



Adirondack Park Agency

**Deputy Director will sign this hearing notice to use for mailing and for file
Do not use for paper publication**

**NOTICE OF PUBLIC HEARING ON REQUESTED VARIANCE FROM APA ACT
SHORELINE RESTRICTIONS
Project Number P2016-0029A**

NOTICE: THE ADIRONDACK PARK AGENCY WILL HOLD A HEARING ON A REQUESTED VARIANCE FROM APA ACT SHORELINE RESTRICTIONS, Project No. P2016-0029A, pursuant to Executive Law § 806, on application of LS MARINA LLC for a variance in the Town of Harrietstown, Franklin County, on NYS Route 3, in a Hamlet land use area on the APLUDP Map; tax map numbers: 457-3-10, 457-4-10, and 457-2-33.1; involving the installation of open-sided, covered boat berths at a pre-existing marina located in Crescent Bay, Lower Saranac Lake.

Hearing by teleconference on June 5, 2023, from 2pm to 4pm, accessible on the web: <https://tinyurl.com/APA-P2016-0029A>; and on phone: 1-518-549-0500 Local, Access Code: 161 668 0164.

Any person or public agency entitled to individual notice pursuant to 9 NYCRR § 576.5(d)(2) may participate in the hearing. Any person is invited to make a comment on the proposal during the hearing.

Interpretation or transcription services will be made available to persons who are hearing impaired at no charge upon e-mailed request at least five days prior to the hearing date.

All comments received by the close of the hearing become part of the record and will be considered prior to any determination on the variance. Submit any written comments to or request variance information from John Burth, Environmental Program Specialist, via e-mail at RPcomments@apa.ny.gov. Additional information is available at www.apa.ny.gov.

5/17/23
DATE



David J. Plante, AICP CEP
Deputy Director, Regulatory Programs
Adirondack Park Agency

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 Adirondack Park Agency

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Description	Qty	Unit price	Amount	
05/25/2023: Custom Notice	1	21.28	21.28	
Base Affidavit Fee	1	4.00	4.00	
=== Notes === Notice Name: Copy P2016-0029A-Novh for - ADE Order Number: LC028			Subtotal	\$25.28
			Tax	0.00
			Processing Fee	2.53
			Amount paid	\$27.81



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Notice ID: liHFvSjcfQuQUOePqmYv | **Proof Updated: May. 23, 2023 at 09:06am EDT**
Notice Name: Copy P2016-0029A-Novh for - ADE | Publisher ID: LC028

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FILER	FILING FOR
Stephanie Petith stephanie.petith@apa.ny.gov (518) 891-4050	Adirondack Daily Enterprise

Columns Wide: 1	Ad Class: Legals
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05/25/2023: Custom Notice	21.28
Base Affidavit Fee	4.00

Subtotal	\$25.28
Tax	\$0.00
Processing Fee	\$2.53
Total	\$27.81

See Proof on Next Page

**PUBLIC NOTICE
NOTICE OF
VARIANCE HEARING**
Project Number
P2016-0029A

ADIRONDACK PARK AGENCY HEARING ON VARIANCE FROM APA ACT SHORELINE RESTRICTIONS on application of LS MARINA LLC for a variance in the Town of Harriestown, Franklin County in a Hamlet land use area on the APLUDP Map; tax map #s 457-3-10, 457-4-10, and 457-2-33.1; involving the installation of open-sided, covered boat berths at a pre-existing marina located in Crescent Bay, Lower Saranac Lake.

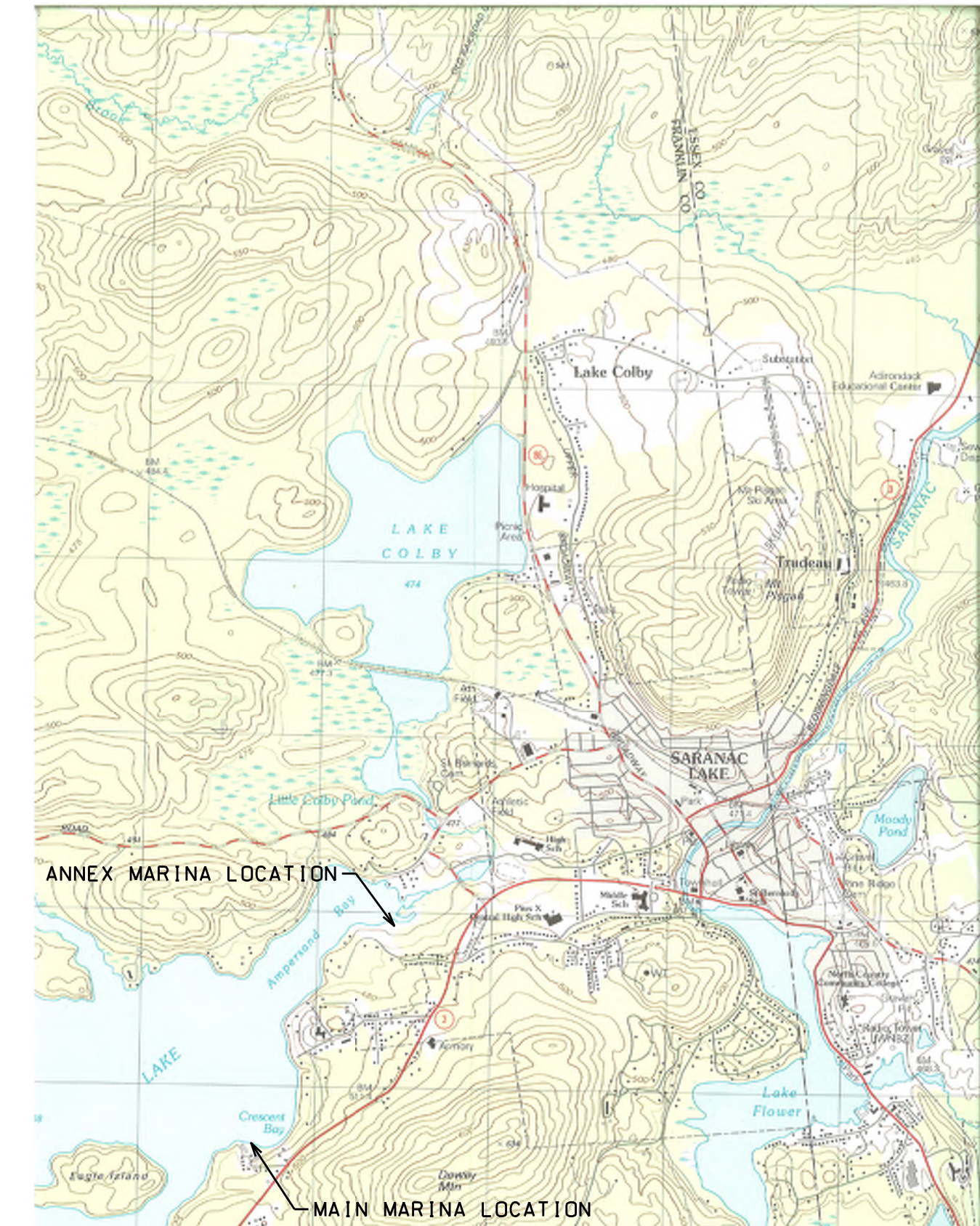
Hearing by teleconference on June 5, 2023, from 2pm to 4pm, at <https://tinyurl.com/APA-P2016-0029A>; and 1-518-549-0500 Local, Access Code: 161 668 0164.

Any party entitled to individual notice pursuant to 9 NYCRR § 576.5 may participate. Any person is invited to make a comment on the proposal during the hearing.

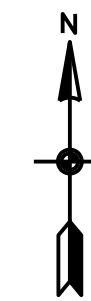
Interpretation/transcription services available to hearing impaired persons upon request at least five days prior to hearing date.

Comments can be submitted by close of hearing to RPcomments@apa.ny.gov. Additional information at www.apa.ny.gov.
Pub.: May 25, 2023

LS MARINA, LLC SARANAC LAKE MARINA SARANAC LAKE, NY



LOCATION MAP



North Woods Engineering P.L.L.C.
348 Lake Street
Saranac Lake, NY 12983
(518) 891-4975
www.north-woods-engineering.com
New York State Certified
Service-Disabled Veteran-Owned Business



WARNING: IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

LS MARINA, LLC
SARANAC LAKE MARINA

LIST OF ABBREVIATIONS

AB	ANCHOR BOLT	GA	GAUGE	SB	SETBACK
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	GALV	GALVANIZED	SC	SOLID CORE
AFF	ABOVE FINISH FLOOR	GC	GENERAL CONTRACTOR	SCHED	SCHEDULE
ALUM	ALUMINUM	HC	HOLLOW CORE	SEAL	CONCRETE SEALER
ALT	ALTERNATE	HORZ	HORIZONTAL	SF	SQUARE FOOT
APPROX	APPROXIMATE	HT	HEIGHT	SIM	SIMILAR
ARCH	ARCHITECTURAL			SPEC	SPECIFICATION
				SQ	SQUARE
BM	BENCH MARK	IAW	IN ACCORDANCE WITH	SST	STAINLESS STEEL
BLDG	BUILDING	ID	INSIDE DIAMETER	STD	STANDARD
BRK	BREAK	INC	INCLUDING	STL	STEEL
BJ	BAR JOIST			STR	STRAIGHT
		LLH	LONG LEG HORIZONTAL	STRUCT	STRUCTURAL
		LLV	LONG LEG VERTICAL		
CIP	CAST IN PLACE CONSTRUCTION JOINT	MAT'L	MATERIAL	T&B	TOP AND BOTTOM
CJ	CONTROL JOINT	MAS	MASONRY	TC	TERRA COTTA
CLR	CLEAR	MAX	MAXIMUM	TO	TOP OF
CM	CONSTRUCTION MANAGER	MFR	MANUFACTURER	TOBP	TOP OF BEAM POCKET
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM	TOP	TOP OF FOOTER
COL	COLUMN	MO	MASONRY OPENING	TOP	TOP OF PIER
CONN	CONNECTION	MTL	METAL	TOS	TOP OF SLAB
CONT	CONTINUOUS			TOST	TOP OF STEEL
CONTR	CONTRACTOR	N	NORTH	TOW	TOP OF WALL
CY	CUBIC YARD	NIC	NOT IN CONTRACT	TYP	TYPICAL
		NO	NUMBER	UNO	UNLESS NOTED OTHERWISE
DET	DETAIL	NOM	NOMINAL	UTIL	UTILITY
DIA	DIAMETER	NTS	NOT TO SCALE		
DIM	DIMENSION			VB	VAPOR BARRIER
DN	DOWN	OC	ON CENTER	VERT	VERTICAL
DD	DITTO	OD	OUTSIDE DIAMETER	VIF	VERIFY IN FIELD
DWG	DRAWING				
EC	ELECTRICAL CONTRACTOR	PCF	POUNDS PER CUBIC FOOT	W	WEST
EJ	EXPANSION JOINT	PSF	POUNDS PER SQUARE FOOT	W/	WITH
EL	ELEVATION			W/O	WITHOUT
ES	EXPOSED STRUCTURAL	RAD	RADIUS	W/W	WALL TO WALL
ETR	EXISTING TO REMAIN	REINF	REINFORCED/REINFORCEMENT	WWM	WELDED WIRE MESH
EW	EACH WAY	REQ	REQUIRED	WS	WALL STEP
EXIST	EXISTING	REV	REVISION		
EXP	EXPANSION	RO	ROUGH OPENING		
EXT	EXTERIOR	RP	RIGGING POINT		
FFE	FINISH FLOOR ELEVATION				
FL	FLOOR				
FND	FOUNDATION				
FR	FIRE RESISTANT				
FRM	FORMER				
FTG	FOOTING				
FS	FOOTING STEP				

SHEET INDEX

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		C55	UTILITY DETAILS

LAND USE AND ZONING CLASSIFICATION

HAMLET (APA)
B-3 RESORT BUSINESS (TOWN OF HARRIETSTOWN)

LOT SIZE
MIN AREA: 2 AC
MIN. LOT WIDTH: 150 FT

BUILDING SETBACKS
FRONT: 50'
REAR: 25'
SIDE: 25'
SHORELINE: 50'

PRINCIPAL BUILDING:
HEIGHT: 40'
DENSITY: 30%

SYMBOLS LEGEND

DEMOLITION SYMBOL		
DETAIL MARK		DETAIL NUMBER SHEET WHERE DETAIL IS SHOWN
SECTION MARK		SECTION NUMBER SHEET WHERE SECTION IS SHOWN
REFERENCE ELEVATION		
REPAIR KEYNOTE		

PROJECT NAME

LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
03-30-23	OWNER CHANGES	A

DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

TITLE

COVER

SHEET

COV



WARNING: IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON UNLESS ACTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER IN ANY MANNER, IF ALTERED, THE SEAL AND THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

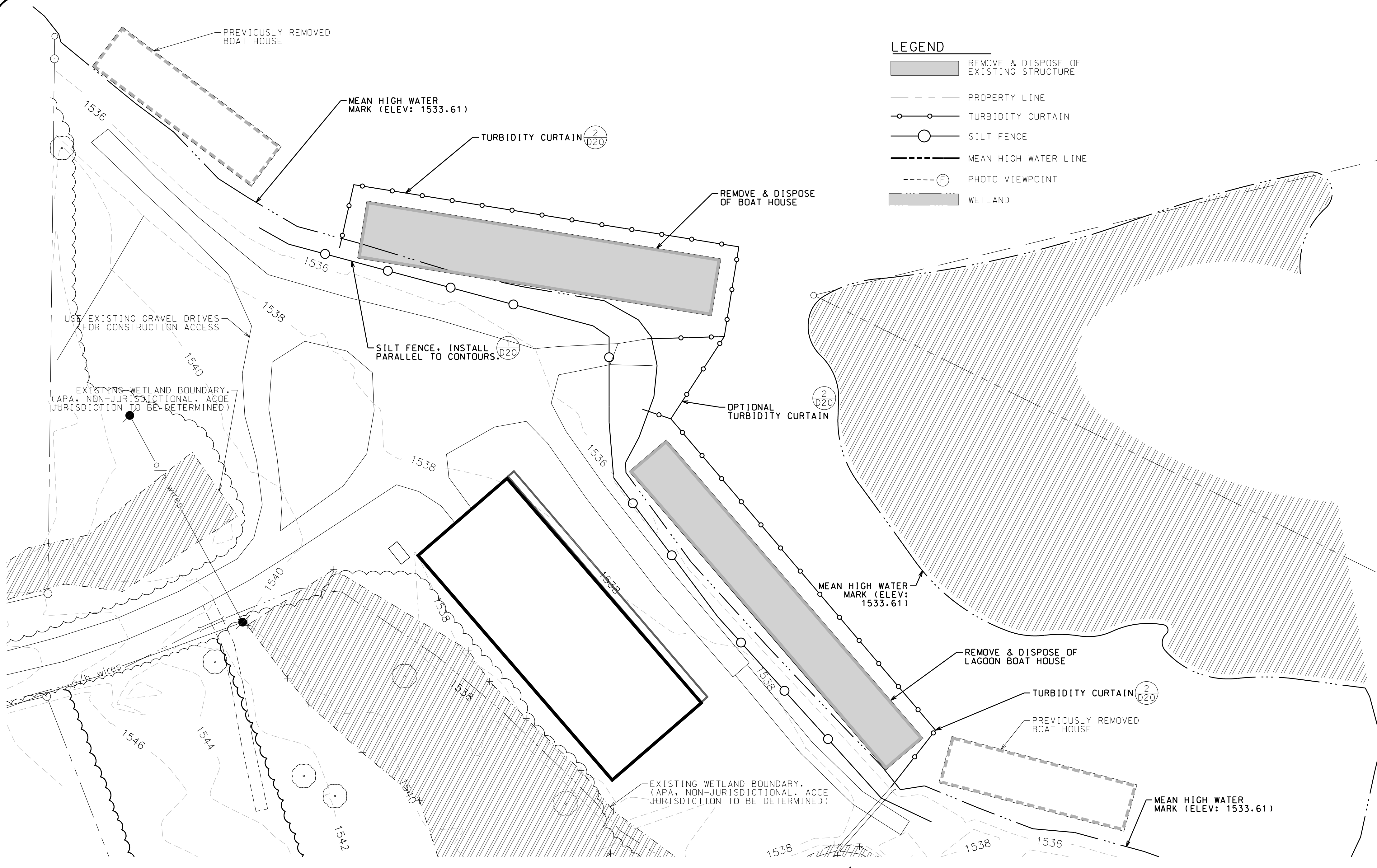
L.S. MARINA, LLC
SARANAC LAKE MARINA

- LEGEND**
- REMOVE & DISPOSE OF EXISTING STRUCTURE
 - PROPERTY LINE
 - TURBIDITY CURTAIN
 - SILT FENCE
 - MEAN HIGH WATER LINE
 - PHOTO VIEWPOINT
 - WETLAND

- NOTES:**
- THE APPLICANT RESERVES THE RIGHT TO REPLACE ALL STRUCTURES PROPOSED TO BE DEMOLISHED.
 - ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE WITH SEED AND STRAW MULCH. SEED MIX SHALL BE IN 50% PERENNIAL RYE AND 50% ANNUAL RYE, AND STRAW MULCH SHALL BE FREE OF INVASIVE SPECIES AND APPLIED AT A RATE OF 2-3 BALES PER 1,000 SQUARE FEET.

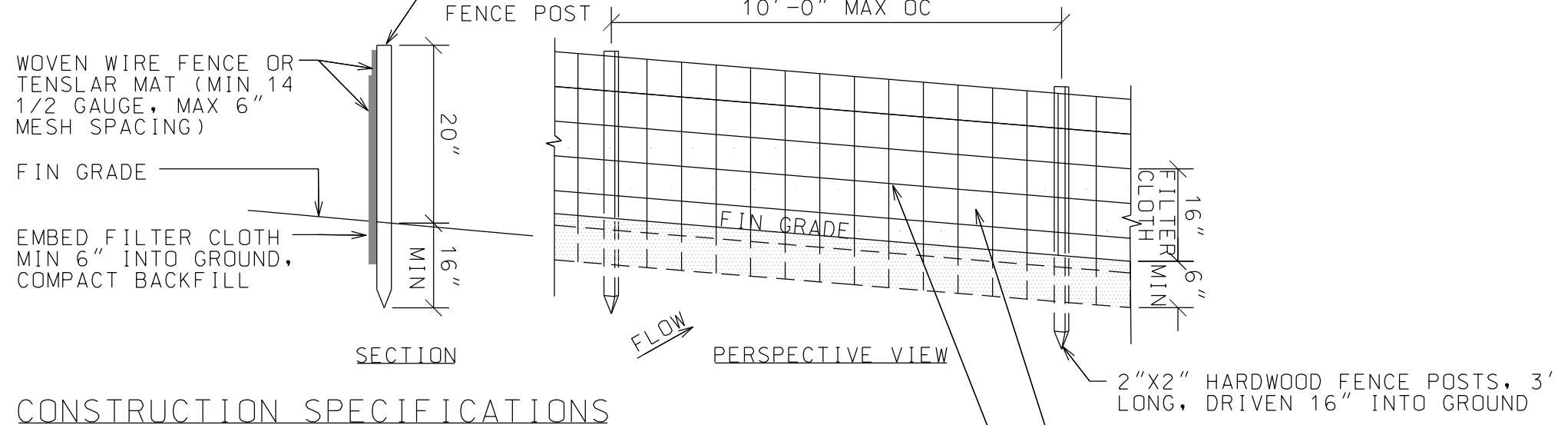
- RESTRICTIONS:**
- EQUIPMENT MAY NOT BE OPERATED FROM THE WATER. ALL EQUIPMENT, INCLUDING THE CLAW EXCAVATOR, SHOULD BE LOCATED ON LAND AND ALL WORK SHOULD OCCUR FROM LAND. HOWEVER, PERSONNEL WITH HAND OPERATED TOOLS, SUCH AS CHAINSAWS AND SAWSALLS, MAY WORK FROM THE PROPOSED BARGE.
 - THERE SHALL BE NO DRAINING, DREDGING, EXCAVATION, OR REMOVAL OF SOIL, PEAT, MUD, SAND, SHELLS, GRAVEL OR OTHER AGGREGATE TO THE WETLAND EITHER DIRECTLY OR INDIRECTLY.
 - THERE SHALL BE NO DUMPING, FILLING, OR DEPOSITION OF ANY SOIL, STONES, SAND, GRAVEL, MUD, RUBBISH OR FILL OF ANY KIND, EITHER DIRECTLY OR INDIRECTLY IN THE WETLAND.
 - THE PORTION OF THE STRUCTURE LOCATED BELOW WATER LEVEL, INCLUDING THE POSTS AND FOUNDATION, SHOULD BE REMOVED WITH MINIMAL DISTURBANCE TO THE WETLAND. IN NO CASE SHOULD ANY WETLAND VEGETATION BE DISTURBED OR REMOVED.
 - ANY PARTS OR DEBRIS FROM THE STRUCTURE THAT FALL INTO THE WETLAND SHOULD BE REMOVED BY HAND ONLY.
 - IN ORDER TO AVOID SEDIMENTATION INTO THE WETLAND, A TURBIDITY CURTAIN SHOULD BE DEPLOYED IN LOWER SARANAC LAKE SURROUNDING THE BOATHOUSE, AND BE GENERALLY LOCATED NO MORE THAN 10 FEET FROM THE FOOTPRINT OF THE BOATHOUSE. THE TURBIDITY CURTAIN SHOULD BE MAINTAINED UNTIL THERE IS NO VISIBLE DIFFERENCE OF WATER CLARITY WITHIN THE TURBIDITY CURTAIN AND OUTSIDE THE TURBIDITY CURTAIN. IN ADDITION, A SILT FENCE SHOULD BE ERECTED BETWEEN THE BOATHOUSE AND THE EMERGENT MARSH ALONG THE ADJACENT SHORELINE. THE SILT FENCE SHOULD BE MAINTAINED UNTIL THE PROJECT IS COMPLETED.
 - ALL WASTE MATERIALS SHOULD BE DISPOSED OF AT A LAWFUL WASTE DISPOSAL AREA.

DEMOLITION NOTE:
 DEMOLITION HAS ALREADY OCCURRED DUE TO UNSAFE CONDITION OF OLD STRUCTURES. SHEET IS PROVIDED FOR INFORMATION ONLY.



DEMOLITION PLAN
 1" = 30'

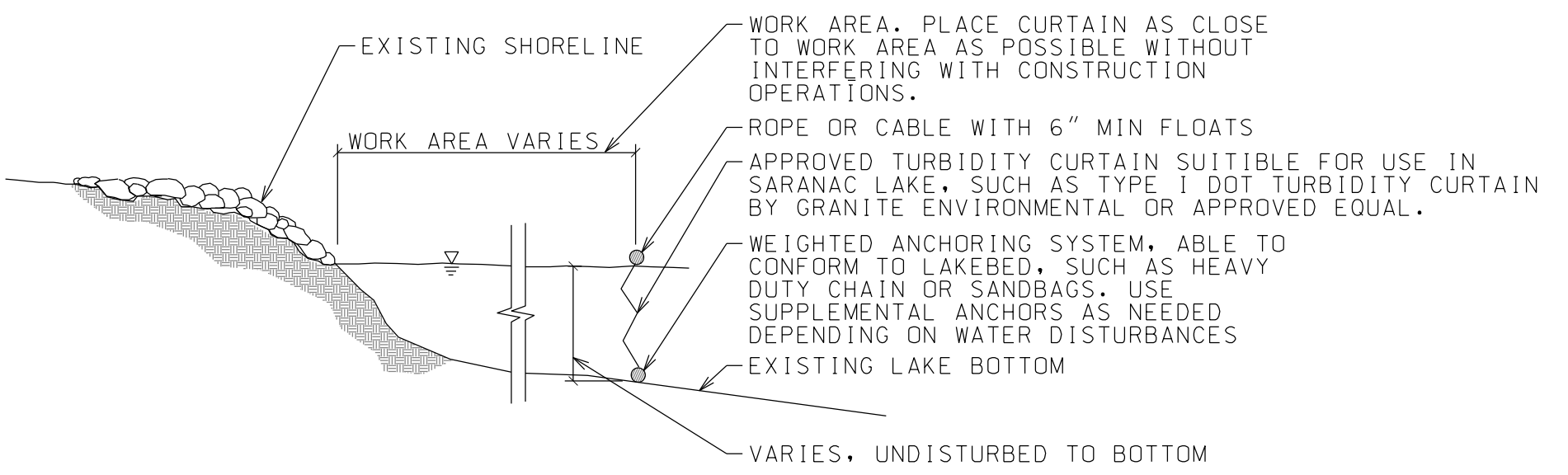
NOTE:
 SILT FENCE LOCATION SHOWN ON PLANS IS DIAGRAMMATIC. SILT FENCE SHALL BE PLACED PARALLEL TO CONTOURS.



CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 1/3 HEIGHT OF SILT FENCE IS REACHED OR WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 SILT FENCE
 D20 NTS



- NOTES:**
- LAST SECTION SHALL TERMINATE 10' MIN. BEYOND THE LIMIT OF WORK LINE.
 - ANCHOR ENDS OF CURTAIN ON SHORE, MINIMUM 3' UPLAND OF O.H.W. MARK. TURBIDITY CURTAIN SHALL BE INSTALLED IN ACCORDANCE WITH THE NYS STANDARDS FOR EROSION & SEDIMENT CONTROL.

2 TURBIDITY CURTAIN
 D20 NTS

PROJECT NAME		
LOCATION		
4901 NYS ROUTE 3 SARANAC LAKE, NEW YORK		
DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
DRAWN BY: BMD/KMR		
CHECKED BY: JA GARSO		
PROJECT #: 19-061		
ORIGINAL 24"x36"		
TITLE		
ANNEX MARINA DEMOLITION PLAN		
SHEET		
D20		



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LS MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME
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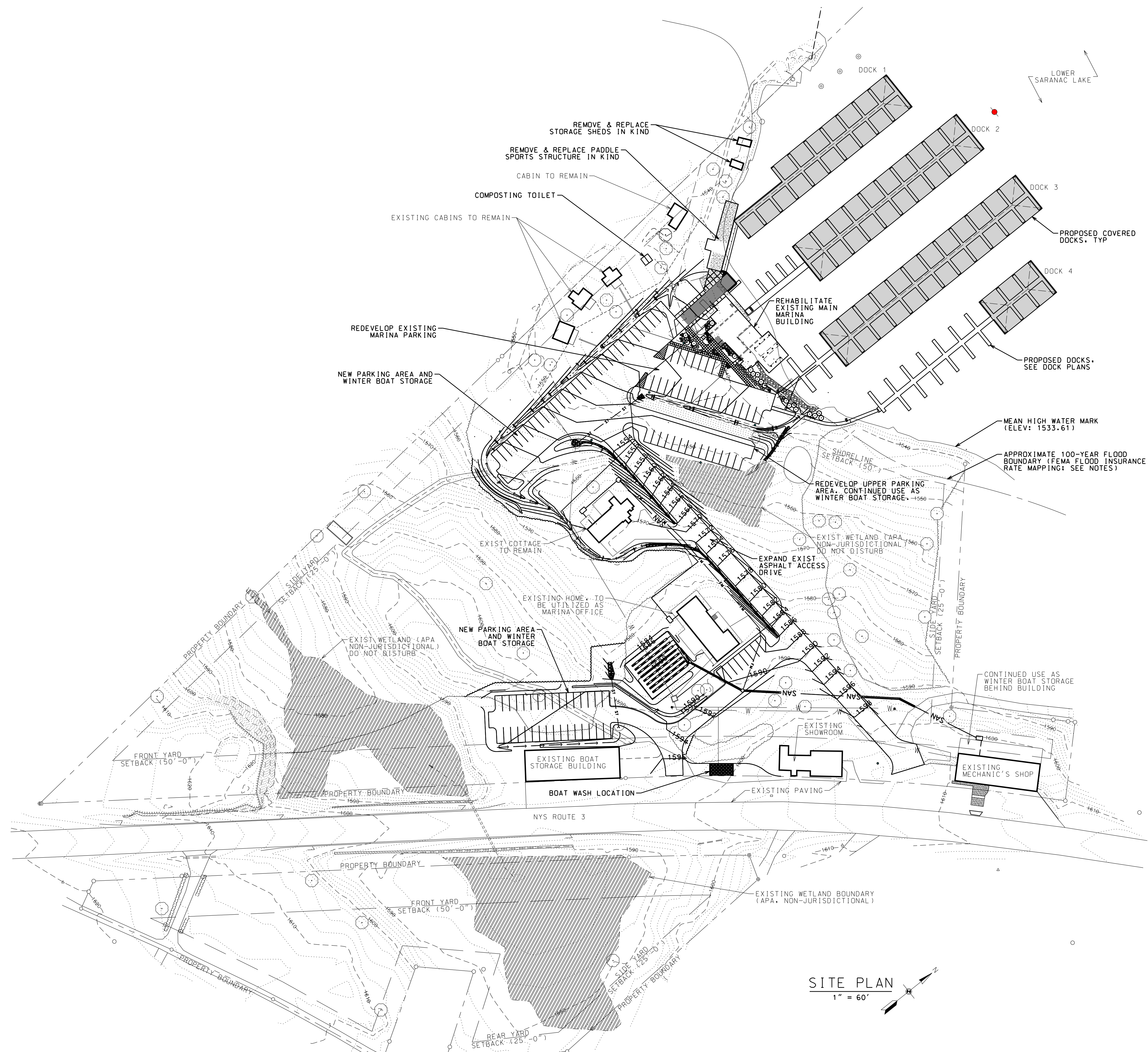
4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
06-04-20	APA SUPPLEMENT	A
07-16-20	OWNER CHANGES	B
09-21-20	LITTORAL RIGHTS	C
03-30-23	OWNER CHANGES	D

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
**MAIN MARINA
 OVERALL SITE
 PLAN**

SHEET
C10



LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- SETBACK
- MEAN HIGH WATER MARK
- 100-YEAR FLOOD BOUNDARY
- PLANTING AREA
- WETLAND
- COVERED PORTION OF DOCKS

- NOTES:**
1. APA LAND USE CLASSIFICATION: HAMLET
 2. WETLANDS DELINEATED SUMMER OF 2014.
 3. FLOOD BOUNDARY IS FROM BEST-FIT FEMA PANELS. THERE IS NO FEMA DESIGNATED FLOODWAY FOR LOWER SARANAC LAKE.

SITE PLAN
 1" = 60'

PLANT SCHEDULE

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
DECIDUOUS SHADE TREES				
AR		Acer rubrum	Red Maple	2.5"-3.5" cal.
AS		Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	2.5"-3.5" cal.
BA		Betula alleghaniensis	Yellow Birch	2.5"-3.5" cal.
BN		Betula nigra 'Heritage'	Heritage River Birch	2.5"-3.5" cal.
BP		Betula papyrifera	Paper Birch	14"-20" ht.
CB		Carpinus caroliniana	American Hornbeam	2.5"-3.5" cal.
QB		Quercus rubra	Northern Red Oak	2.5"-3.5" cal.
ORNAMENTAL TREES				
AM		Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2"-2.5" cal.
AMA		Amelanchier arborea	Downy Serviceberry	2"-2.5" cal.
AG		Amelanchier canadensis	Shadblow serviceberry	2"-2.5" cal.
CV		Crataegus viridis 'Winter King'	Green Hawthorn	2"-2.5" cal.
MA		Malus 'Adirondack'	Adirondack Crabapple	2"-2.5" cal.
MD		Malus 'Dolgo'	Dolgo Crabapple	2"-2.5" cal.
MSS		Malus 'Snowdrift'	Snowdrift Crabapple	2"-2.5" cal.
EVERGREEN TREES				
AB		Abies balsamea	Balsam Fir	6"-12" ht.
PG		Picea glauca	White Spruce	6"-12" ht.
PP		Picea pungens	Colorado Spruce	6"-12" ht.
PS		Pinus strobus	Eastern White Pine	6"-12" ht.
JV		Juniperus virginiana	Eastern Red Cedar	6"-8" ht.
TC		Tsuga canadensis	Canadian Hemlock	6"-12" ht.
SHRUBS				
AA		Aronia arbutifolia	Red Chokeberry	2'-3' ht.
CA		Clethra alnifolia 'Hummingbird'	Summersweet	30'-36" ht.
CB		Cornus alba 'Bohata'	Ivory Halo Dogwood	30'-36" ht.
CAL		Cornus alternifolia	Pagoda Dogwood	18"-24" ht.
CS1		Cornus sericea	Redosier Dogwood	18"-24" ht.
CS2		Cornus sericea 'Farrow'	Redosier Dogwood	2'-3' ht.
CP		Comptonia peregrina	Sweetfern	12"-15" ht.
HP		Hypericum prolificum	St. John's Wort	18"-24" ht.
HV		Hamamelis virginiana	Common Witchhazel	2'-3' ht.
IG		Ilex glabra 'Shamrock'	Compact Inkberry	24"-30" ht.
IVR		Ilex verticillata 'Red Sprite'	Common Winterberry 'Red Sprite'	2'-3' ht.
IVM		Ilex verticillata 'Jim Dandy'	Common Winterberry 'Jim Dandy'	2'-3' ht.
JH		Juniperus horizontalis	Creeping Juniper	15"-18" spr.
KL		Kalmia latifolia	Mountain Laurel	18"-24" ht.
MP		Myrica pennsylvanica	Northern Bayberry	24"-36" ht.
RV		Rhododendron viscosum	Swamp Azalea	30'-36" ht.
TO		Tuja occidentalis 'Smaragd'	Emerald Arborvitae	5'-6" ht.
VC		Vaccinium corymbosum	Highbush Blueberry	2'-3' ht.
VD		Viburnum dentatum	Arrowwood Viburnum	2'-3' ht.
VT		Viburnum trilobum	American Cranberrybush	18"-24" ht.
GROUNDCOVERS / PERENNIALS / GRASSES / FERNS				
AN		Aster novae-angliae	New England Aster	2 gal.
AT		Asclepias tuberosa	Butterfly Weed	2 gal.
EP		Echinacea purpurea	Purple Coneflower	2 gal.
GP		Gaultheria procumbens	Wintergreen	1 gal.
IV		Iris versicolor	Blue Flag Iris	1 gal.
LC		Lobelia cardinalis	Cardinal Flower	1 gal.
MD		Monarda didyma	Beebalm	2 gal.
OC		Osmunda cinnamomea	Cinnamon Fern	1 gal.
OP		Dennstaedtia punctilobula	Hay Scented Fern	1 gal.
OR		Osmunda regalis	Royal Fern	1 gal.
PAC		Polystichum acrostichoides	Christmas Fern	1 gal.
PV		Panicum virgatum	Switch Grass	2 gal.
RH		Rudbeckia 'Hirta'	Black-Eyed Susan	2 gal.
TC		Tiarella cordifolia	Foam Flower	1 gal.
VA		Vaccinium angustifolium	Lowbush Blueberry	1 gal.

