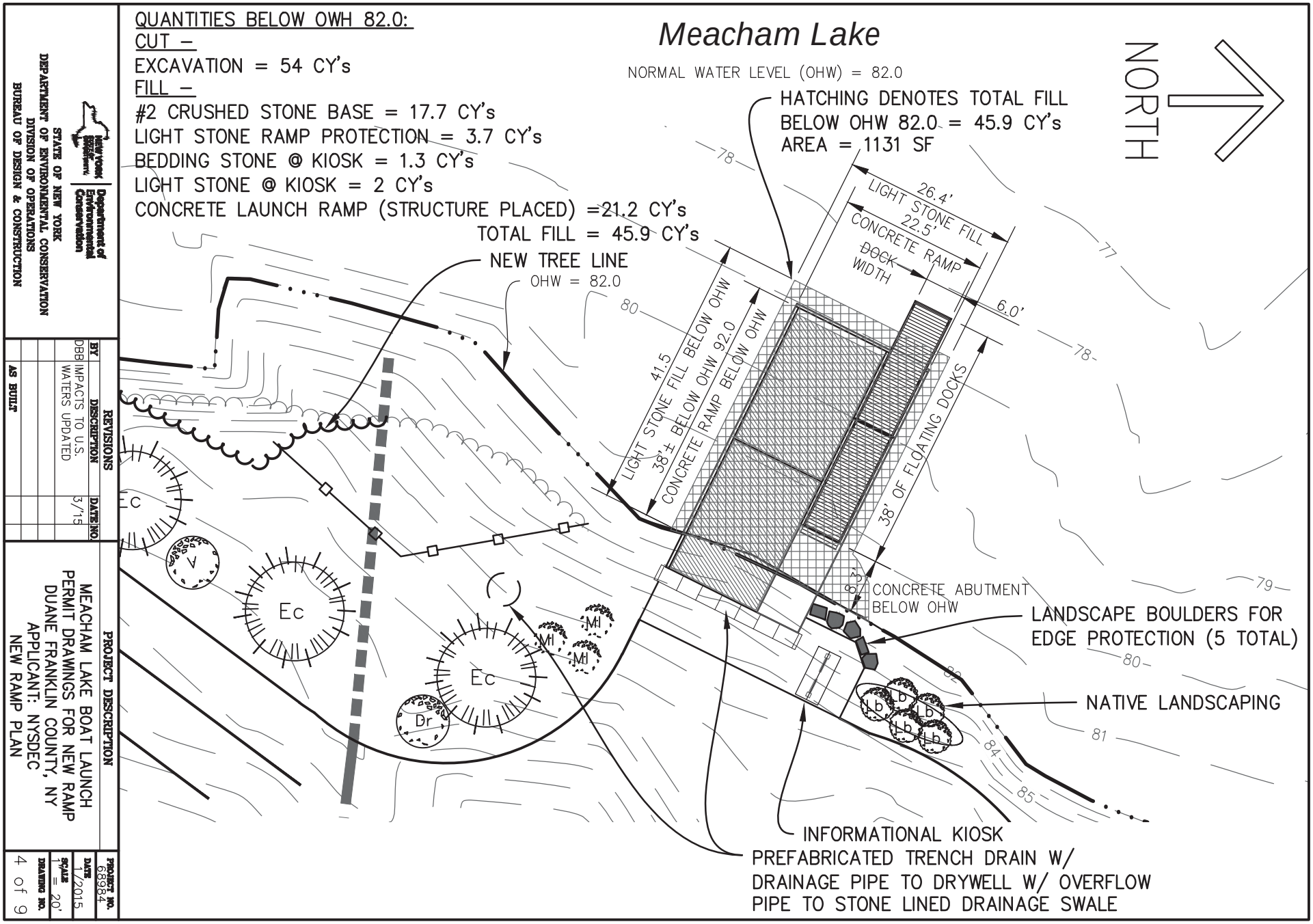
| AS BUILT | | | |

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC
NEW SITE PLAN

PROJECT NO. 68984
DATE 1/2015
SCALE 1" = 80'
DRAWING NO. 3 of 9

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BUREAU OF DESIGN & CONSTRUCTION

