

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 were 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 trees, which is larger than normal and will facilitate their function.

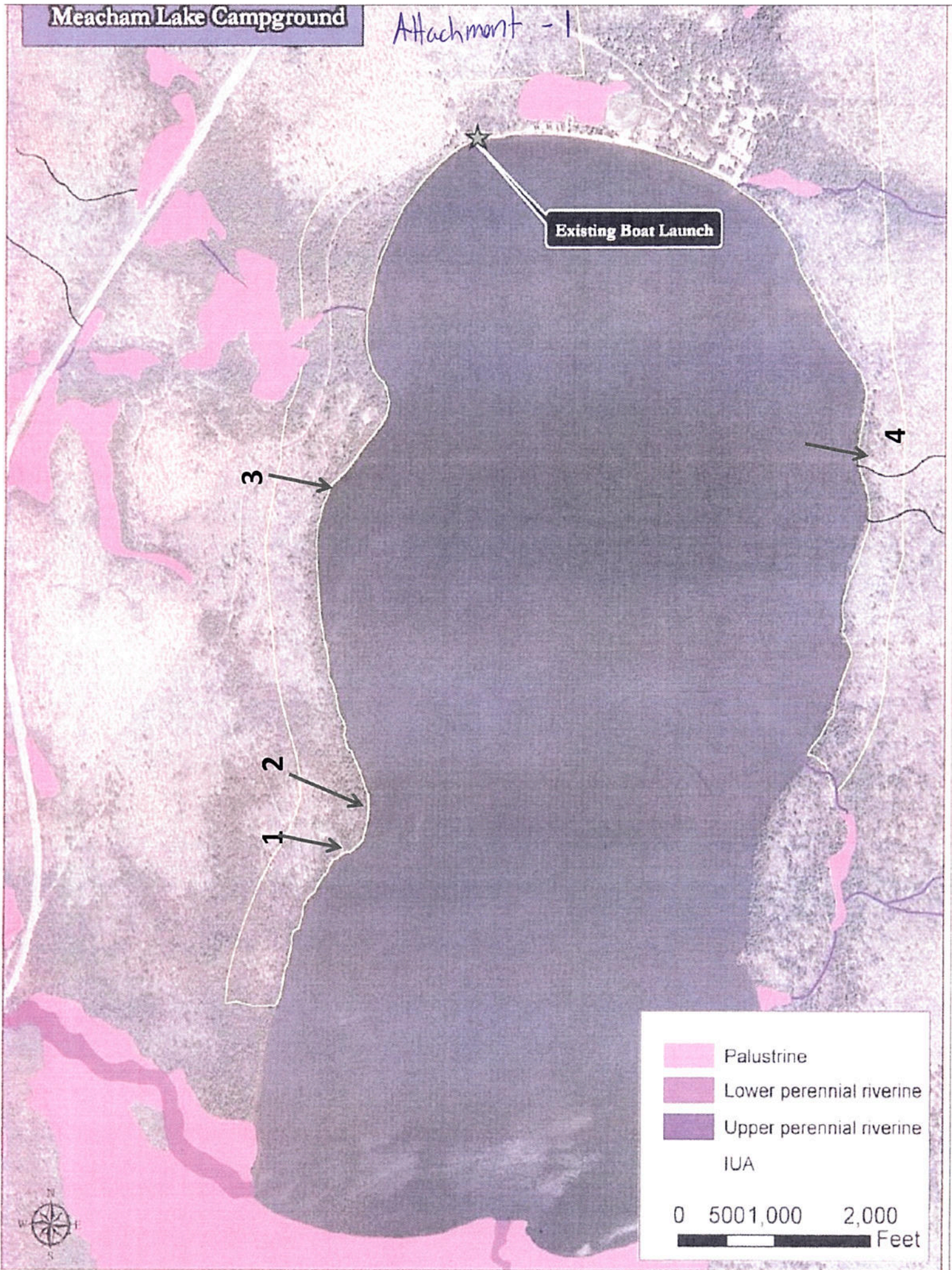
The launch will provide less parking than was originally set forth in the 1993 UMP/EIS, by 29 spots. Unfortunately the topography and developable area will not allow for the specified 50 spaces. However this will limit capacity to at or below current usage. If there is the need to have overflow parking, 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

3

4

2

1

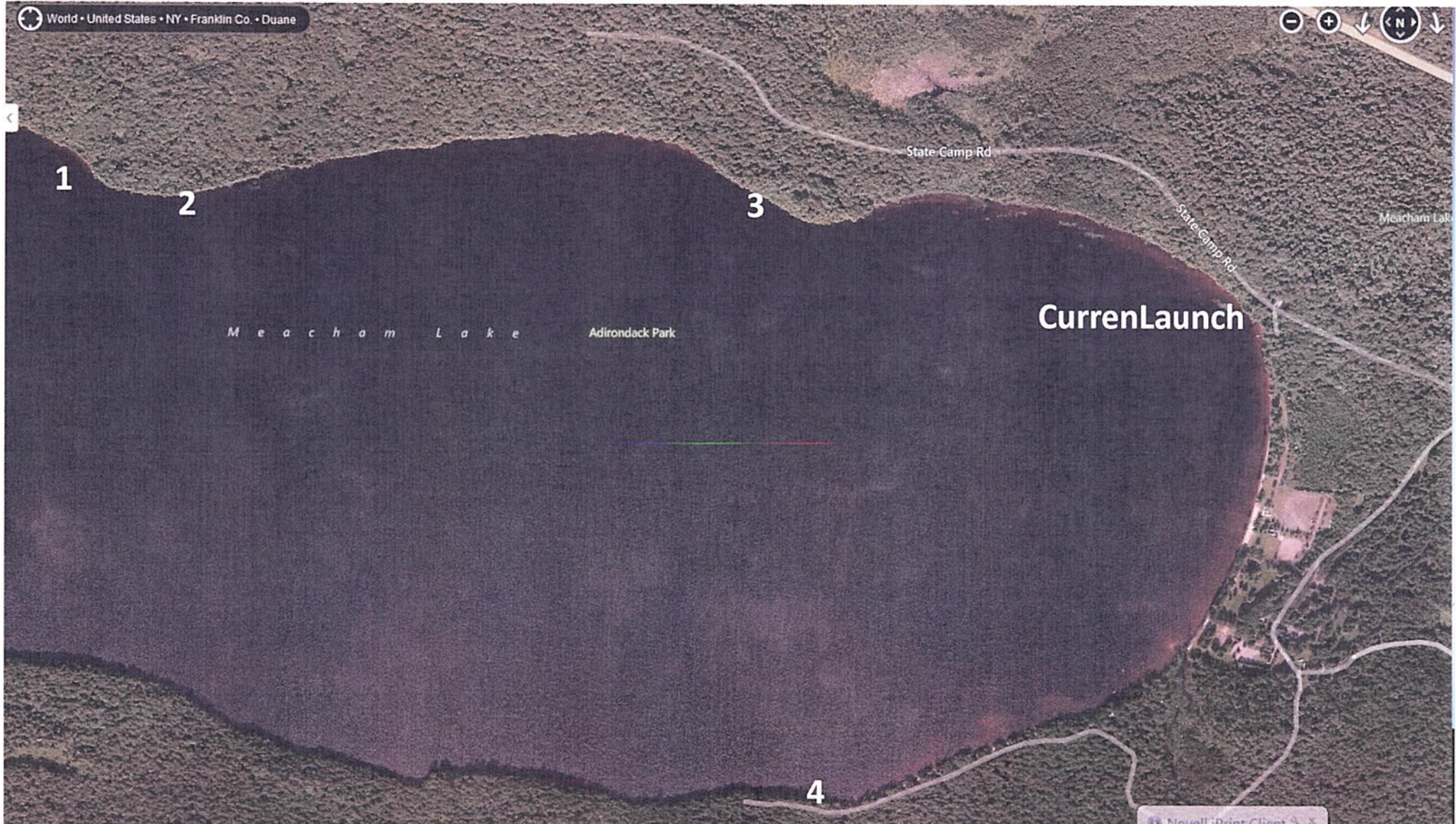
- Palustrine
 - Lower perennial riverine
 - Upper perennial riverine
- IUA