PLANTING NOTES

1. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMAL GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. ALL NEW MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY UNLESS APPROVED OTHERWISE BY OWNER'S REPRESENTATIVE.
2. PLANT SCHEDULE REPRESENTS A LIST OF POTENTIAL SPECIES TO BE UTILIZED DURING PROJECT DEVELOPMENT. DETAILED PLANTING PLANS WILL BE DEVELOPED DURING CONSTRUCTION DOCUMENT PHASE.
3. ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN UNLESS OTHERWISE NOTED ON PLANT LIST.
4. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, SIZE, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
5. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE.
6. SEEDED LAWN TO BE PLANTED TO LIMITS OF GRADING IN ALL AREAS.
7. ALL DISTURBED AREAS NOT SCHEDULED FOR PROPOSED WORK SHALL RECEIVE FOUR INCHES (4") OF SUITABLE ON-SITE OR IMPORTED TOPSOIL AND LAWN SEED MIX.
8. SEED MIX SHALL BE 'CONSERVATION MIX' OR 'SOLAR FARM SEED MIX' ERNST SEEDS, OR A BLEND AS FOLLOWS:
 - BOREAL CREEPING RED FESCUE 45%
 - PERENNIAL RYE GRASS 35%
 - KENTUCKY BLUE GRASS 20%



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LS MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
07-16-20	OWNER CHANGES	A
03-30-23	OWNER CHANGES	B

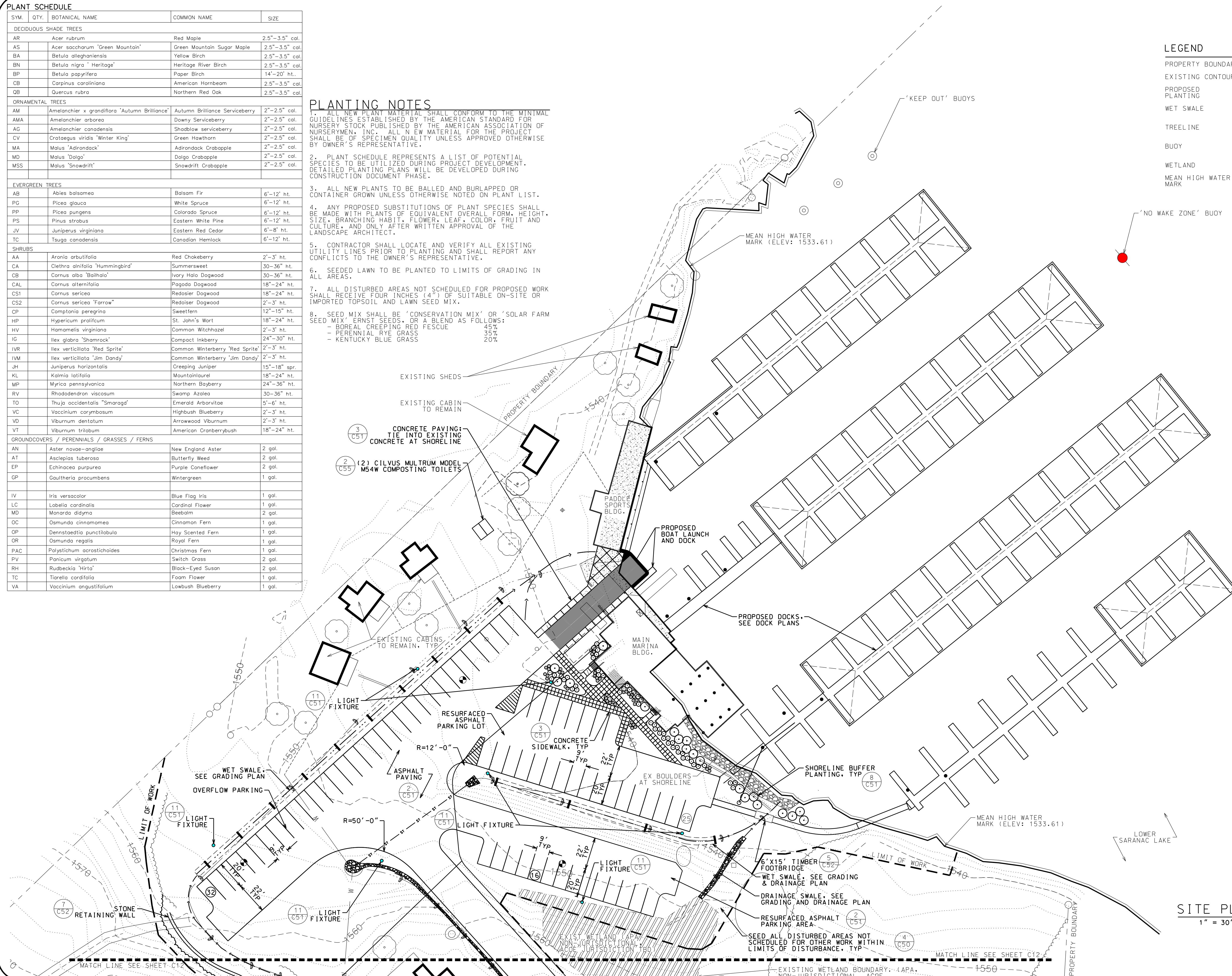
DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
MAIN MARINA UPPER SITE PLAN

SHEET
C11

LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- PROPOSED PLANTING
- WET SWALE
- TREELINE
- BUOY
- WETLAND
- MEAN HIGH WATER MARK



SITE PLAN
 1" = 30'



WARNING: IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

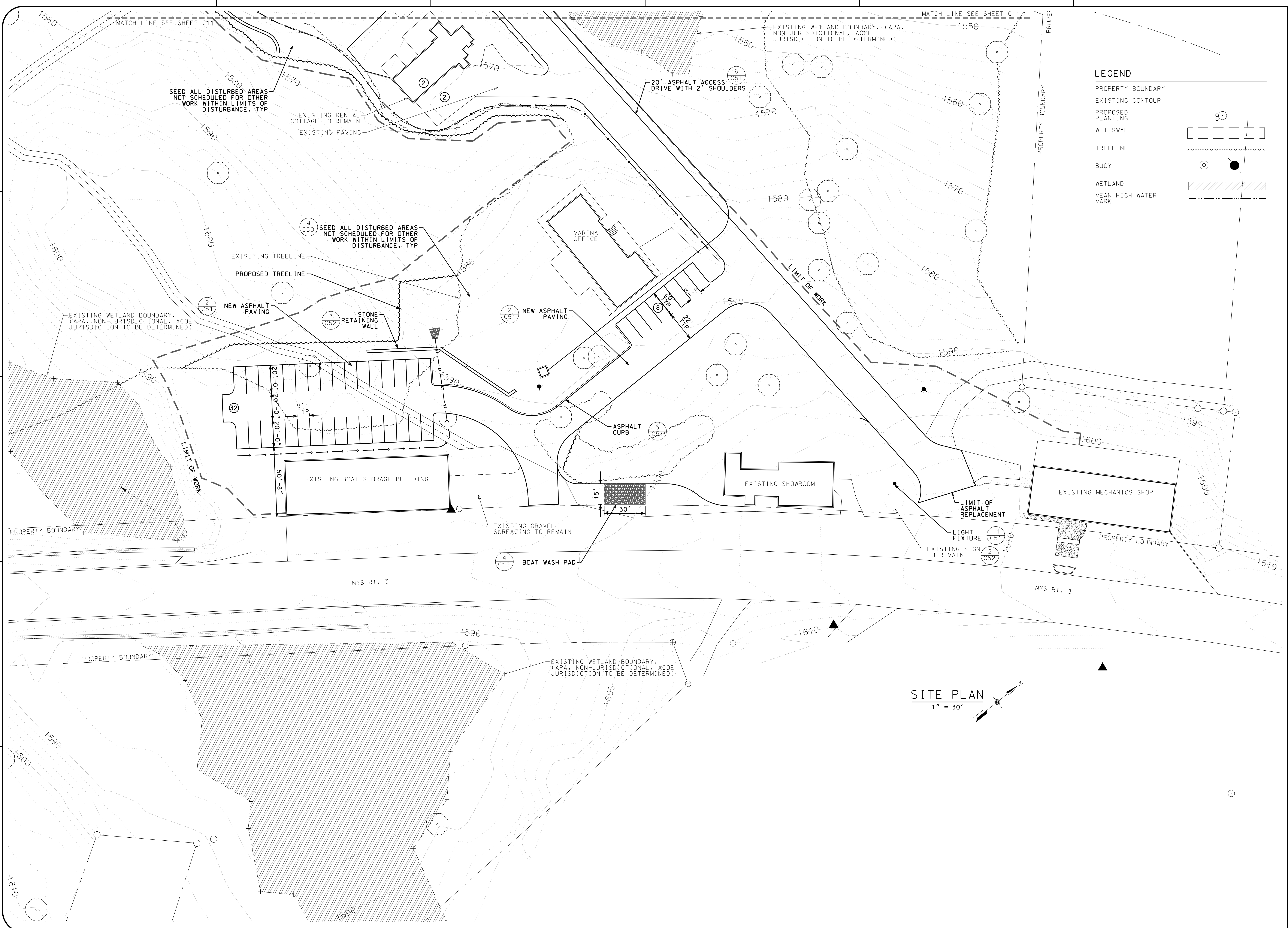
**LS MARINA, LLC
SARANAC LAKE MARINA**

PROJECT NAME
 LOCATION
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

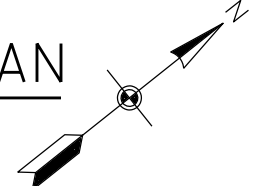
**MAIN MARINA
LOWER SITE PLAN**



LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- PROPOSED PLANTING
- WET SWALE
- TREELINE
- BUDY
- WETLAND
- MEAN HIGH WATER MARK

SITE PLAN
 1" = 30'



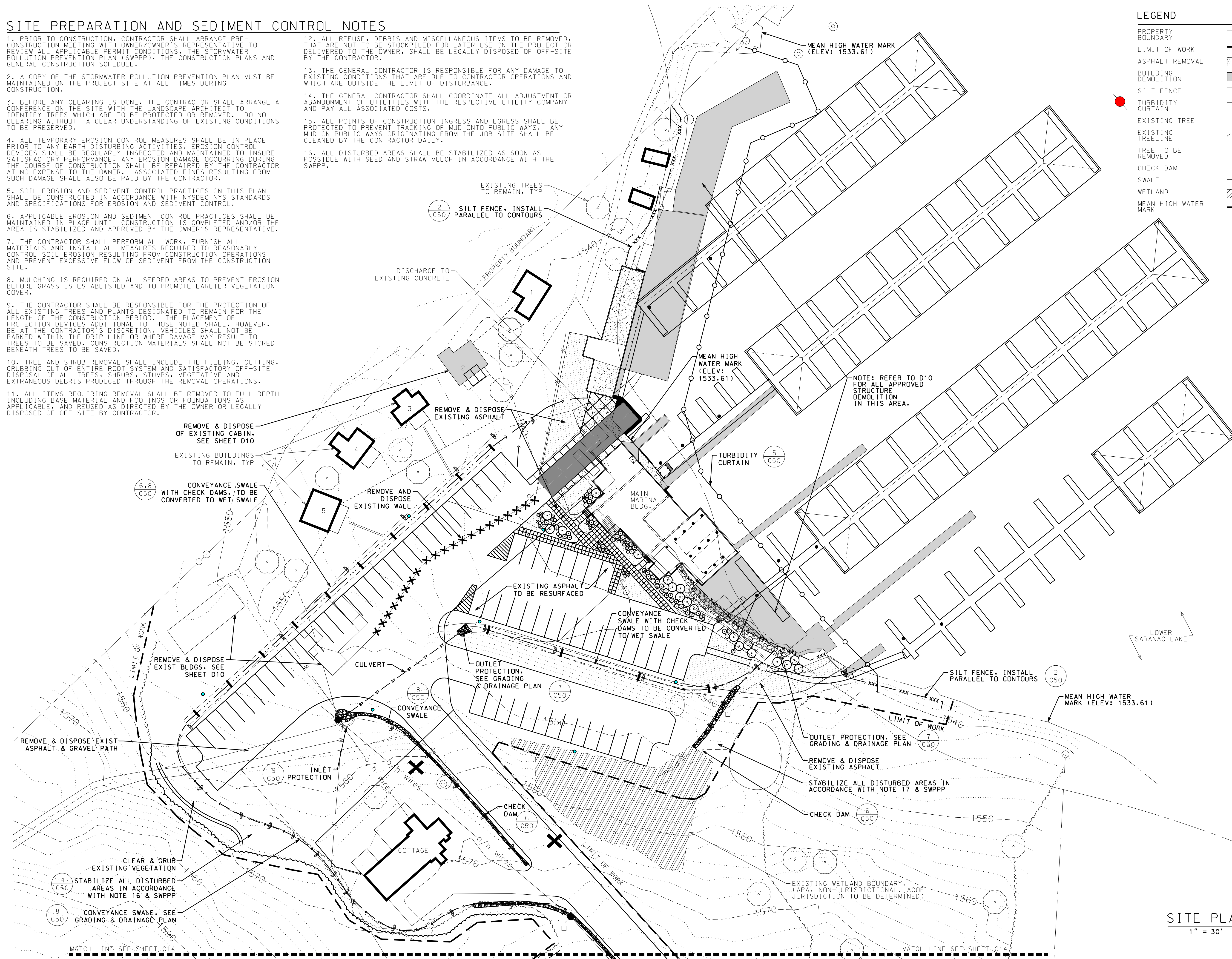
SITE PREPARATION AND SEDIMENT CONTROL NOTES

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ARRANGE PRE-CONSTRUCTION MEETING WITH OWNER/OWNER'S REPRESENTATIVE TO REVIEW ALL APPLICABLE PERMIT CONDITIONS, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), THE CONSTRUCTION PLANS AND GENERAL CONSTRUCTION SCHEDULE.
2. A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN MUST BE MAINTAINED ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
3. BEFORE ANY CLEARING IS DONE, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE LANDSCAPE ARCHITECT TO IDENTIFY TREES WHICH ARE TO BE PROTECTED OR REMOVED. DO NO CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES. EROSION CONTROL DEVICES SHALL BE REGULARLY INSPECTED AND MAINTAINED TO INSURE SATISFACTORY PERFORMANCE. ANY EROSION DAMAGE OCCURRING DURING THE COURSE OF CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. ASSOCIATED FINES RESULTING FROM SUCH DAMAGE SHALL ALSO BE PAID BY THE CONTRACTOR.
5. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH NYSDEC NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
6. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
8. MULCHING IS REQUIRED ON ALL SEEDED AREAS TO PREVENT EROSION BEFORE GRASS IS ESTABLISHED AND TO PROMOTE EARLIER VEGETATION COVER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND PLANTS DESIGNATED TO REMAIN FOR THE LENGTH OF THE CONSTRUCTION PERIOD. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION. VEHICLES SHALL NOT BE PARKED WITHIN THE DRIP LINE OR WHERE DAMAGE MAY RESULT TO TREES TO BE SAVED. CONSTRUCTION MATERIALS SHALL NOT BE STORED BENEATH TREES TO BE SAVED.
10. TREE AND SHRUB REMOVAL SHALL INCLUDE THE FILLING, CUTTING, GRUBBING OUT OF ENTIRE ROOT SYSTEM AND SATISFACTORY OFF-SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS, VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED THROUGH THE REMOVAL OPERATIONS.
11. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING BASE MATERIAL AND FOOTINGS OR FOUNDATIONS, AS APPLICABLE, AND REUSED AS DIRECTED BY THE OWNER OR LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.

12. ALL REFUSE, DEBRIS AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE OWNER, SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
13. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE OUTSIDE THE LIMIT OF DISTURBANCE.
14. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY AND PAY ALL ASSOCIATED COSTS.
15. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. ANY MUD ON PUBLIC WAYS ORIGINATING FROM THE JOB SITE SHALL BE CLEANED BY THE CONTRACTOR DAILY.
16. ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE WITH SEED AND STRAW MULCH IN ACCORDANCE WITH THE SWPPP.

LEGEND

PROPERTY BOUNDARY	---
LIMIT OF WORK	- - - - -
ASPHALT REMOVAL	▨
BUILDING DEMOLITION	▩
SILT FENCE	xxx xxx xxx
TURBIDITY CURTAIN	○
EXISTING TREE	○
EXISTING TREELINE	~
TREE TO BE REMOVED	⊗
CHECK DAM	⊕
SWALE	---
WETLAND	▨
MEAN HIGH WATER MARK	⊙



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LS MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME: 4901 NYS ROUTE 3 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
07-16-20	OWNER CHANGES	A
03-30-23	OWNER CHANGES	B

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"
 TITLE

MAIN MARINA UPPER SITE PREP, EROSION & SEDIMENT CONTROL PLAN

SITE PLAN
 1" = 30'



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LS MARINA, LLC
 SARANAC LAKE MARINA

PROJECT NAME

LOCATION
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

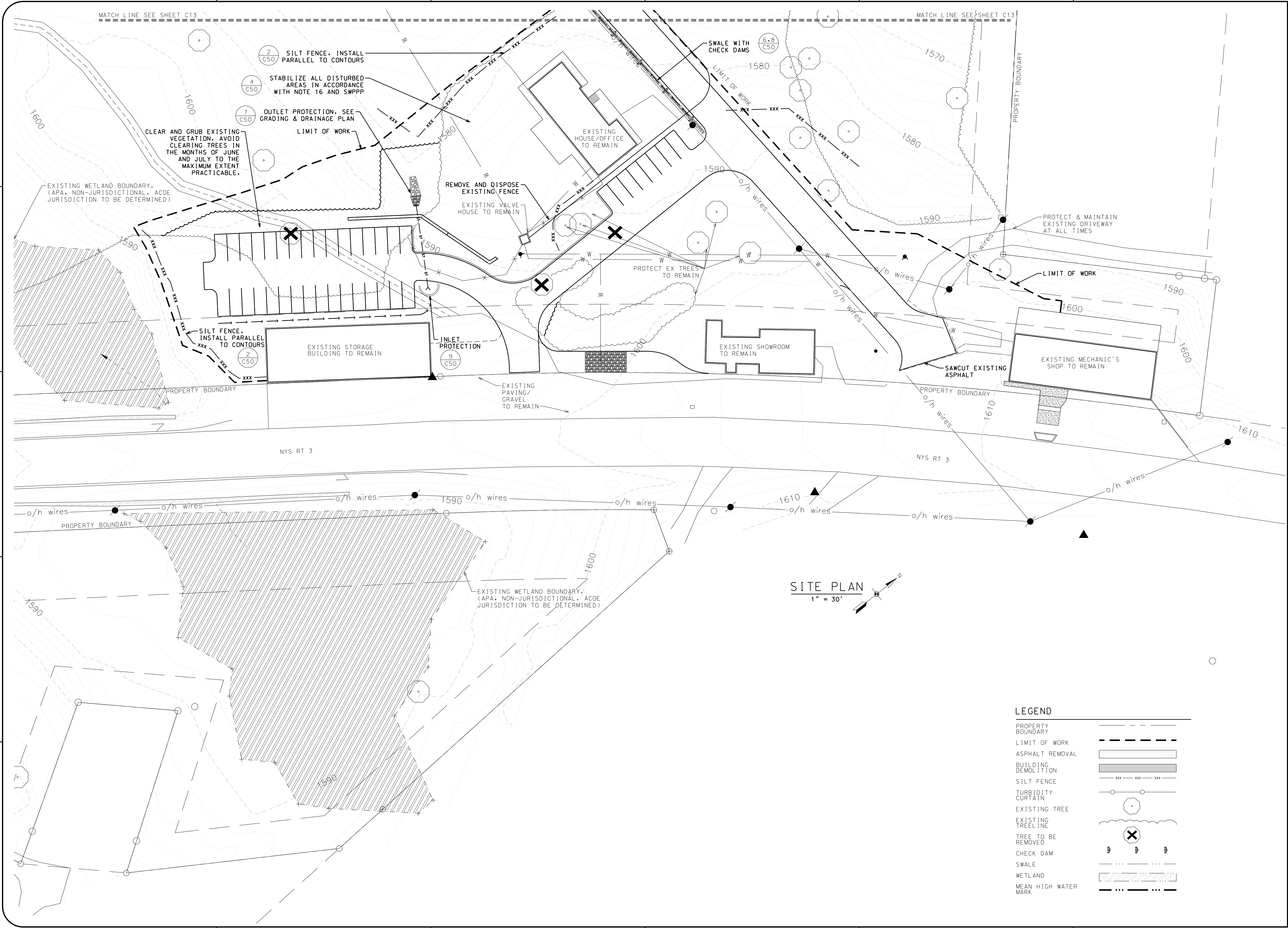
DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
MAIN MARINA LOWER SITE PREP, EROSION & SEDIMENT CONTROL PLAN

SHEET

C14



SITE PLAN
 1" = 30'

LEGEND

PROPERTY BOUNDARY	- - - - -
LIMIT OF WORK	- - - - -
ASPHALT REMOVAL	[Hatched pattern]
BUILDING DEMOLITION	[Solid grey fill]
SILT FENCE	xxx xxx xxx
TURBIDITY CURTAIN	○ ○ ○ ○ ○
EXISTING TREE	○ (with center dot)
TREE TO BE REMOVED	⊗
CHECK DAM	⊓ ⊓ ⊓
SWALE	- - - - -
WETLAND	[Diagonal hatching]
MEAN HIGH WATER MARK	⋯ ⋯ ⋯

GRADING NOTES

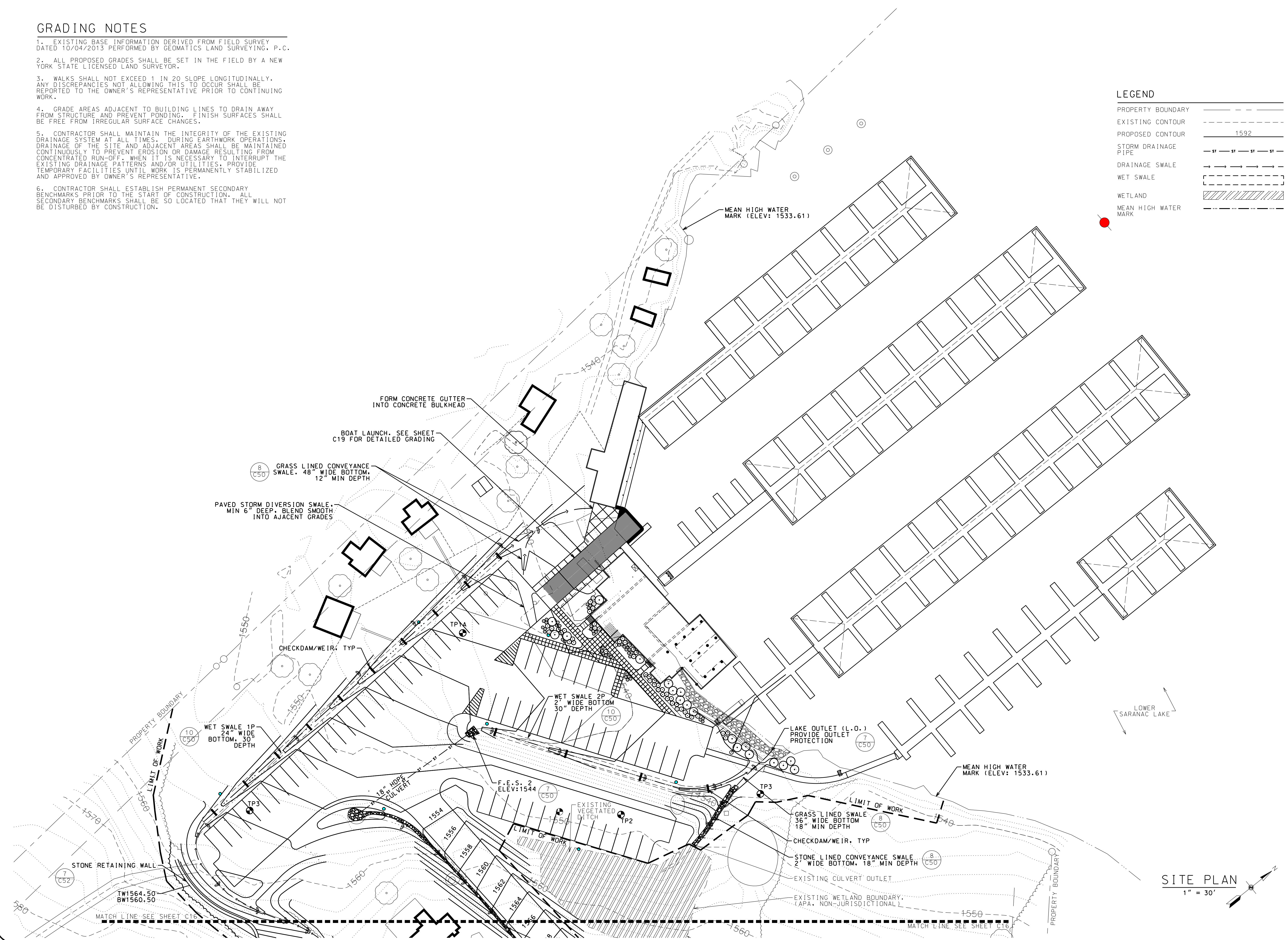
- EXISTING BASE INFORMATION DERIVED FROM FIELD SURVEY DATED 10/04/2013 PERFORMED BY GEOMATICS LAND SURVEYING, P.C.
- ALL PROPOSED GRADES SHALL BE SET IN THE FIELD BY A NEW YORK STATE LICENSED LAND SURVEYOR.
- WALKS SHALL NOT EXCEED 1 IN 20 SLOPE LONGITUDINALLY. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- GRADE AREAS ADJACENT TO BUILDING LINES TO DRAIN AWAY FROM STRUCTURE AND PREVENT PONDING. FINISH SURFACES SHALL BE FREE FROM IRREGULAR SURFACE CHANGES.
- CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING DRAINAGE SYSTEM AT ALL TIMES. DURING EARTHWORK OPERATIONS, DRAINAGE OF THE SITE AND ADJACENT AREAS SHALL BE MAINTAINED CONTINUOUSLY TO PREVENT EROSION OR DAMAGE RESULTING FROM CONCENTRATED RUN-OFF. WHEN IT IS NECESSARY TO INTERRUPT THE EXISTING DRAINAGE PATTERNS AND/OR UTILITIES, PROVIDE TEMPORARY FACILITIES UNTIL WORK IS PERMANENTLY STABILIZED AND APPROVED BY OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL ESTABLISH PERMANENT SECONDARY BENCHMARKS PRIOR TO THE START OF CONSTRUCTION. ALL SECONDARY BENCHMARKS SHALL BE SO LOCATED THAT THEY WILL NOT BE DISTURBED BY CONSTRUCTION.



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LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR 1592
- STORM DRAINAGE PIPE
- DRAINAGE SWALE
- WET SWALE
- WETLAND
- MEAN HIGH WATER MARK



L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME

LOCATION
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
07-16-20	OWNER CHANGES	A
08-12-20	DEC SUPPLEMENT	B
03-30-23	OWNER CHANGES	C

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
**MAIN MARINA
 UPPER GRADING &
 DRAINAGE PLAN**

SHEET
C15



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LS MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME
 LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

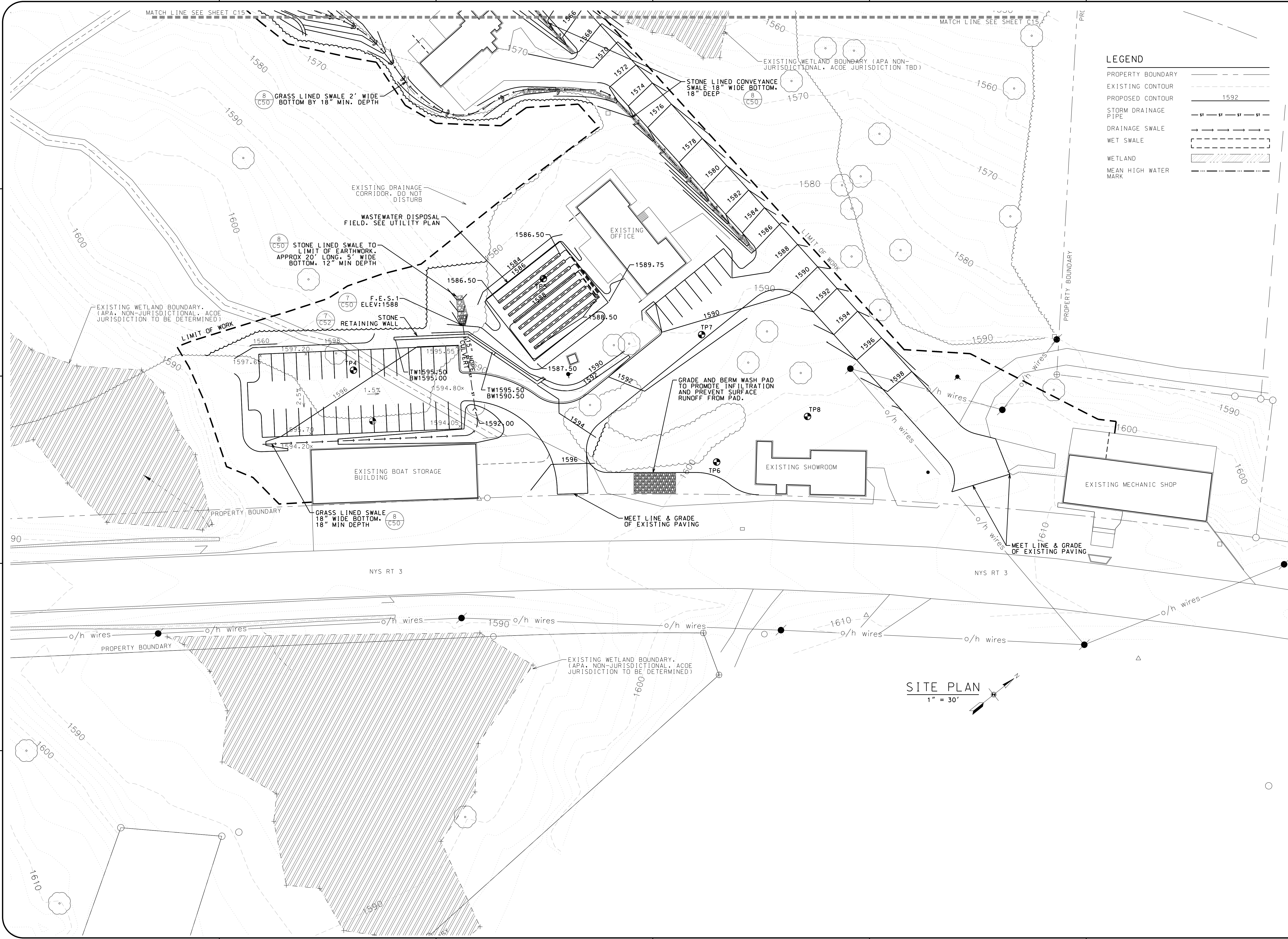
DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
MAIN MARINA
LOWER GRADING &
DRAINAGE PLAN

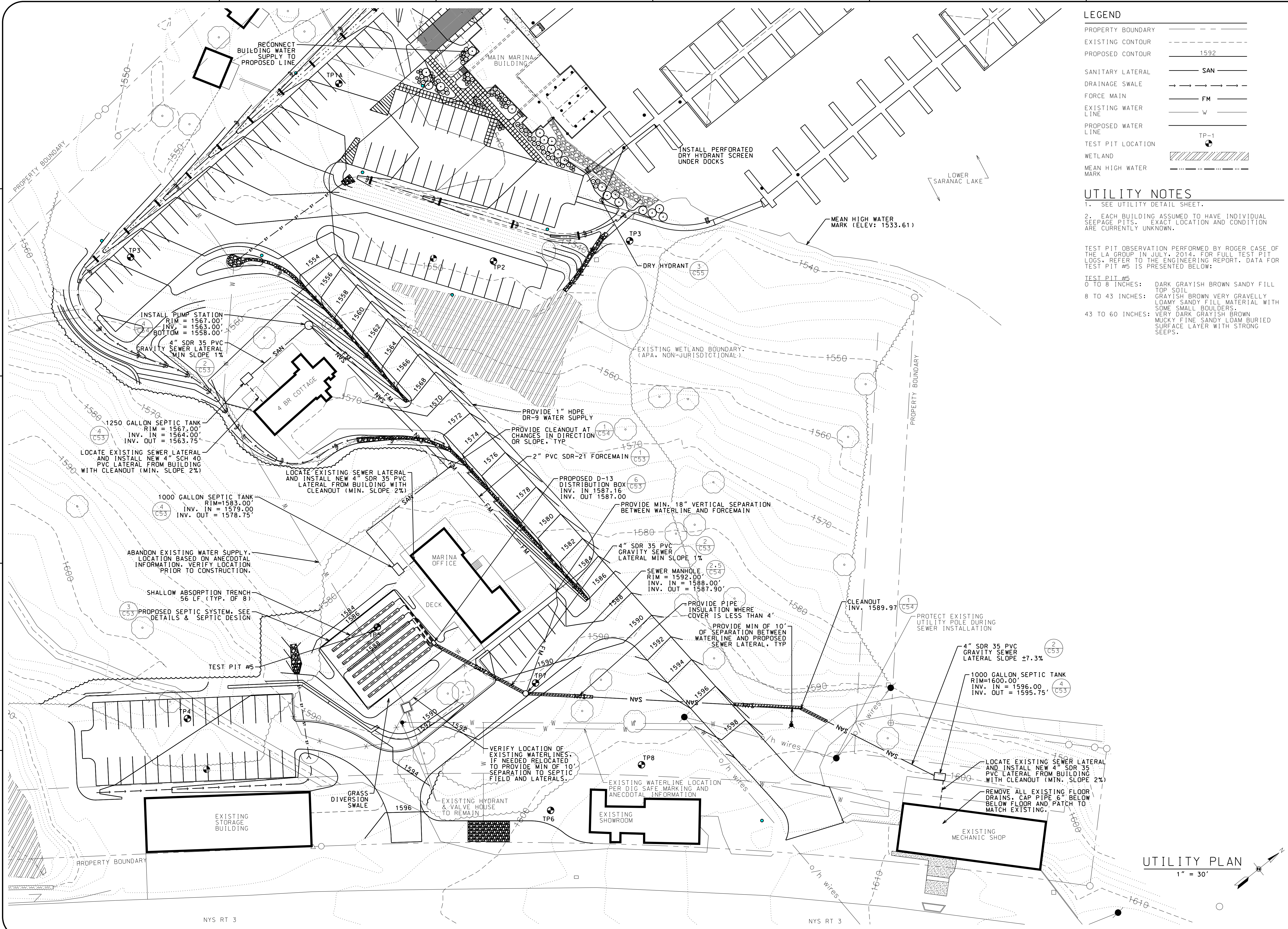
SHEET
C16

LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR 1592
- STORM DRAINAGE PIPE
- DRAINAGE SWALE
- WET SWALE
- WETLAND
- MEAN HIGH WATER MARK



SITE PLAN
 1" = 30'



LEGEND

PROPERTY BOUNDARY	---
EXISTING CONTOUR	- - - -
PROPOSED CONTOUR	1592
SANITARY LATERAL	SAN
DRAINAGE SWALE	→ → →
FORCE MAIN	FM
EXISTING WATER LINE	W
PROPOSED WATER LINE	---
TEST PIT LOCATION	TP-1
WETLAND	▨ ▨ ▨ ▨ ▨
MEAN HIGH WATER MARK	---

UTILITY NOTES

- SEE UTILITY DETAIL SHEET.
- EACH BUILDING ASSUMED TO HAVE INDIVIDUAL SEEPAGE PITS. EXACT LOCATION AND CONDITION ARE CURRENTLY UNKNOWN.

TEST PIT OBSERVATION PERFORMED BY ROGER CASE OF THE LA GROUP IN JULY, 2014. FOR FULL TEST PIT LOGS, REFER TO THE ENGINEERING REPORT. DATA FOR TEST PIT #5 IS PRESENTED BELOW:

TEST PIT #5

- 0 TO 8 INCHES: DARK GRAYISH BROWN SANDY FILL TOP SOIL
- 8 TO 43 INCHES: GRAYISH BROWN VERY GRAVELLY LOAMY SANDY FILL MATERIAL WITH SOME SMALL BOULDERS.
- 43 TO 60 INCHES: VERY DARK GRAYISH BROWN MUCKY FINE SANDY LOAM BURIED SURFACE LAYER WITH STRONG SEEPS.