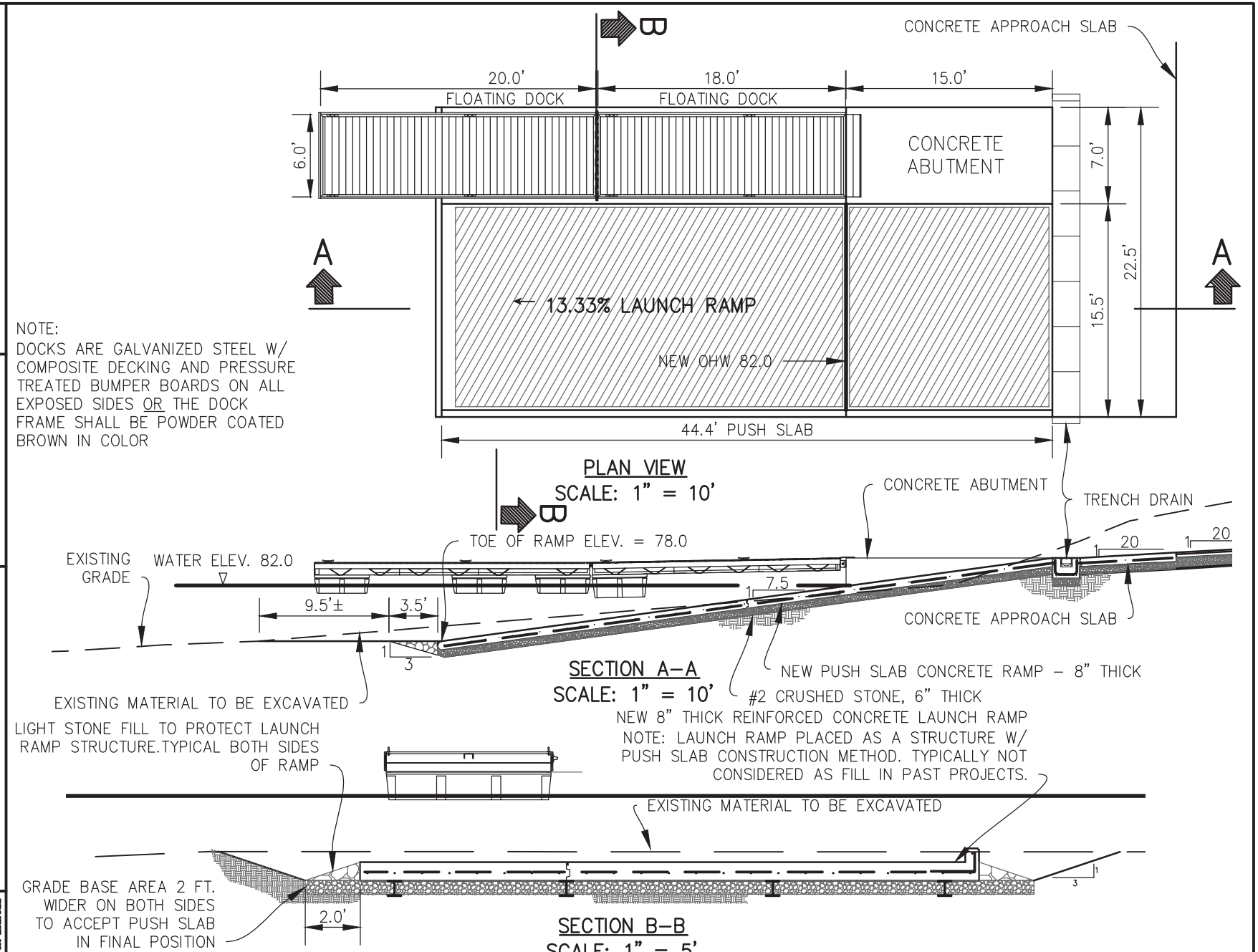
| | BY | DESCRIPTION | DATE | NO |
|---|---|---|---|---|
| AS BUILT | DBB | IMPACTS TO U.S. WATERS UPDATED | 3/'15 | |

REVISIONS

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC
NEW RAMP PLAN

| PROJECT NO. | DATE | SCALE | DRAWING NO. |
|---|---|---|---|
| 68984 | 1/2015 | 1" = 20' | 4 of 9 |

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BUREAU OF DESIGN & CONSTRUCTION