0 500 1,000 2,000 Feet



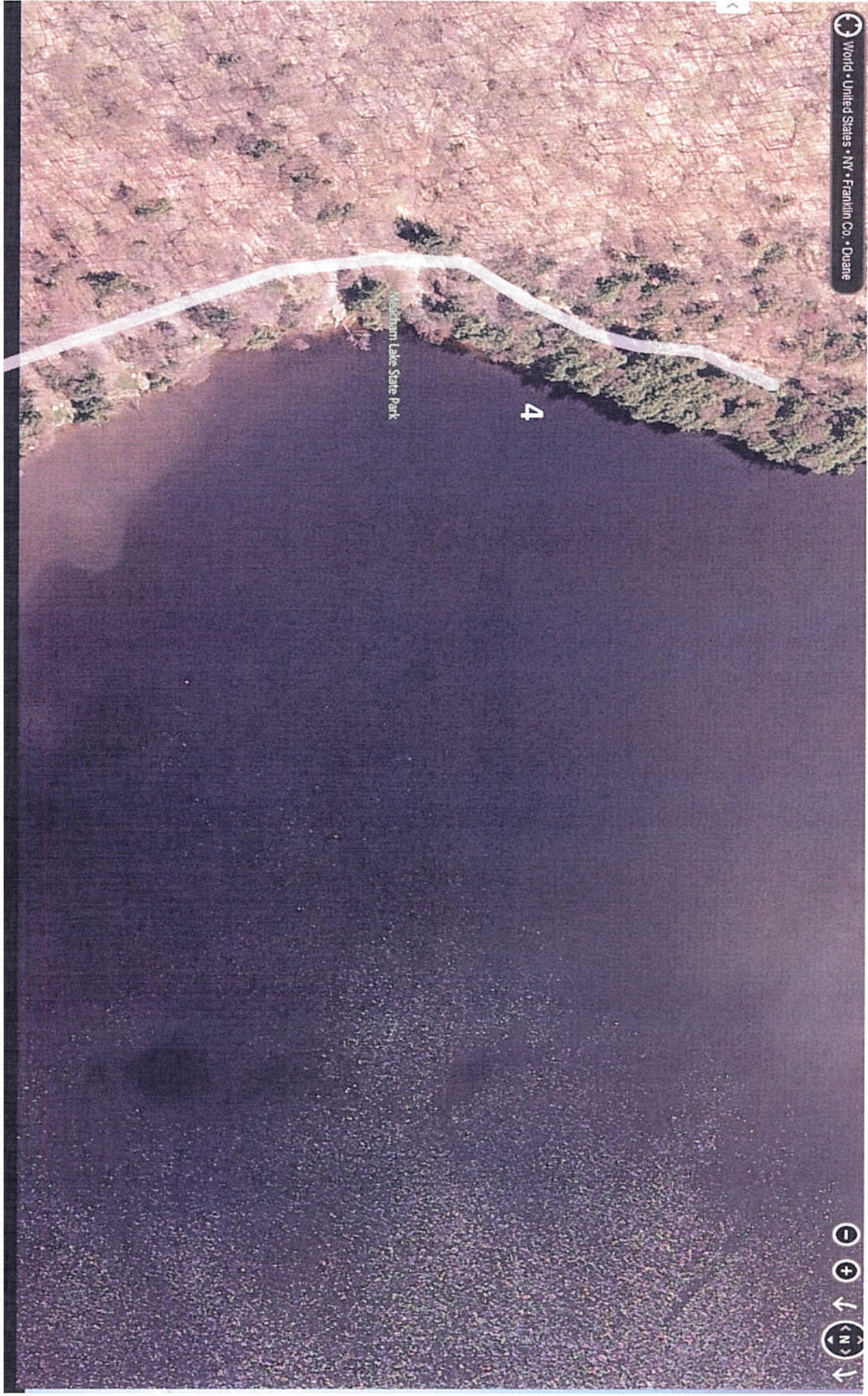
Attachment-2

Whole park with paved roads marked and sites marked



Attachment -3

Site # 4



MEACHAM LAKE

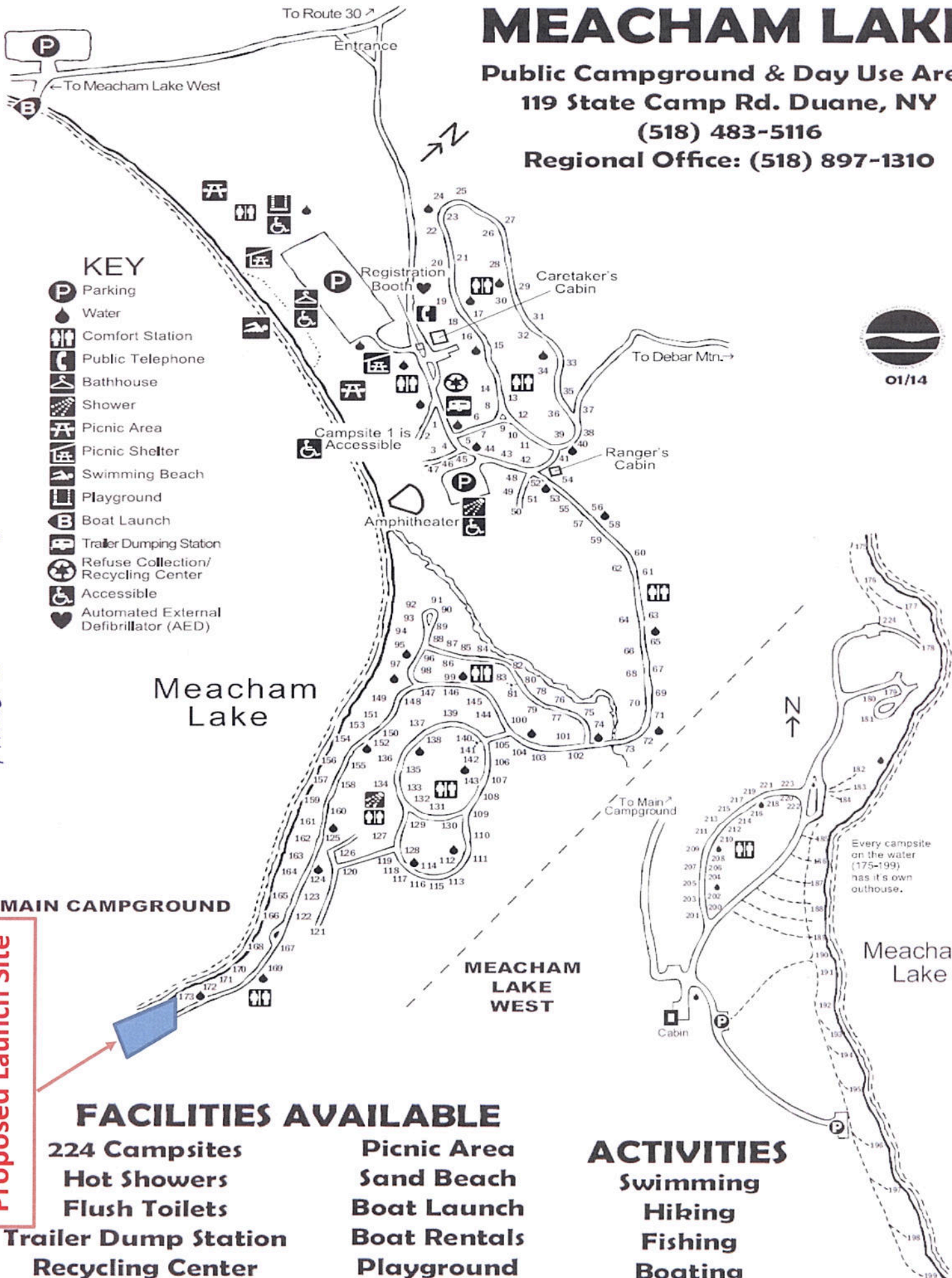
Public Campground & Day Use Area

119 State Camp Rd. Duane, NY

(518) 483-5116

Regional Office: (518) 897-1310

Attachment - W



KEY

- Parking
- Water
- Comfort Station
- Public Telephone
- Bathhouse
- Shower
- Picnic Area
- Picnic Shelter
- Swimming Beach
- Playground
- Boat Launch
- Trailer Dumping Station
- Refuse Collection/ Recycling Center
- Accessible
- Automated External Defibrillator (AED)

Meacham Lake

MAIN CAMPGROUND

MEACHAM LAKE WEST

Meacham Lake

Every campsite on the water (175-199) has its own outhouse.

Proposed Launch Site

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

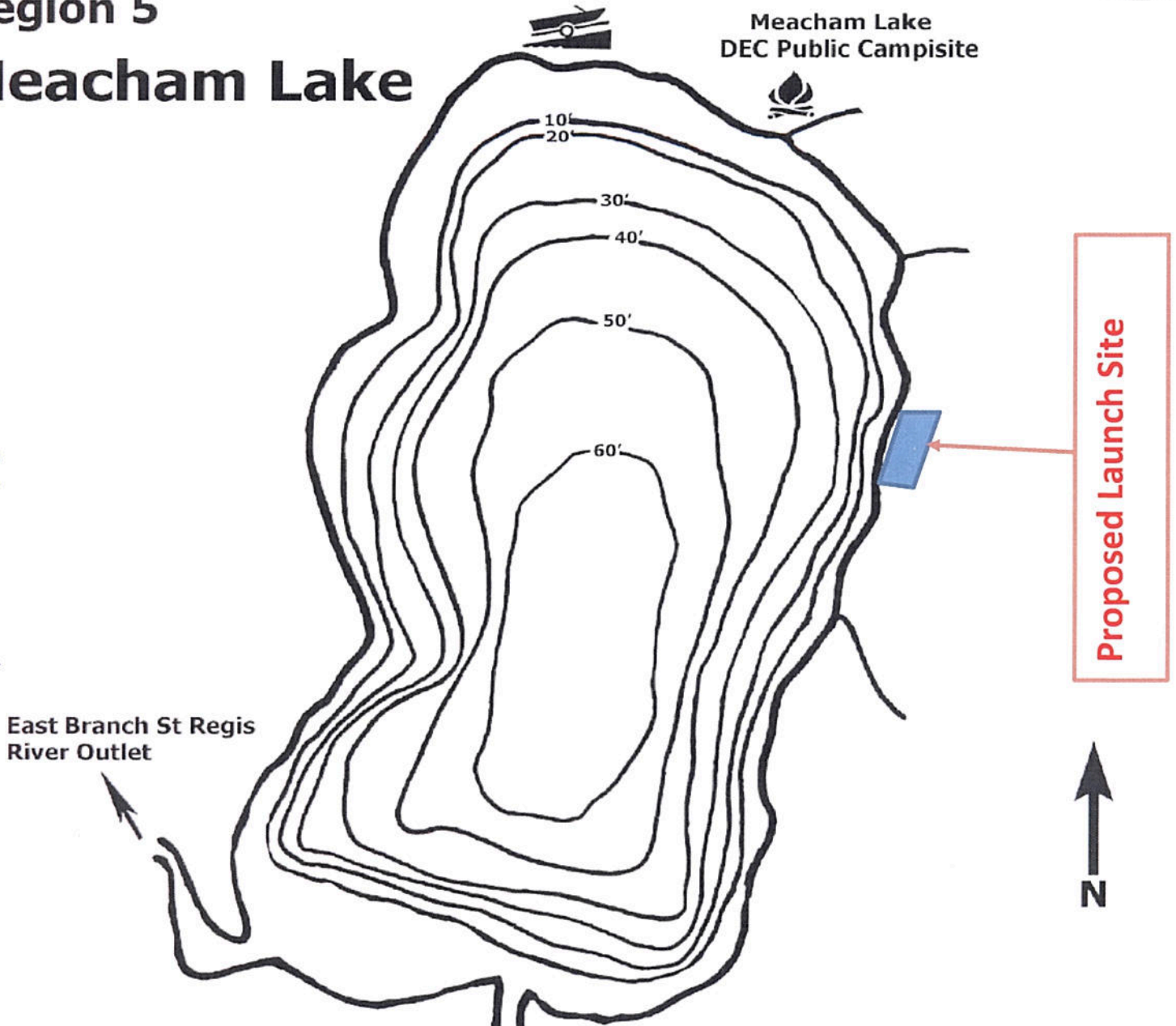


Region 5

Meacham Lake

Meacham Lake
DEC Public Campsite

Attachment 5



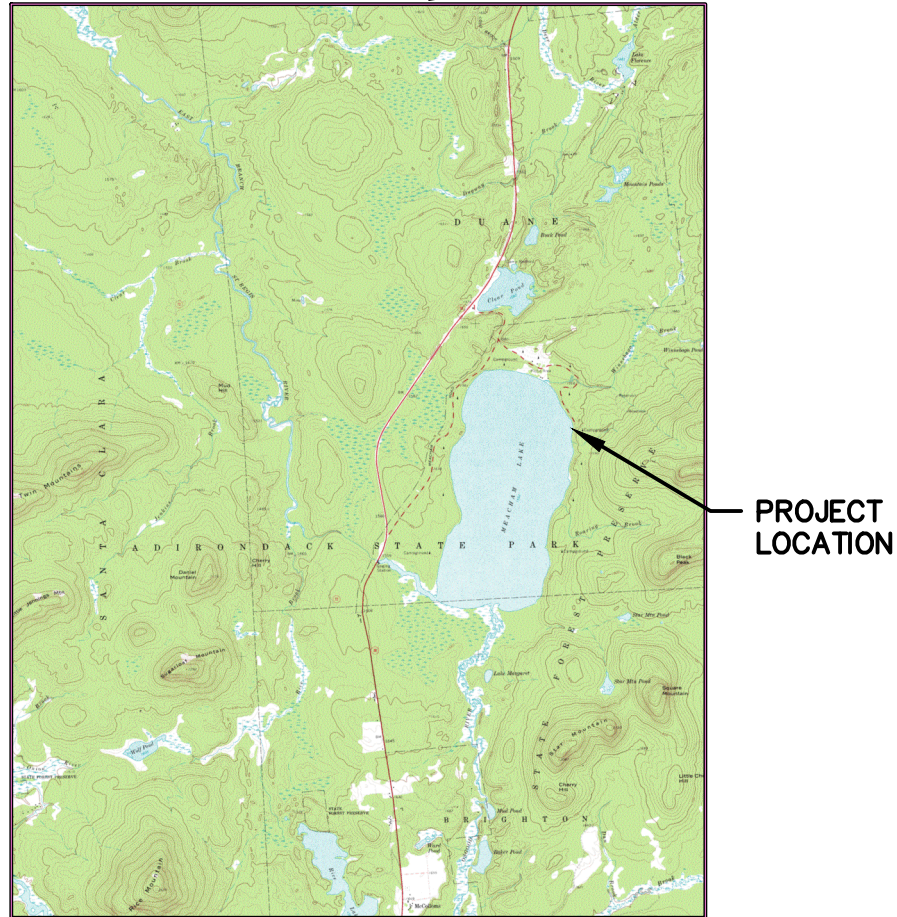
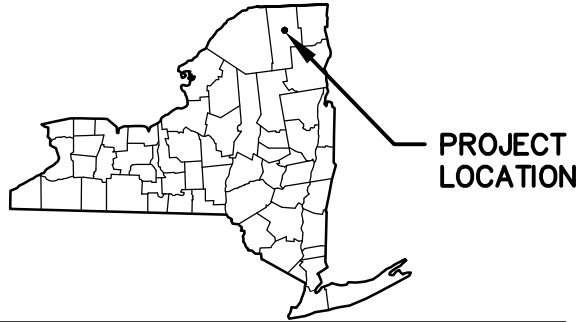
Not For Use in Navigation