North Woods Engineering P.L.C.
 348 Lake Street
 Saranac Lake, NY 12983
 (518) 891-4875
 www.north-woods-engineering.com



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LS MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME: 4901 NYS ROUTE 3 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
07-16-20	OWNER CHANGES	A
03-30-23	OWNER CHANGES	B

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

MAIN MARINA UTILITY PLAN

SHEET **C17**

UTILITY PLAN
 1" = 30'

NYS RT 3

NYS RT 3



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PROJECT NAME

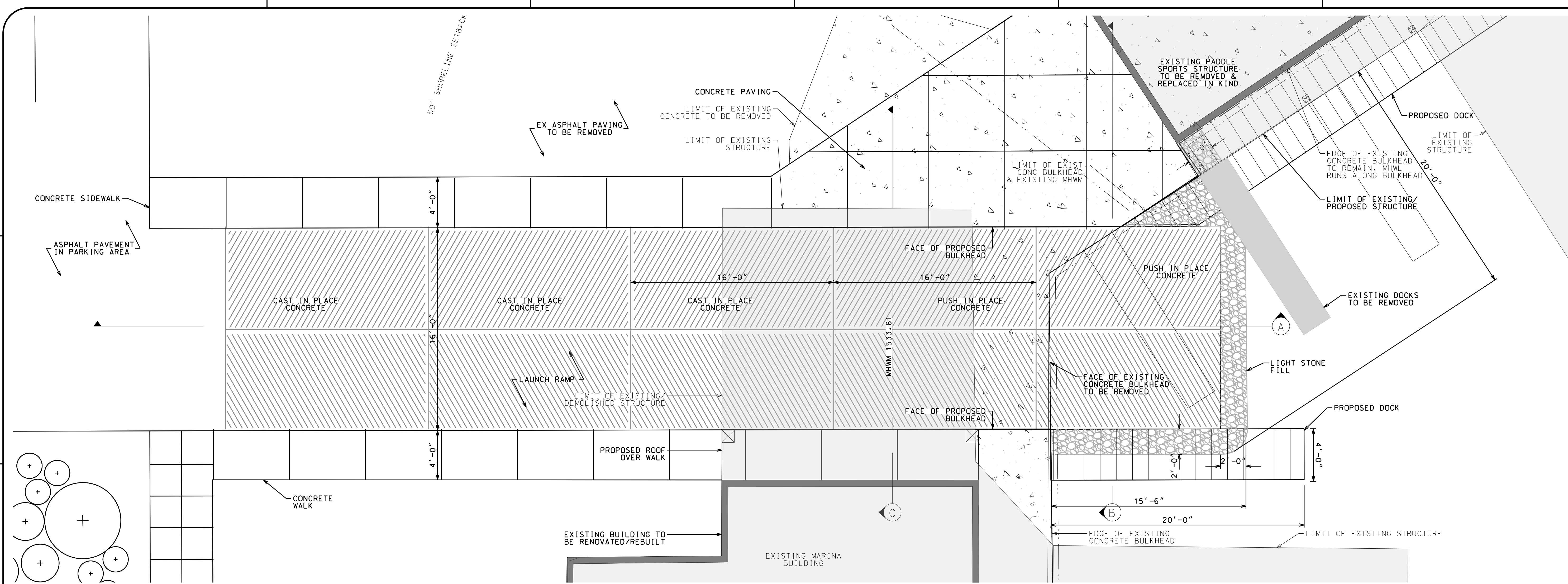
LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE ISSUED FOR REV
05-01-20 APA PERMITTING

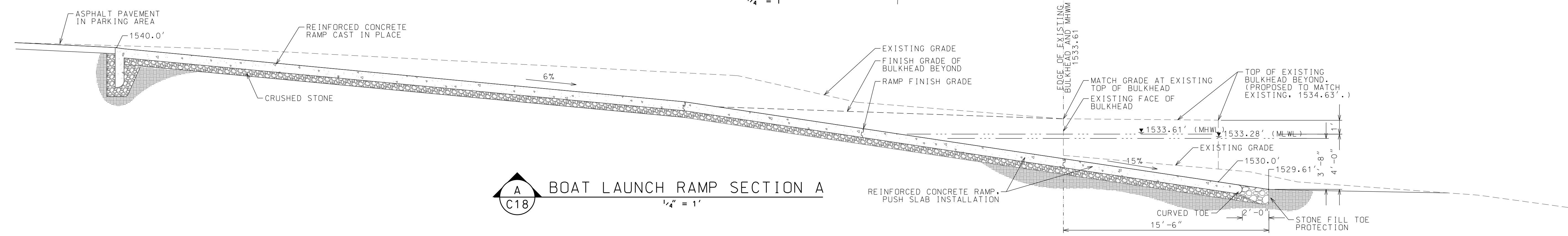
DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

TITLE
MAIN MARINA
BOAT LAUNCH PLAN

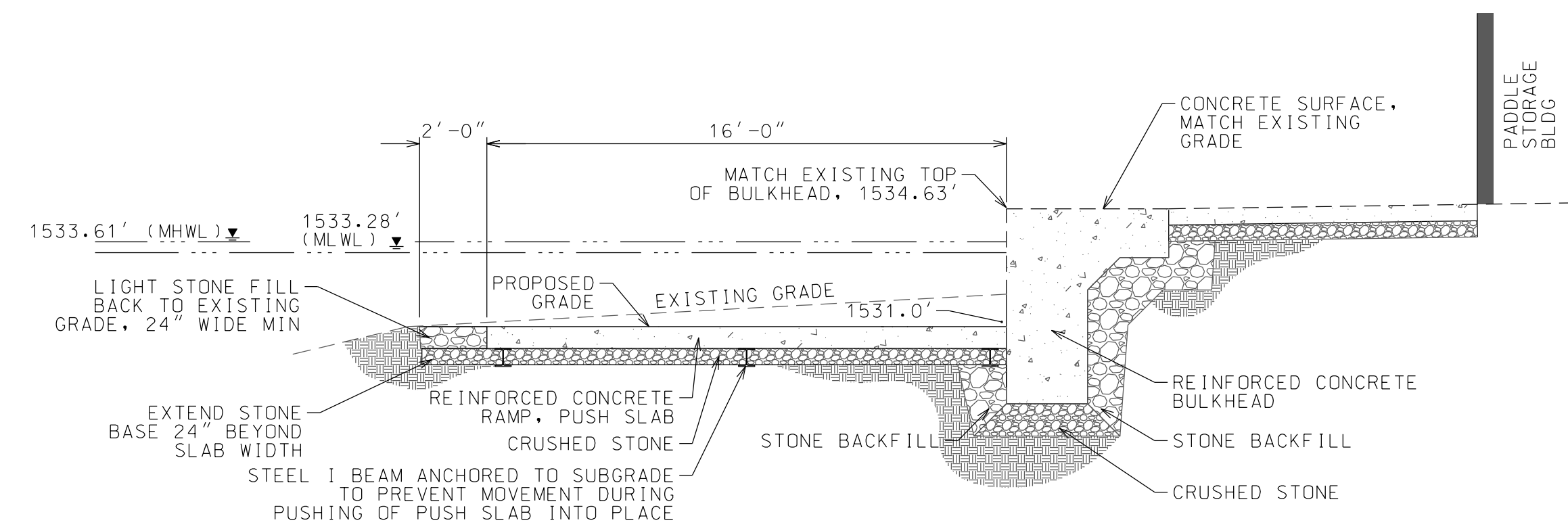
SHEET
C18



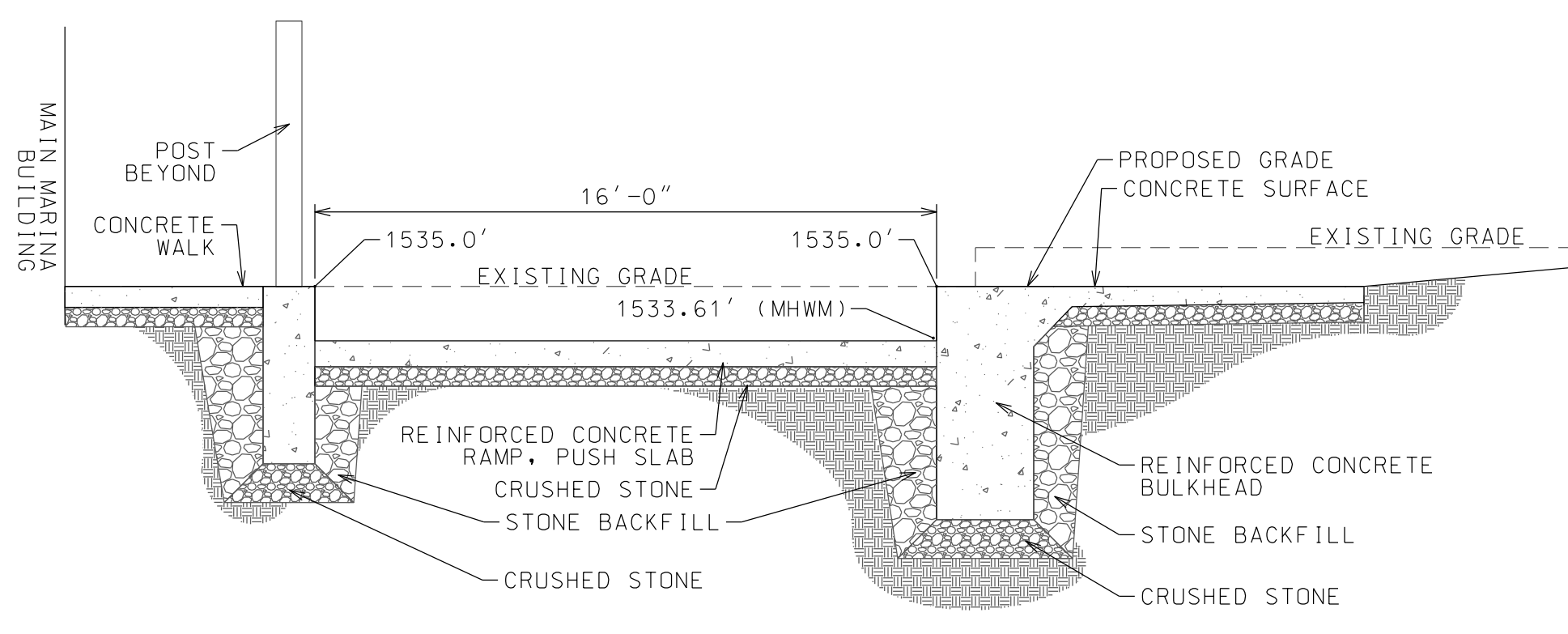
BOAT LAUNCH PLAN
1/4" = 1'



A BOAT LAUNCH RAMP SECTION A
1/4" = 1'



B BOAT LAUNCH RAMP SECTION B
1/4" = 1'



C BOAT LAUNCH RAMP SECTION C
1/4" = 1'



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L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME
LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
07-16-20	OWNER CHANGES	A
09-21-20	LITTORAL RIGHTS	B
03-30-23	OWNER CHANGES	C

DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

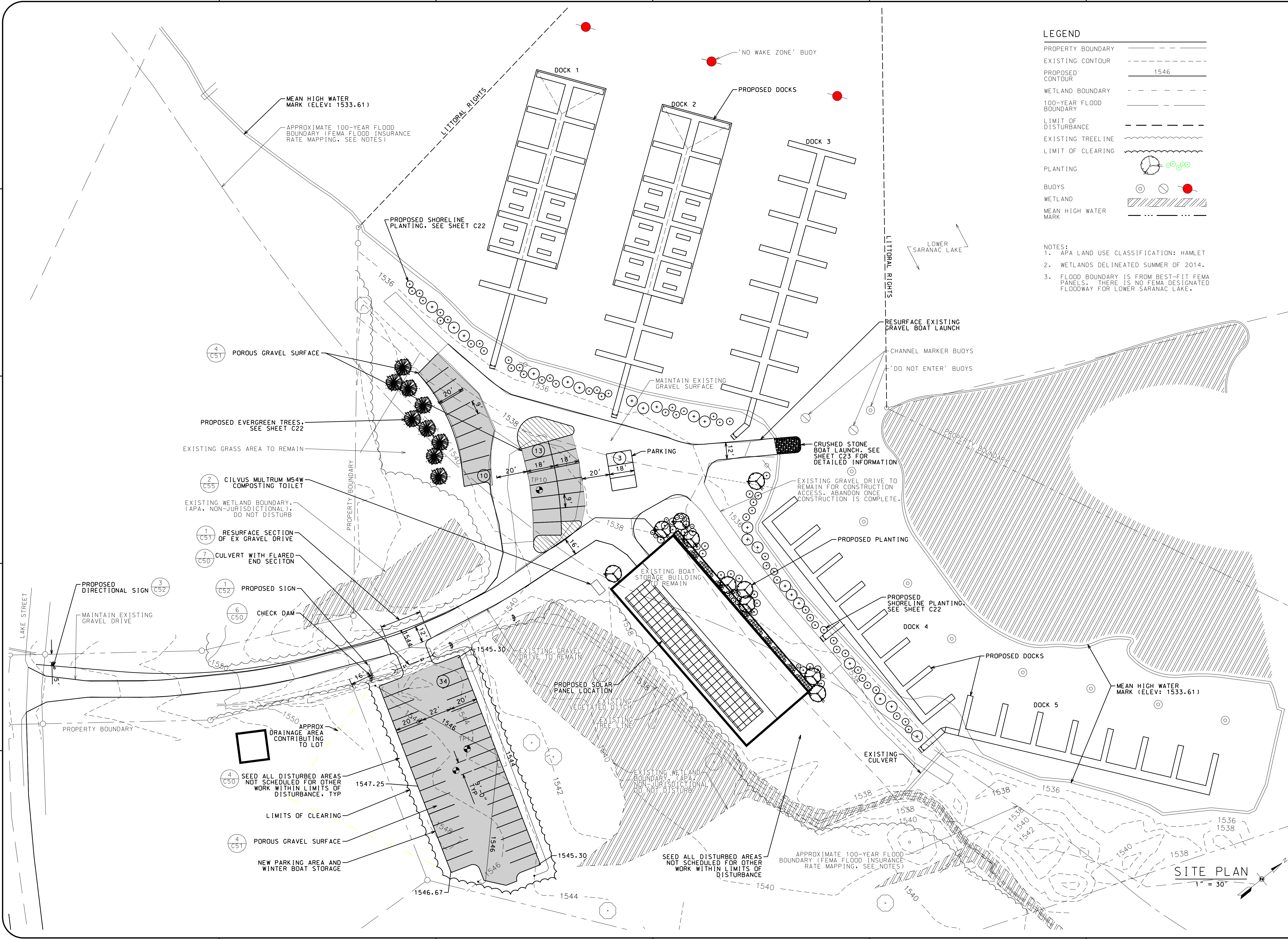
TITLE
ANNEX MARINA
OVERALL SITE
PLAN

SHEET
C20

LEGEND

PROPERTY BOUNDARY	---
EXISTING CONTOUR	-----
PROPOSED CONTOUR	----- 1546
WETLAND BOUNDARY	-----
100-YEAR FLOOD BOUNDARY	-----
LIMIT OF DISTURBANCE	-----
EXISTING TREELINE	~~~~~
LIMIT OF CLEARING	~~~~~
PLANTING	⊙ ⊙ ⊙ ⊙
BUOYS	⊙ ⊙ ⊙
WETLAND	▨ ▨ ▨ ▨
MEAN HIGH WATER MARK	-----

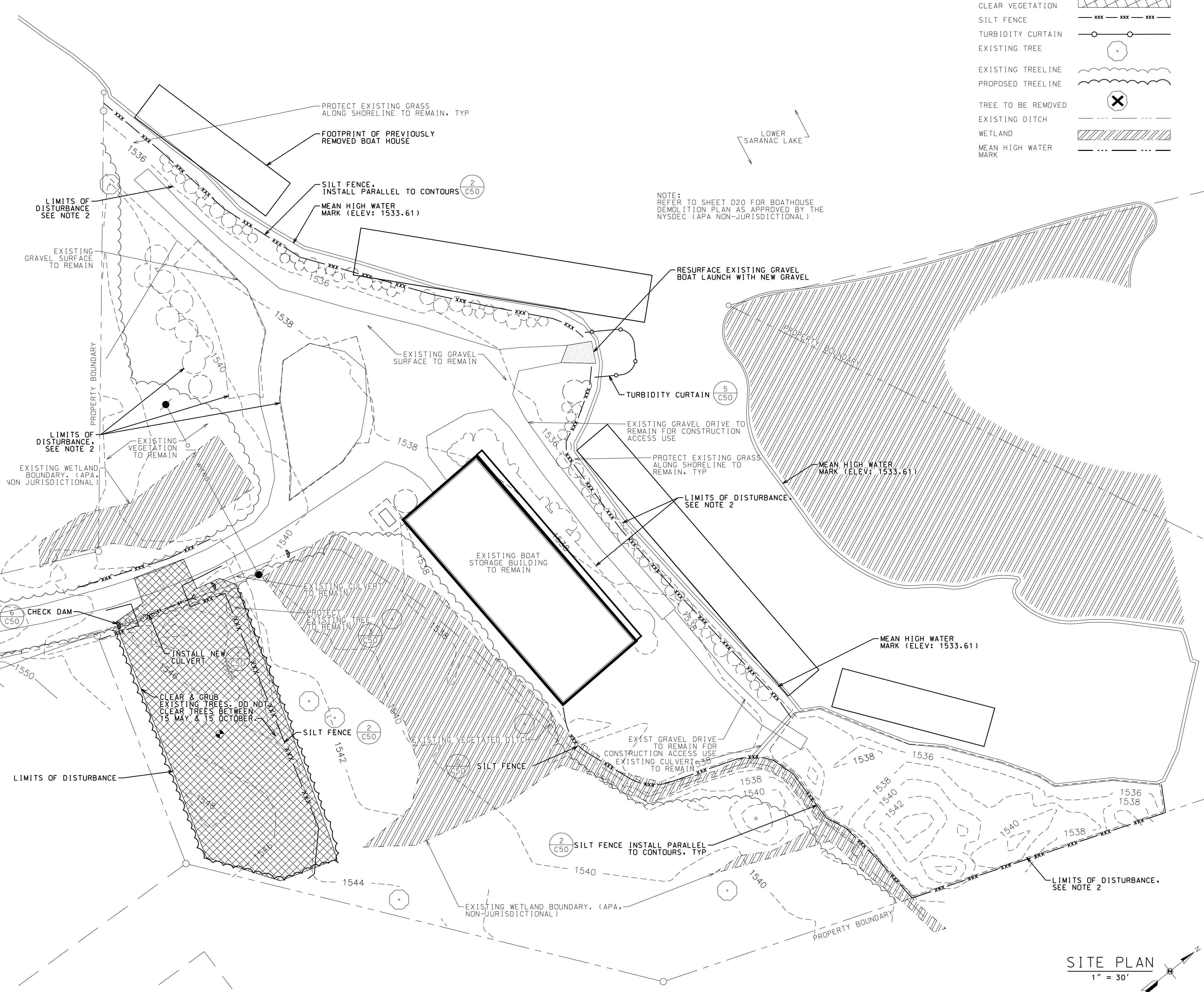
- NOTES:**
1. APA LAND USE CLASSIFICATION: HAMLET
 2. WETLANDS DELINEATED SUMMER OF 2014.
 3. FLOOD BOUNDARY IS FROM BEST-FIT FEMA PANELS. THERE IS NO FEMA DESIGNATED FLOODWAY FOR LOWER SARANAC LAKE.



SITE PLAN
1" = 30'

SITE PREPARATION AND EROSION CONTROL NOTES

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ARRANGE PRE-CONSTRUCTION MEETING WITH OWNER/OWNER'S REPRESENTATIVE TO REVIEW ALL APPLICABLE PERMIT CONDITIONS, THE CONSTRUCTION PLANS AND GENERAL CONSTRUCTION SCHEDULE.
- PROPOSED LIMITS OF DISTURBANCE ARE CLEARLY INDICATED ON THE PLANS AND SHALL BE STRICTLY ADHERED TO. IN NO CASE SHALL THE CONTRACTOR DISTURB MORE THAN 1 ACRE. EXCAVATION FOR ALL PLANT MATERIALS SHALL BE DONE BY HAND, AND LIMITED TO EXTENTS INDICATED ON PLANTING DETAILS. IN THE EVENT CONSTRUCTION ACTIVITIES RESULT IN MORE THAN 1 ACRE OF SOIL DISTURBANCE, THE CONTRACTOR MUST STOP WORK AND OBTAIN COVERAGE UNDER THE NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES. EROSION CONTROL DEVICES SHALL BE REGULARLY INSPECTED AND MAINTAINED TO INSURE SATISFACTORY PERFORMANCE. ANY EROSION DAMAGE OCCURRING DURING THE COURSE OF CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. ASSOCIATED FINES RESULTING FROM SUCH DAMAGE SHALL ALSO BE PAID BY THE CONTRACTOR.
- APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
- MULCHING IS REQUIRED ON ALL SEEDED AREAS TO PREVENT EROSION BEFORE GRASS IS ESTABLISHED TO PROMOTE EARLIER VEGETATION COVER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND PLANTS DESIGNATED TO REMAIN FOR THE LENGTH OF THE CONSTRUCTION PERIOD. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION. VEHICLES SHALL NOT BE PARKED WITHIN THE DRIP LINE OR WHERE DAMAGE MAY RESULT TO TREES TO BE SAVED. CONSTRUCTION MATERIALS SHALL NOT BE STORED BENEATH TREES TO BE SAVED.
- TREE AND SHRUB REMOVAL SHALL INCLUDE THE FILLING, CUTTING, GRUBBING OUT OF ENTIRE ROOT SYSTEM AND SATISFACTORY OFF-SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS, VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED THROUGH THE REMOVAL OPERATIONS.
- ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE, AND REUSED AS DIRECTED BY THE OWNER OR LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.
- ALL REFUSE, DEBRIS AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE OWNER, SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE OUTSIDE THE LIMIT OF DISTURBANCE.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY AND PAY ALL ASSOCIATED COSTS.
- ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. ANY MUD ON PUBLIC WAYS ORIGINATING FROM THE JOB SITE SHALL BE CLEANED BY THE CONTRACTOR DAILY.
- ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE WITH SEED AND STRAW MULCH. SEED MIX SHALL BE IN ACCORDANCE WITH PROJECT CONSTRUCTION DETAILS FOR SOIL STABILIZATION, AND STRAW MULCH SHALL BE FREE OF INVASIVE SPECIES AND APPLIED AT A RATE OF 2-3 BALES PER 1,000 SQUARE FEET.



NOTE: REFER TO SHEET D20 FOR BOATHOUSE DEMOLITION PLAN AS APPROVED BY THE NYSDEC (APA NON-JURISDICTIONAL)

LEGEND

PROPERTY BOUNDARY	---
LIMIT OF DISTURBANCE	--- --- ---
CLEAR VEGETATION	
SILT FENCE	xxx xxx xxx
TURBIDITY CURTAIN	o---o
EXISTING TREE	o
EXISTING TREELINE	~
PROPOSED TREELINE	~
TREE TO BE REMOVED	o
EXISTING DITCH	---
WETLAND	
MEAN HIGH WATER MARK	---

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PROJECT NAME
**LS MARINA, LLC
 SARANAC LAKE MARINA**

LOCATION
**4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK**

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
06-05-20	APA SUPPLEMENT	A
07-16-20	OWNER CHANGES	B
03-30-23	OWNER CHANGES	C
03-30-23	APA SUPPLEMENT	D

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
**ANNEX MARINA
 SITE PREP,
 EROSION &
 SEDIMENT
 CONTROL PLAN**

SHEET
C21

SITE PLAN
 1" = 30'



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PROJECT NAME
**LS MARINA, LLC
 SARANAC LAKE MARINA**

LOCATION
**4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK**

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
07-16-20	OWNER CHANGES	A
03-30-23	OWNER CHANGES	B

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"
 TITLE

**ANNEX MARINA
 PLANTING PLAN**

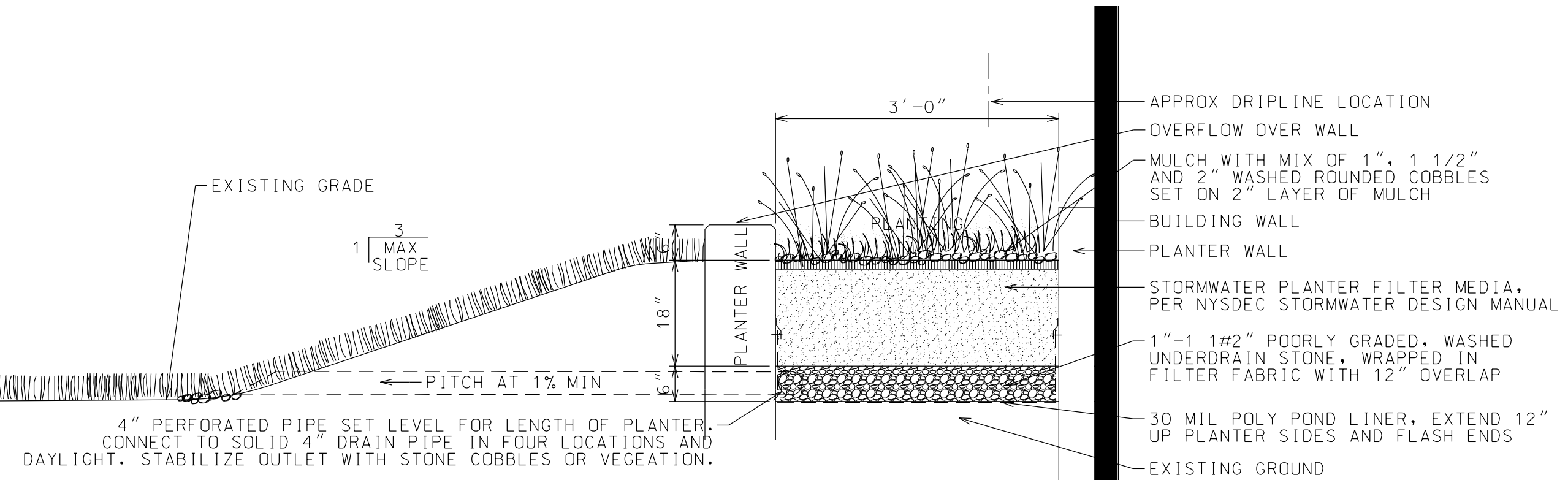
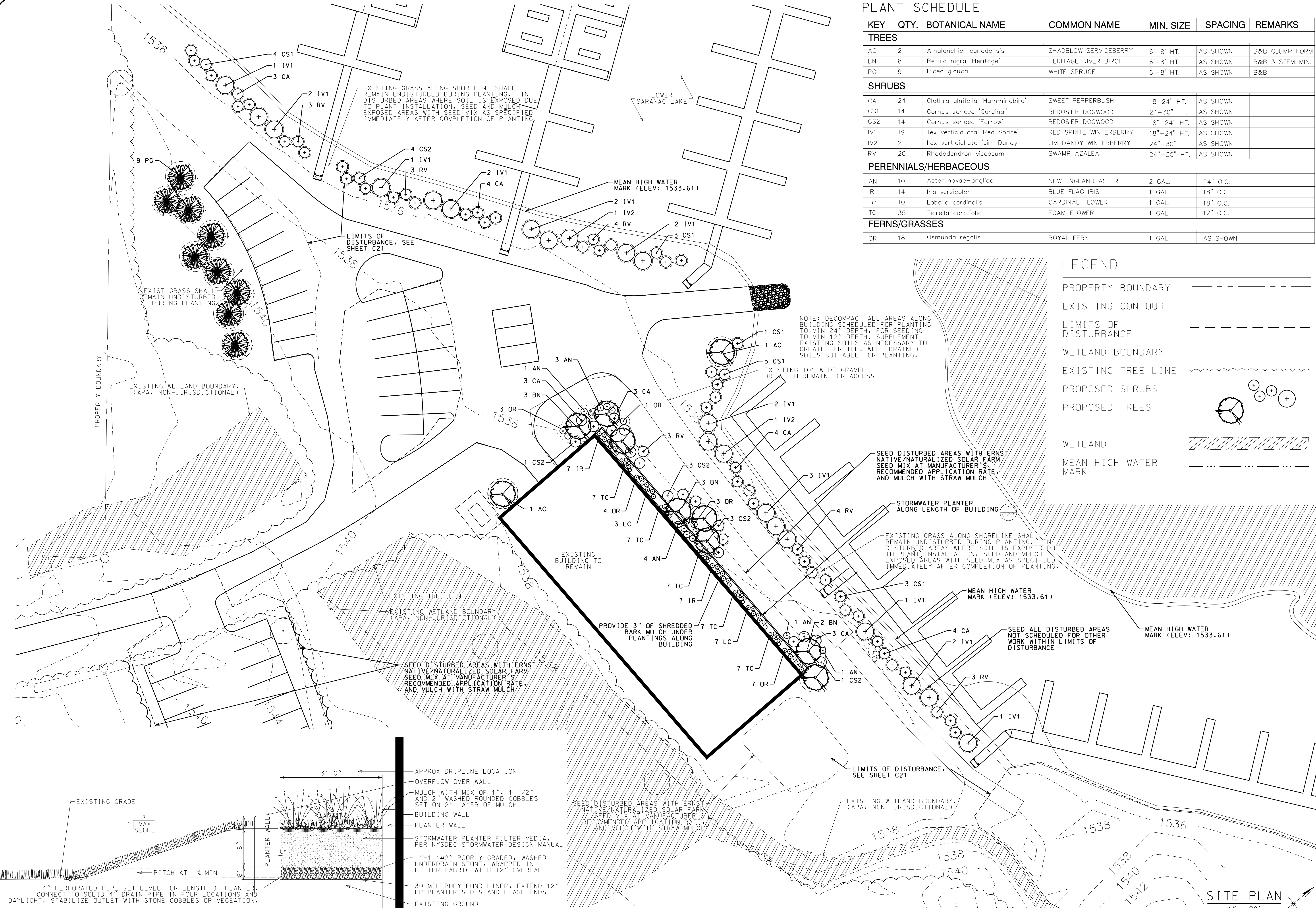
SHEET
C22

PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	MIN. SIZE	SPACING	REMARKS
TREES						
AC	2	Amelanchier canadensis	SHADBLOW SERVICEBERRY	6'-8' HT.	AS SHOWN	B&B CLUMP FORM
BN	8	Betula nigra 'Heritage'	HERITAGE RIVER BIRCH	6'-8' HT.	AS SHOWN	B&B 3 STEM MIN.
PG	9	Picea glauca	WHITE SPRUCE	6'-8' HT.	AS SHOWN	B&B
SHRUBS						
CA	24	Clethra alnifolia 'Hummingbird'	SWEET PEPPERBUSH	18"-24" HT.	AS SHOWN	
CS1	14	Cornus sericea 'Cardinal'	REDSIER DOGWOOD	24"-30" HT.	AS SHOWN	
CS2	14	Cornus sericea 'Farrow'	REDSIER DOGWOOD	18"-24" HT.	AS SHOWN	
IV1	19	Ilex verticillata 'Red Sprite'	RED SPRITE WINTERBERRY	18"-24" HT.	AS SHOWN	
IV2	2	Ilex verticillata 'Jim Dandy'	JIM DANDY WINTERBERRY	24"-30" HT.	AS SHOWN	
RV	20	Rhododendron viscosum	SWAMP AZALEA	24"-30" HT.	AS SHOWN	
PERENNIALS/HERBACEOUS						
AN	10	Aster novae-angliae	NEW ENGLAND ASTER	2 GAL.	24" O.C.	
IR	14	Iris versicolor	BLUE FLAG IRIS	1 GAL.	18" O.C.	
LC	10	Lobelia cardinalis	CARDINAL FLOWER	1 GAL.	18" O.C.	
TC	35	Tiarella cordifolia	FOAM FLOWER	1 GAL.	12" O.C.	
FERNS/GRASSES						
OR	18	Osmunda regalis	ROYAL FERN	1 GAL.	AS SHOWN	

LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- LIMITS OF DISTURBANCE
- WETLAND BOUNDARY
- EXISTING TREE LINE
- PROPOSED SHRUBS
- PROPOSED TREES
- WETLAND
- MEAN HIGH WATER MARK



SITE PLAN
 1" = 20'



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L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME

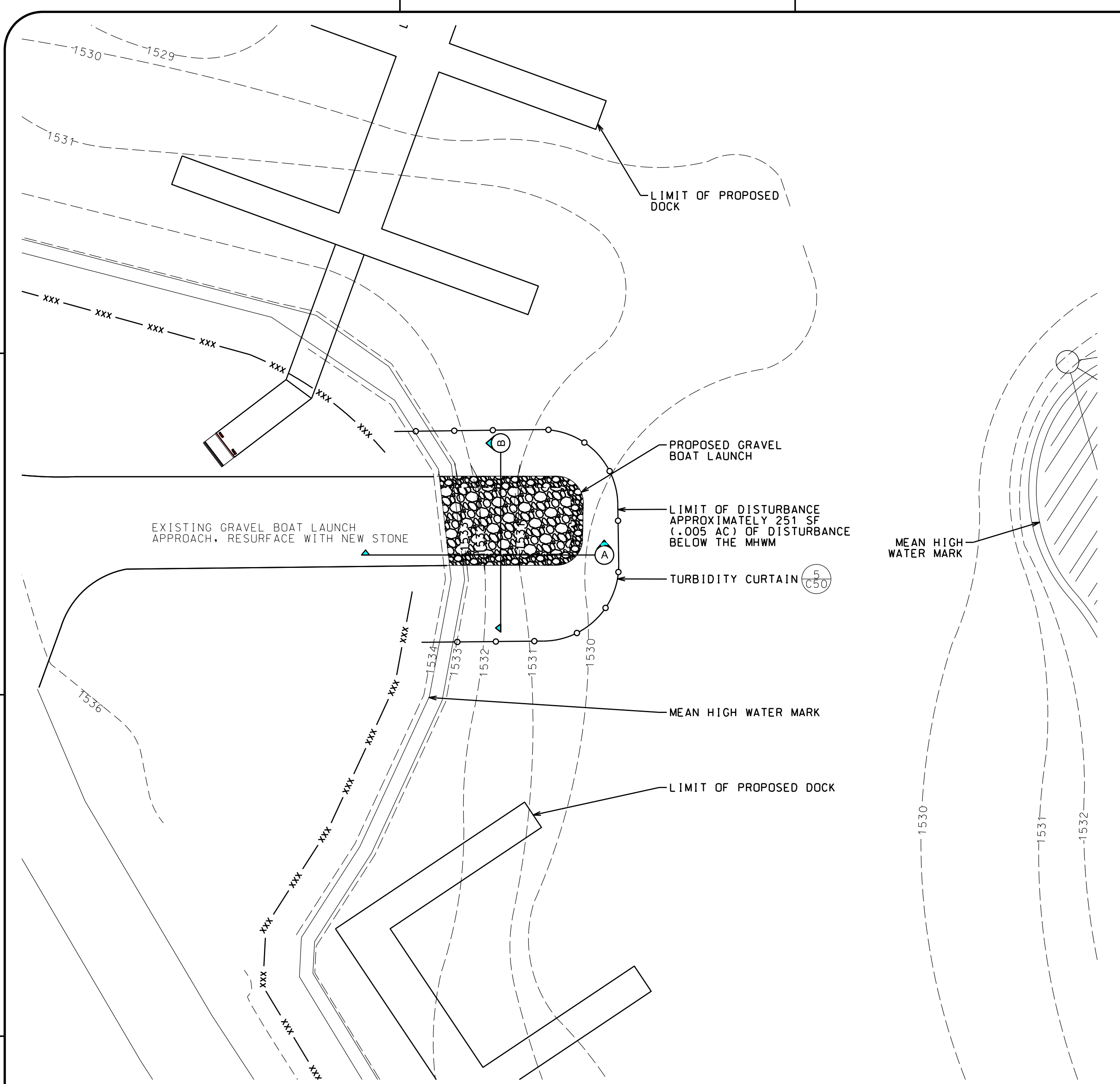
LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
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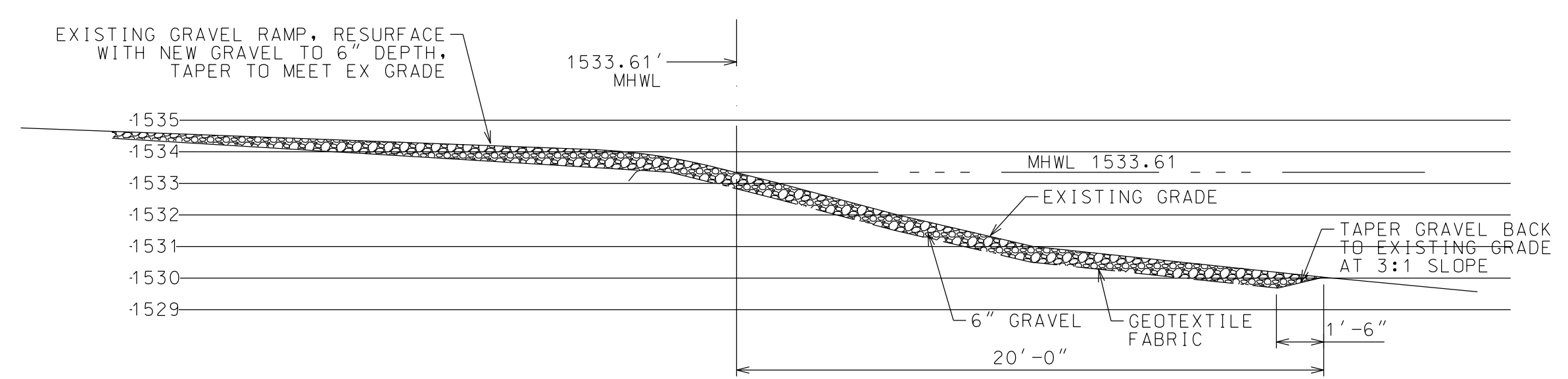
DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