New York State Department of Environmental Conservation

| REVISIONS | | | |
|---|---|---|---|
| NO. | DATE | DESCRIPTION | BY |
| | | AS BUILT | |

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC

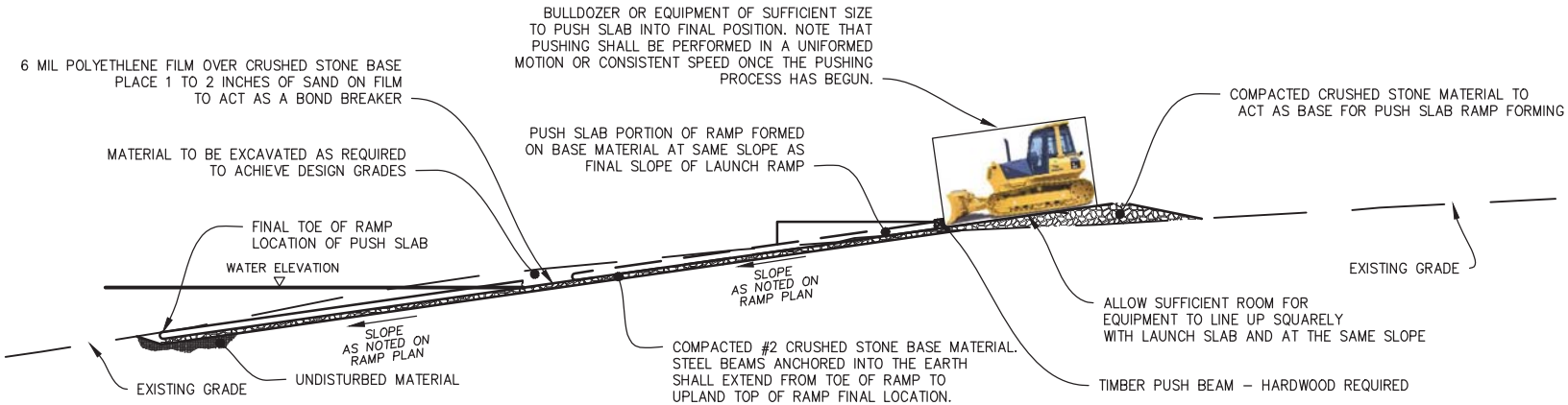
NEW RAMP PLAN VIEW & SECTIONS

PROJECT NO. 68984
DATE 1/2015
SCALE AS NOTED
DRAWING NO. 5 of 9

# PLANT LIST

## LANDSCAPING

| GENUS SPECIES | COMMON NAME | SIZE | QTY. | SPACING | SYMBOL |
|---|---|---|---|---|---|
| Celtis occidentalis | Hackbery | 3" to 3.5" cal. | 1 | AS SHOWN | H |
| Picea glauca | White Spruce | 10' –12' FT. height | 1 | AS SHOWN | Ws |
| Vaaccinium angustifolium | Low bush blueberry | #3 Cont. 3' –4' FT. height | 5 | 5 FT. ON CENTER | Lb |
| Kalmia latifolia | Mountain Laurel | #3 Cont. 3' –4' FT. height | 19 | 8 FT. ON CENTER | Ml |
| Viburnum trilobum | Viburnum | #3 Cont. 3' –4' FT. height | 13 | 8 FT. ON CENTER | V |
| Cornus sericea | Dogwood Red osier red–stem | #3 Cont. 3' –4' FT. height | 12 | 5 FT. ON CENTER | Dr |
| Amelanchier canadensis | Serviceberry | #10 Cont. 6' –7' FT. height | 7 | 20 FT. ON CENTER | S |