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



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

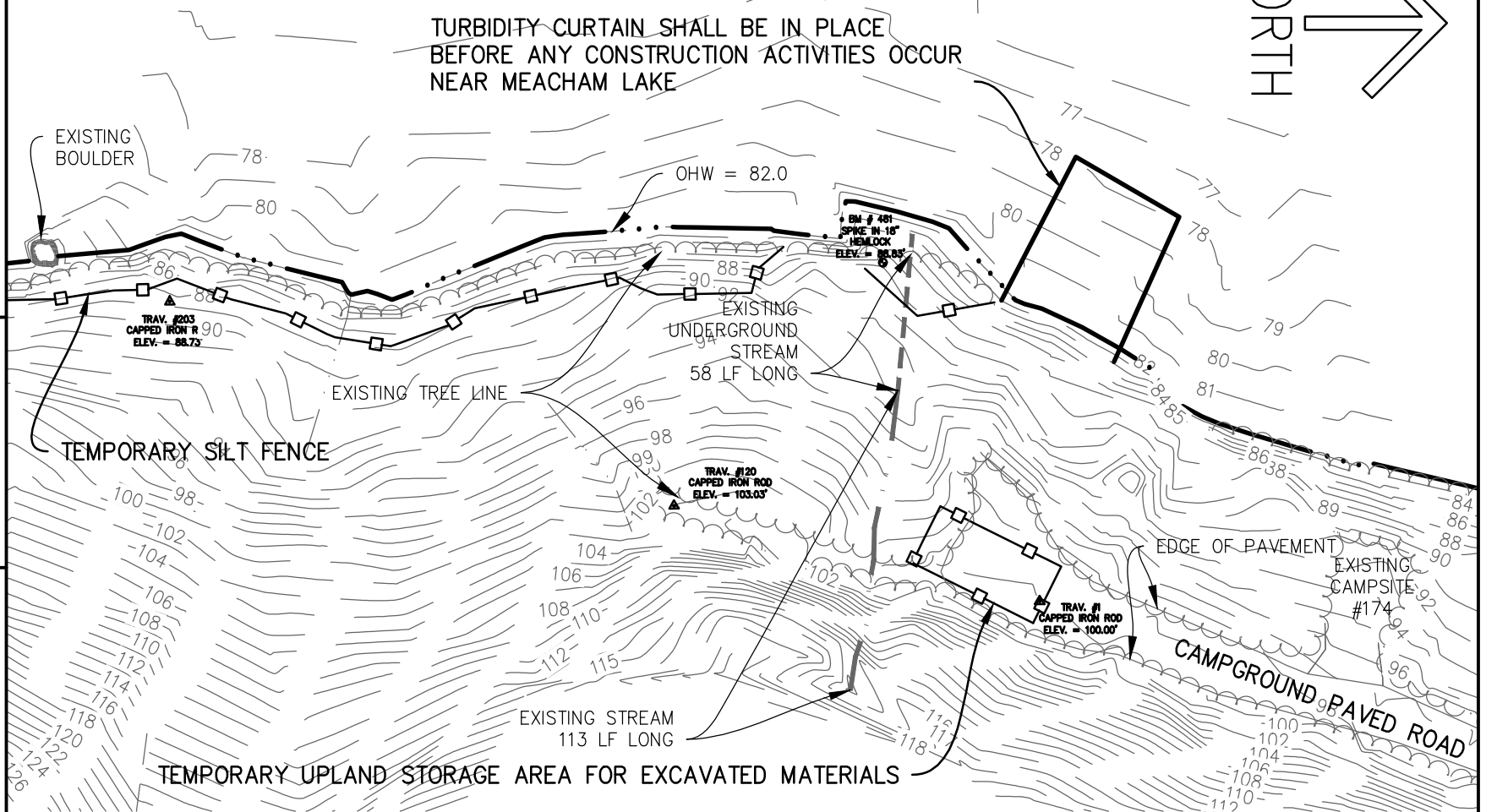
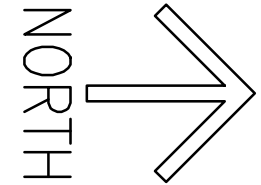
LOCATION MAP TAKEN FROM A USGS
 MAP IN THE ARC GIS SYSTEM

 Department of Environmental Conservation STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF OPERATIONS BUREAU OF DESIGN & CONSTRUCTION	REVISIONS		PROJECT DESCRIPTION	MEACHAM LAKE BOAT LAUNCH PERMIT DRAWINGS FOR NEW RAMP DUANE, FRANKLIN COUNTY, NY APPLICANT: NYSDEC TITLE SHEET	PROJECT NO. 68984	
	BY	DESCRIPTION			DATE	DATE 1/15
	DBB	SITE PHOTOS ADDED			2/15	SCALE NTS
	DBB	IMPACTS TO U.S. WATERS ADDED. STREAM INFO. ADDED			3/15	DRAWING NO. 1 of 9

Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0








TURBIDITY CURTAIN SHALL BE IN PLACE BEFORE ANY CONSTRUCTION ACTIVITIES OCCUR NEAR MEACHAM LAKE



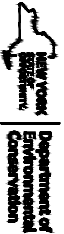
NOTE:

1. SURVEY PERFORMED BY NYSDEC CENTRAL OFFICE OPERATIONS STAFF ON AUGUST 4 & 5, 2014. SITE PLAN WAS COMPILED 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

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



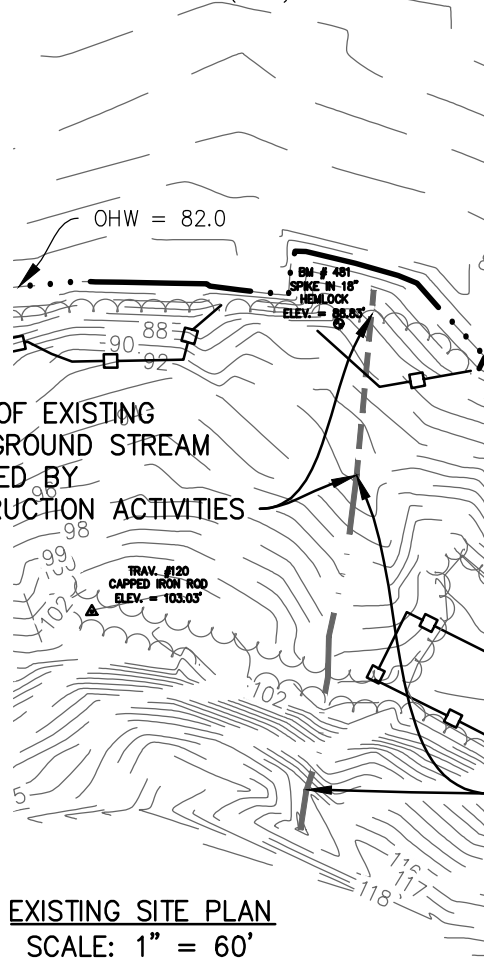
REV	DESCRIPTION	DATE
001	DBB STREAM INFO. ADDED	5/7/15
AS BUILT		

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

PROJECT NO.	68984
DATE	1/2015
SQUARE FEET	60
DRAWING NO.	2 of 9

Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0



58 LF OF EXISTING UNDERGROUND STREAM IMPACTED BY CONSTRUCTION ACTIVITIES

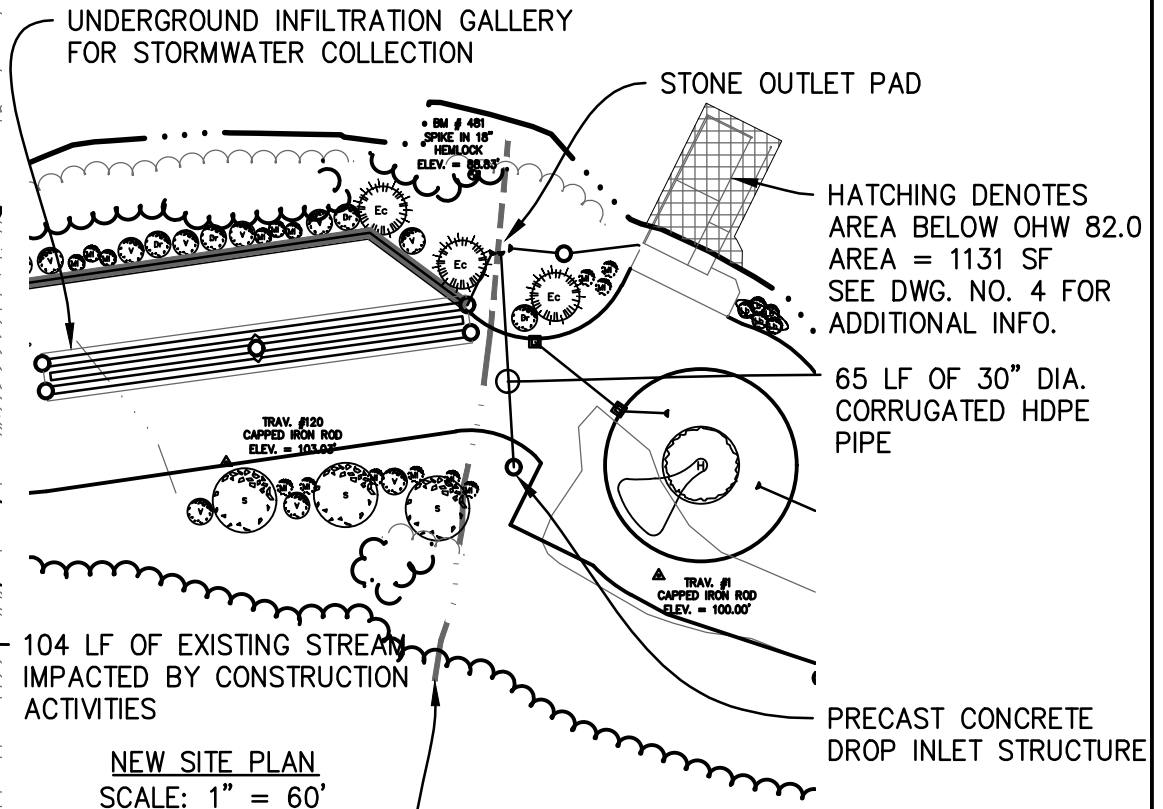
EXISTING SITE PLAN
SCALE: 1" = 60'