TITLE
**ANNEX MARINA
BOAT LAUNCH
PLAN AND
SECTIONS**

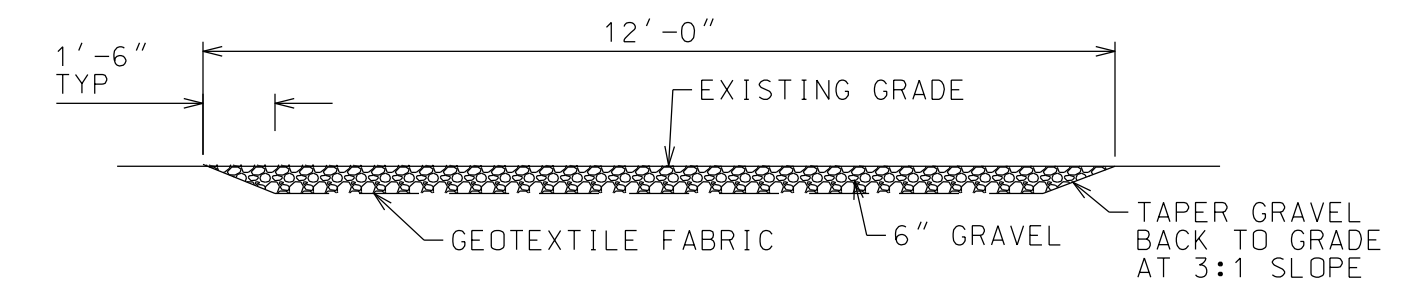
SHEET
C23



BOAT LAUNCH PLAN
1" = 10'



A
C23
BOAT LAUNCH RAMP SECTION A
1/4" = 1'



B
C23
BOAT LAUNCH RAMP SECTION B
1/4" = 1'

LEGEND

- PROPERTY BOUNDARY ————
- LIMIT OF DISTURBANCE - - - - -
- SILT FENCE ————
- TURBIDITY CURTAIN ————
- EX. MEAN HIGH WATER LINE ————
- PROPOSED MHWL ————
- COIR LOG ————
- WETLAND BOUNDARY ————
- DEEP WATER PLANTING [diagonal hatching]
- EMERGENT PLANTING [cross-hatching]
- BANK PLANTING AND EC BLANKET [diagonal hatching]



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LS MARINA, LLC
SARANAC LAKE MARINA



LEGEND

EXISTING STRUCTURE TO BE REMOVED, OUTSIDE 50' SHORELINE SETBACK	
EXISTING STRUCTURE TO REMAIN, OUTSIDE 50' SHORELINE SETBACK	
EXISTING STRUCTURE WITHIN 50' SETBACK TO REMAIN OR BE REPLACED ON EXISTING FOOTPRINT	
EXISTING STRUCTURE WITHIN 50' SETBACK TO BE REMOVED	
PROPOSED STRUCTURE WITHIN 50' SETBACK	
OVERLAP OF EXISTING STRUCTURE TO BE REMOVED AND PROPOSED STRUCTURE WITHIN 50' SHORELINE SETBACK	
EXISTING UNCOVERED DOCKS TO BE REMOVED	

SITE PLAN
1" = 30'
MEAN HIGH WATER MARK
(ELEV: 1533.61)

PROJECT NAME

LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
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03-30-23	OWNER CHANGES	B

DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

TITLE
**MAIN MARINA
OVERLAY PLAN**

SHEET
C30

KEY FOR EXISTING ELEMENTS WITHIN 50' SETBACK TO REMAIN OR BE REPLACED ON EXISTING FOOTPRINT

TAG	EXIST ELEMENT	EXIST GRADE (FT)	HEIGHT (FT)	FOOTPRINT INSIDE 50' SETBACK (SF)	NOTES
R1	SHED	1540.7	12	180	ALREADY DEMO'D. TO BE REPLACED ON FOOTPRINT. TO SAME HEIGHT
R2	SHED	1540.8	12	172	ALREADY DEMO'D. TO BE REPLACED ON FOOTPRINT. TO SAME HEIGHT
R3	PADDLE SPORTS BLDG	1534.5	16	1,704	ALREADY DEMO'D. TO BE REPLACED ON FOOTPRINT. TO SAME HEIGHT
R4	MARINA BLDG	1534.7	28	4,924	RENOVATED
R5	STAIRS	1534.2	-	58	REPLACED ON EXIST FOOTPRINT
R6	CONCRETE SLAB	1535.0	-	90	TO REMAIN
R7	CONCRETE SLAB	1534.6	-	244	TO REMAIN
	SUBTOTAL MAIN MARINA			7,372	
R20	ANNEX BUILDING	1537.8		848	TO REMAIN
	SUBTOTAL ANNEX			848	
	GRAND TOTAL			8,220	

NOTES:

- HEIGHTS OF EXISTING FEATURES PROVIDED BY GEOMATICS LAND SURVEYING.
- HEIGHTS OF PROPOSED BUILDING ELEMENTS PROVIDED BY OWNER.
- REFER TO MARINA SITE VARIANCE PLAN FOR LOCATIONS OF AREAS WITHIN THE SHORELINE SETBACK THAT REQUIRE AN APA VARIANCE.
- ELEMENTS AT MAIN MARINA START WITH NUMBERING AT ONE. ELEMENTS AT ANNEX START NUMBERING AT TWENTY.
- ELEMENTS E1A, E1B, E13, E14, E15 AND E16 RE-CREATED FROM HISTORIC DOCUMENTS AND TESTIMONY.
- WHERE STRUCTURES WITHIN 50' SETBACK TO BE REPLACED ON EXISTING FOOTPRINT, REPLACEMENT STRUCTURES WILL NOT BE HIGHER THAN FORMER STRUCTURE.

KEY FOR EXISTING ELEMENTS WITHIN 50' SETBACK TO BE REMOVED

TAG	EXIST ELEMENT	EXIST GRADE (FT)	HEIGHT (FT)	FOOTPRINT INSIDE 50' SETBACK (SF)	NOTES
E1	BOATHOUSE	1533.7	24' +/-	6,344	ALREADY DEMO'D. 1,463 SF ON SECOND FLOOR. LABELED AS E1A AND E1B
E2	DOCK	1533.7	-	-	ALREADY DEMO'D. 38 SF
E3	DOCK	1533.7	-	-	ALREADY DEMO'D. 38 SF
E4	DOCK	1533.7	-	-	ALREADY DEMO'D. 38 SF
E5	DOCK	1529.9	-	-	ALREADY DEMO'D. 245 SF
E5A	ROOF OVER FORMER FUELING STATION	1529.9	10' +/-	245	ALREADY DEMO'D. COVERED DOCK E5
E6	DOCK	1529.9	-	-	ALREADY DEMO'D. 615 SF
E7	DOCK	1530.1	-	-	ALREADY DEMO'D. 551 SF
E8	DOCK	1530.1	-	-	ALREADY DEMO'D. 898 SF
E9	DOCK	1531.0	-	-	ALREADY DEMO'D. 137 SF
E10	BOATHOUSE	1531.6	12' +/-	2,310	ALREADY DEMO'D
E11	SPLIT RAIL FENCE	1531.8	3' +/-	-	ALREADY DEMO'D. 100 LF
E12	CONCRETE SLAB	1531.6	-	465	
E13	BOATHOUSE	1533.7	14' +/-	1400	ALREADY DEMO'D
E14	BOATHOUSE	1533.7	14' +/-	800	ALREADY DEMO'D
E15	BOATHOUSE	1533.7	14' +/-	1,248	ALREADY DEMO'D
	SUBTOTAL MAIN MARINA			12,812	
E20	ANNEX BOATHOUSE 1	1533.6	12' +/-	2,500	ALREADY DEMO'D
E21	ANNEX BOATHOUSE 2	1534.3	12' +/-	5,220	ALREADY DEMO'D
E22	ANNEX BOATHOUSE 3	1535.2	12' +/-	4,824	ALREADY DEMO'D
E23	ANNEX BOATHOUSE 4	1535.2	12' +/-	2,327	ALREADY DEMO'D
	SUBTOTAL ANNEX			14,871	
	GRAND TOTAL			27,683	

KEY FOR PROPOSED ELEMENTS WITHIN 50' SETBACK

TAG	PROPOSED ELEMENT	EXIST GRADE (FT)	PROPOSED GRADE (FT)	HEIGHT (FT)	FOOTPRINT INSIDE 50' SETBACK (SF)	VARIANCE REQ'D?*	VARIANCE AREA (SF)	NOTES
P1	COVERED DOCK 1	1529.6	1529.6	14	12,064	PART	3,275	PROVIDES ECONOMIC VIABILITY. 3,266 SQ FT OVERLAP (FROM P1A, P1B, E13 & E14) PLUS REMAINDER OF AREA FROM ITEMS E1, E13, E14 & E5A
P2	COVERED DOCK 2	1533.7	1533.6	14	14,896	PART	14,065	PROVIDES ECONOMIC VIABILITY. 831 SQ FT FROM E23
P3	COVERED DOCK 3	-	-	14	17,172	PART	13,614	PROVIDES ECONOMIC VIABILITY. 876 SQ FT OVERLAP PLUS REMAINDER OF AREA FROM ITEM E10 AND ITEM E15
P4	COVERED DOCK 4	1530.0	1534.2	14	4,368	YES	4,368	PROVIDES ECONOMIC VIABILITY
P5	BOAT LAUNCH	1529.9	1529.8	-	1,042	PART	577	465 SQ FT OVERLAP (ITEM P5A), REMOVAL OF ITEM E12
	SUBTOTAL MAIN MARINA				49,542		35,899	
P20	ANNEX DOCK 1	-	-	-	7,020	NO	-	ALL OF AREA FROM E20, 4520 SQ FT OF E21
P21	ANNEX DOCK 2	-	-	-	7,020	NO	-	ALL OF AREA FROM E22, REMAINING 700 SQ FT OF E21, 1496 SQ FT OF E23
P22	ANNEX DOCK 3	-	-	-	-	-	-	
P23	ANNEX DOCK 4	-	-	-	-	-	-	
P24	ANNEX DOCK 5	-	-	-	-	-	-	
	SUBTOTAL ANNEX				14,040		-	
	GRAND TOTAL				63,582		35,899	

* VARIANCE REQUIREMENTS BASED ON INFORMATION PROVIDED BY THE APA IN A VARIANCE MEETING ON 21 FEB 2020.



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L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME

LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
06-04-20	APA SUPPLEMENT	A
07-16-20	OWNER CHANGES	B
03-30-23	OWNER CHANGES	C
05-02-23	APA SUPPLEMENT	D

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
MARINA OVERLAY TABLES

SHEET



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L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME

LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
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DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

TITLE
MAIN MARINA
VARIANCE PLAN

SHEET
C33

KEY FOR VARIANCE AREAS

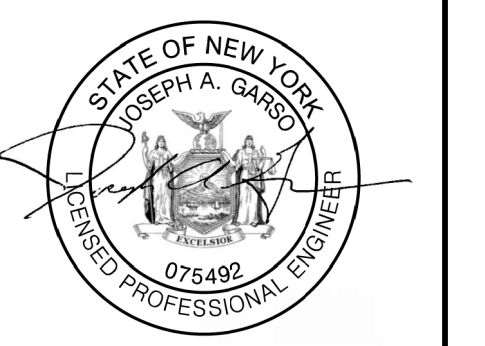
TAG	PROPOSED ELEMENT	VARIANCE AREA (SF)
P1	COVERED DOCK 1	3,275
P2	COVERED DOCK 2	14,065
P3	COVERED DOCK 3	13,614
P4	COVERED DOCK 4	4,368
P5	BOAT LAUNCH	577
	SUBTOTAL MAIN MARINA	35,899
P20	ANNEX DOCK 1 (VARIANCE NOT REQ'D)	-
P21	ANNEX DOCK 2 (VARIANCE NOT REQ'D)	-
P22	ANNEX DOCK 3 (REMOVED COVERING)	-
P23	ANNEX DOCK 4 (REMOVED COVERING)	-
P24	ANNEX DOCK 5 (REMOVED COVERING)	-
	SUBTOTAL ANNEX	-
	GRAND TOTAL	35,899



SITE PLAN
1" = 30'

MEAN HIGH WATER MARK
(ELEV: 1533.61)

50'-0" SHORELINE
SETBACK



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L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME

LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
06-09-20	APA SUPPLEMENT	A
07-16-20	OWNER CHANGES	B
08-11-20	APA SUPPLEMENT	C
08-27-20	APA SUPPLEMENT	D
09-17-21	APA SUPPLEMENT	E
03-30-23	OWNER CHANGES	F
05-02-23	APA SUPPLEMENT	G

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
MAIN MARINA AQUATIC VEGETATION DIAGRAM

SHEET
C40

LEGEND

- PROPERTY LINE
- 10- 1' BATHYMETRIC LINE
- SUBMERGED AQUATIC VEGETATION (SAV)
- SAV WITH DOCKS ABOVE
- AREA LESS THAN 7' DEEP TO BE UNCOVERED
- INSHORE (LESS THAN 10' DEEP) ANCHOR PIPE LOCATIONS
- COVERED DOCKS
- EXISTING STRUCTURES TO BE RECONSTRUCTED/RENOVATED
- EXISTING BOATHOUSE/DOCK TO BE DEMOLISHED

SUBMERGED AQUATIC VEGETATION

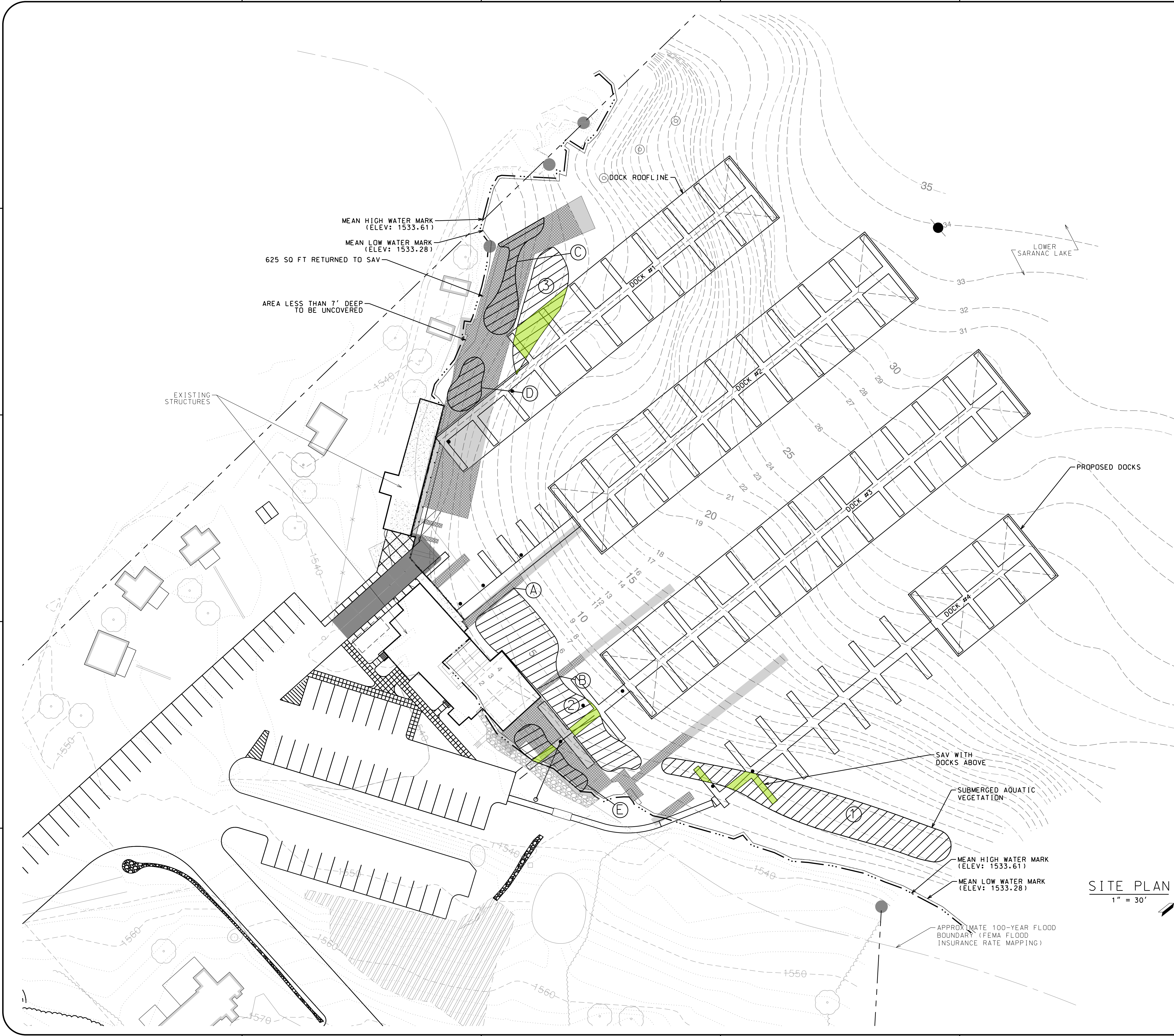
AREA	SIZE (SF)	DOCKS ABOVE (SF)
1	3,722	235
2	3,449	140
3	1,453	551
E	540	62
TOTAL	9,164 SF	988 SF

AREA LESS THAN 7' DEEP TO BE UNCOVERED: 6,827 SF

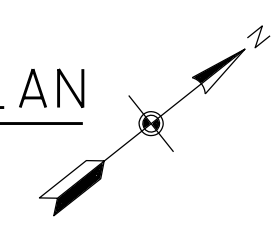
OLD AREA	COVER REMOVED, AREA ALLOWED TO BECOME SAV HABITAT (SF)
A	31
B	64
C	325
D	300
E	540
TOTAL	1,260 SF

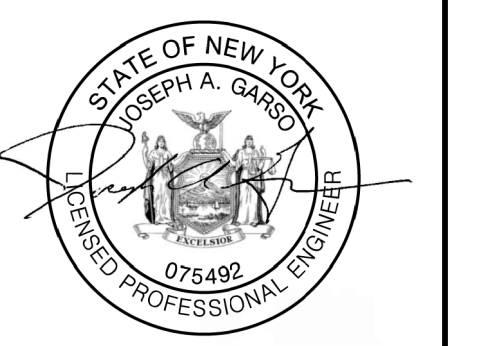
NET SAV IMPACT: 1,260 - 988 = 272 SF RETURNED

NOTE:
 AREAS RETURNED TO SAV DETERMINED BY THOMAS WARD, NCS AND VERIFIED BY MARY O'DELL, APA ON 26 AUG 2020.



SITE PLAN
1" = 30'





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L.S. MARINA, LLC
SARANAC LAKE MARINA

SUBMERGED AQUATIC VEGETATION (SAV)

EXISTING BOATHOUSES REMOVED - AREAS ALLOWED TO BECOME SAV HABITAT

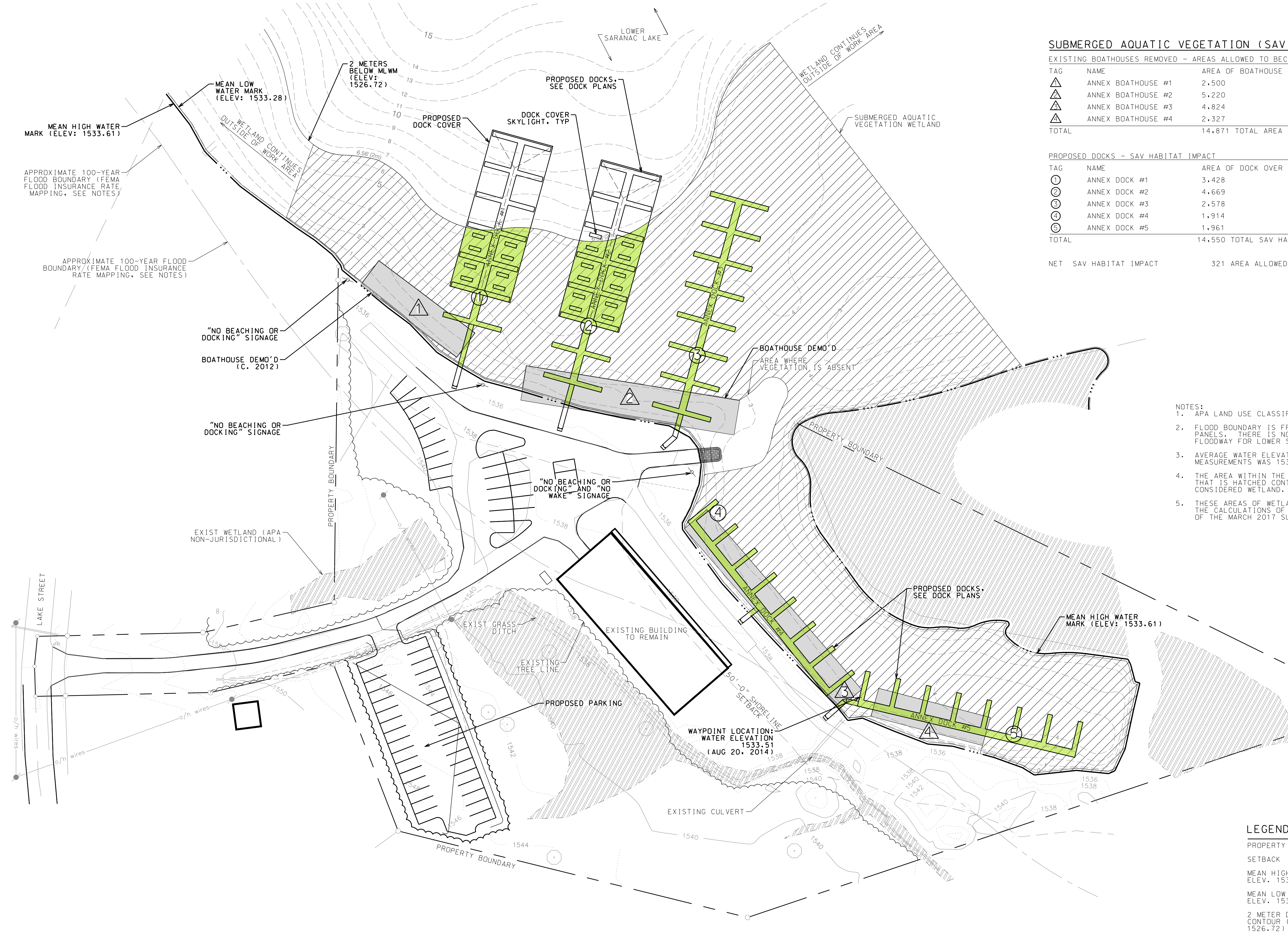
TAG	NAME	AREA OF BOATHOUSE OVER SAV HABITAT (SF)
△	ANNEX BOATHOUSE #1	2,500
△	ANNEX BOATHOUSE #2	5,220
△	ANNEX BOATHOUSE #3	4,824
△	ANNEX BOATHOUSE #4	2,327
TOTAL		14,871 TOTAL AREA ALLOWED TO BECOME SAV HABITAT

PROPOSED DOCKS - SAV HABITAT IMPACT

TAG	NAME	AREA OF DOCK OVER SAV HABITAT (SF)
①	ANNEX DOCK #1	3,428
②	ANNEX DOCK #2	4,669
③	ANNEX DOCK #3	2,578
④	ANNEX DOCK #4	1,914
⑤	ANNEX DOCK #5	1,961
TOTAL		14,550 TOTAL SAV HABITAT IMPACT

NET SAV HABITAT IMPACT 321 AREA ALLOWED TO BECOME SAV HABITAT

- NOTES:
1. APA LAND USE CLASSIFICATION: HAMLET
 2. FLOOD BOUNDARY IS FROM BEST-FIT FEMA PANELS. THERE IS NO FEMA DESIGNATED FLOODWAY FOR LOWER SARANAC LAKE.
 3. AVERAGE WATER ELEVATION AT TIME OF DEPTH MEASUREMENTS WAS 1533.28
 4. THE AREA WITHIN THE 2 METER CONTOUR LINE THAT IS HATCHED CONTAINS SAV AND IS CONSIDERED WETLAND.
 5. THESE AREAS OF WETLANDS WERE USED IN THE CALCULATIONS OF AREAS IN RESPONSE 4 OF THE MARCH 2017 SUBMITTAL.



LEGEND

PROPERTY BOUNDARY	---
SETBACK	---
MEAN HIGH WATER ELEV. 1533.61	---
MEAN LOW WATER ELEV. 1533.28	---
2 METER DEPTH CONTOUR (ELEV. 1526.72)	~
1' BATHYMETRIC LINE	- - -
100-YEAR FLOOD BOUNDARY	---
FORMER BOATHOUSE LOCATION	▬
SAV WETLAND	▨
SAV WETLAND TO BE COVERED BY DOCK	▩

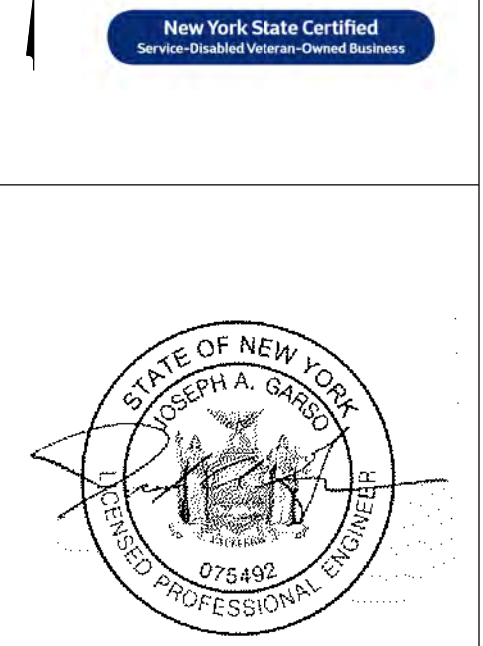
PROJECT NAME: L.S. MARINA, LLC SARANAC LAKE MARINA

LOCATION: 4901 NYS ROUTE 3 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
06-05-20	APA SUPPLEMENT	A
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06-10-20	APA SUPPLEMENT	C
07-16-20	OWNER CHANGES	D
07-27-20	APA SUPPLEMENT	E
07-31-20	APA SUPPLEMENT	F
09-17-21	APA SUPPLEMENT	G
03-30-23	OWNER CHANGES	H
03-30-23	APA SUPPLEMENT	I

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE: ANNEX MARINA AQUATIC VEGETATION DIAGRAM



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L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME
 LOCATION
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE
 05-01-20

ISSUED FOR
 APA PERMITTING

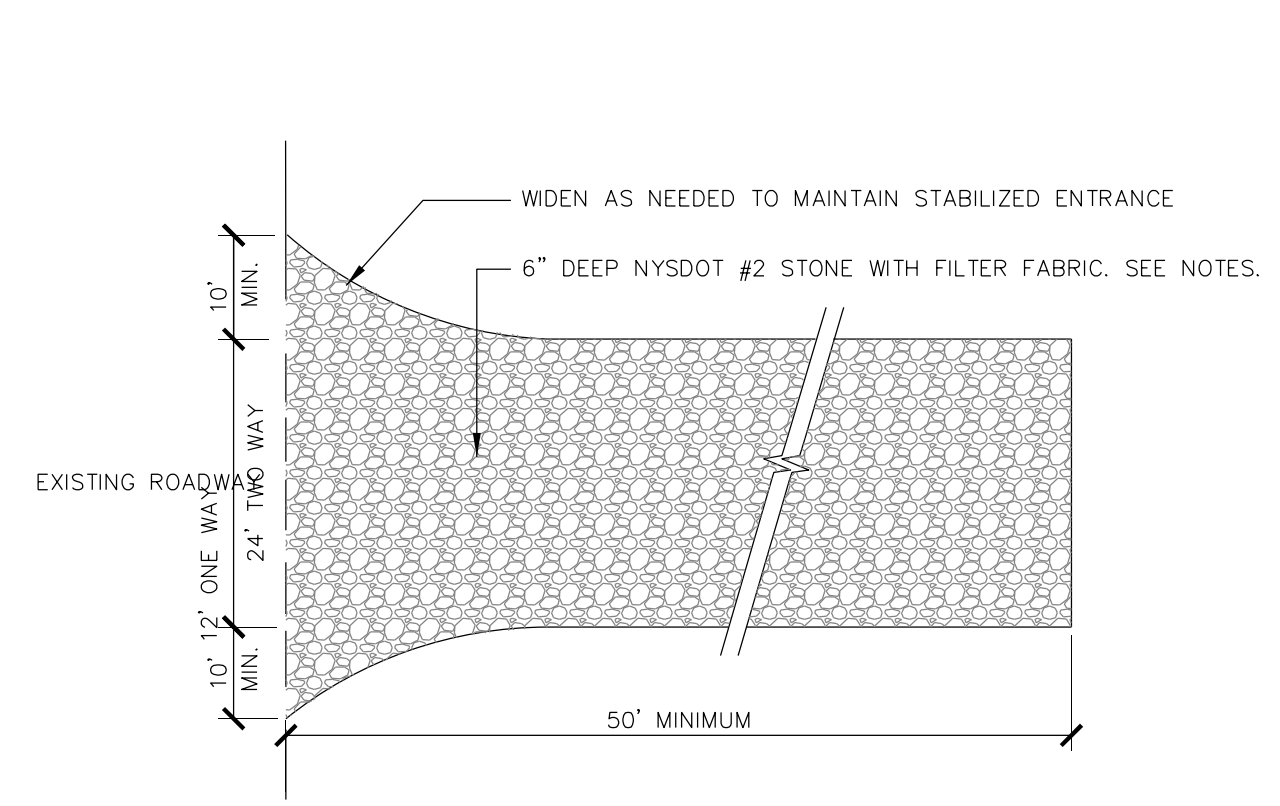
REV
 1
 2

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO

PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
 SITE DETAILS

SHEET
 C50

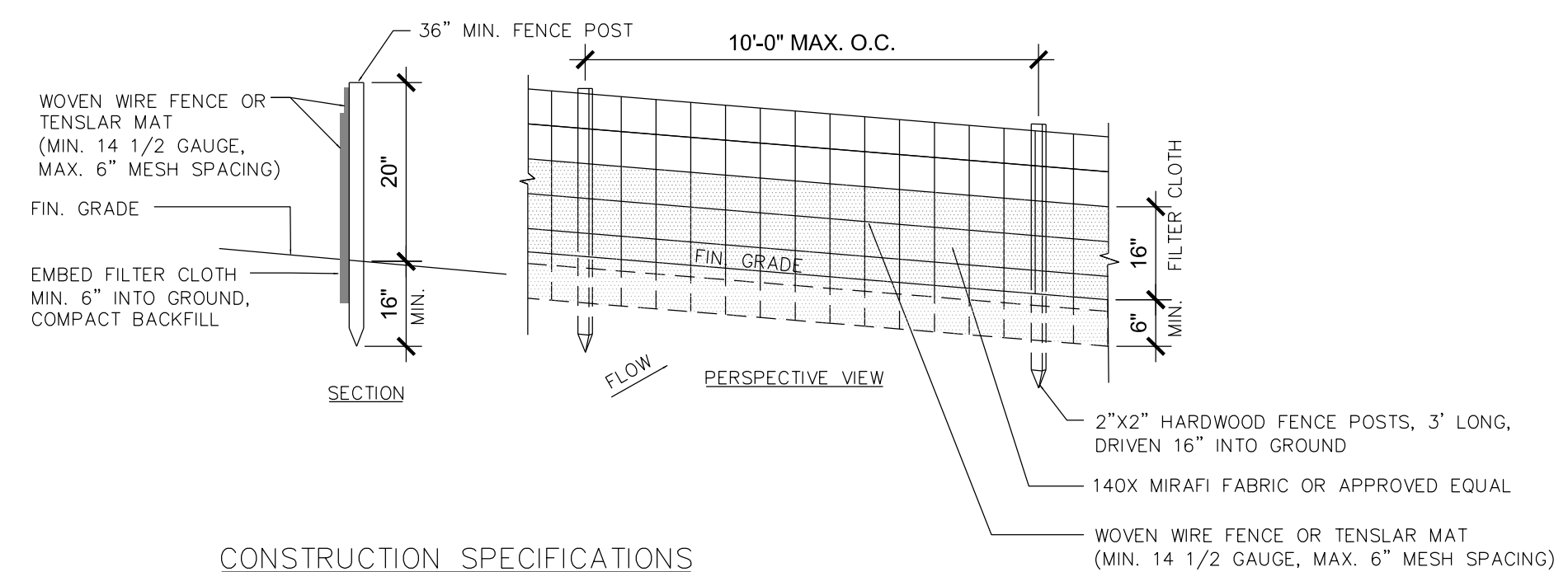


- NOTES:**
- MINIMUM STONE SIZE SHALL BE 1"-4" STONE, INSTALLED OVER FILTER FABRIC TO A MINIMUM DEPTH OF 6".
 - MINIMUM WIDTH SHALL BE 12" FOR ONE WAY TRAFFIC, 24" FOR TWO WAY TRAFFIC. MINIMUM LENGTH SHALL BE 50".
 - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH ENTRANCE.
 - IF IMPRACTICAL, A MOUNTABLE DIVERSION BERM PREVENTING RUNOFF ONTO ADJACENT ROAD SHALL BE PERMITTED.
 - ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
 - ALL VEHICLE WASHING SHALL BE DONE IN A STONE STABILIZED AREA WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - INSPECT AND MAINTAIN AS NEEDED TO CONFORM TO SPECIFICATIONS AND STORMWATER POLLUTION PREVENTION PLAN.