# PUSH SLAB CONSTRUCTION METHOD (TYPICAL)

NOT TO SCALE

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF OPERATIONS
BUREAU OF DESIGN & CONSTRUCTION

Department of Environmental Conservation

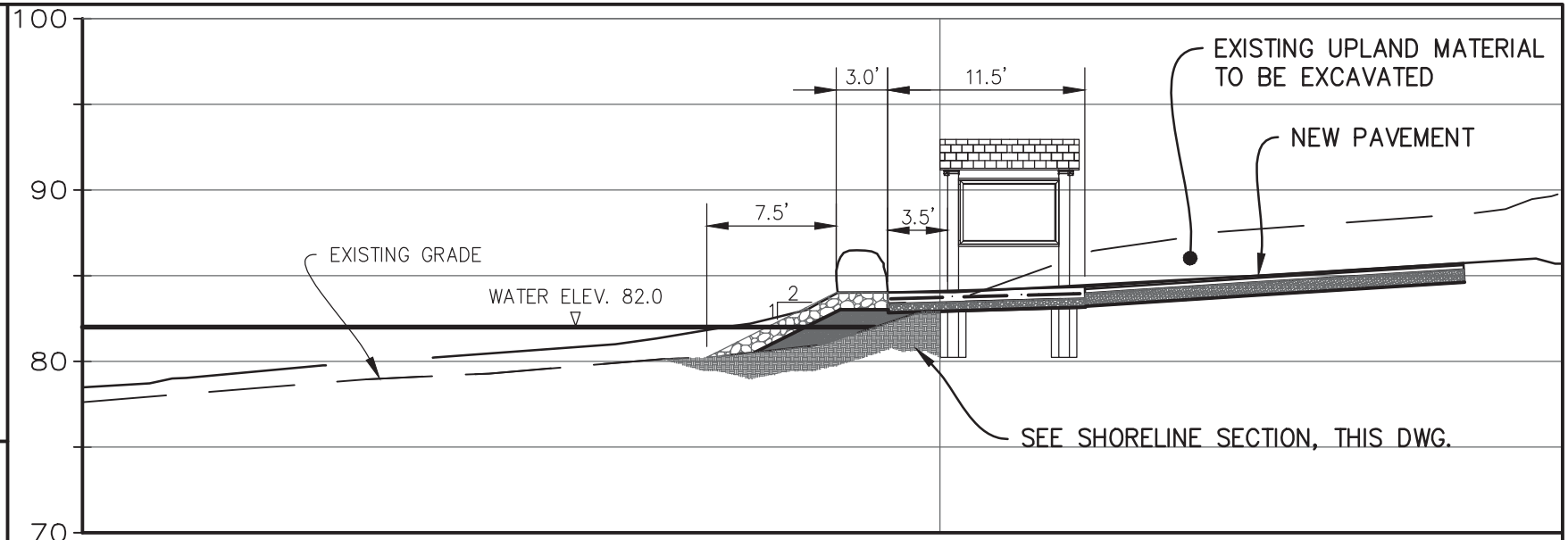
REVISIONS

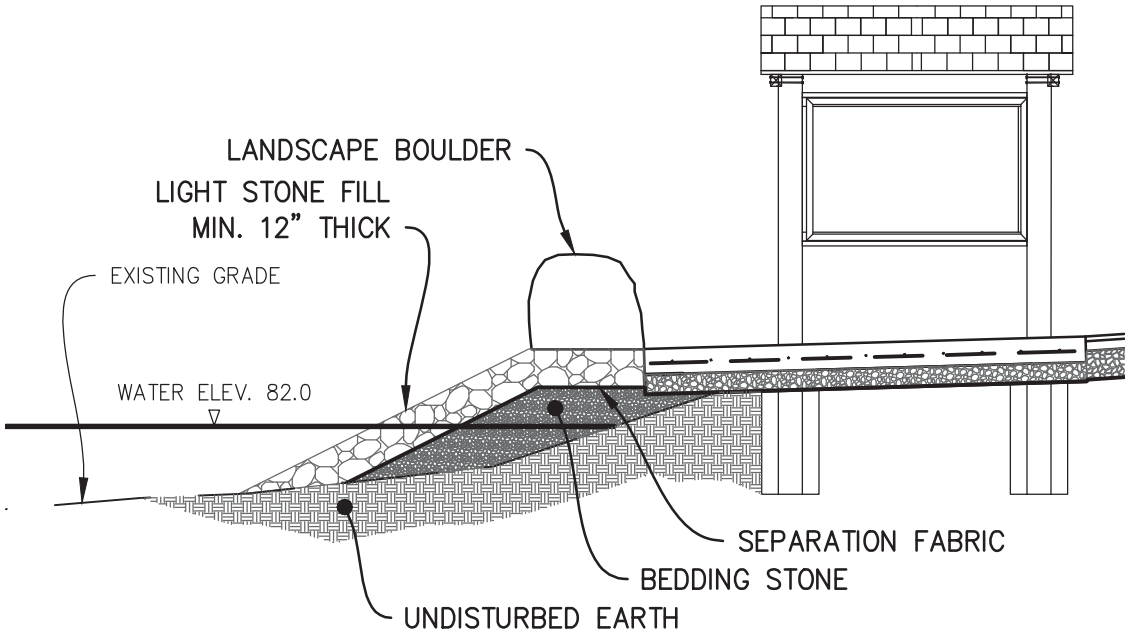
| NO | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | AS BUILT | |