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

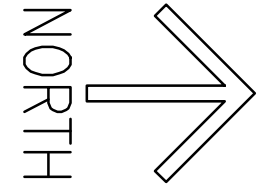
Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0



104 LF OF EXISTING STREAM IMPACTED BY CONSTRUCTION ACTIVITIES

NEW SITE PLAN
SCALE: 1" = 60'



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



Department of Environmental Conservation

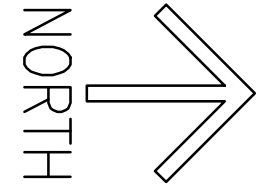
REV	DESCRIPTION	DATE
DBB	IMPACTS TO U.S. WATERS SHOWN	3/15
AS	BUILT	

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

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

Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0

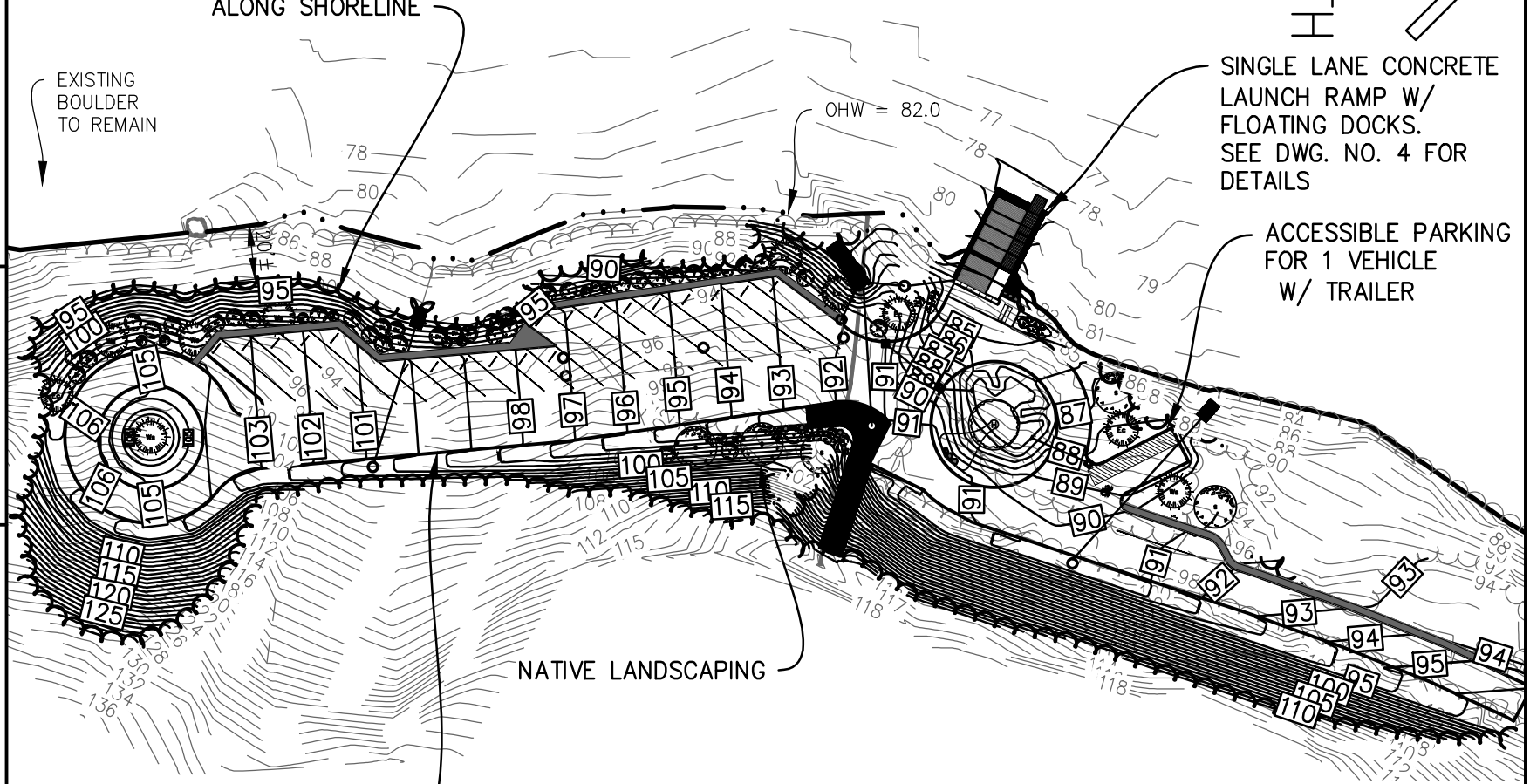


LIMITS OF CLEARING & GRUBBING
APPROXIMATE 20 FT. BUFFER OF
EXISTING VEGETATION PROTECTED
ALONG SHORELINE

EXISTING
BOULDER
TO REMAIN

SINGLE LANE CONCRETE
LAUNCH RAMP W/
FLOATING DOCKS.
SEE DWG. NO. 4 FOR
DETAILS

ACCESSIBLE PARKING
FOR 1 VEHICLE
W/ TRAILER



NATIVE LANDSCAPING

PAVED PARKING FOR
15 VEHICLES W/ TRAILERS
& 6 VEHICLE ONLY



Department of
Environmental
Conservation

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

BY	REVISIONS	DATE
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
SHEET 80	DRAWING NO. 3 of 9

REV	DESCRIPTION	DATE
DBB	IMPACTS TO U.S. WATERS UPDATED	3/15
AS	BUILT	

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

PROJECT NO.	68984
DATE	1/2015
SQUARE FEET	20
DRAWING NO.	4 of 9

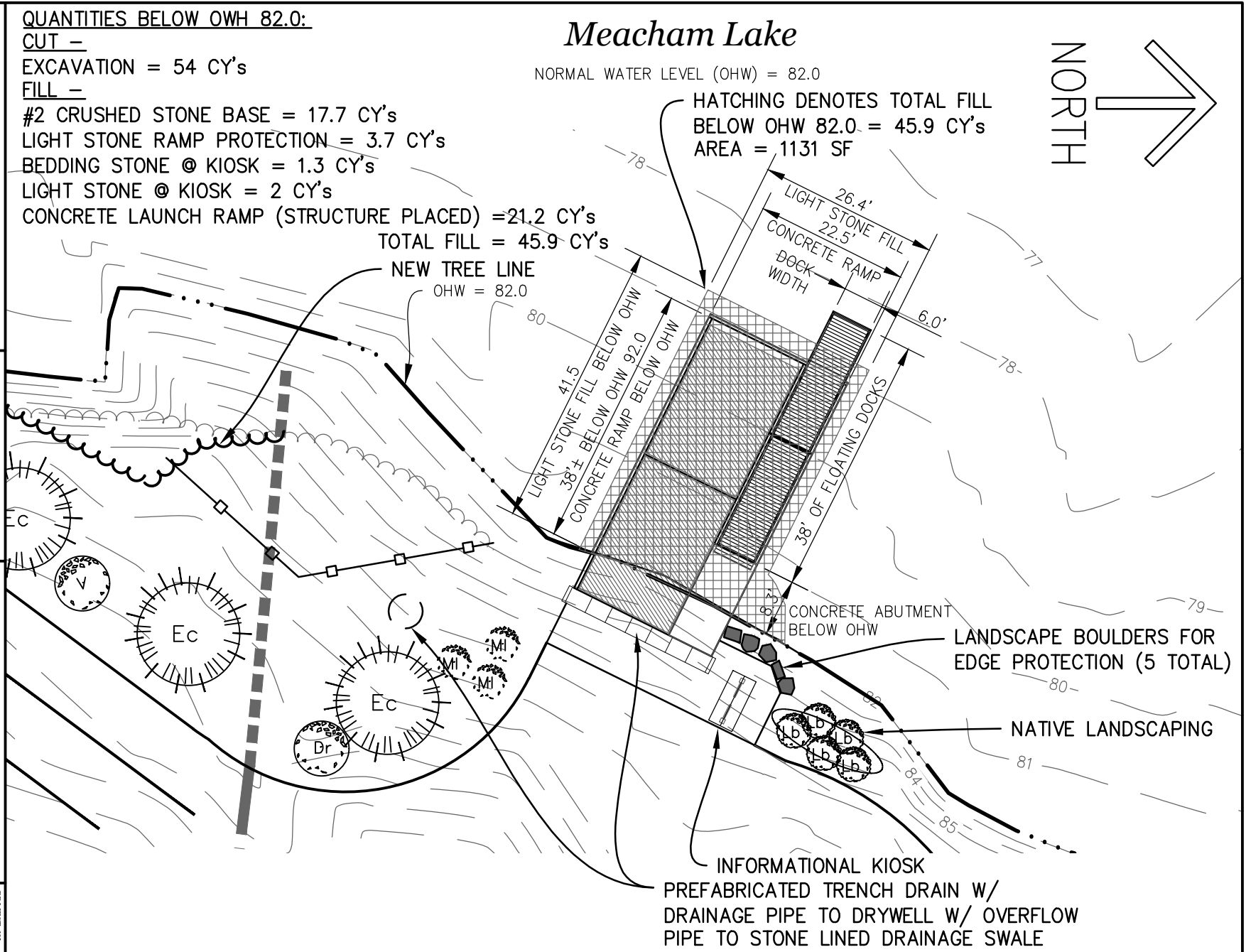
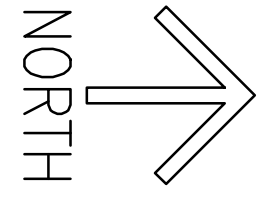
QUANTITIES BELOW OWH 82.0:

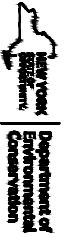
- CUT =
- EXCAVATION = 54 CY's
- FILL =
- #2 CRUSHED STONE BASE = 17.7 CY's
- LIGHT STONE RAMP PROTECTION = 3.7 CY's
- BEDDING STONE @ KIOSK = 1.3 CY's
- LIGHT STONE @ KIOSK = 2 CY's
- CONCRETE LAUNCH RAMP (STRUCTURE PLACED) = 21.2 CY's
- TOTAL FILL = 45.9 CY's**