1 STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS

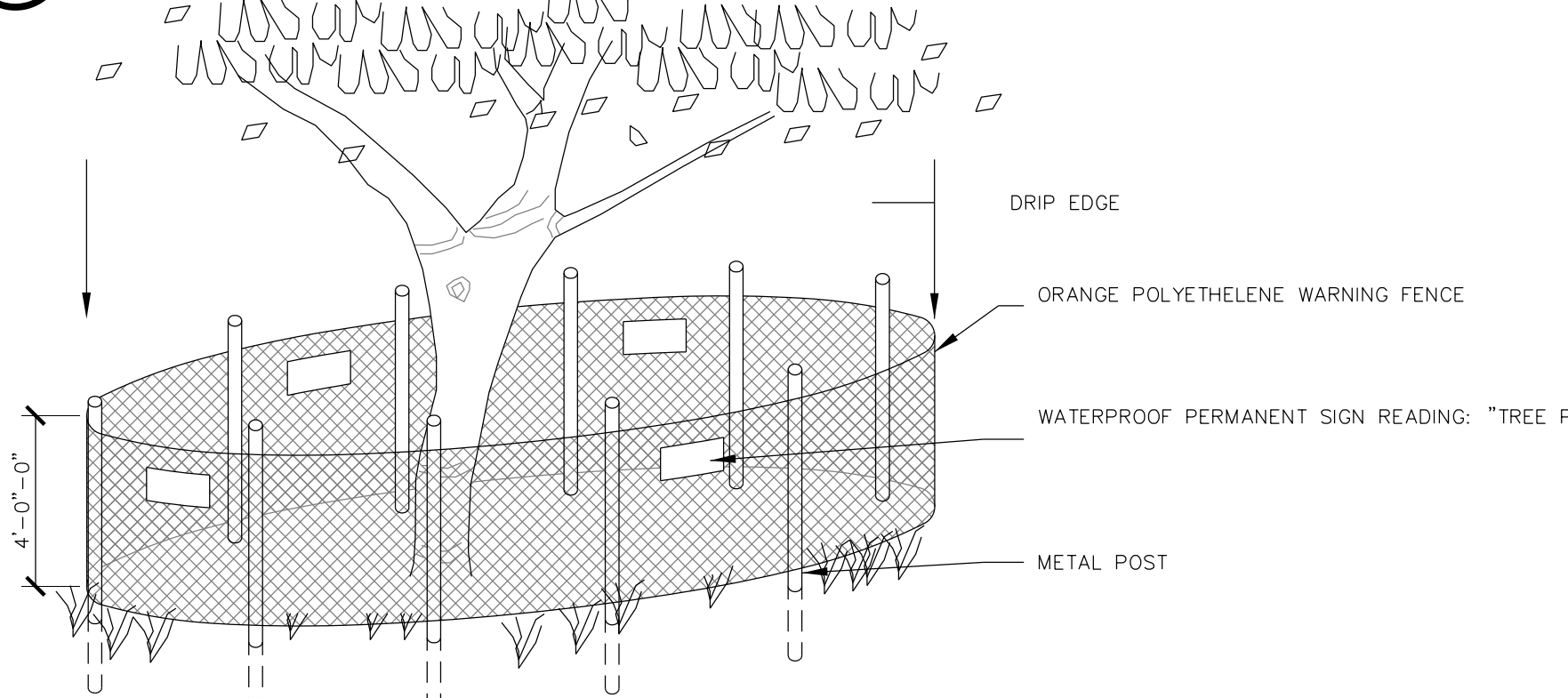
NOTE: SILT FENCE LOCATION SHOWN ON PLANS IS DIAGRAMMATIC. SILT FENCE SHALL BE PLACED PARALLEL TO CONTOURS.



- CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
 - PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 1/3 HEIGHT OF SILT FENCE IS REACHED OR WHEN "BULGES" DEVELOP IN THE SILT FENCE.

2 SILT FENCE

SCALE: NTS



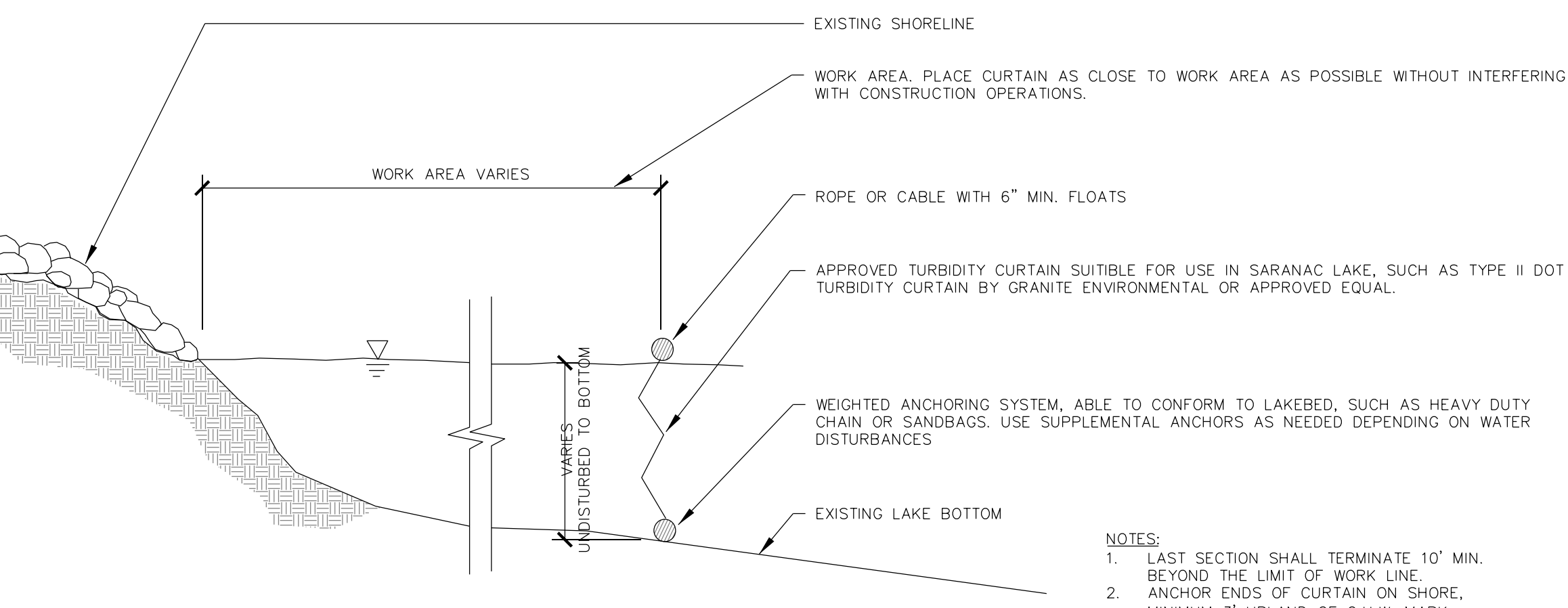
3 TREE PROTECTION FENCE

SCALE: NTS

- NOTES:**
- ALL SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH HYDROSEED APPLICATION OF "FLEXITERRA" BONDED FIBER MATRIX, ROLLED EROSION CONTROL PRODUCT, OR APPROVED EQUAL, AND IN ACCORDANCE WITH THE PROJECT SWPPP.
 - SLOPES LESS THAN 3:1 SHALL BE STABILIZED WITH SEED AND STRAW MULCH IN ACCORDANCE WITH THE PROJECT SWPPP.
 - SEED MIX SHALL BE 43% BOREAL CREEPING RED FESCUE, 34% PERENNIAL RYEGRASS, AND 17% KENTUCKY BLUEGRASS. UP TO 20% ANNUAL RYE MAY BE ADDED TO MIX FOR QUICK STABILIZATION.
 - INSTALL EROSION CONTROL PRODUCTS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ANY PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

4 SLOPE STABILIZATION

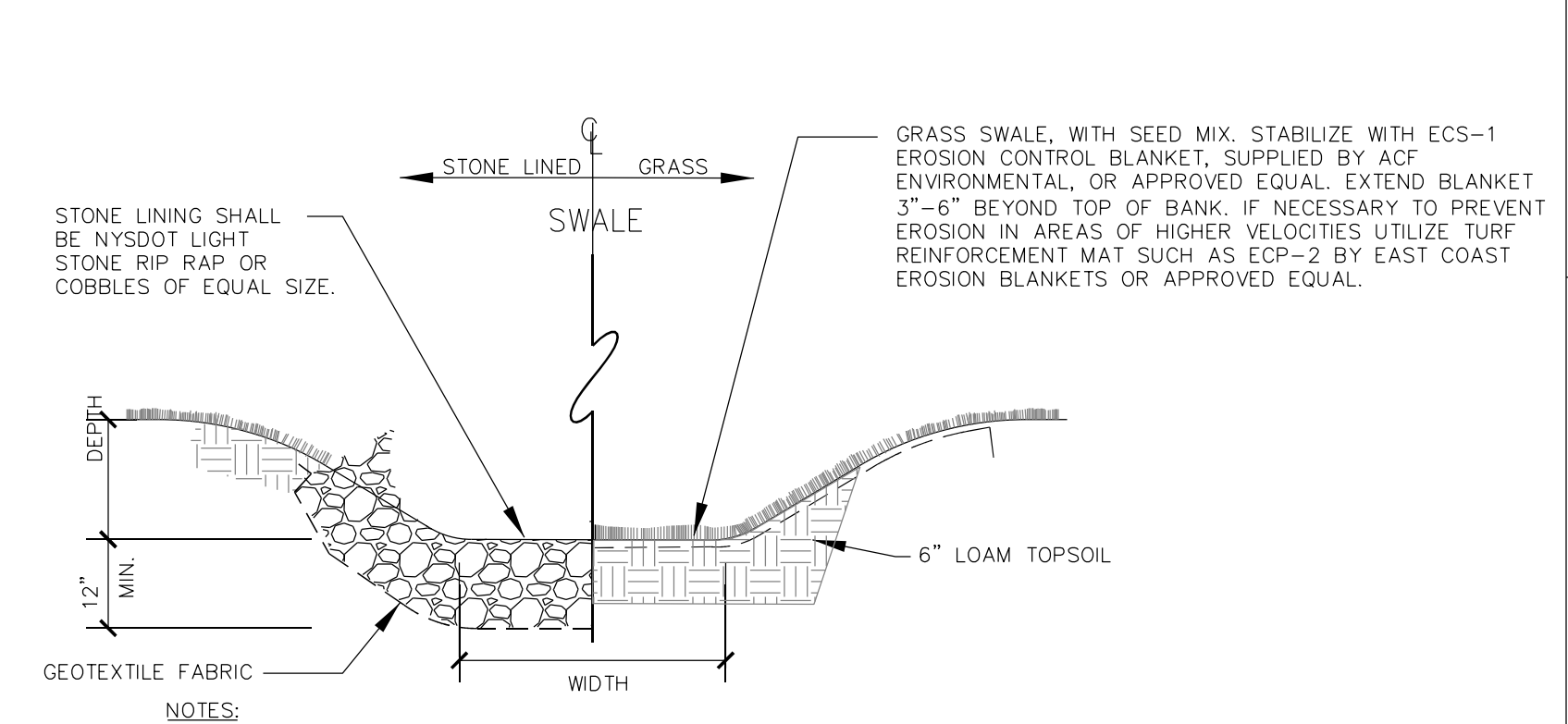
SCALE: NTS



5 TURBITDITY CURTAIN

SCALE: NTS

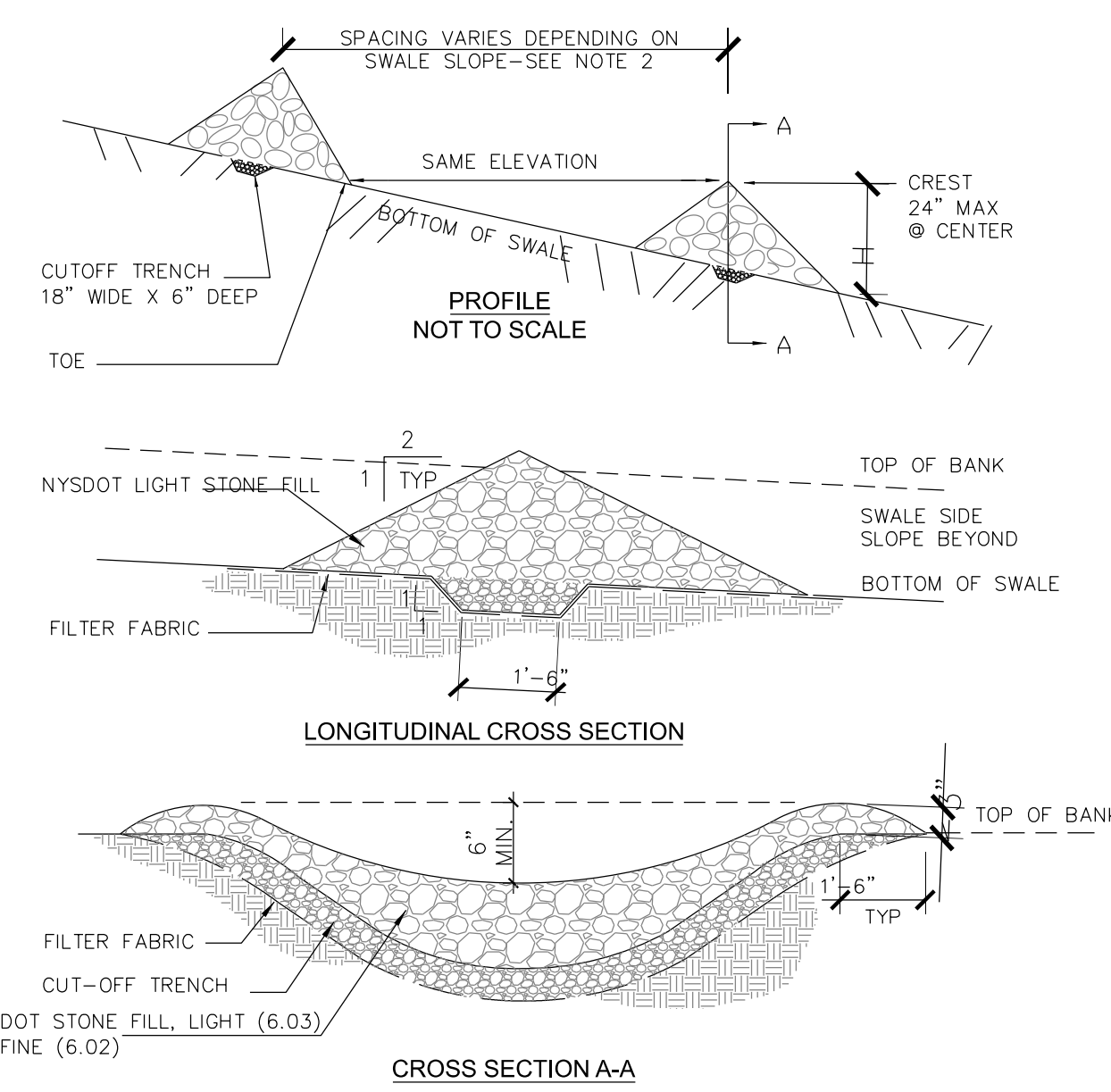
- NOTES:**
- LAST SECTION SHALL TERMINATE 10' MIN. BEYOND THE LIMIT OF WORK LINE.
 - ANCHOR ENDS OF CURTAIN ON SHORE. MINIMUM 3' UPLAND OF O.H.W. MARK. TURBIDITY CURTAIN SHALL BE INSTALLED IN ACCORDANCE WITH THE NYS STANDARDS FOR EROSION & SEDIMENT CONTROL.



8 STORM CONVEYANCE SWALE

SCALE: NTS

- NOTES:**
- EROSION CONTROL PRODUCTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - ANY PROPOSED SUBSTITUTION SHALL BE SUBMITTED TO OWNER'S REPRESENTATIVE AND QUALIFIED INSPECTOR FOR APPROVAL PRIOR TO CONSTRUCTION.
 - FINAL SURFACING AS NOTED ON PLANS.
 - WIDTH AND DEPTH AS INDICATED ON GRADING PLANS.



6 STONE CHECKDAM

SCALE: NTS

- NOTES:**
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES, AND LOCATIONS SHOWN IN THE PLAN.
 - SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
 - EXTEND STONE A MINIMUM 1'-6" BEYOND TOP BANK OF SWALE.
 - PROTECT SWALE/CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 - ENSURE THAT CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT

STONE APRON WIDTH & LENGTH TABLE

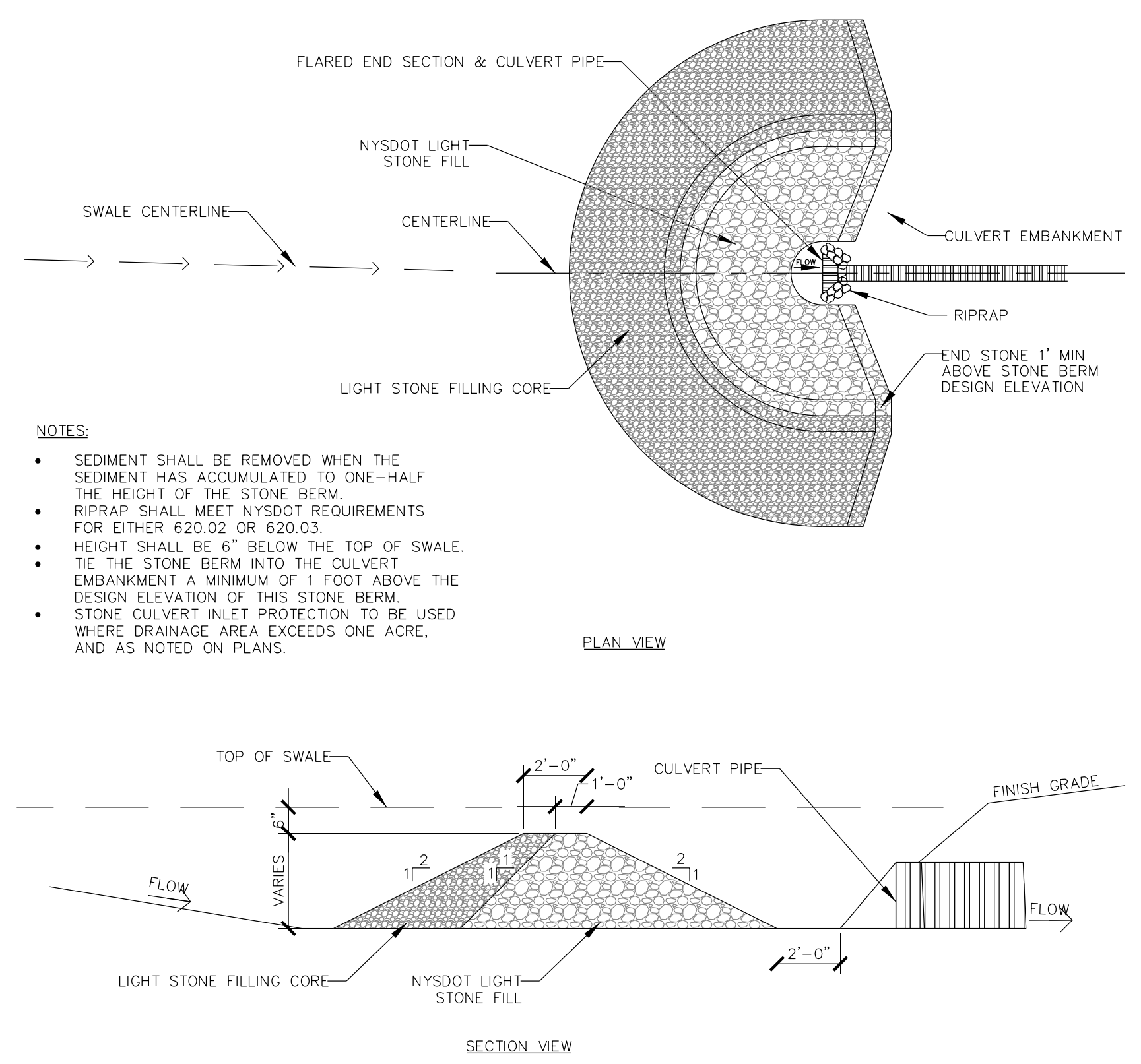
PIPE DIA	WIDTH "W"	MIN. LENGTH "L"
F.E.S. 1	6'-0"	6'-0"
F.E.S. 2	6'-0"	6'-0"
L.O.	6'-0"	6'-0"

L.O.: LAKE OUTLET

- NOTE:** WHEN OUTLET IS TO SWALE, EXTEND STONE FILL UP SIDE SLOPE A MINIMUM OF 1/3 THE SWALE DEPTH.

7 OUTLET PROTECTION AND FLARED END SECTION

SCALE: NTS



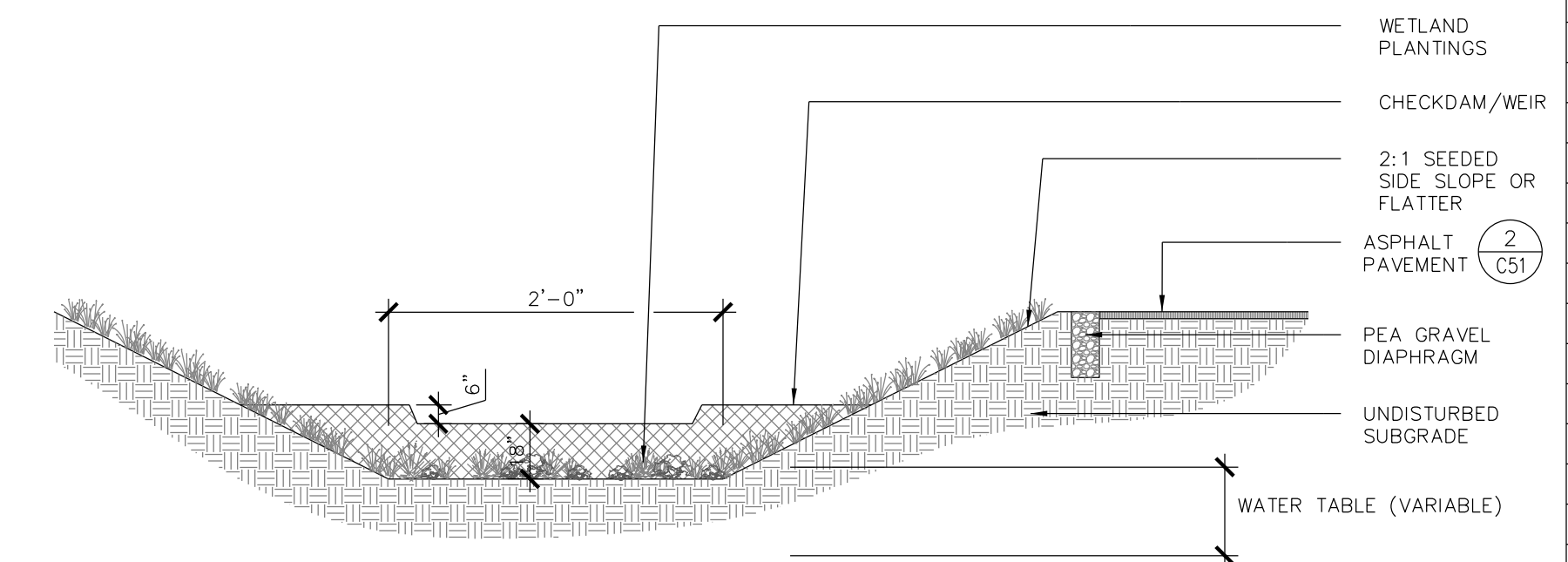
9 CULVERT INLET PROTECTION

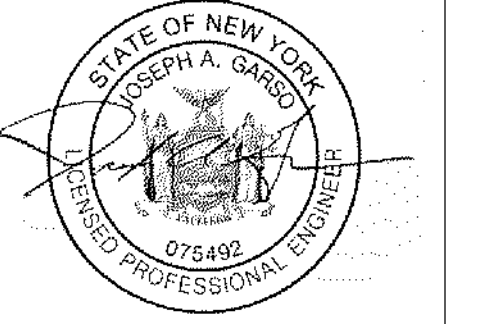
SCALE: NTS

- NOTES:**
- SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE STONE BERM.
 - RIPRAP SHALL MEET NYS DOT REQUIREMENTS FOR EITHER 620.02 OR 620.03.
 - HEIGHT SHALL BE 6" BELOW THE TOP OF SWALE.
 - TIE THE STONE BERM INTO THE CULVERT EMBANKMENT A MINIMUM OF 1 FOOT ABOVE THE DESIGN ELEVATION OF THIS STONE BERM.
 - STONE CULVERT INLET PROTECTION TO BE USED WHERE DRAINAGE AREA EXCEEDS ONE ACRE, AND AS NOTED ON PLANS.

10 WET SWALE

SCALE: NTS





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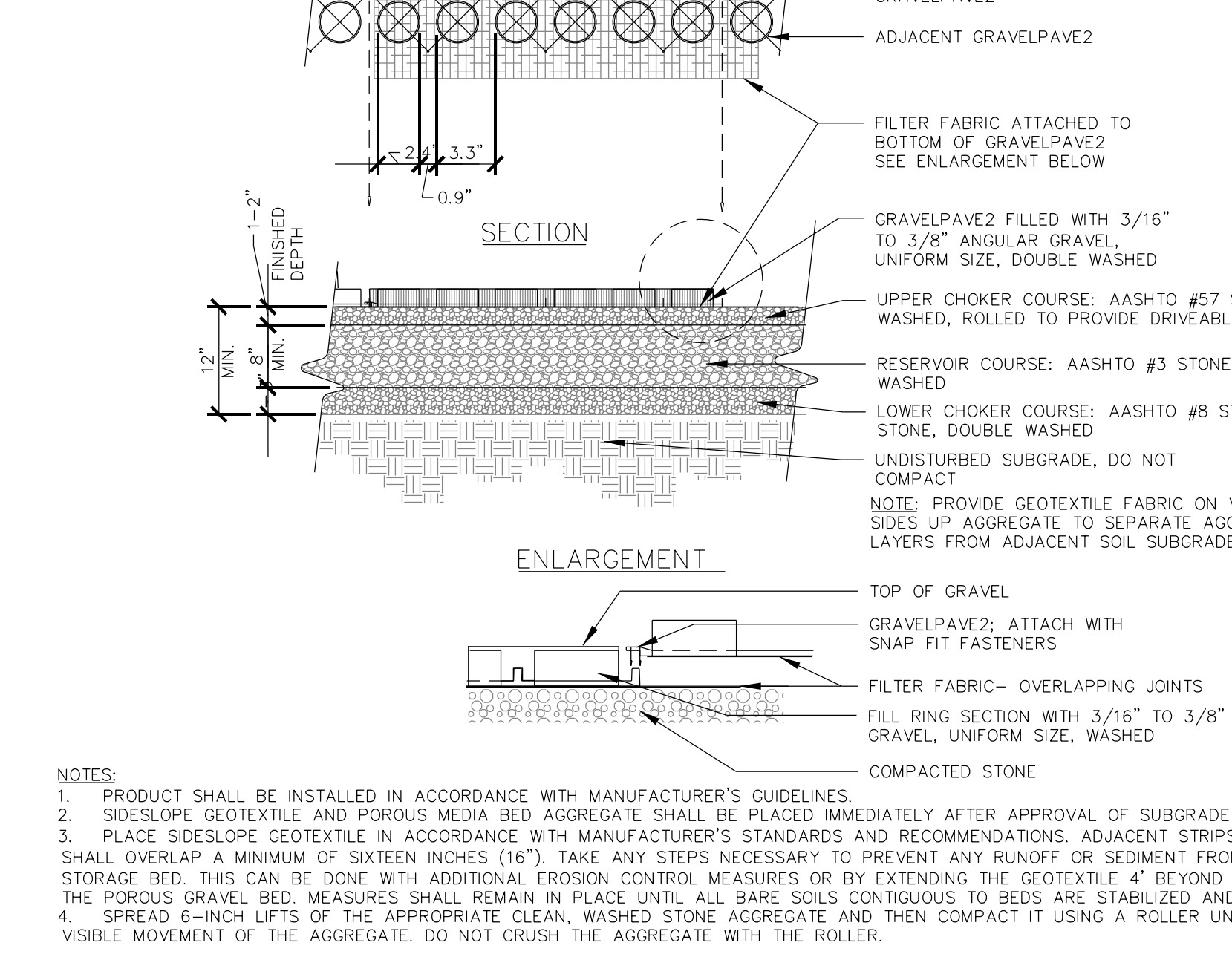
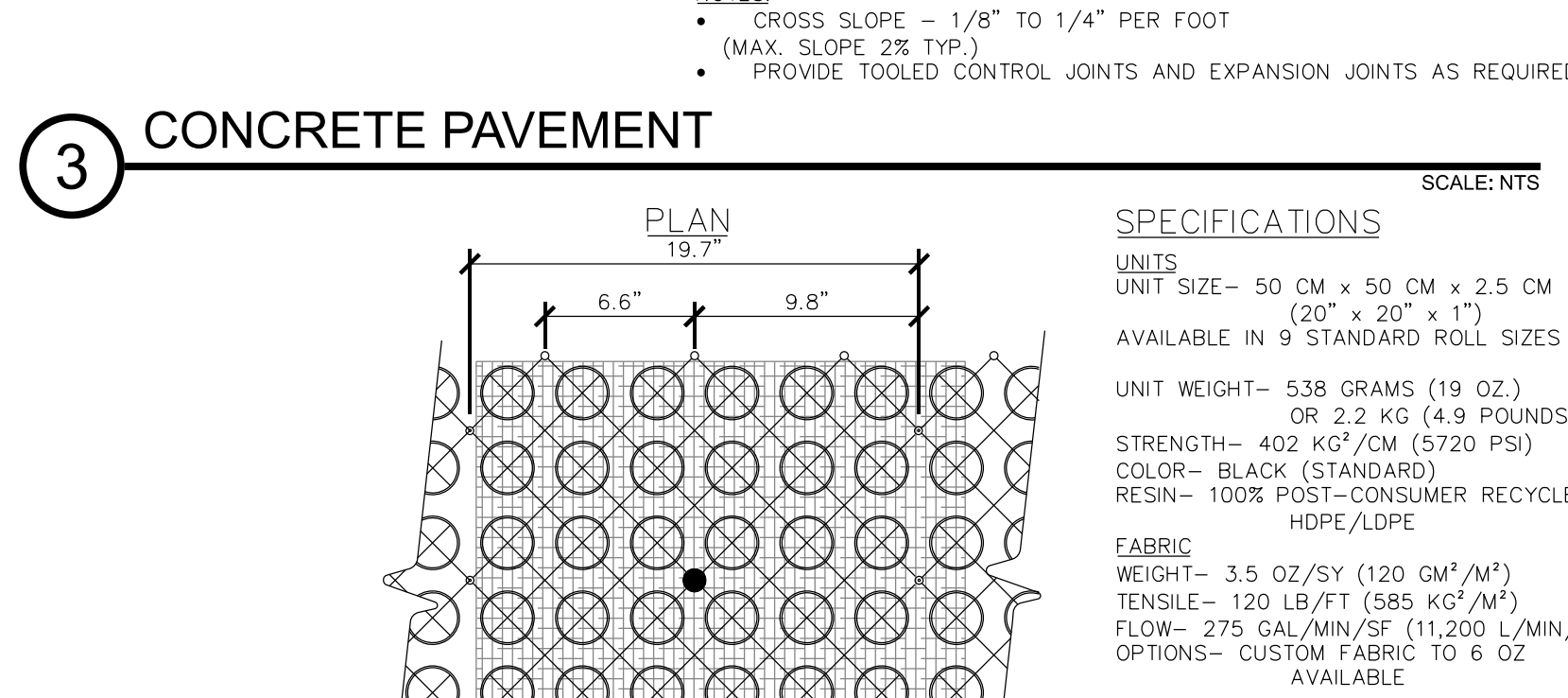
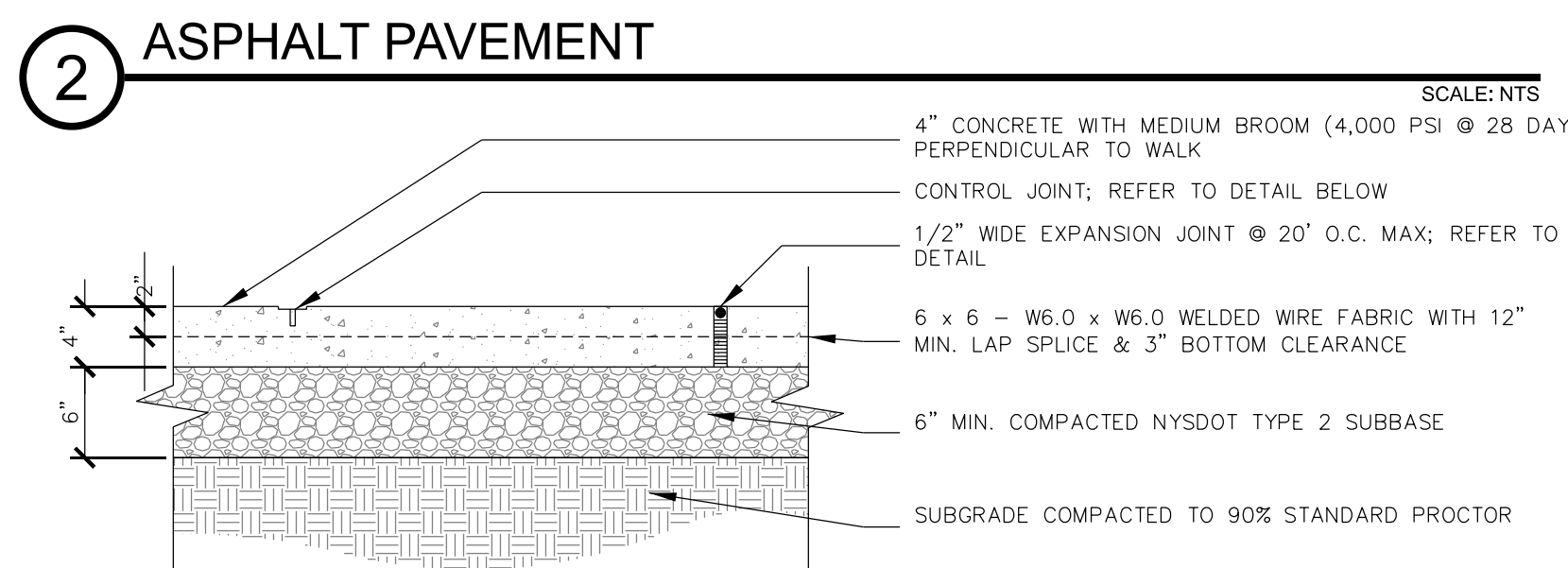
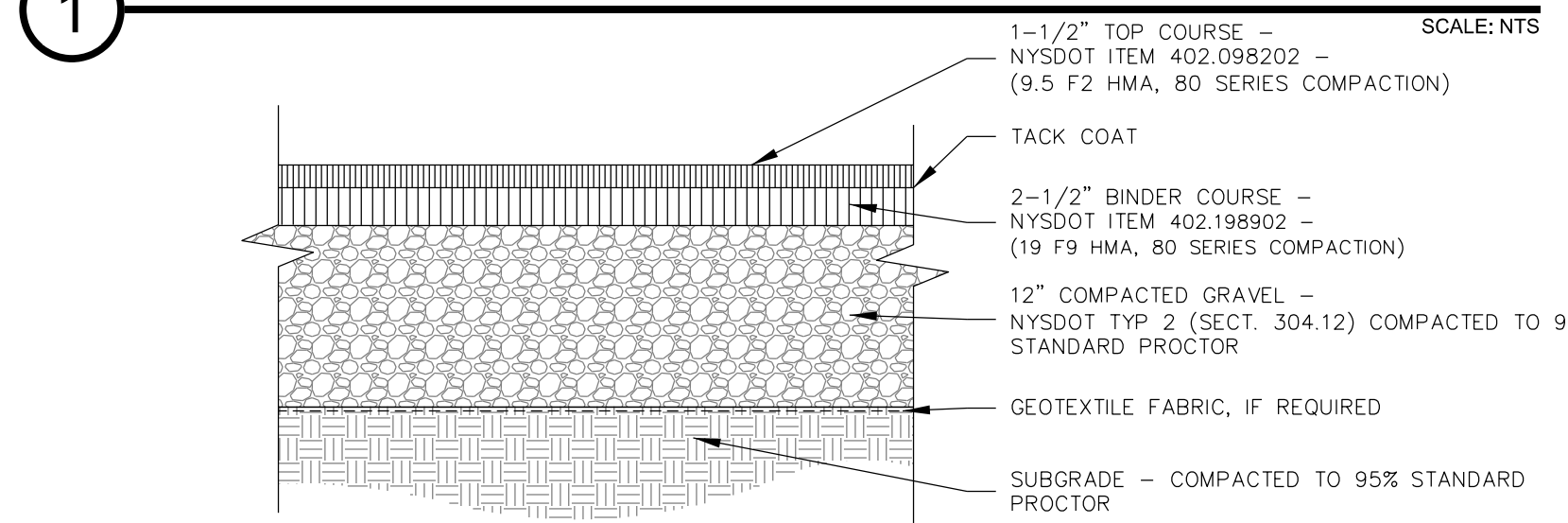
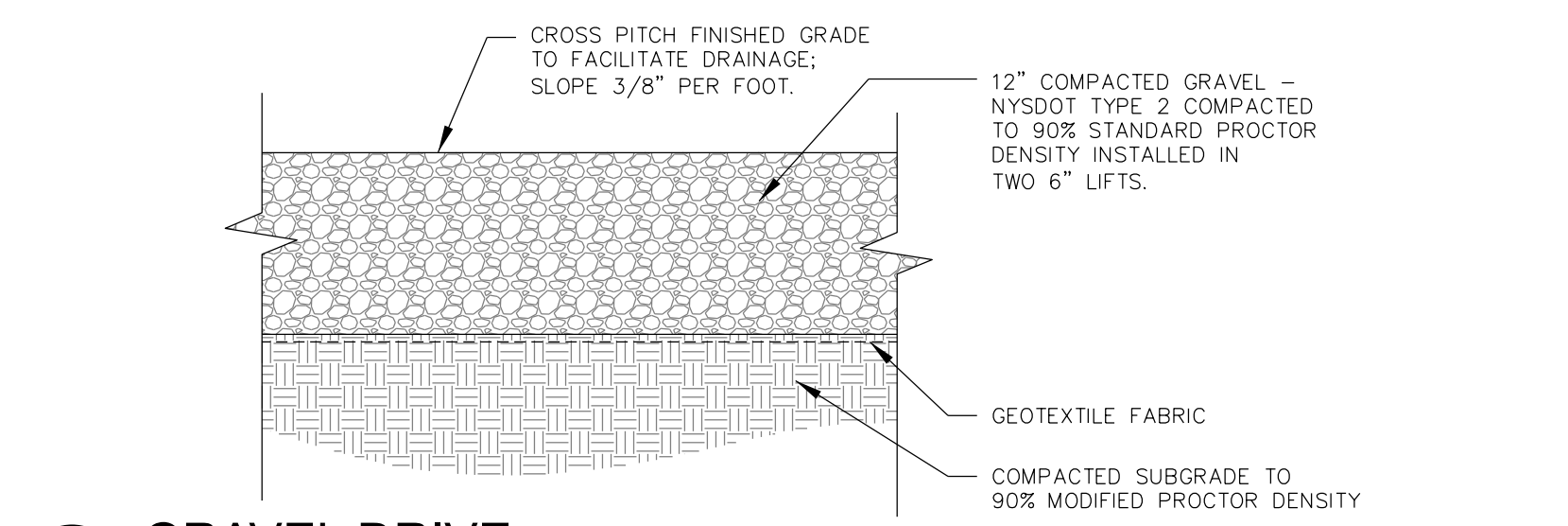
L.S. MARINA, LLC
SARANAC LAKE MARINA