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC
MISCELLANEOUS DETAILS

PROJECT NO. 68984
DATE 1/2015
SCALE N.T.S.
DRAWING NO. 6 of 9




QUANTITIES BELOW OWH 82.0:
FILL –
BEDDING STONE = 1.3 CY's
LIGHT STONE FILL = 2.0 CY's

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF OPERATIONS
BUREAU OF DESIGN & CONSTRUCTION

Department of Environmental Conservation

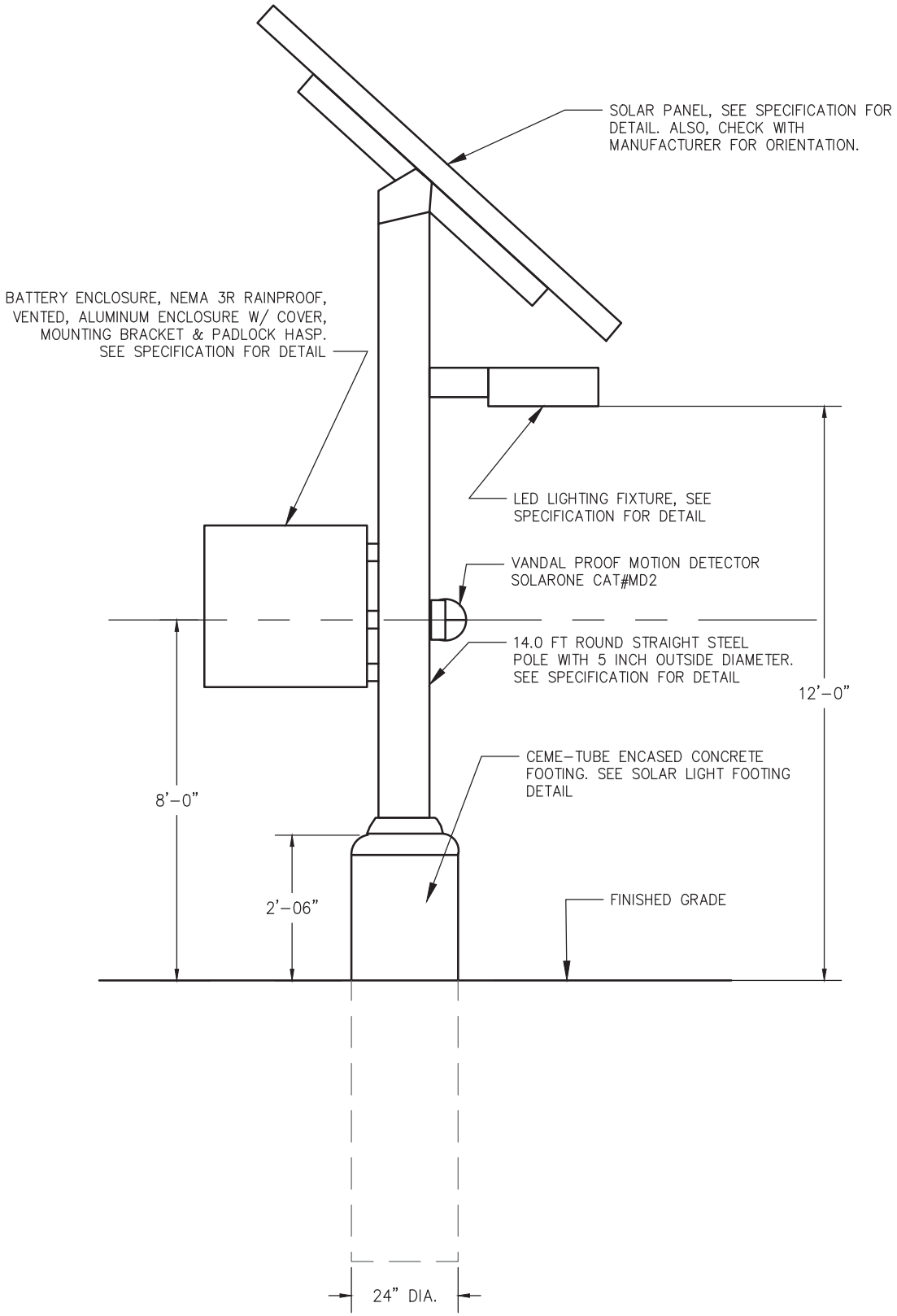
REVISIONS

| NO | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | AS BUILT | |

PROJECT DESCRIPTION

MEACHAM LAKE BOAT LAUNCH
PERMIT DRAWINGS FOR NEW RAMP
DUANE FRANKLIN COUNTY, NY
APPLICANT: NYSDEC
SHORELINE SECTIONS