Meacham Lake

NORMAL WATER LEVEL (OHW) = 82.0

HATCHING DENOTES TOTAL FILL
 BELOW OHW 82.0 = 45.9 CY's
 AREA = 1131 SF



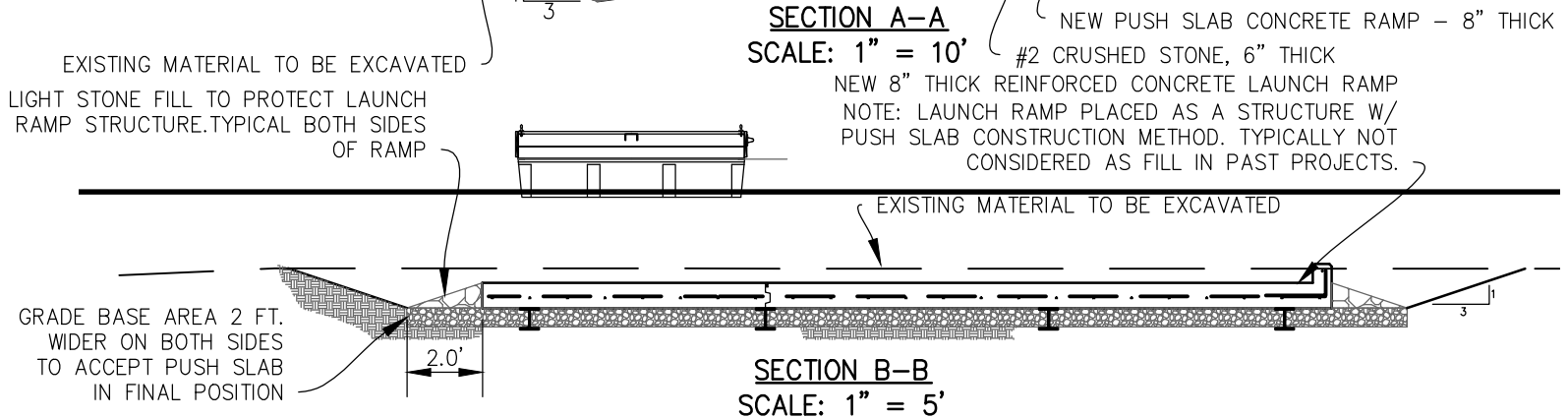
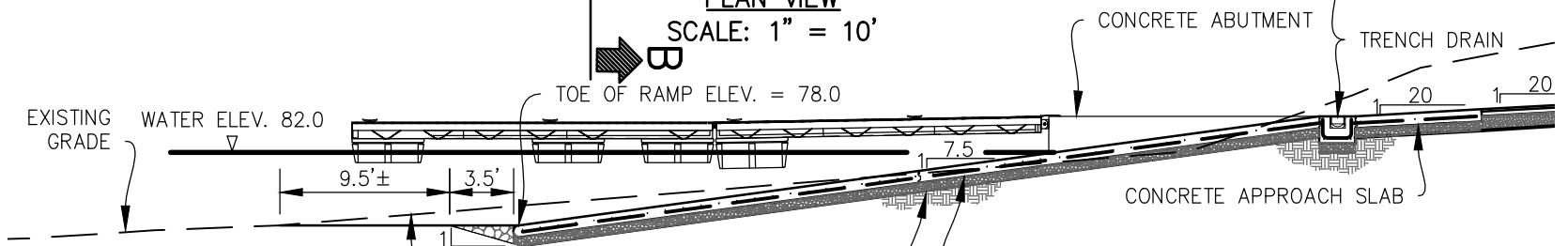
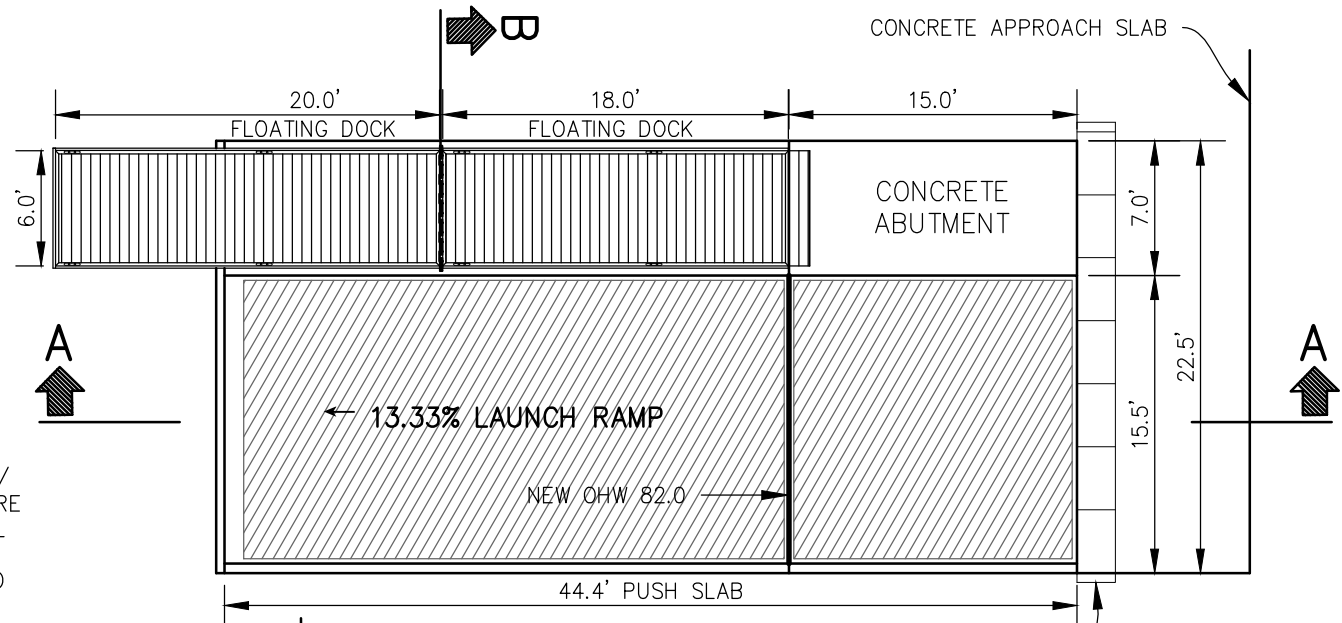


BY	REVISIONS	DATE
AS BUILT		

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 NOTED
 DRAWING NO.
 5 of 9

NOTE:
 DOCKS ARE GALVANIZED STEEL W/
 COMPOSITE DECKING AND PRESSURE
 TREATED BUMPER BOARDS ON ALL
 EXPOSED SIDES OR THE DOCK
 FRAME SHALL BE POWDER COATED
 BROWN IN COLOR

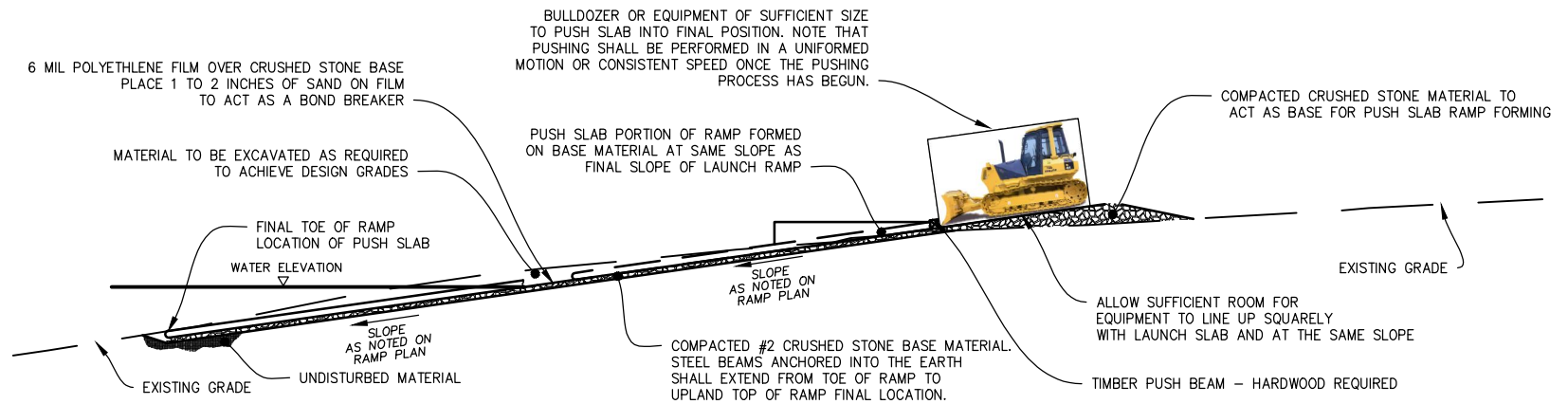


SECTION A-A
 SCALE: 1" = 10'
 NEW PUSH SLAB CONCRETE RAMP - 8" THICK
 #2 CRUSHED STONE, 6" THICK
 NEW 8" THICK REINFORCED CONCRETE LAUNCH RAMP
 NOTE: LAUNCH RAMP PLACED AS A STRUCTURE W/
 PUSH SLAB CONSTRUCTION METHOD. TYPICALLY NOT
 CONSIDERED AS FILL IN PAST PROJECTS.

PLANT LIST

LANDSCAPING

GENUS SPECIES	COMMON NAME	SIZE	QTY.	SPACING	SYMBOL
<i>Celtis occidentalis</i>	Hackberry	3" to 3.5" cal.	1	AS SHOWN	
<i>Picea glauca</i>	White Spruce	10' -12' FT. height	1	AS SHOWN	
<i>Vaccinium angustifolium</i>	Low bush blueberry	#3 Cont. 3' -4' FT. height	5	5 FT. ON CENTER	
<i>Kalmia latifolia</i>	Mountain Laurel	#3 Cont. 3' -4' FT. height	19	8 FT. ON CENTER	
<i>Viburnum trilobum</i>	Viburnum	#3 Cont. 3' -4' FT. height	13	8 FT. ON CENTER	
<i>Cornus sericea</i>	Dogwood Red osier red-stem	#3 Cont. 3' -4' FT. height	12	5 FT. ON CENTER	
<i>Amelanchier canadensis</i>	Serviceberry	#10 Cont. 6' -7' FT. height	7	20 FT. ON CENTER	



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

BY DESCRIPTION DATE NO.

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

DATE

DRAWING NO.