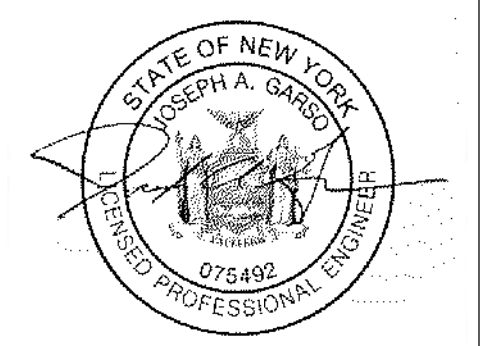
PROJECT NAME
 LOCATION
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

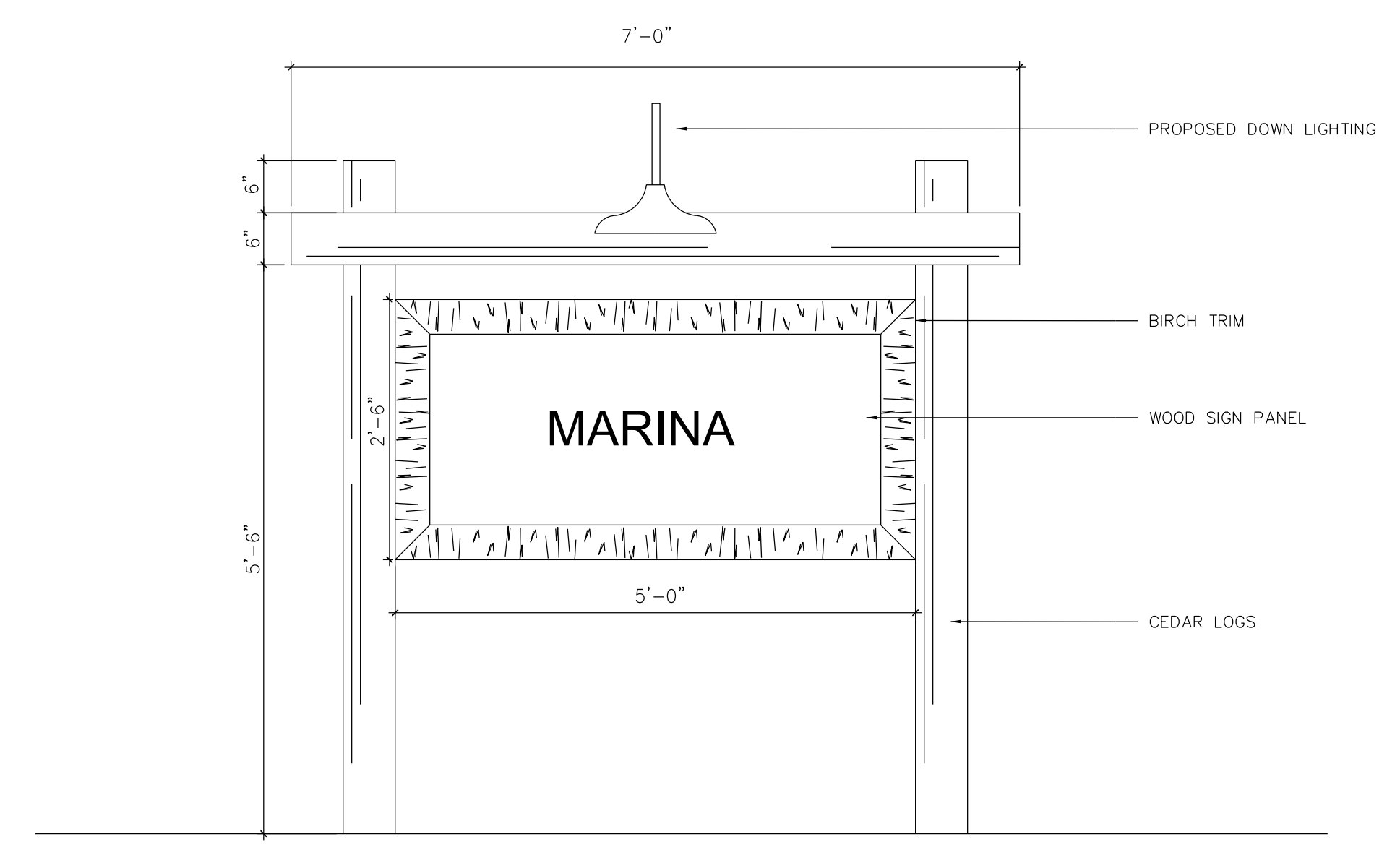
TITLE
SITE DETAILS
 SHEET
C51





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L.S. MARINA, LLC
SARANAC LAKE MARINA



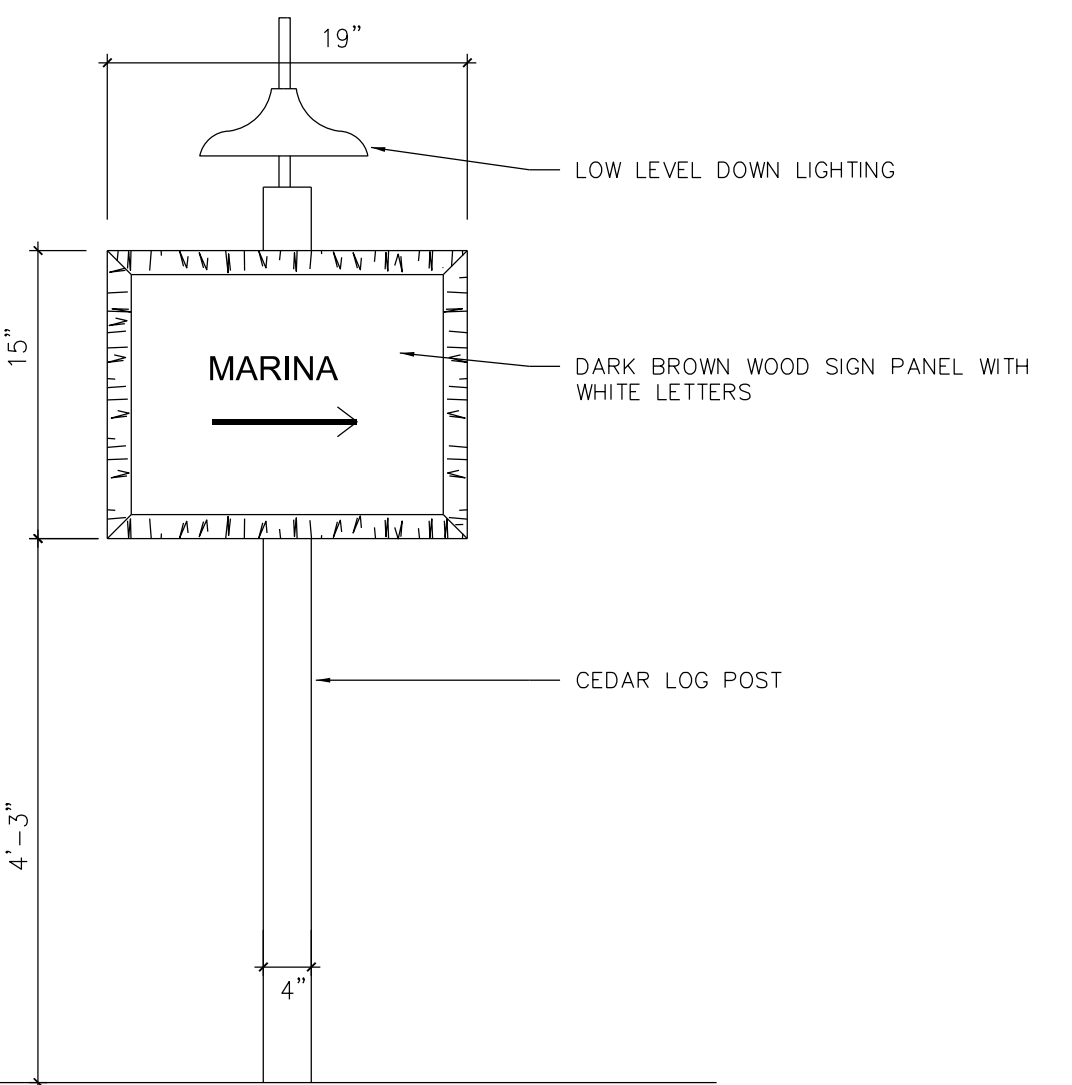
NOTES:

- SIGNAGE SHALL BE IN CONFORMANCE WITH TOWN STANDARDS.
- COLORS WILL BE NATURAL COLORS SUCH AS BROWNS, GREENS ETC.
- IF DESIRED, SIGN SHALL BE ILLUMINATED BY ARM-MOUNTED DOWN LIGHTING WITH FIXTURE SIMILAR TO THE "W527" MANUFACTURED BY "AMERICAN NAIL PLATE LIGHTING", WITH 70 WATT LAMPING. FIXTURE PLACEMENT SHALL TYPICALLY BE AS SHOWN.

1 ENTRY SIGN - ANNEX SCALE: NTS



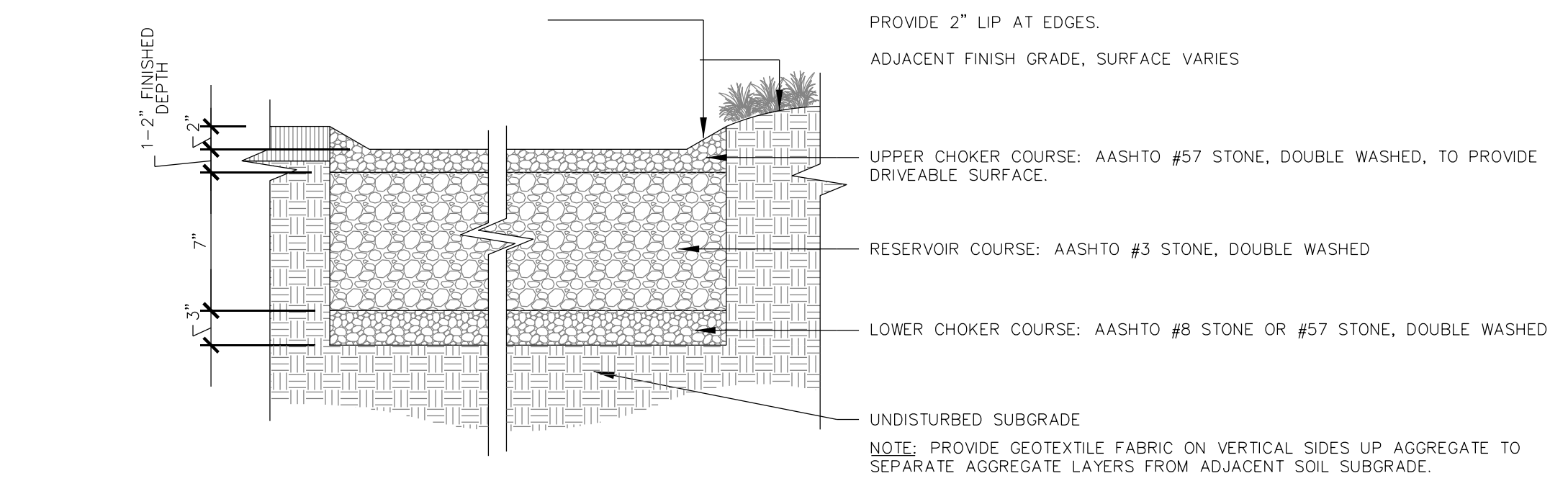
2 EXISTING SIGN - MAIN MARINA SCALE: NTS



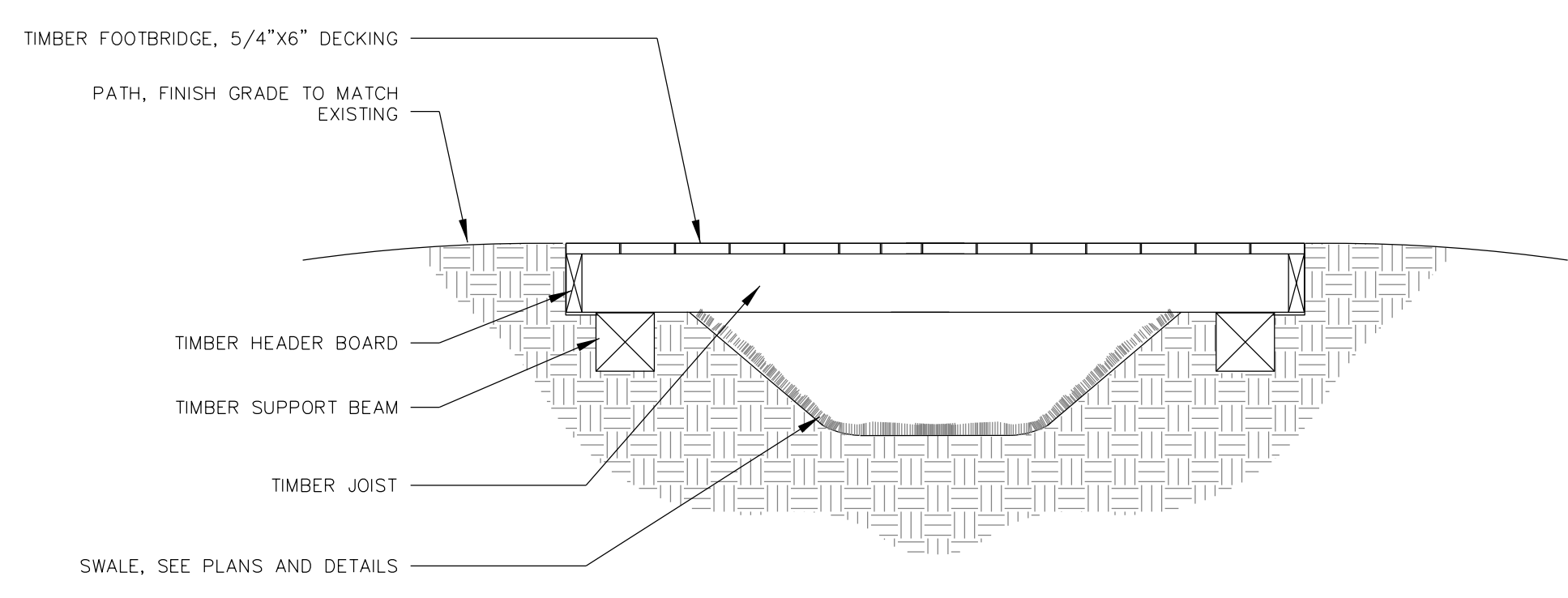
NOTES:

- SIGNAGE SHALL BE IN CONFORMANCE WITH TOWN STANDARDS.
- COLORS WILL BE NATURAL COLORS SUCH AS BROWNS, GREENS ETC.
- IF DESIRED, SIGN SHALL BE ILLUMINATED BY ARM-MOUNTED DOWN LIGHTING WITH FIXTURE SIMILAR TO THE "W527" MANUFACTURED BY "AMERICAN NAIL PLATE LIGHTING", WITH 70 WATT LAMPING. FIXTURE PLACEMENT SHALL TYPICALLY BE AS SHOWN.

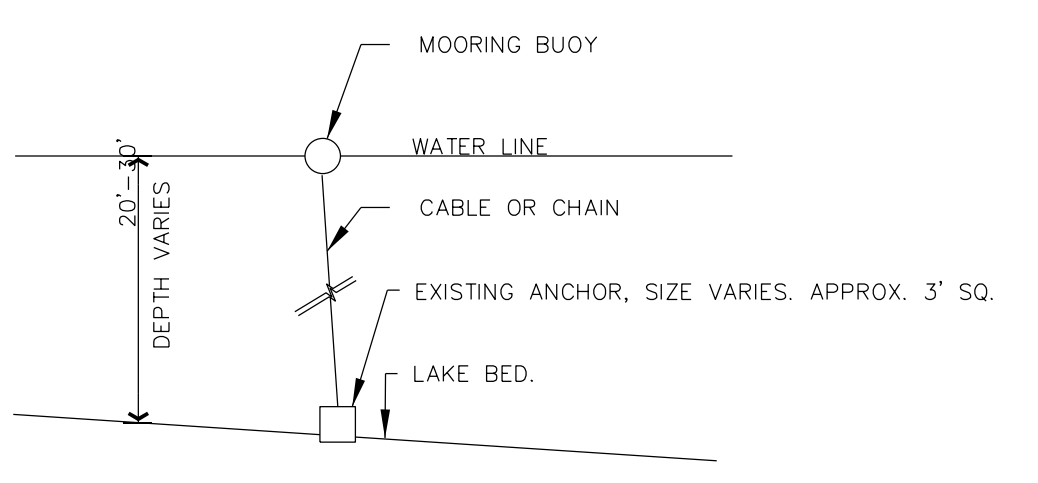
3 DIRECTIONAL SIGN - ANNEX SCALE: NTS



4 BOAT WASH PAD SCALE: NTS



5 TIMBER FOOT BRIDGE SCALE: NTS



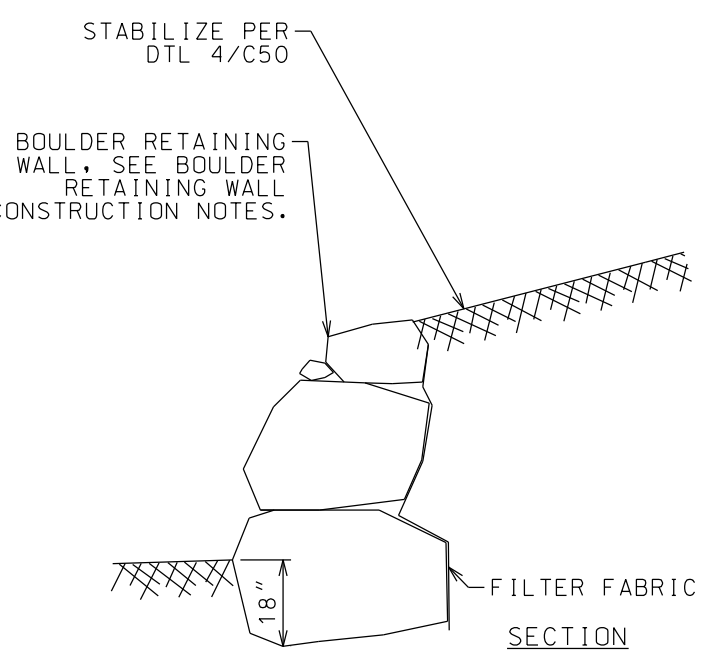
6 BUOY ANCHOR SCALE: NTS

BOULDER RETAINING WALL CONSTRUCTION NOTES:

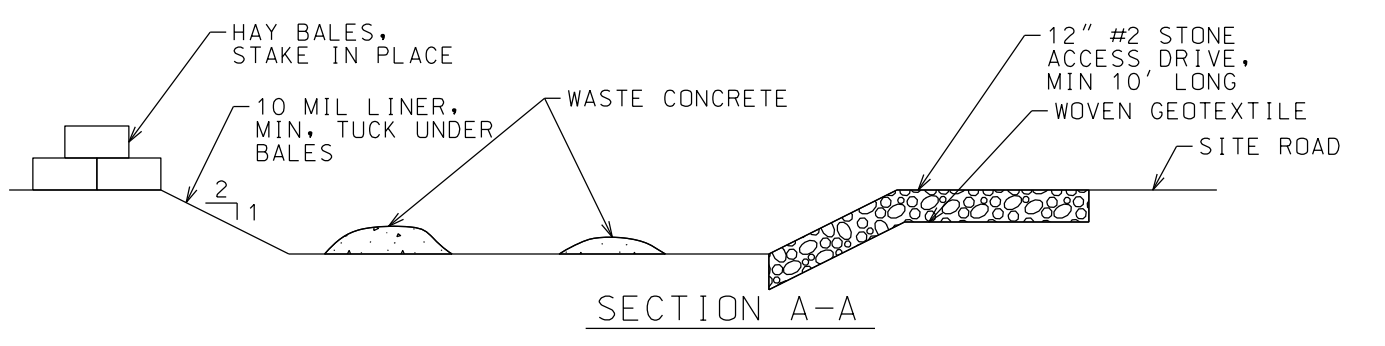
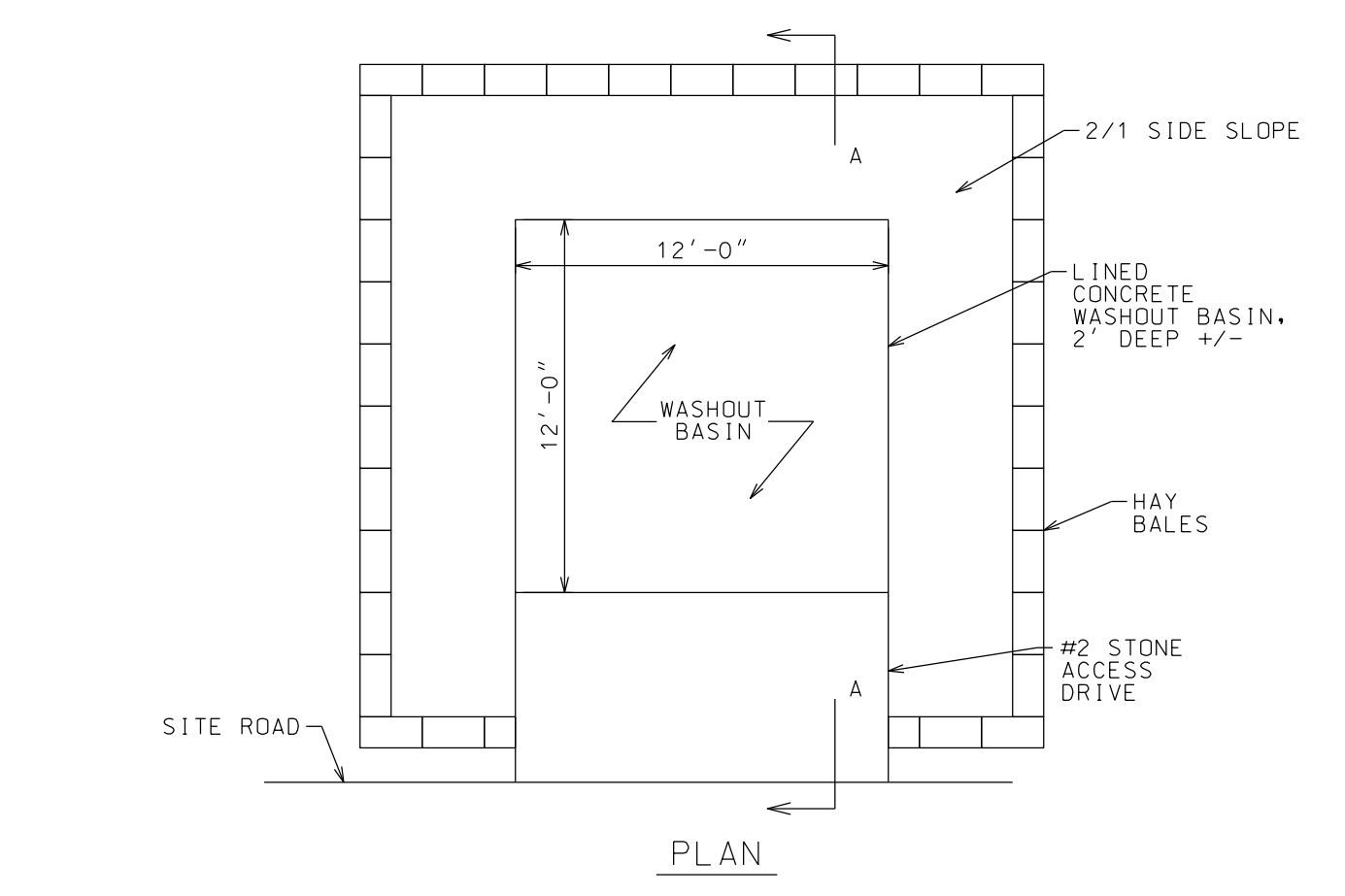
- ROCKS FOR BOTTOM COURSE OF WALL SHALL BE 1 1/2 CY MIN, 2 CY PREFERRED. SUCCESSIVE COURSES SHALL BE 1/2 CY MIN. SEDIMENTARY ROCKS SHALL NOT BE USED.
- BEFORE PLACING BOTTOM COURSE, REMOVE ANY ORGANIC MATERIAL AND COMPACT SOIL WITH A VIBRATORY PLATE TO THE SATISFACTION OF THE ONSITE INSPECTOR. SET BOTTOM COURSE 18" BELOW GRADE ON LOW SIDE.
- PLACE UNCLASSIFIED BACKFILL IN 12" LIFTS AND COMPACT WITH A VIBRATORY PLATE TO THE SATISFACTION OF THE ONSITE INSPECTOR. COMPACT FILL BEHIND AND ON TOP OF ROCKS BEFORE PLACING NEXT COURSE. BATTER ROCKS INTO SLOPE WITH EACH SUCCESSIVE COURSE.
- KEEP FILL MATERIAL AT JOINTS TO A MINIMUM. IF DIRECTED BY THE ENGINEER, MIX JOINT FILL WITH CEMENT OR MORTAR FOR BETTER ADHESION AND EROSION CONTROL.
- ALL COURSES SHALL BE LAID WITH BEARING BEDS PARALLEL TO THE NATURAL BED OF THE ROCKS.
- PLACE APPROVED FILTER FABRIC BEHIND ROCKS TO PREVENT FILL EROSION.

BACKFILL DEFINITIONS:

- UNCLASSIFIED BACKFILL BEHIND ROCKS WILL BE A BANK MATERIAL, FREE FROM FRIABLE OR SOLUBLE MATERIAL, AND EXCESSIVE ORGANIC MATTER, CAPABLE OF GROWING GRASS & GRADED TO THE FOLLOWING LIMITS:
 6 INCH+ 100% PASSING BY WEIGHT
 #200, 0-15% PASSING BY WEIGHT
- UNCLASSIFIED BACKFILL TO BE COMPACTED IN LIFTS OF NO MORE THAN 12". COMPACTON SHALL BE WITH A VIBRATORY PLATE AND COMPLETED TO THE SATISFACTION OF THE ONSITE INSPECTOR.



7 BOULDER RETAINING WALL SCALE: NTS



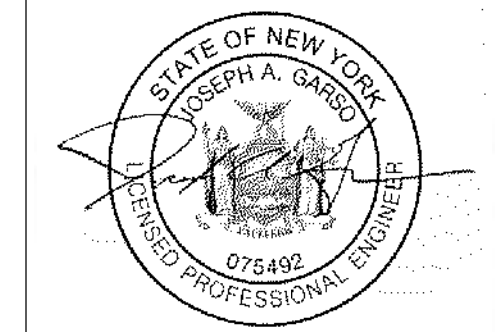
- NOTES:**
- LOCATE MIN 100' FROM WETLANDS, STREAMS, STORM DRAINS, SWALES, ETC.
 - GRADE SURROUNDING AREA TO PREVENT SURFACE WATER FROM ENTERING.
 - DAMAGED OR LEAKING FACILITY SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
 - EXCESS RAINWATER OVER HARDENED CONCRETE SHALL BE PUMPED TO STABILIZED AREA.
 - ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN BASIN 75% FULL.
 - DISPOSE OF HARDENED MATERIAL OFF-SITE AT C&D LANDFILL.
 - REPLACE PLASTIC LINER WITH EACH CLEANING OF BASIN.
 - UPON COMPLETION OF CONCRETE ACTIVITIES, REMOVE BASIN AND RESTORE AREA.
 - BASIN SHALL BE LOCATED IN STAGING AND STOCKPILE AREAS, OR AS DIRECTED BY OWNER.

8 CONCRETE WASHOUT BASIN NTS

WINTER STABILIZATION NOTES

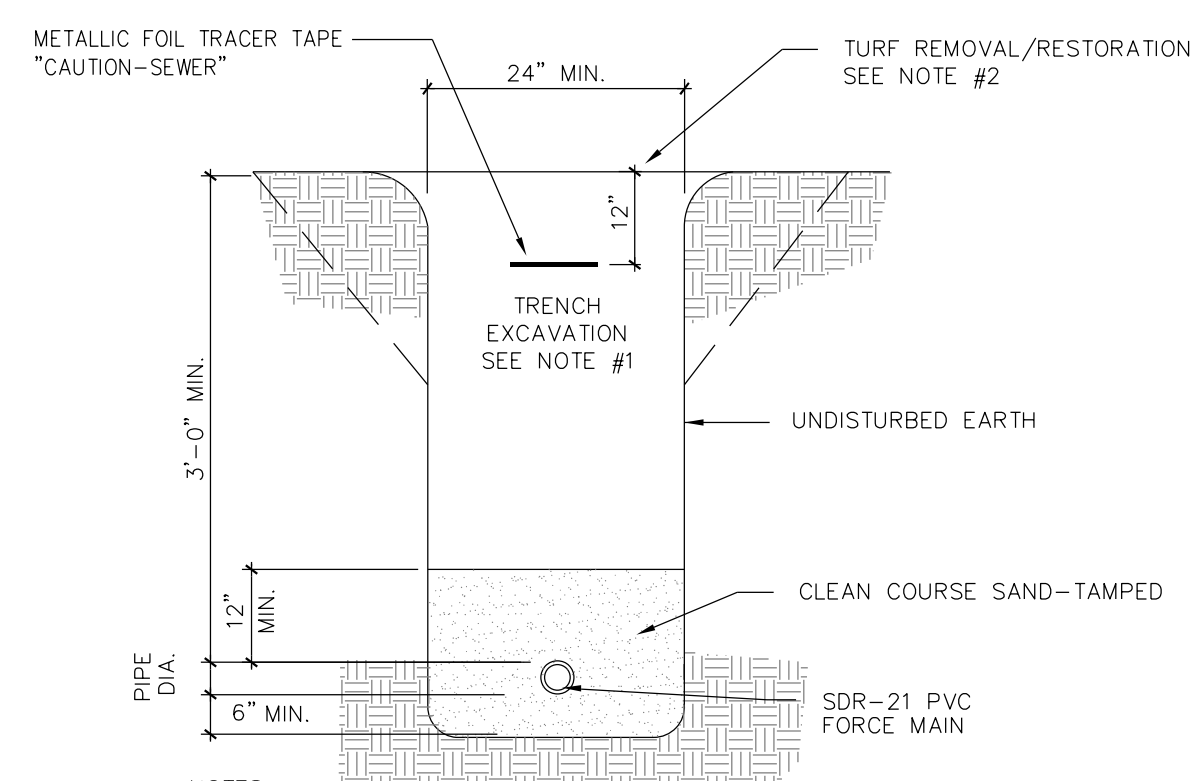
- WINTER STABILIZATION SHALL BE REQUIRED FOR ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.
- CONTRACTOR SHALL PREPARE A SNOW MANAGEMENT PLAN WITH ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER, REQUIRING CLEARED SNOW TO BE STORED IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.
- ENLARGE AND STABILIZE ACCESS POINTS TO PROVIDE FOR SNOW MANAGEMENT AND STOCKPILING. SNOW MANAGEMENT ACTIVITIES MUST NOT DESTROY OR DEGRADE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES.
- A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.
- EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET SHALL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART, INSTALLED ON THE CONTOUR.
- DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELT WATER, SHALL BE REMOVED.
- SEDIMENT BARRIERS MUST BE INSTALLED AT ALL APPROPRIATE PERIMETER AND SENSITIVE LOCATIONS. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED BEFORE THE GROUND FREEZES.
- SOIL STOCKPILES MUST BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED STRAW MULCH, ROLLED STABILIZATION MATTING, OR OTHER DURABLE COVERING. A BARRIER MUST BE INSTALLED AT LEAST 15 FEET FROM THE TOE OF THE STOCKPILE TO PREVENT SOIL MIGRATION AND TO CAPTURE LOOSE SOIL.
- IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES SHALL BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN THREE (3) DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 3 HORIZONTAL TO 1 VERTICAL OR STEEPER.
- IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHALL BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.
- TO ENSURE ADEQUATE STABILIZATION OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL SHALL BE STABILIZED AT THE END OF EACH WORK DAY UNLESS:
 A. WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
 B. THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATION EXCAVATIONS, OR WATER MANAGEMENT AREAS.
- USE STONE PATHS TO STABILIZE ACCESS PERIMETERS OF BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHALL BE A MINIMUM 10 FEET IN WIDTH BUT WIDER AS NECESSARY TO ACCOMMODATE EQUIPMENT.