PROJECT NO. 68984
DATE 1/2015
SCALE NTS
DRAWING NO. 7 of 9

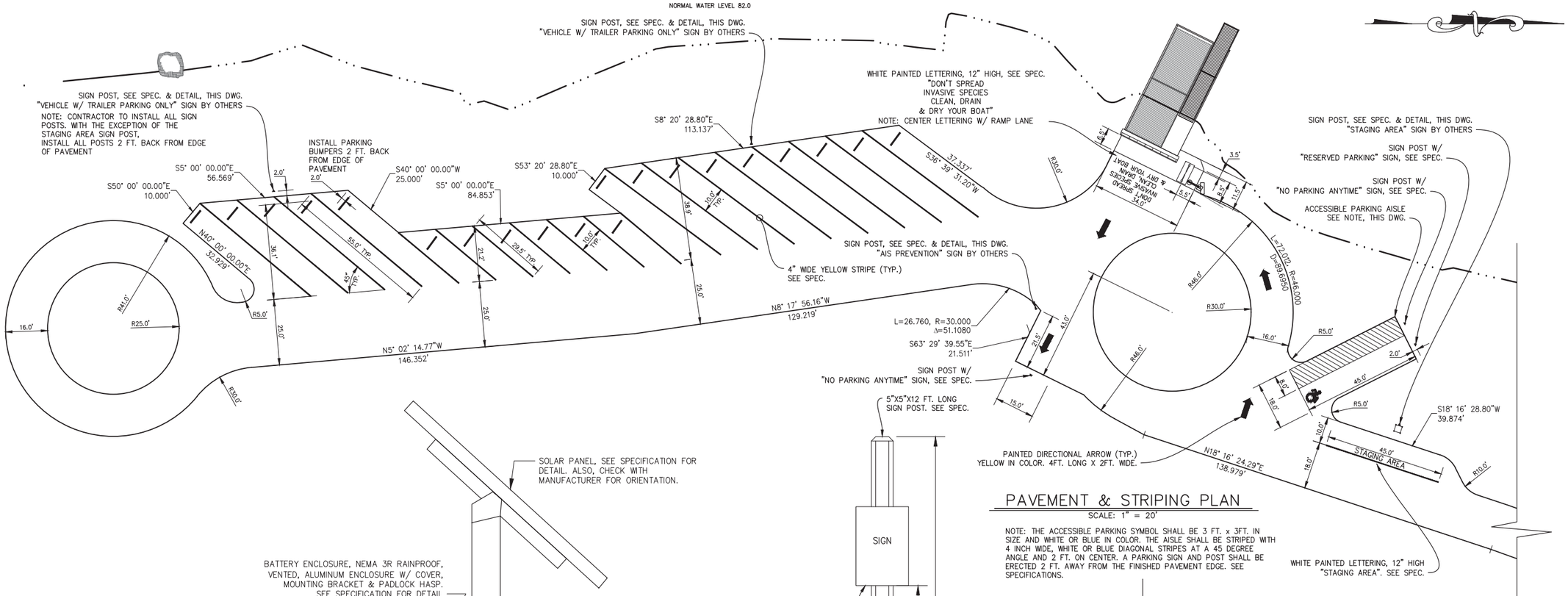



# SOLAR LIGHT POLE DETAIL

NOT TO SCALE

# Meacham Lake

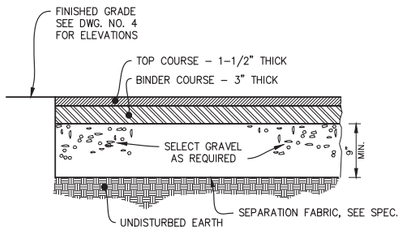
NORMAL WATER LEVEL 82.0




## PAVEMENT & STRIPING PLAN

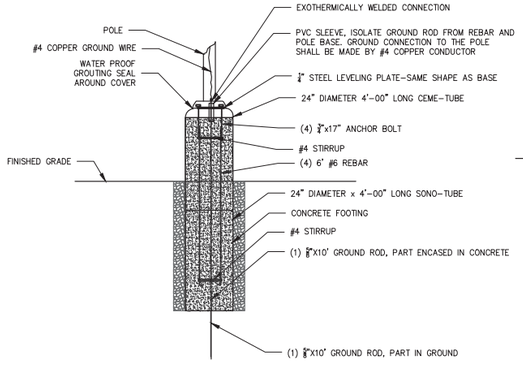
SCALE: 1" = 20'

NOTE: THE ACCESSIBLE PARKING SYMBOL SHALL BE 3 FT. x 3FT. IN SIZE AND WHITE OR BLUE IN COLOR. THE AISLE SHALL BE STRIPED WITH 4 INCH WIDE, WHITE OR BLUE DIAGONAL STRIPES AT A 45 DEGREE ANGLE AND 2 FT. ON CENTER. A PARKING SIGN AND POST SHALL BE ERECTED 2 FT. AWAY FROM THE FINISHED PAVEMENT EDGE. SEE SPECIFICATIONS.