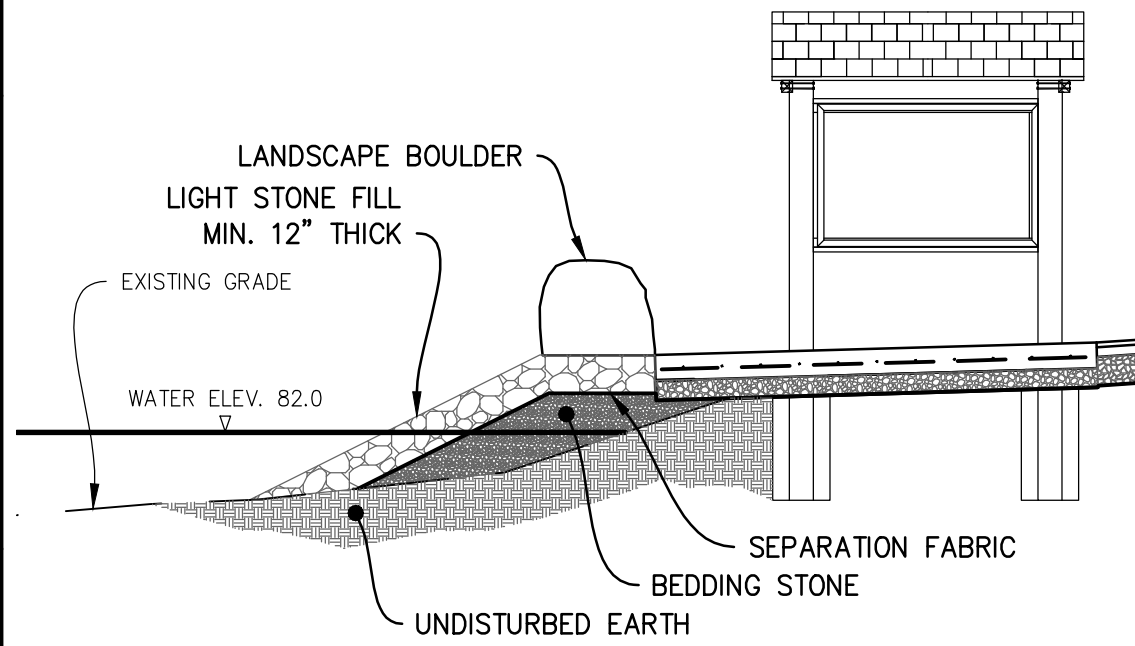
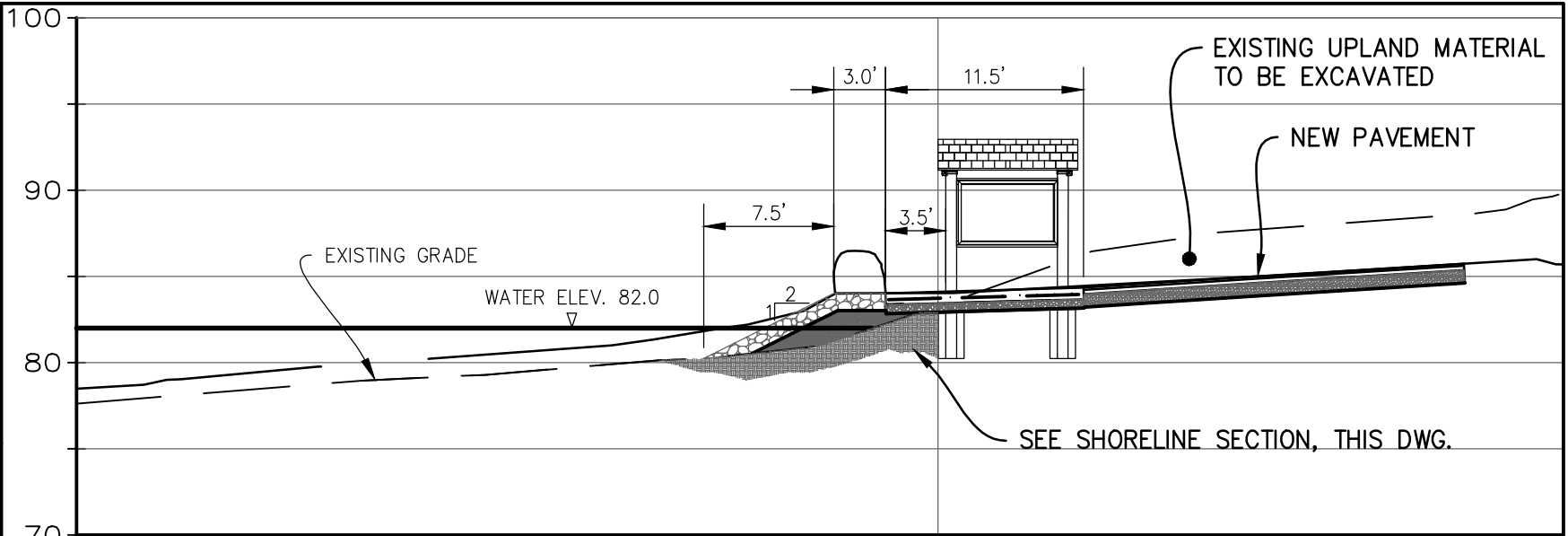
6 of 9

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

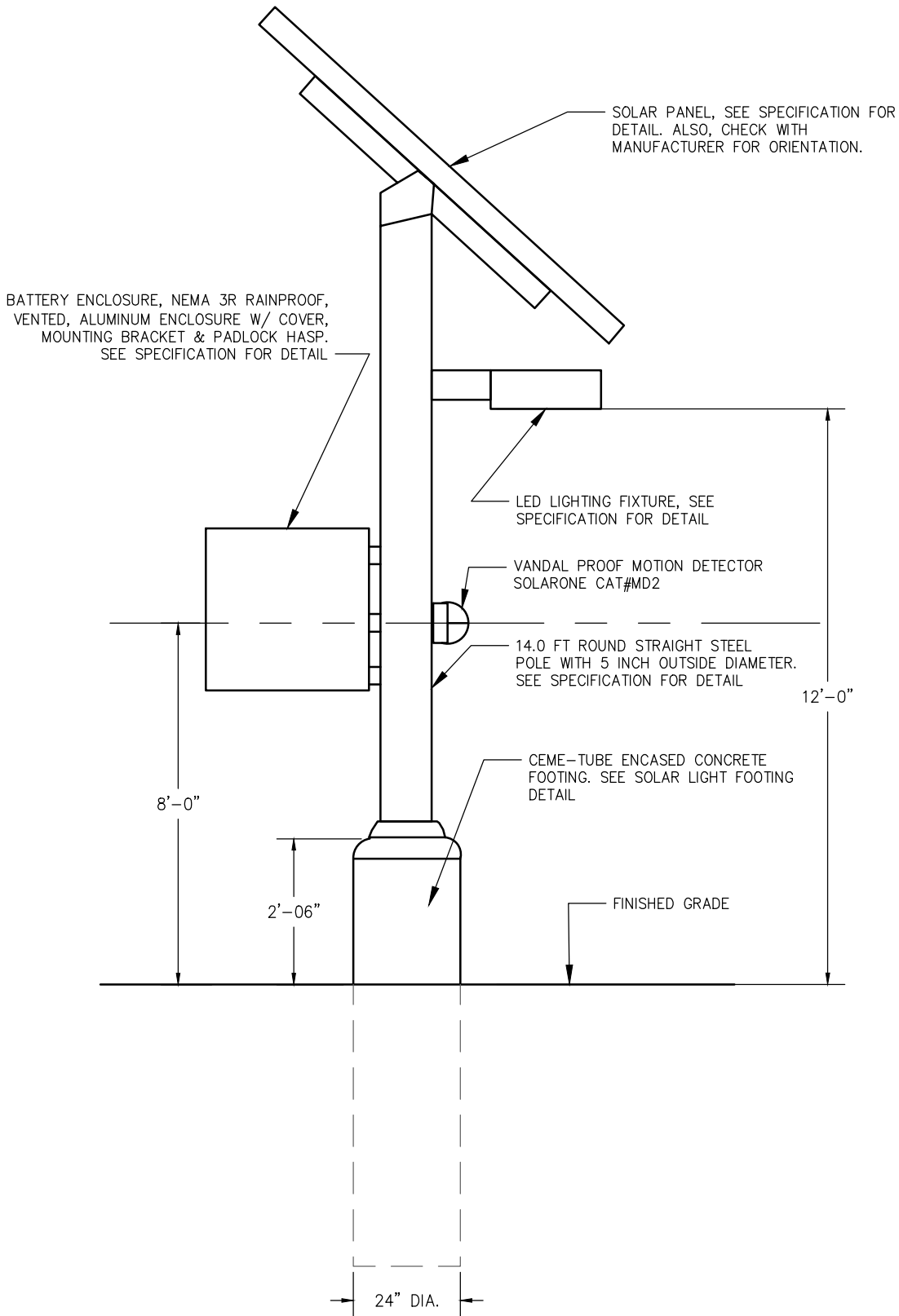
BY	REVISIONS	DATE
AS BUILT		

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
 N.T.S.
 DRAWING NO.
 7 of 9



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



SOLAR LIGHT POLE DETAIL

NOT TO SCALE

Meacham Lake

NORMAL WATER LEVEL 82.0

SIGN POST, SEE SPEC. & DETAIL, THIS DWG.
"VEHICLE W/ TRAILER PARKING ONLY" SIGN BY OTHERS

SIGN POST, SEE SPEC. & DETAIL, THIS DWG.
"VEHICLE W/ TRAILER PARKING ONLY" SIGN BY OTHERS
NOTE: CONTRACTOR TO INSTALL ALL SIGN POSTS. WITH THE EXCEPTION OF THE STAGING AREA SIGN POST, INSTALL ALL POSTS 2 FT. BACK FROM EDGE OF PAVEMENT

INSTALL PARKING BUMPERS 2 FT. BACK FROM EDGE OF PAVEMENT

WHITE PAINTED LETTERING, 12" HIGH, SEE SPEC.
"DON'T SPREAD INVASIVE SPECIES CLEAN, DRAIN & DRY YOUR BOAT"

NOTE: CENTER LETTERING W/ RAMP LANE

SIGN POST, SEE SPEC. & DETAIL, THIS DWG.
"STAGING AREA" SIGN BY OTHERS

SIGN POST W/ "RESERVED PARKING" SIGN, SEE SPEC.

SIGN POST W/ "NO PARKING ANYTIME" SIGN, SEE SPEC.

ACCESSIBLE PARKING AISLE SEE NOTE, THIS DWG.

SIGN POST, SEE SPEC. & DETAIL, THIS DWG.
"AIS PREVENTION" SIGN BY OTHERS

4" WIDE YELLOW STRIPE (TYP.) SEE SPEC.

SIGN POST W/ "NO PARKING ANYTIME" SIGN, SEE SPEC.

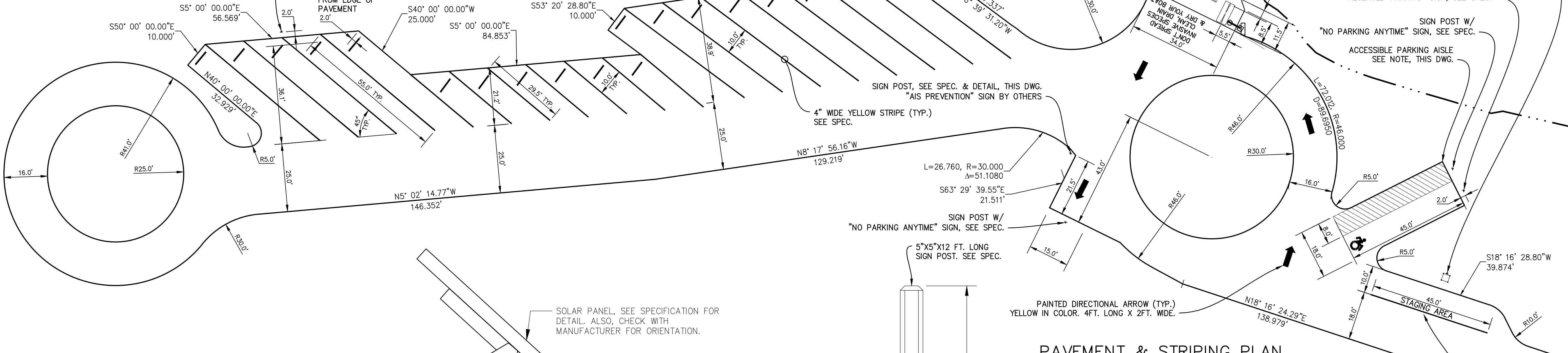
PAINTED DIRECTIONAL ARROW (TYP.) YELLOW IN COLOR. 4FT. LONG X 2FT. WIDE.

WHITE PAINTED LETTERING, 12" HIGH
"STAGING AREA". SEE SPEC.