PROJECT NAME		
LOCATION		
4901 NYS ROUTE 3 SARANAC LAKE, NEW YORK		
DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
DRAWN BY: BMD/KMR		
CHECKED BY: JA GARSO		
PROJECT #: 19-061		
ORIGINAL 24"x36"		
TITLE		
SITE DETAILS		
SHEET		
C52		



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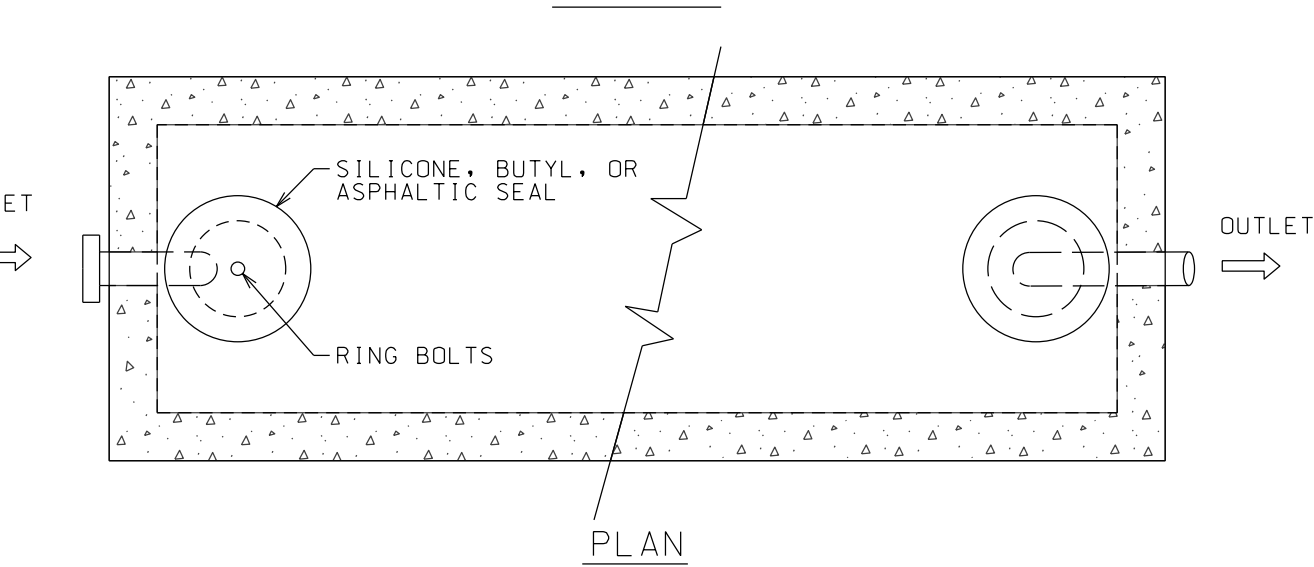
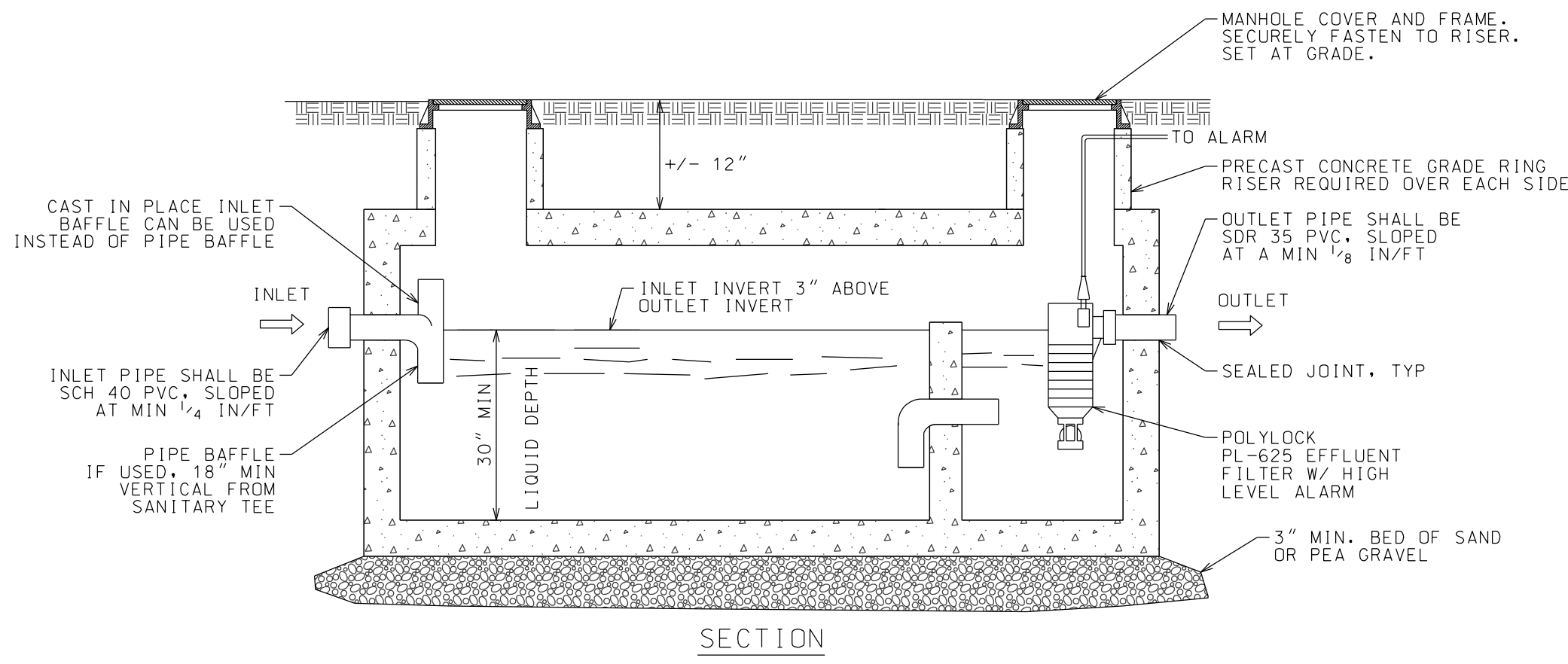
L.S. MARINA, LLC
SARANAC LAKE MARINA



- NOTES:**
- THE EXCAVATED TRENCH MATERIAL SHALL BE DEPOSITED AT THE SIDES OF THE TRENCHES AND USED FOR BACKFILL UNLESS DECLARED TO BE UNSUITABLE. UNSUITABLE EXCAVATED MATERIAL SUCH AS PEAT, MUCK, ROCK, ETC. SHALL BE REMOVED FROM THE SITE.
 - THE EXISTING TOPSOIL SHALL BE CAREFULLY REMOVED AND CAST ASIDE IN SEPARATE PILES TO BE USED FOR TURF RESTORATION.

1 FORCE MAIN TRENCH DETAIL

SCALE: NTS

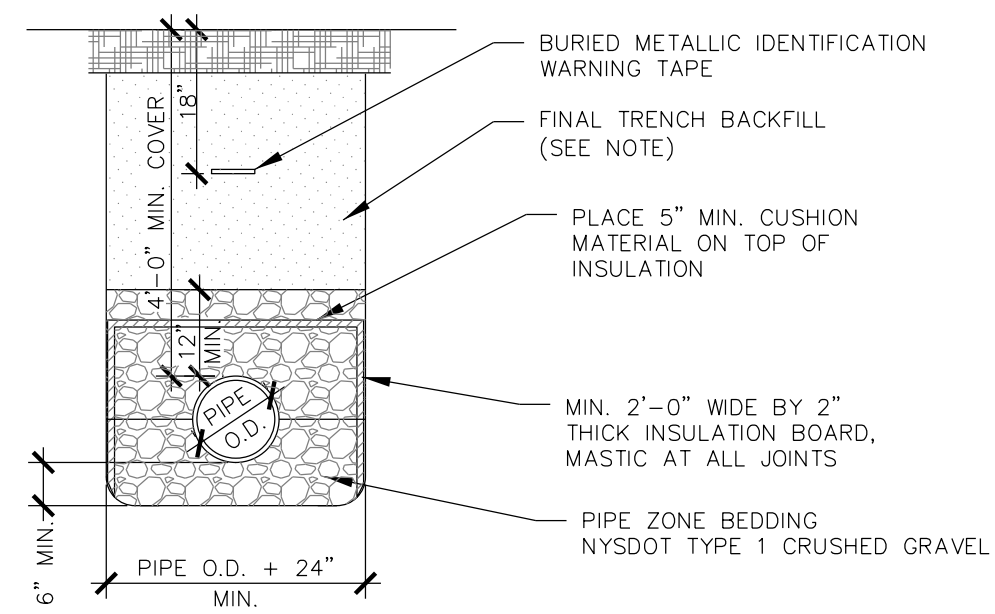


- NOTES:**
- MIN OF 6" WALL THICKNESS FOR CAST-IN-PLACE CONCRETE.
 - MIN TOTAL CAPACITY AS SHOWN ON PROJECT PLANS. SINGLE COMPARTMENT TANKS IN SERIES MAY BE INSTALLED AS AN ALTERNATE TO ONE DUAL COMPARTMENT TANK.
 - DUAL COMPARTMENT TANKS ARE REQUIRED ON ALL TANKS WITH AN INTERIOR LENGTH OF 10 FT OR MORE.
 - THE FIRST COMPARTMENT OR TANK (INLET SIDE) SHALL ACCOUNT FOR 60-75% OF THE REQUIRED TOTAL DESIGN VOLUME.
 - THE BAFFLE SEPARATING THE COMPARTMENTS SHALL EXTEND FROM THE BOTTOM OF THE TANK TO AT LEAST 6 INCH ABOVE THE INVERT OF THE OUTLET PIPE.
 - COMPARTMENTS SHALL BE CONNECTED BY A 4 INCH VERTICAL SLOT AT LEAST 18 INCHES IN WIDTH, A 6 INCH ELBOW, OR TWO 4 INCH ELBOWS LOCATED AT A DISTANCE BELOW THE LIQUID LEVEL EQUAL TO ONE-THIRD THE DISTANCE BETWEEN THE INVERT OF THE OUTLET AND THE BOTTOM OF THE TANK.
 - AT LEAST ONE ACCESS MANHOLE SHALL BE PROVIDED INTO EACH COMPARTMENT.
 - TANKS IN SERIES SHALL BE CONNECTED BY A SINGLE PIPE WITH A MIN DIAMETER OF 4 INCHES.
 - TANK COVERS SHALL ALWAYS BE ACCESSIBLE. WHERE MANHOLES ARE MORE THAN 12 INCHES BELOW FINAL GRADE, AN EXTENSION COLLAR SHALL BE PROVIDED OVER EACH OPENING. EXTENSION COLLARS SHALL NOT BE BROUGHT FLUSH WITH THE GROUND SURFACE UNLESS THE COVER CAN BE LOCKED TO PREVENT TAMPERING.

4 DUAL COMPARTMENT SEPTIC TANK

SCALE: NTS

- NOTES:**
- FINAL TRENCH BACKFILL
 - IN NON-PAVED AREAS, FINAL TRENCH BACKFILL SHALL BE EXCAVATED MATERIAL WHEN DETERMINED SUITABLE BY THE ENGINEER OF RECORD; OTHERWISE IT SHALL BE NYS DOT TYPE 1 (ITEM NO. 304.02). MIN. MOD. PROCTOR DENSITY SHALL BE 85 PERCENT.
 - IN PAVED AREAS, FINAL TRENCH BACKFILL SHALL BE NYS DOT TYPE 1 (ITEM NO. 304.02). MIN. MODIFIED PROCTOR DENSITY SHALL BE 95 PERCENT.
 - ALL PIPE ZONE BEDDING, PIPE ZONE BACKFILL, AND FINAL TRENCH BACKFILL SHALL BE PLACED IN 6 INCH MAX. COMPACTED LIFTS. ALL BEDDING AND BACKFILL MATERIALS SHALL BE MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER.
 - EXCAVATION SHALL BE KEPT DRY AND DEWATERED AT ALL TIMES.
 - PROVIDE INSULATION WHEREVER COVER IS LESS THAN 4'.

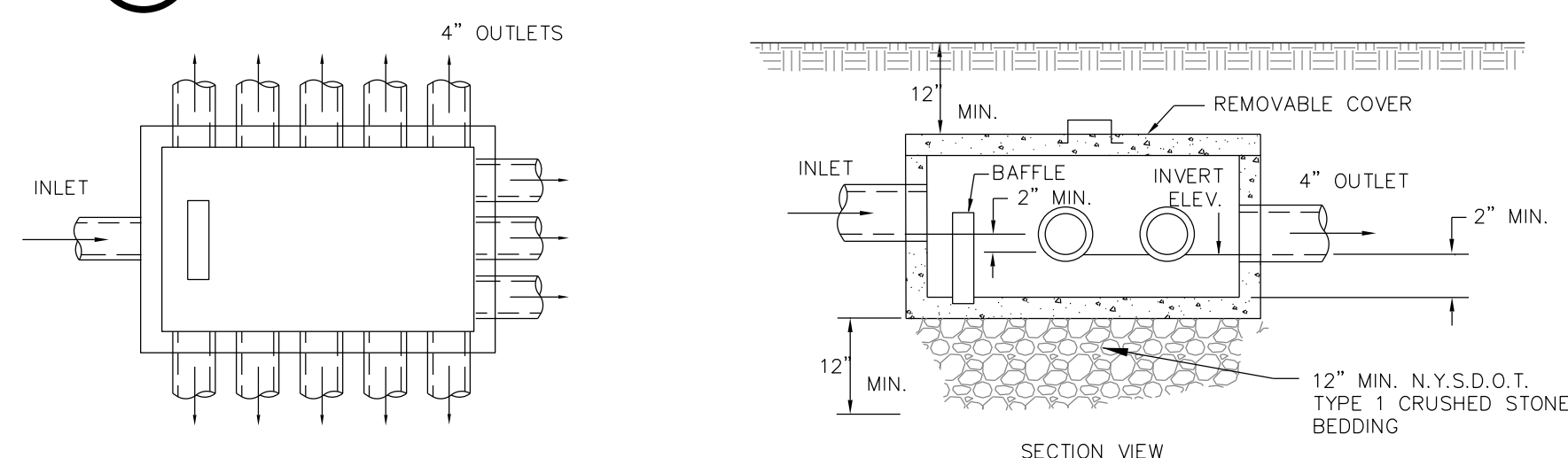


2 PIPE TRENCH DETAIL

SCALE: NTS

5 NOT USED

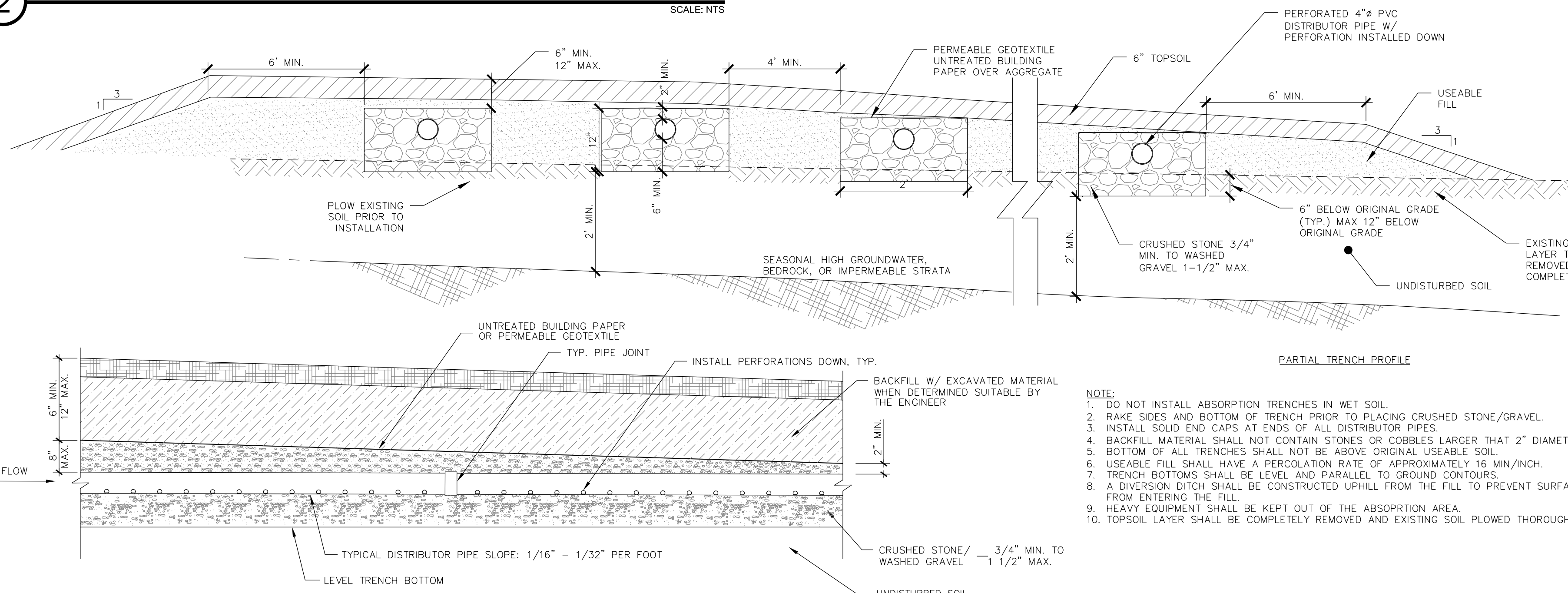
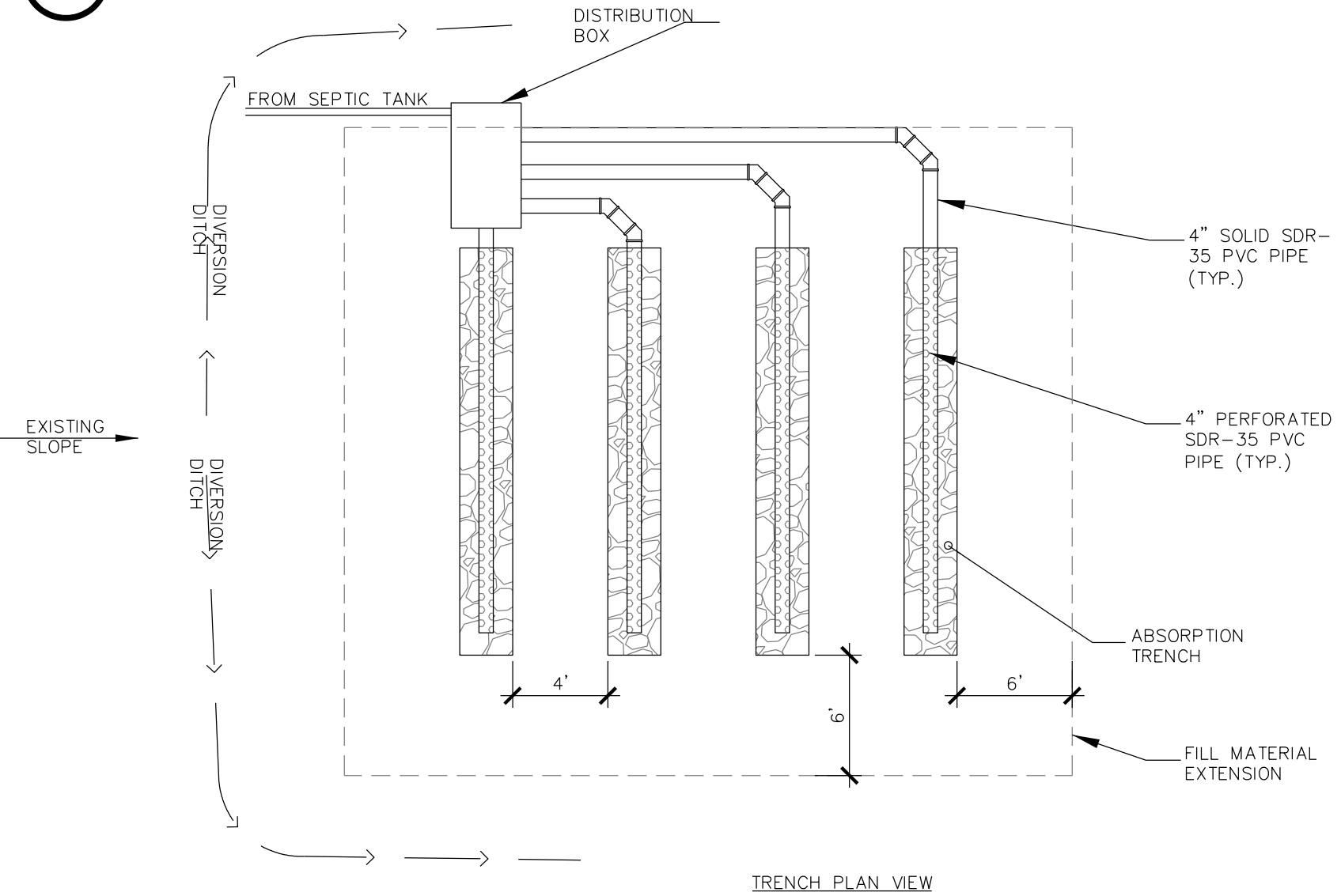
SCALE: NTS



- PLAN VIEW NOTES:**
- PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUIVALENT.
 - INVERT ELEVATIONS OF ALL OUTLET PIPES MUST BE EQUAL. USE OF SPEED LEVELING DEVICES IS RECOMMENDED.
 - THE SLOPE OF OUTLET PIPES BETWEEN THE DISTRIBUTION BOX AND DISTRIBUTOR LATERALS SHOULD BE AT LEAST 1/32" PER FOOT.
 - BAFFLE REQUIRED IF INLET PIPE SLOPE EXCEEDS 1/2" PER FOOT.

6 D-13 DISTRIBUTION BOX

SCALE: NTS



3 SHALLOW ABSORPTION TRENCH DETAILS

SCALE: NTS

PROJECT NAME

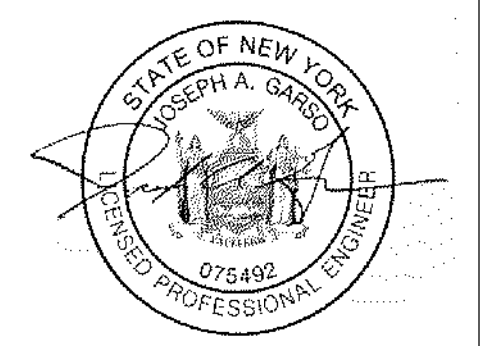
LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

DRAWN BY: BMD/KMR
CHECKED BY: JA GARSO
PROJECT #: 19-061
ORIGINAL 24"x36"

UTILITY DETAILS

SHEET



WARNING: IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON UNLICENSED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER ANY ITEM IN ANY WAY. IF ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE AND THE DATE OF ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

L.S. MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME

LOCATION
4901 NYS ROUTE 3
SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

NO. OF BEDROOMS:	4	
DESIGN FLOW:	110 GPD/BR	(NYSDOH APP 75-A)
	440 GPD	
SEPTIC TANK:	1250 GALLONS	
OFFICE		
NO. OF EMPLOYEES	11	
DESIGN FLOW	15 GPD/EMPLOYEE	(NYSDEC INT. SIZED WASTEWATER SANDARDS)
	165 GPD	
SEPTIC TANK:	1000 GALLONS	
MAINT. GARAGE	1	
DESIGN FLOW	15 GPD/EMPLOYEE	(NYSDEC INT. SIZED WASTEWATER SANDARDS)
	15 GPD	

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE

UTILITY DETAILS

SHEET

C54

UTILITY NOTES

PRESSURE SEWER INSTALLATION NOTES:

1. THE DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THE PROPOSED PRESSURE SEWER SYSTEM AS SHOWN ON THESE PLANS.
2. ALL VALVE BOXES ARE TO BE BROUGHT TO GRADE, FLUSH IN PAVEMENT, +0.1 FEET IN GRASSED AREAS.
3. ALL TEES AND BENDS TO HAVE A SOLID CONCRETE BLOCK (4"x8"x12") FOR THRUST RESTRAINT.

PUMP STATION NOTES:

1. PUMPS
 - 1.1. PROVIDE VERTICAL, SUBMERSIBLE, WASTEWATER EFFLUENT PUMPS HAVING CAPACITY AS SHOWN OR INDICATED.
 - 1.2. PROVIDE IMPELLERS, SINGLE VANE TYPE, OF REQUIRED DIAMETER AND BALANCED BOTH STATICALLY AND DYNAMICALLY.
 - 1.3. PROVIDE OPENINGS, INTERNAL PASSAGES, AND INTERNAL RECIRCULATION PORTS LARGE ENOUGH TO PERMIT PASSAGE OF 3/4" DIAMETER SOLIDS.
2. PUMP MOTORS
 - 2.1. PROVIDE VERTICAL MOTORS, CLOSE-COUPLED TO PUMP. THERMAL OVERLOAD PROTECTION OVER ENTIRE OPERATING RANGE.
3. PUMP CHAMBER
 - 3.1. PROVIDE A PRECAST H2O RATED CONCRETE PUMP CHAMBER AS INDICATED.
 - 3.2. CONSTRUCT PIPE, FITTINGS, AND VALVES WITHIN PUMP CHAMBER OF SCH 80 PVC, AND PROVIDE JOINTS TO FIELD CONNECTIONS.
4. CONTROLS
 - 4.1. CONTROL ON-OFF CYCLE OF EACH PUMP AUTOMATICALLY, IN ACCORDANCE WITH FLOW REQUIREMENTS, WITH A FLOAT SWITCH CONTROL SYSTEM. THE LEVEL CONTROL SYSTEM SHALL BE INTRINSICALLY SAFE OR EXPLOSION PROOF. PROVIDE AUTOMATIC CONTROL TO OPERATE BOTH PUMPS IN PARALLEL, IF WET WELL LEVEL RISES ABOVE STARTING POINT OF LOW LEVEL PUMP; WITH BOTH PUMPS OPERATING UNTIL SHUTOFF LEVEL IS REACHED. PROVIDE AUTOMATIC ALTERNATOR, WITH MANUAL DISCONNECT SWITCH, TO CHANGE SEQUENCE OF LEAD-LAG PUMPS AT COMPLETION OF EACH PUMPING CYCLE. PROVIDE MAGNETIC ACROSS-THE-LINE STARTERS WITH UNDER-VOLTAGE RELEASE, THERMAL OVER-LOAD HEATER COILS IN EACH PHASE, MANUAL RESET BUTTONS, AND HANDS-OFF-AUTOMATIC SELECTOR SWITCHES TO CONTROL OPERATION OF EACH PUMP. PROVIDE CIRCUIT BREAKERS TO PROVIDE PROTECTION FOR EACH STARTER, WITH ACCESSIBLE CONTROL FROM PANEL FACE WITHOUT OPENING COVER.
 - 4.2. PROVIDE 110-VOLT ACCESSORY CONTROLS WITH 15-AMP SINGLE PHASE CIRCUIT BREAKERS FOR EACH ITEM; WITH ACCESSIBLE CONTROL FROM PANEL FACE WITHOUT OPENING COVER.
 - 4.3. PROVIDE CONTROL PANEL, NEMA TYPE 4 ENCLOSURE, WITH SEPARATE COMPARTMENTS AND COVERS FOR STARTERS AND BREAKERS, TRANSFORMER, ALTERNATOR, AND SINGLE PHASE CONTROLS. PROVIDE LABELS ON PANEL FACE TO IDENTIFY SWITCHES AND CONTROLS.
 - 4.4. ACCESSORIES
 - 5.1. VENTILATION - PROVIDE A 4" MINIMUM DIAMETER VENT WITH RETURN BEND AND BIRD SCREEN.
 - 5.2. HIGH-WATER AUDIO ALARM - PROVIDE HIGH-WATER ALARM HORN TO GIVE AUDIO INDICATION OF STATION HIGH-WATER LEVEL, ENERGIZING BY SEPARATE LEVEL-DETECTING DEVICE. PROVIDE ALARM SILENCER SWITCH AND RELAY IN STATION.
 - 5.3. ELAPSED TIME METER TO RECORD TOTAL PUMP RUN TIME.
 - 5.4. REMOTE ALARM CIRCUIT - PROVIDE ALARM CONTACT FOR CONNECTION TO REMOTE ALARM PANEL TO INDICATE HIGH WATER IN STATION.
 - 5.5. CONNECTION FOR PORTABLE GENERATOR - PROVIDE MANUAL TRANSFER SWITCH WITH PORTABLE GENERATOR PLUG, TO PERMIT OPERATION OF PUMP STATION WITH PORTABLE ELECTRIC GENERATOR.
6. INSTALLATION AND TESTING:
 - 6.1. INSTALL PUMP STATION COMPONENTS ACCORDING TO MANUFACTURER'S INSTRUCTIONS. START-UP AND FIELD TESTING SHALL BE PROVIDED BY THE MANUFACTURER.
7. OPERATION AND MAINTENANCE:
 - 7.1. PROVIDE COPIES OF THE OPERATION AND MAINTENANCE MANUAL.
8. WARRANTY:
 - 8.1. PROVIDE A PARTS AND LABOR WARRANTY ON THE COMPLETE STATION AND ACCESSORIES FOR A PERIOD OF 2 YEARS FOLLOWING OWNER'S ACCEPTANCE.

SEPTIC SYSTEM CONSTRUCTION NOTES:

1. HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE SEPTIC DISPOSAL AREA.
2. THE SEPTIC TANK SHALL BE PRE-CAST CONCRETE AS MANUFACTURED BY THE FORT MILLER CO. OR EQUIVALENT.
3. SEPTIC TANK TO BE SET LEVEL ON 12" LAYER OF COMPACTED GRAVEL OR STONE.
4. SEPTIC TANK TO HAVE SCH 40 PVC "1" AT INLET AND OUTLET.
 - INLET 16" BELOW FLOW LINE, 6" ABOVE FLOW LINE.
 - OUTLET 18" BELOW FLOW LINE, 6" ABOVE FLOW LINE.
 - 3" AIR SPACE ABOVE TEE TO TOP OF TANK.
5. BUILDING TO SEPTIC TANK: 4" PVC SDR-35 PIPE WITH TIGHT JOINTS, MINIMUM SLOPE = 1/8" PER FOOT.
6. SEPTIC TANK TO PUMP CHAMBER: 4" PVC SCHEDULE 40 PIPE, TIGHT JOINTS, MIN. SLOPE = 1/8" PER FOOT.
7. SANITARY DISPOSAL FIELD: 1" PERFORATED PLASTIC PIPE, INSTALLED LEVEL, AND CAP ALL ENDS.
8. A PERMEABLE GEOTEXTILE OR UNTREATED BUILDING PAPER OR STRAW SHALL BE PLACED OVER THE ABSORPTION AREA TO PREVENT THE INFILTRATION OF FINES INTO THE AGGREGATE.
9. A MINIMUM OF SIX INCHES OF FILL SHALL BE PLACED OVER THE TOP OF THE ABSORPTION AREA, TAKING CARE NOT TO DRIVE OVER THE DISTRIBUTION TRENCHES. THE ENTIRE ABSORPTION AREA SHALL BE COVERED WITH TOP SOIL AND SEEDED TO GRASS.
10. NOTIFY ENGINEER PRIOR TO INSTALLATION OF THE SYSTEM TO REVIEW INSTALLATION AND INSPECTION PROCEDURES.
11. NO ROOF, FOOTING, FLOOR, COOLING WATER, BACKWASH DRAINS, ETC., SHALL BE CONNECTED TO THE SEWAGE SYSTEM.
12. THERE SHALL BE NO CONSTRUCTION OF SANITARY FACILITIES (SEPTIC SYSTEM) WITHIN 100' OF A CLASSIFIED BODY OF WATER.

SEWER SYSTEM NOTES:

1. MANHOLE FRAMES AND COVERS SHALL BE EJ#132221 OR APPROVED EQUAL. THE COVER SHALL BE EMBOSSED WITH "SANITARY SEWER". PROVIDE (4) 3/8" DIA. VENT HOLES IN COVER.
2. ALL SEWER PIPING AND FITTINGS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PVC PIPE, ASTM DESIGNATION D-3034-78 OR LATEST REVISION AND TO THE DIMENSIONS AND TOLERANCES OF CLASSIFICATION SDR-35 WITH SINGLE GASKET PUSH-ON JOINTS.
3. PRODUCT DATA INFORMATION AND SHOP DRAWINGS FOR MATERIALS PROPOSED FOR USE BY THE CONTRACTOR SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY ORDERS FOR SAID MATERIALS.
4. LEAKAGE OUTWARD OR INWARD SHALL NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM. LEAKAGE TEST SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET.