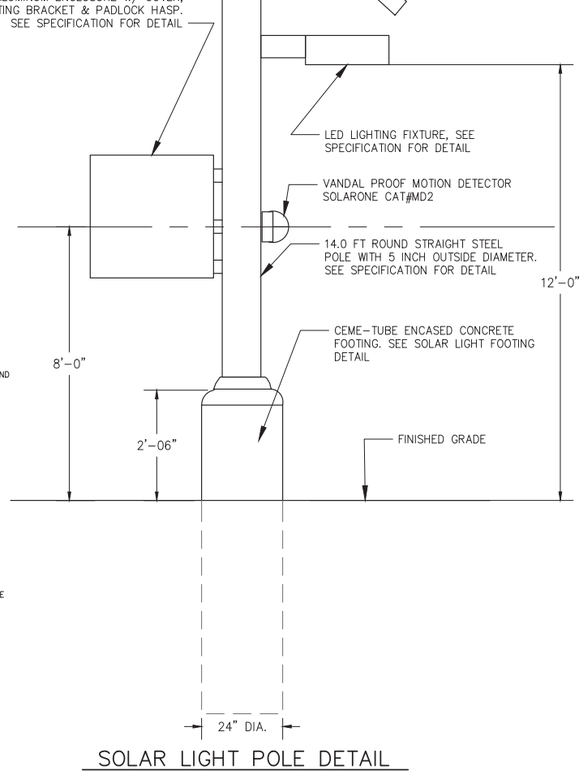

## TYPICAL PAVEMENT DETAIL

NOT TO SCALE



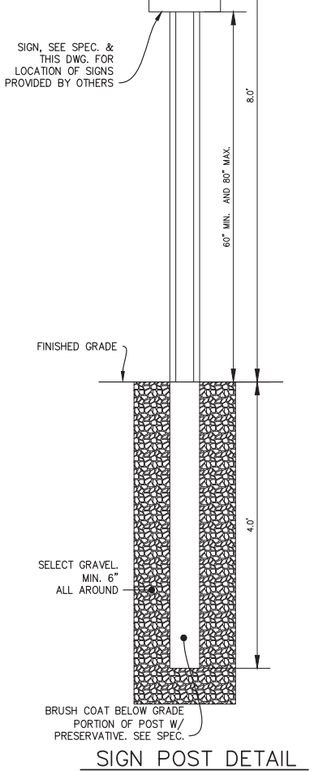

## SOLAR LIGHT FOOTING DETAIL

NOT TO SCALE



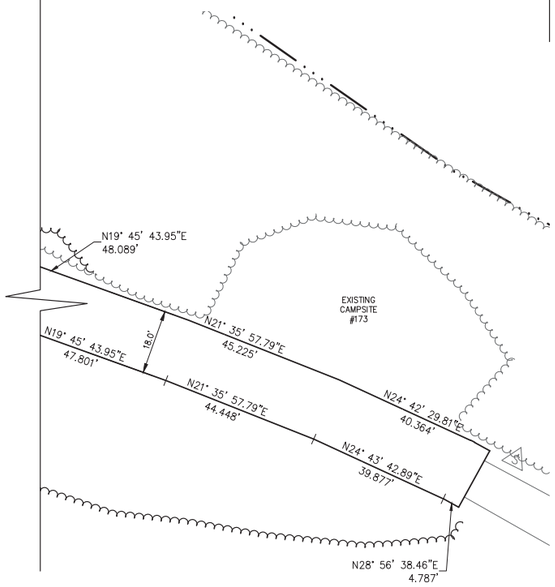

## SOLAR LIGHT POLE DETAIL

NOT TO SCALE




## SIGN POST DETAIL

SCALE: 1" = 1'–0"




Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY.