PAVEMENT & STRIPING PLAN

SCALE: 1" = 20'

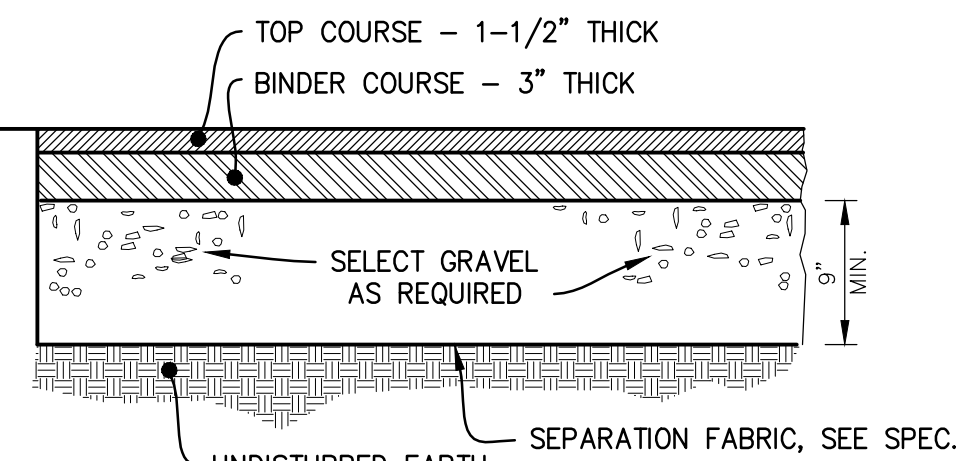
NOTE: THE ACCESSIBLE PARKING SYMBOL SHALL BE 3 FT. x 3 FT. IN SIZE AND WHITE OR BLUE IN COLOR. THE AISLE SHALL BE STRIPED WITH 4 INCH WIDE, WHITE OR BLUE DIAGONAL STRIPES AT A 45 DEGREE ANGLE AND 2 FT. ON CENTER. A PARKING SIGN AND POST SHALL BE ERECTED 2 FT. AWAY FROM THE FINISHED PAVEMENT EDGE. SEE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



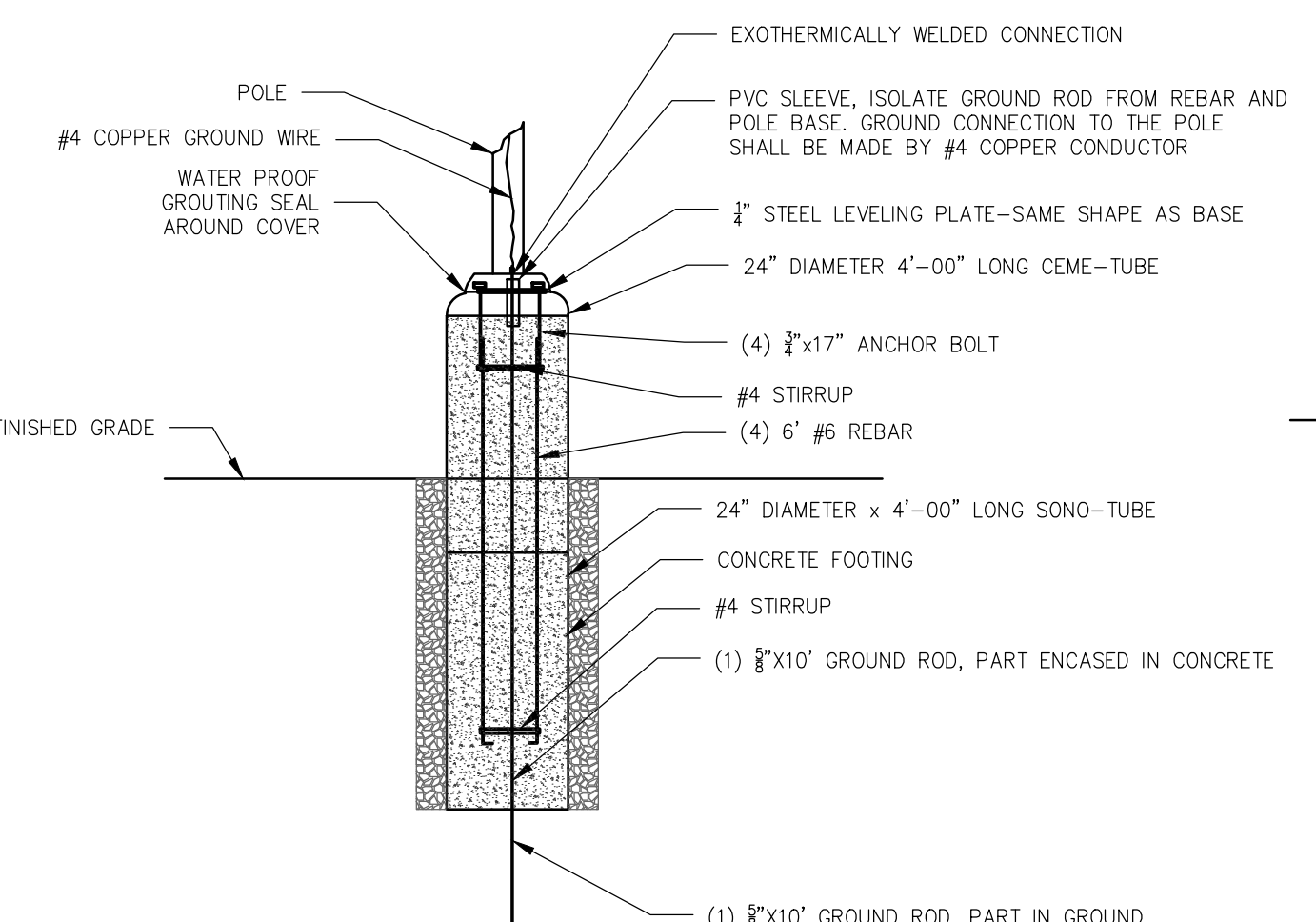
BATTERY ENCLOSURE, NEMA 3R RAINPROOF, VENTED, ALUMINUM ENCLOSURE W/ COVER, MOUNTING BRACKET & PADLOCK HASP. SEE SPECIFICATION FOR DETAIL

SOLAR PANEL, SEE SPECIFICATION FOR DETAIL. ALSO, CHECK WITH MANUFACTURER FOR ORIENTATION.

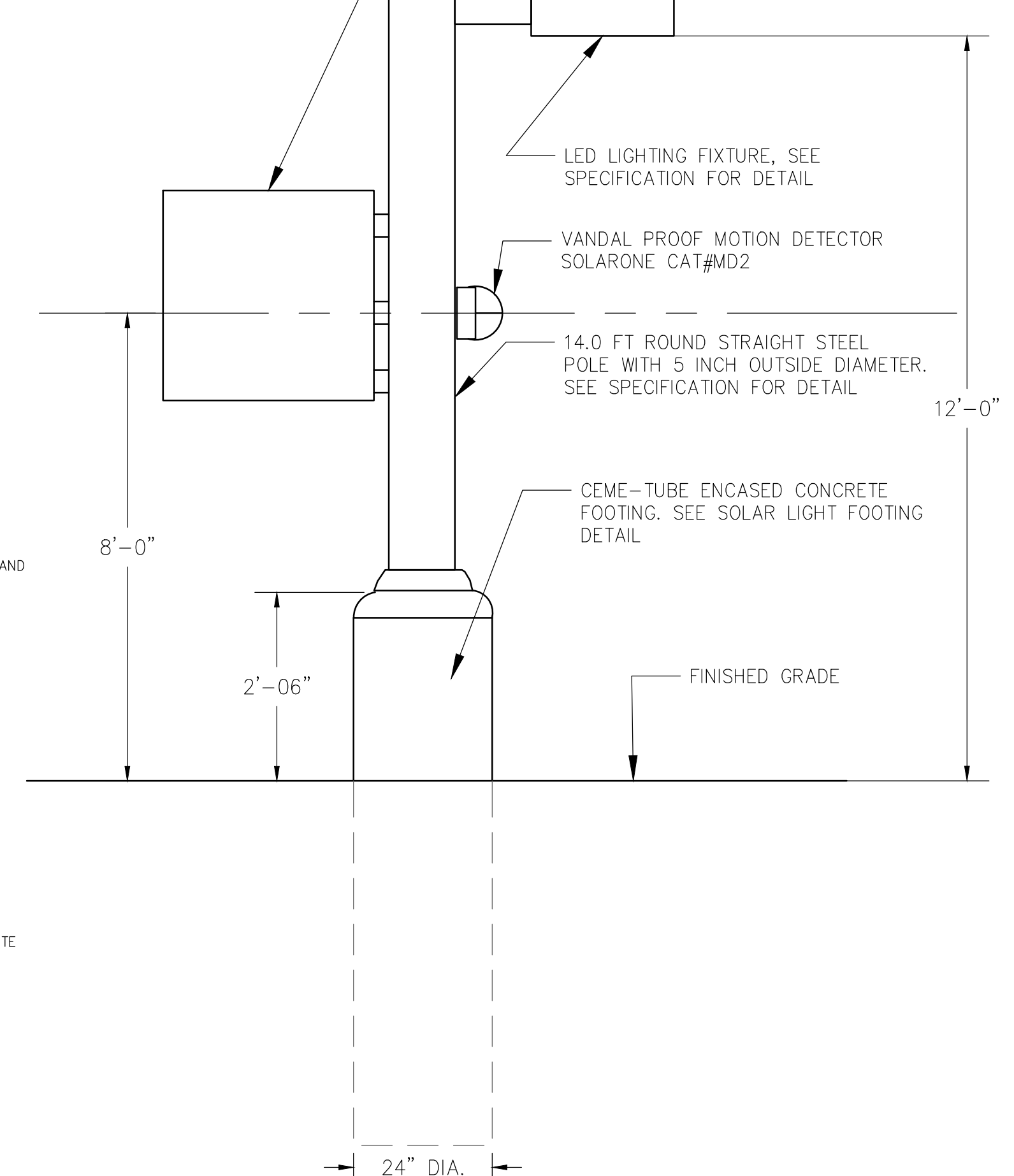
FINISHED GRADE SEE DWG. NO. 4 FOR ELEVATIONS



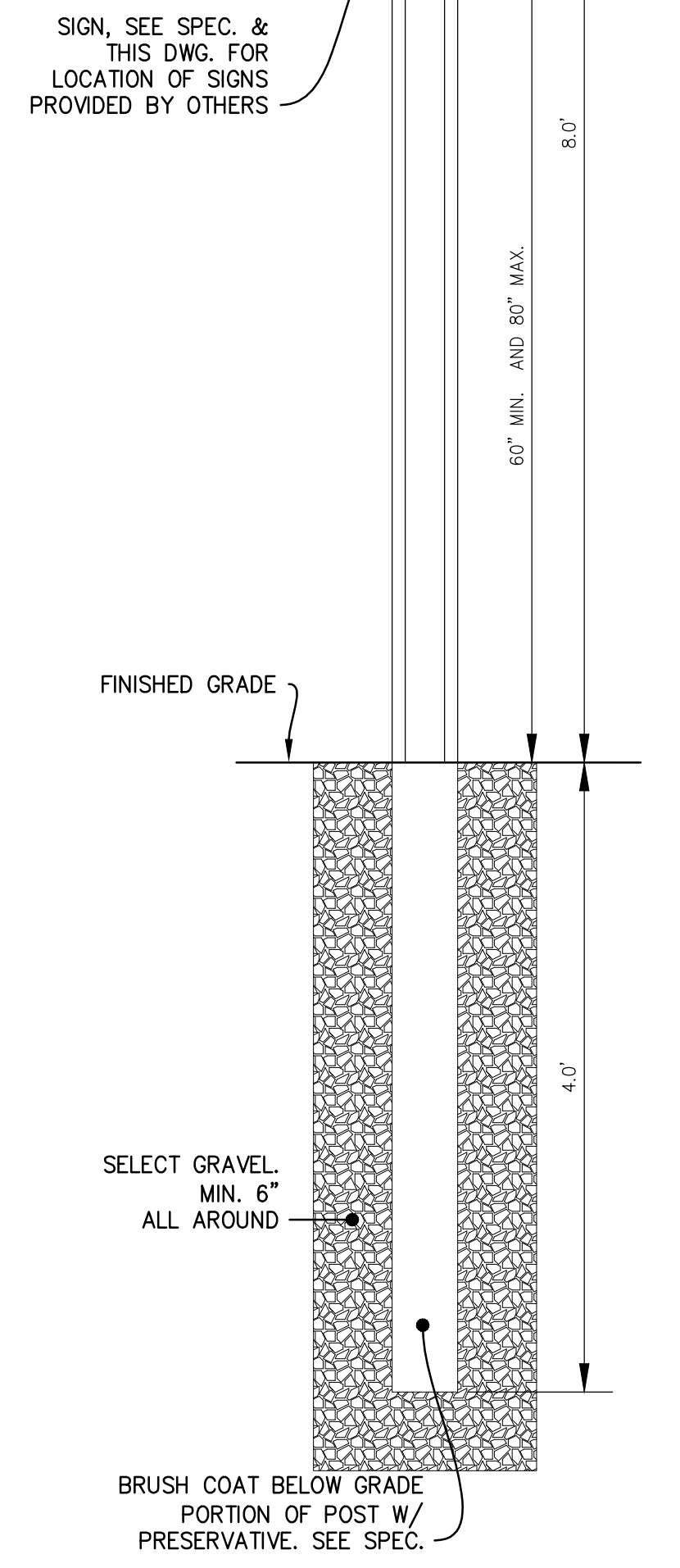
TYPICAL PAVEMENT DETAIL
NOT TO SCALE



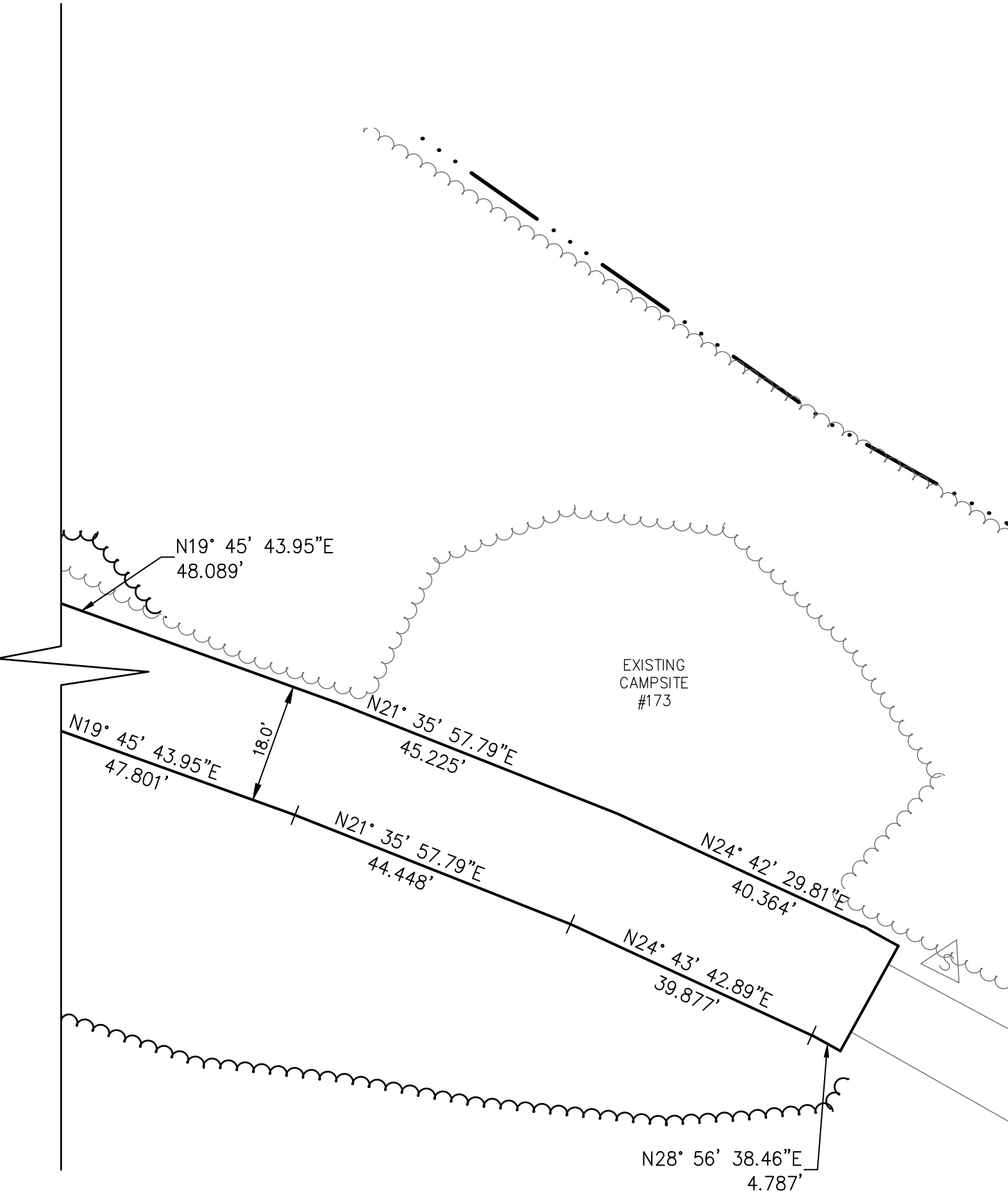
SOLAR LIGHT FOOTING DETAIL
NOT TO SCALE



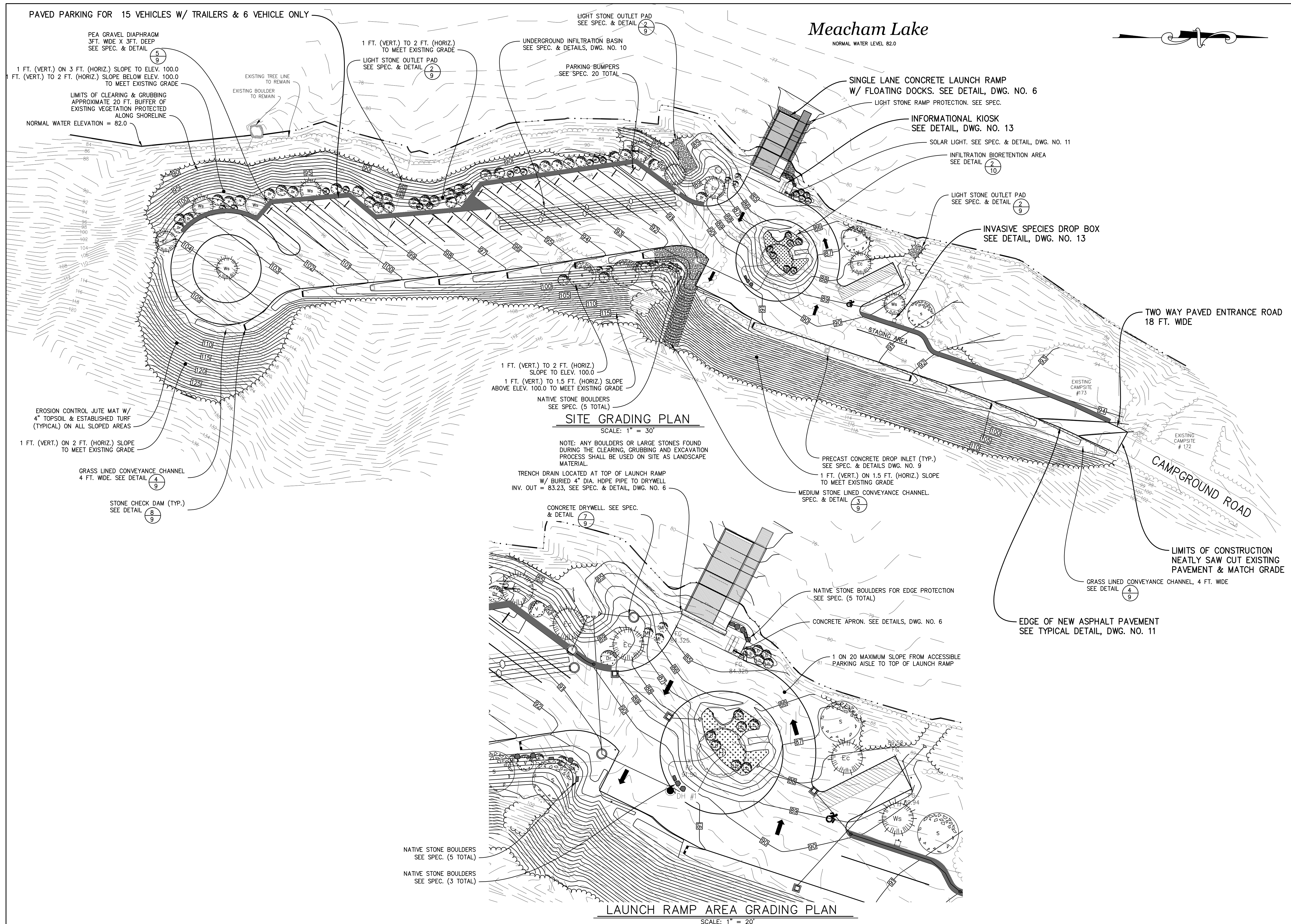
SOLAR LIGHT POLE DETAIL
NOT TO SCALE



SIGN POST DETAIL
SCALE: 1" = 1'-0"



Department of Environmental Conservation 		DESIGNED BY <u>J.P.B.</u>		CHECKED BY <u>A.N.</u>		DRAWN BY <u>J.P.B.</u>	
		BY		BY		BY	
NEW YORK STATE OF OPPORTUNITY. 		REVISIONS		PROJECT DESCRIPTION		FACILITY NAME	
		DESCRIPTION		MEACHAM LAKE CAMPGROUND BOAT LAUNCH SITE		MEACHAM LAKE CAMPGROUND	
DIVISION OF OPERATIONS BUREAU OF DESIGN AND CONSTRUCTION		AS BUILT		PAVEMENT & STRIPING PLAN AND SITE DETAILS		FACILITY NO. 0050	
						PROJECT NO. 68984	
						DATE APRIL, 2015	
						SCALE AS NOTED	
						DRAWING NO. 11	



Meacham Lake

NORMAL WATER LEVEL 82.0

SITE GRADING PLAN

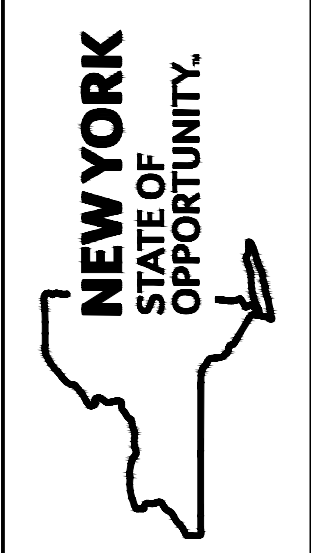
SCALE: 1" = 30'

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**



DIVISION OF OPERATIONS
BUREAU OF DESIGN AND CONSTRUCTION

DESIGNED BY	CHECKED BY	DRAWN BY
D.P.B.	K.W.L.	J.P.E.

NO.	DATE	DESCRIPTION

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

PROJECT DESCRIPTION
MEACHAM LAKE CAMPGROUND
BOAT LAUNCH SITE
SITE GRADING PLAN

AS BUILT