DIVISION OF OPERATIONS
BUREAU OF DESIGN AND CONSTRUCTION

DESIGNED BY DJB
CHECKED BY AJN
DRAWN BY DJB

REVISIONS

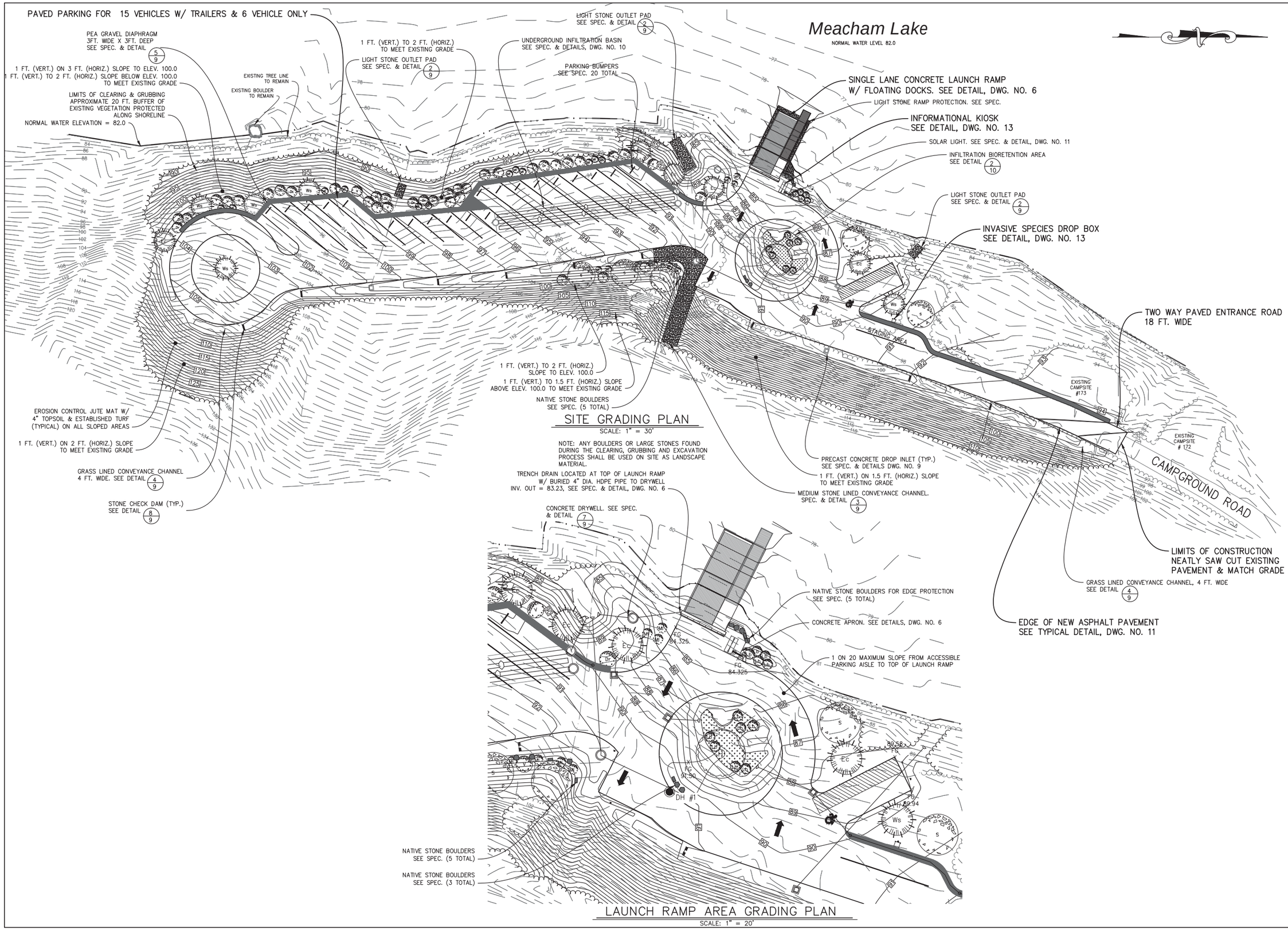
| NO. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | AS BUILT | |

PROJECT DESCRIPTION

MEACHAM LAKE CAMPGROUND
BOAT LAUNCH SITE

PAVEMENT & STRIPING PLAN AND SITE DETAILS

| | |
|---|---|
| FACILITY NAME | MEACHAM LAKE CAMPGROUND |
| FACILITY NO. | 0050 |
| PROJECT NO. | 68984 |
| DATE | APRIL, 2015 |
| SCALE | AS NOTED |
| DRAWING NO. | 11 |




SITE GRADING PLAN

SCALE: 1" = 30'

NOTE: ANY BOULDERS OR LARGE STONES FOUND DURING THE CLEARING, GRUBBING AND EXCAVATION PROCESS SHALL BE USED ON SITE AS LANDSCAPE MATERIAL.



LAUNCH RAMP AREA GRADING PLAN

SCALE: 1" = 20'

Department of Environmental Conservation

NEW YORK STATE OF OPPORTUNITY.

DIVISION OF OPERATIONS
BUREAU OF DESIGN AND CONSTRUCTION

DESIGNED BY DBB
CHECKED BY AN
DRAWN BY DBB

REVISIONS

| NO. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | AS BUILT | |

PROJECT DESCRIPTION

MEACHAM LAKE CAMPGROUND
BOAT LAUNCH SITE

SITE GRADING PLAN

| | |
|---|---|
| FACILITY NAME | MEACHAM LAKE CAMPGROUND |
| FACILITY NO. | 0050 |
| PROJECT NO. | 68984 |
| DATE | APRIL, 2015 |
| SCALE | AS NOTED |
| DRAWING NO. | 4 |