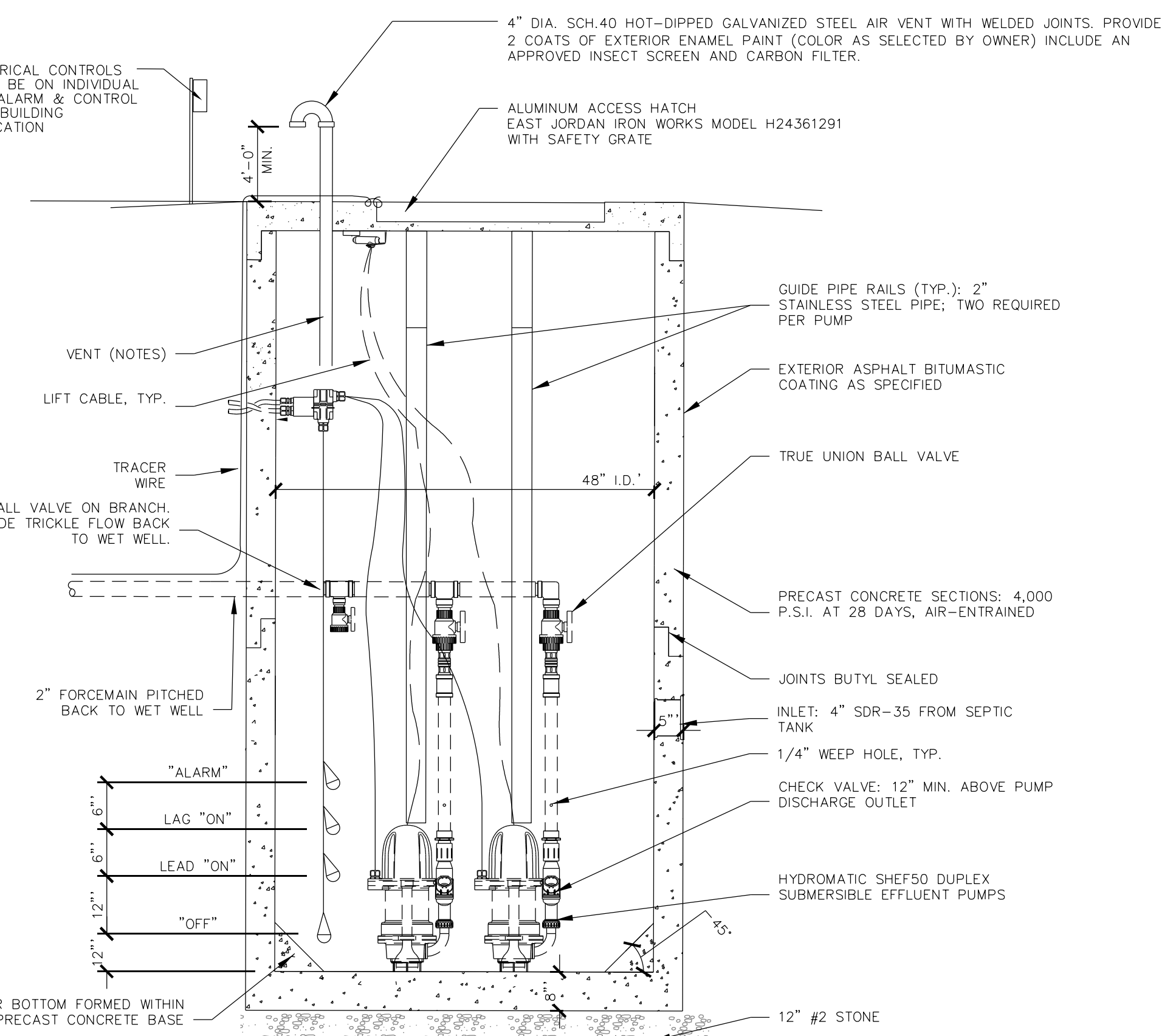
BASIS OF DESIGN

SINGLE FAMILY HOME:

NO. OF BEDROOMS:	4	
DESIGN FLOW:	110 GPD/BR	(NYSDOH APP 75-A)
	440 GPD	
SEPTIC TANK:	1250 GALLONS	
OFFICE		
NO. OF EMPLOYEES	11	
DESIGN FLOW	15 GPD/EMPLOYEE	(NYSDEC INT. SIZED WASTEWATER SANDARDS)
	165 GPD	
SEPTIC TANK:	1000 GALLONS	
MAINT. GARAGE	1	
DESIGN FLOW	15 GPD/EMPLOYEE	(NYSDEC INT. SIZED WASTEWATER SANDARDS)
	15 GPD	

ABSORPTION TRENCH SIZING:

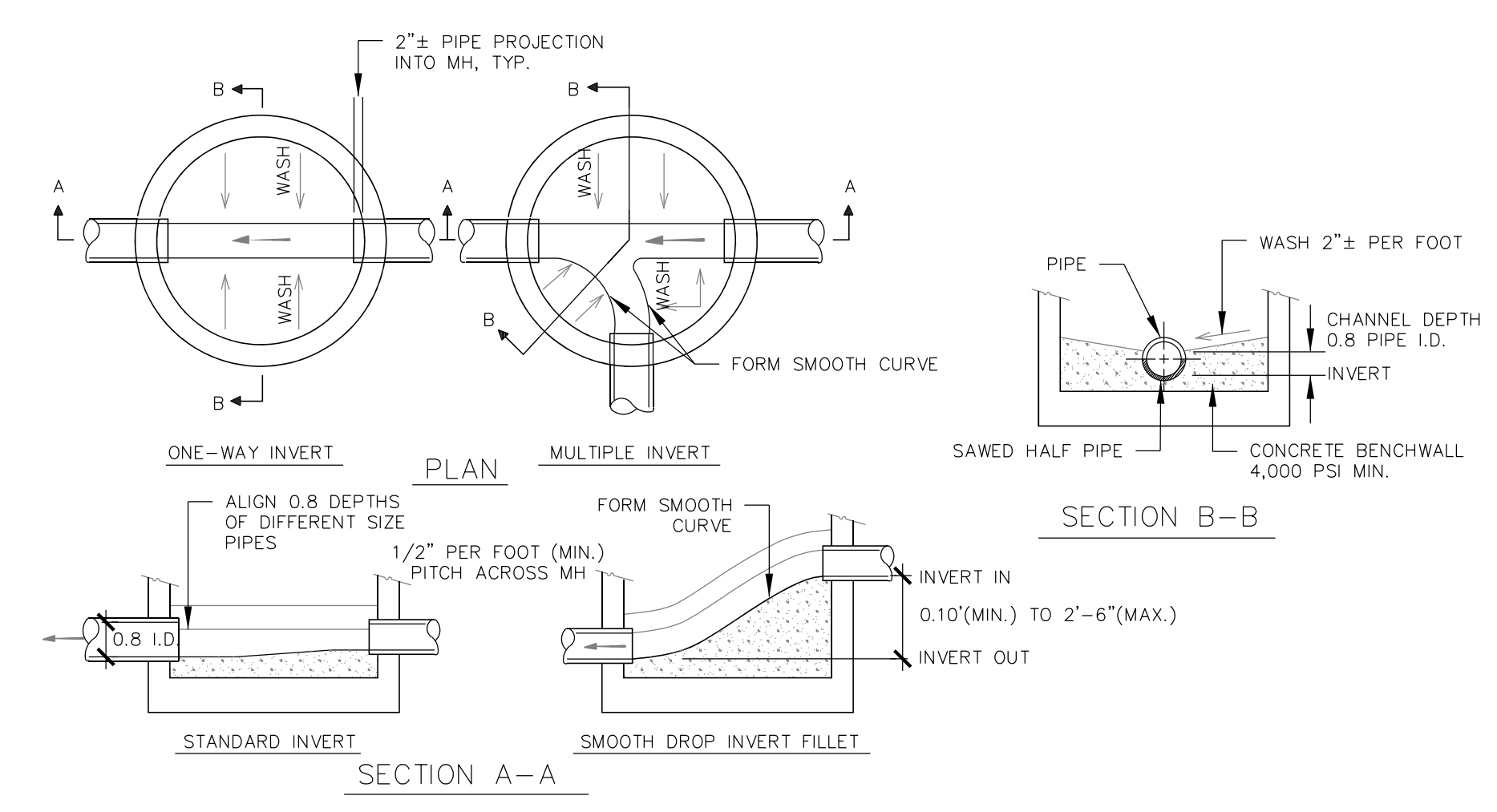
PERCOLATION RATE:	16-20 MIN/INCH
APPLICATION RATE:	0.70 GPD/SF
REQUIRED TRENCH LENGTH:	443 LF TOTAL (2' WIDE TRENCH)
DESIGN:	
TOTAL TRENCH LENGTH:	8 TRENCHES @56 LF 448 LF



- NOTES:
1. HYDROMATIC PUMPS & CONTROLS AVAILABLE FROM EMMONS PUMP & CONTROL, INC. 1-800-540-8228. THIS PRODUCT WAS SELECTED BASED ON THE DESIGN CRITERIA, SITE CONDITIONS, AND LOCAL AVAILABILITY. SUBSTITUTION OF OTHER BRAND EQUIPMENT WILL BE ALLOWED IF SHOWN TO BE EQUIVALENT.
 2. PUMP MOTOR SHALL BE POWERED FROM A DEDICATED CIRCUIT, SEPARATE FROM ALARM.
 3. PITCH PRESSURE PIPE BACK TO PUMP PIT TO DRAIN.
 4. PROVIDE DUPLEX PUMP EQUIPMENT AND CONTROL PANEL.
 5. PROVIDE STRUCTURAL BALLAST FOR ANTI-FLOTATION OF PIT.
 6. VALVES AND PIPING TO BE SCH-80 PVC INSIDE OF PUMP PIT.

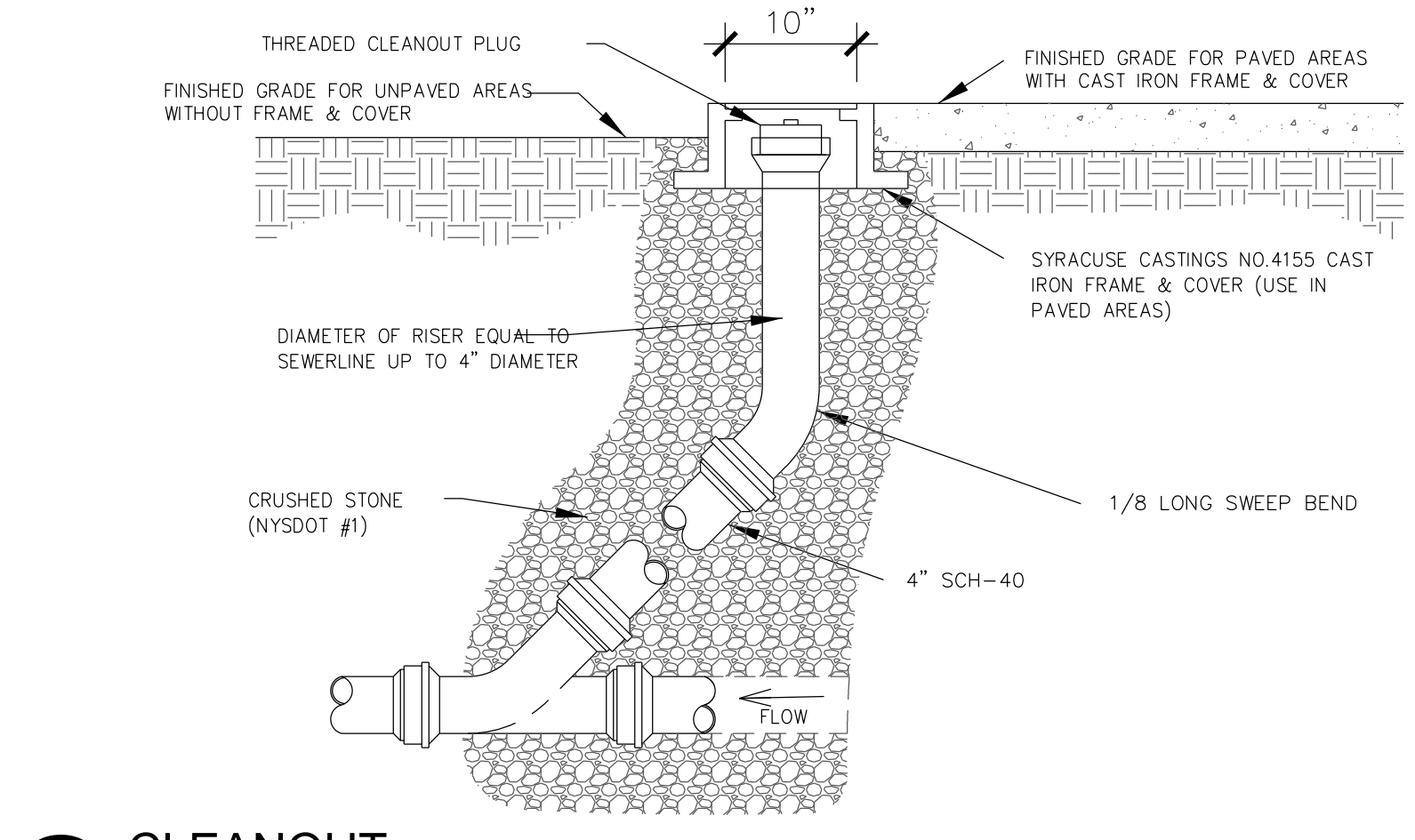
4 DUPLEX PUMP STATION

SCALE: NTS



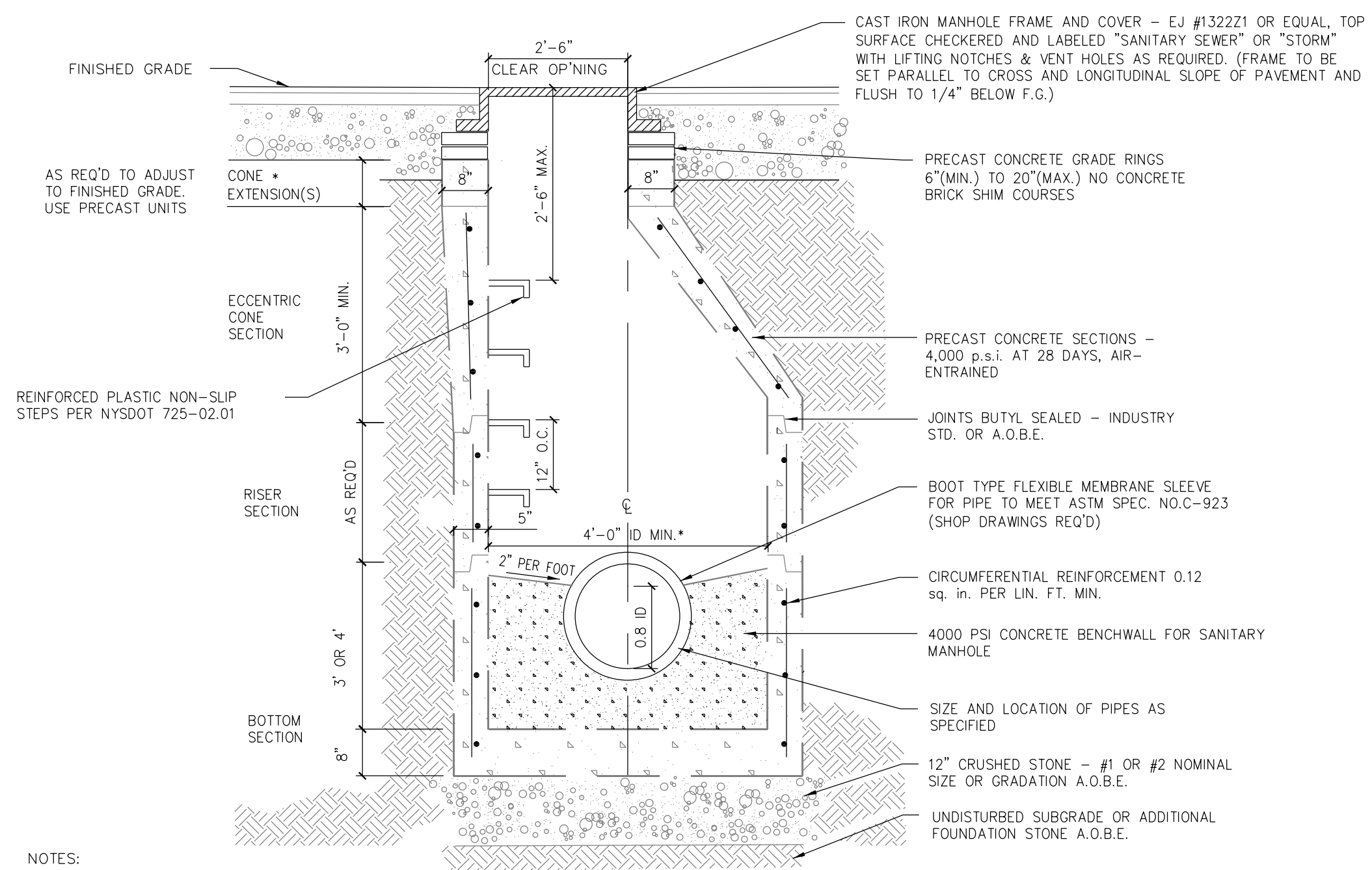
5 MAHMHOLE BENCH

SCALE: NTS



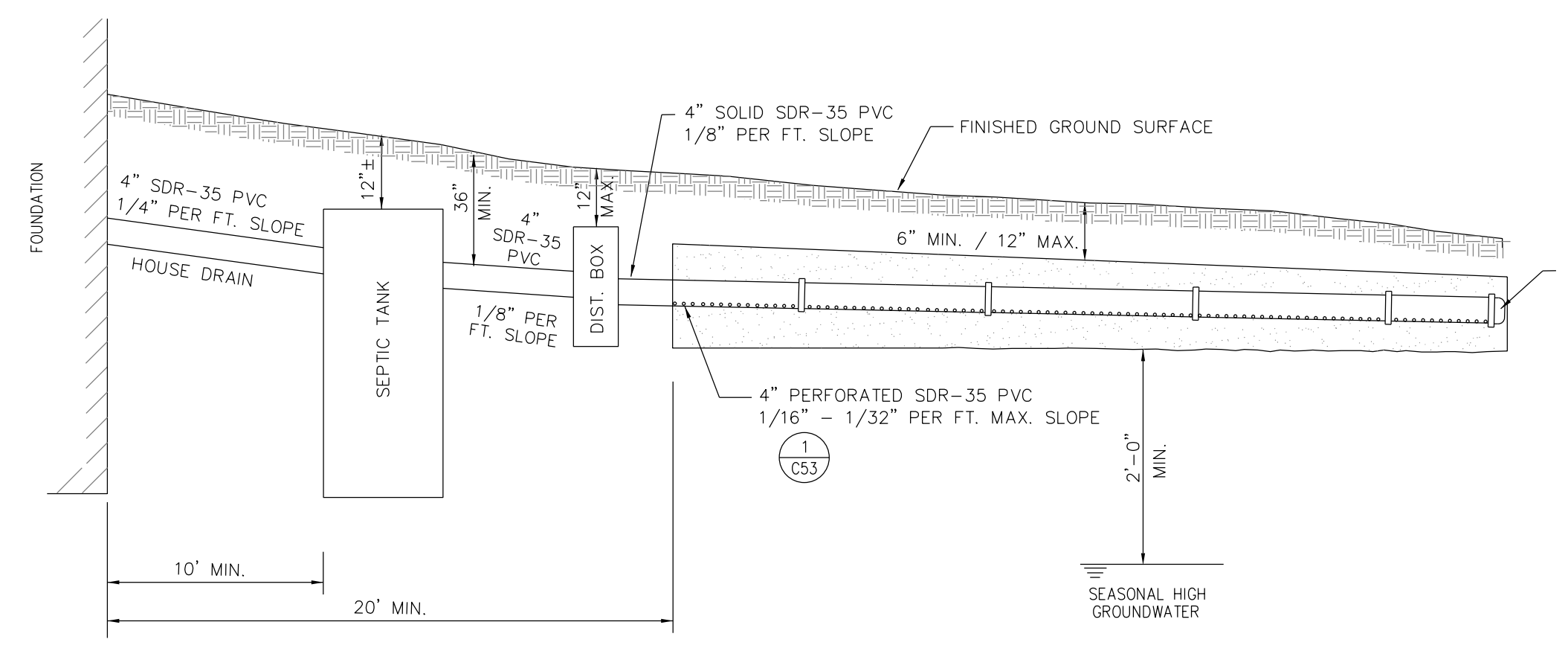
1 CLEANOUT

SCALE: NTS



2 MANHOLE

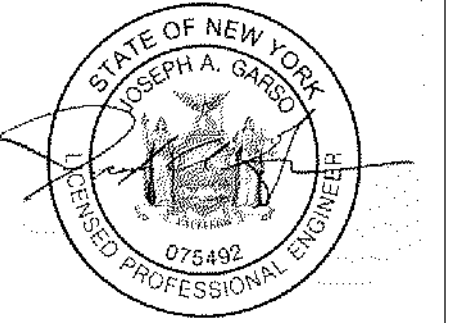
SCALE: NTS



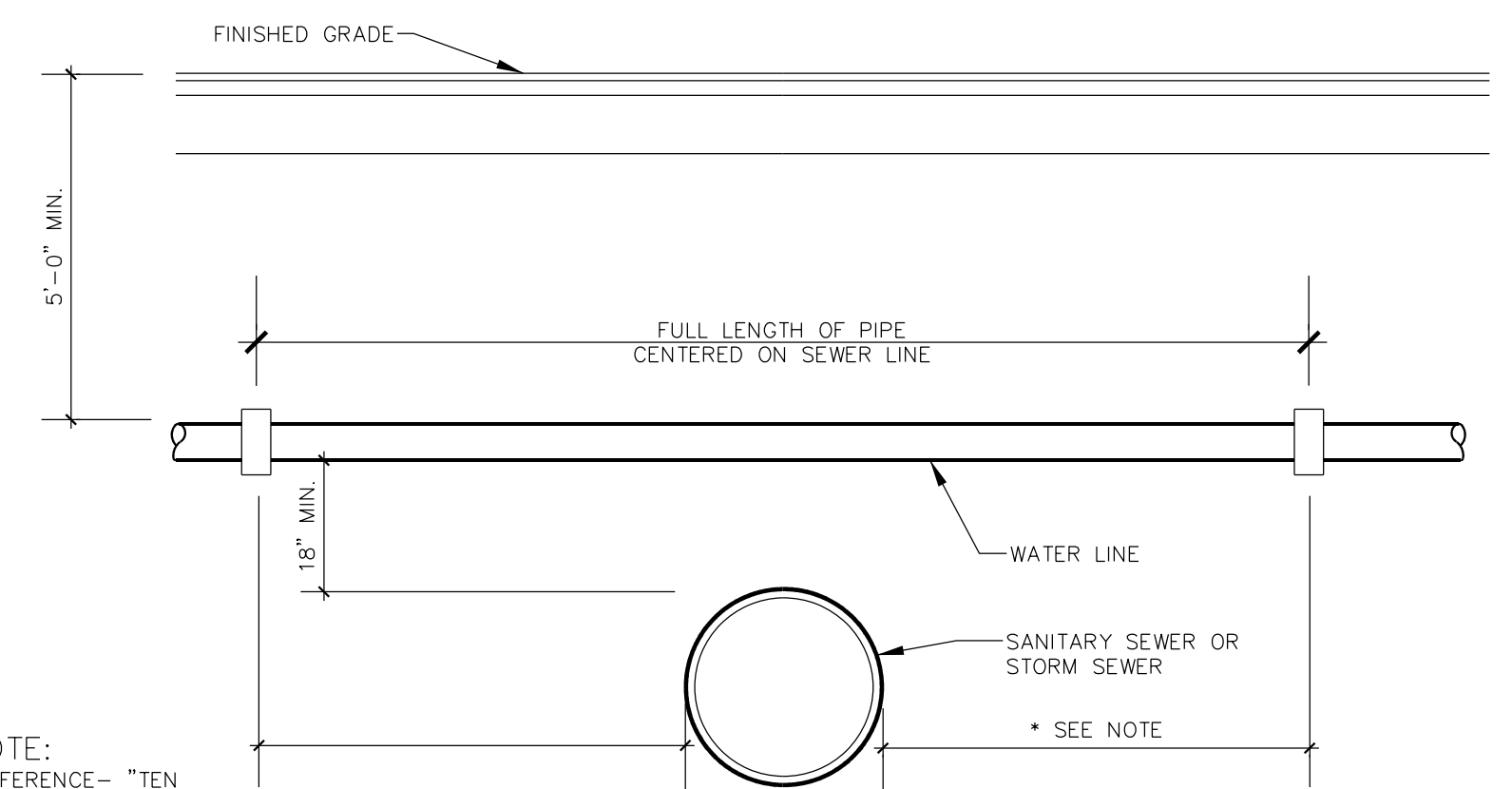
3 SCHEMATIC SEPTIC SYSTEM PROFILE - SHALLOW ABSORPTION TRENCH GRAVITY

SCALE: NTS

3

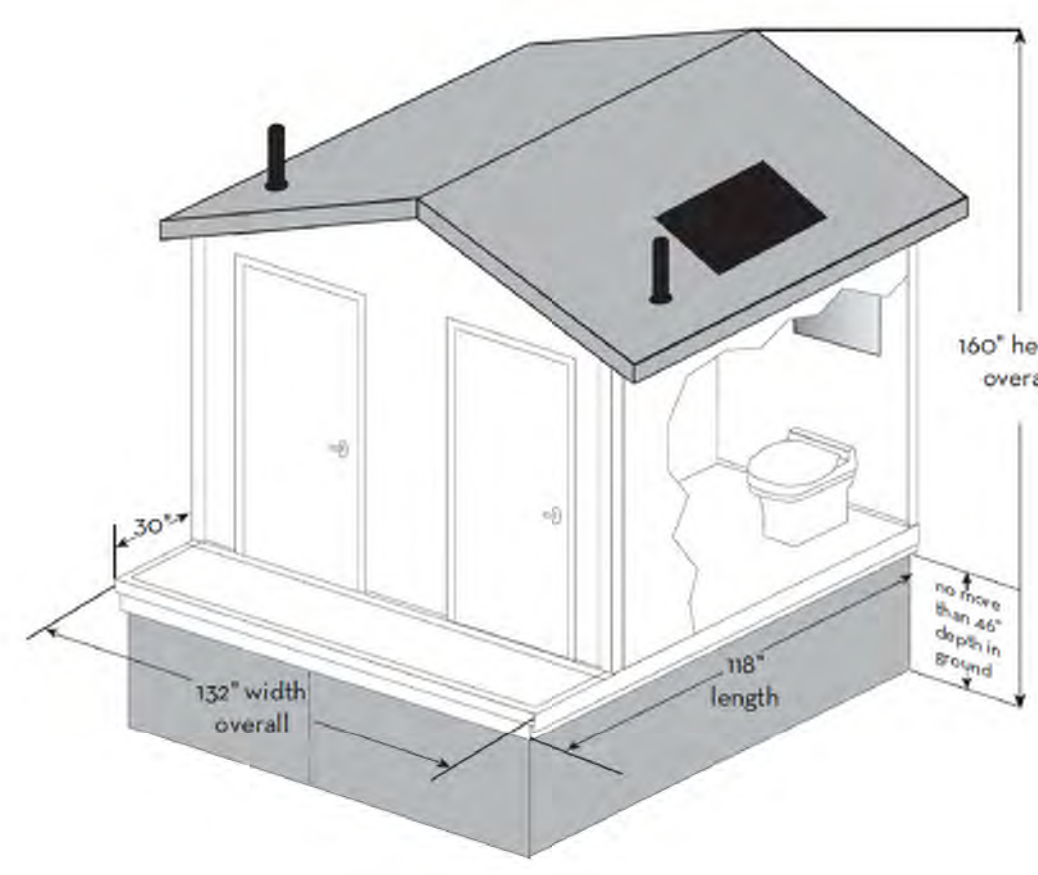


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NOTE:
 (REFERENCE-- "TEN STATE STANDARDS")
 WHEN INSTALLED PARALLEL, ALL WATER AND SEWER LINES SHALL HAVE A MINIMUM SEPARATION OF 10', EDGE TO EDGE. IF MINIMUM CANNOT BE MAINTAINED, WATER MAIN SHALL BE IN SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELVE TO ONE SIDE OF SEWER, WITH BOTTOM OF WATER MAIN 18" MINIMUM ABOVE TOP OF SEWER PIPE. WHEN CROSSING, MAINS SHALL BE INSTALLED TO INSURE 18" MINIMUM VERTICAL SEPARATION BETWEEN PIPES, OUTSIDE TO OUTSIDE. WHERE WATER MAIN IS UNDERNEATH SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO WATER MAIN. WHEN IT IS IMPOSSIBLE TO PROVIDE THE ABOVE MINIMUMS, THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE, AND SHALL BE PRESSURE TESTED TO ASSURE WATERTIGHTNESS PRIOR TO BACKFILLING.

1 UTILITY CROSSING DETAIL SCALE: NTS



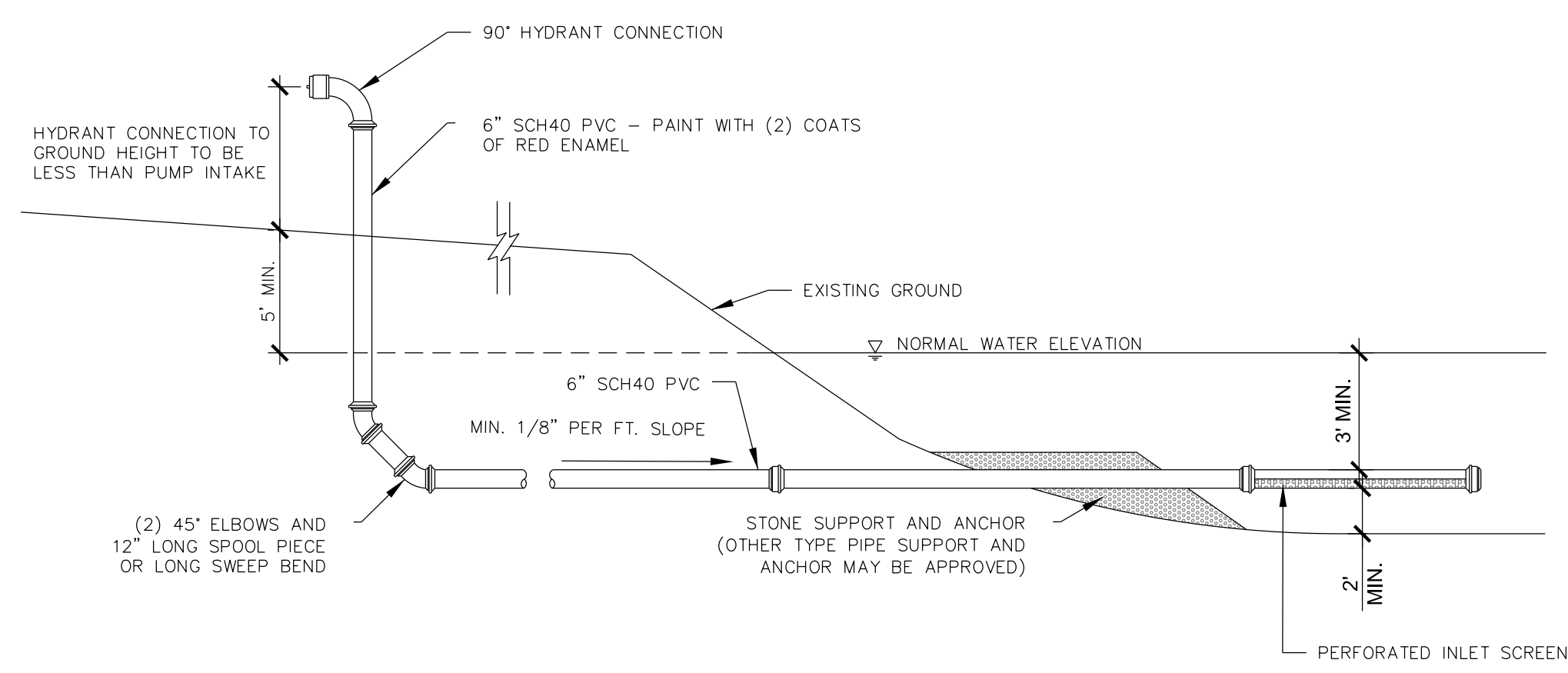
NOTES:
 1. SYSTEM TO BE CLIVUS MULTIRUM M54W OR APPROVED EQUAL.
 2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND STANDARDS.
 3. MAINTENANCE SHALL OCCUR IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

SYSTEM SIZING: (BASED ON AVERAGE VISITS PER YEAR)
 22,000 VISITS/UNIT/YEAR

MAIN MARINA
 178 BOAT SLIPS X 0.16 PEAK FACTOR = 29 BOATS/DAY
 ASSUME 3 VISITS/BOAT = 87 VISITS/DAY
 ASSUME 5 MONTHS (150 DAYS)
 13,050 VISITS/YEAR = 1 UNIT REQ'D
 2 UNITS AS SUGGESTED BY MANUFACTURER

ANNEX
 114 BOAT SLIPS X 0.16 PEAK FACTOR = 19 BOATS/DAY
 ASSUME 3 VISITS/BOAT = 57 VISITS/DAY
 ASSUME 5 MONTHS (150 DAYS)
 8,550 VISITS/YEAR
 1 UNIT REQ'D RECOMMENDED BY MANUFACTURER

2 COMPOSTING TOILET SCALE: NTS



3 DRY HYDRANT PROFILE SCALE: NTS

L.S. MARINA, LLC
 SARANAC LAKE MARINA

PROJECT NAME

LOCATION
 4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
 UTILITY DETAILS

SHEET
 C55



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LS MARINA, LLC
SARANAC LAKE MARINA

PROJECT NAME
 LOCATION

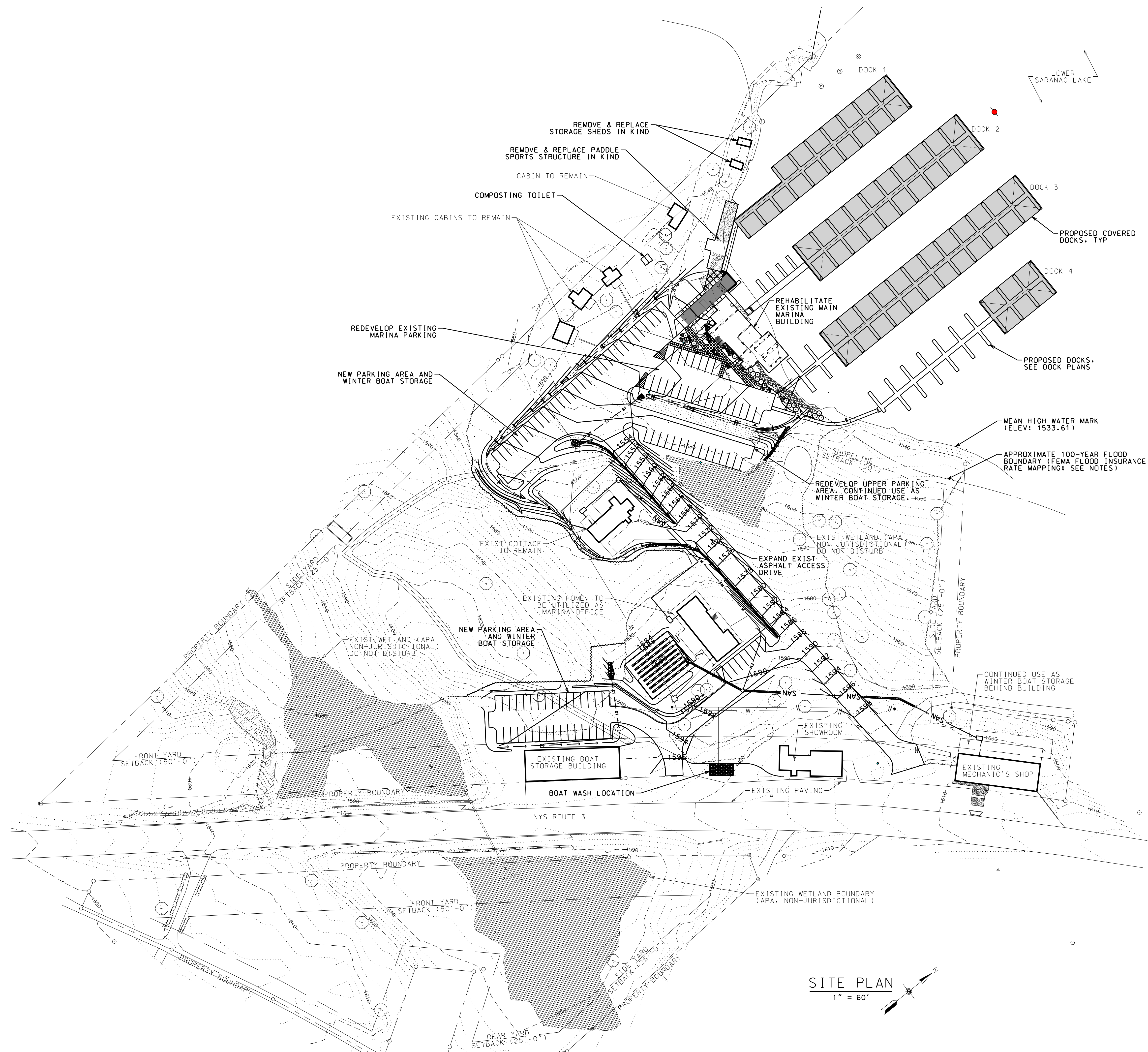
4901 NYS ROUTE 3
 SARANAC LAKE, NEW YORK

DATE	ISSUED FOR	REV
05-01-20	APA PERMITTING	
06-04-20	APA SUPPLEMENT	A
07-16-20	OWNER CHANGES	B
09-21-20	LITTORAL RIGHTS	C
03-30-23	OWNER CHANGES	D

DRAWN BY: BMD/KMR
 CHECKED BY: JA GARSO
 PROJECT #: 19-061
 ORIGINAL 24"x36"

TITLE
**MAIN MARINA
 OVERALL SITE
 PLAN**

SHEET
C10



LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- SETBACK
- MEAN HIGH WATER MARK
- 100-YEAR FLOOD BOUNDARY
- PLANTING AREA
- WETLAND
- COVERED PORTION OF DOCKS

NOTES:

- APA LAND USE CLASSIFICATION: HAMLET
- WETLANDS DELINEATED SUMMER OF 2014.
- FLOOD BOUNDARY IS FROM BEST-FIT FEMA PANELS. THERE IS NO FEMA DESIGNATED FLOODWAY FOR LOWER SARANAC LAKE.

SITE PLAN
 1" = 60'



New York State
Adirondack
Park Agency

KATHY HOCHUL
Governor

BARBARA RICE
Executive Director

**PUBLIC NOTICE
VARIANCE APPLICATION RECEIVED
PROJECT NO. 2016-0029A**

Date: April 12, 2023

The purpose of this Notice is to inform you that the Variance application described below was received by the Adirondack Park Agency on **April 7, 2023** and to solicit any written comments you may have regarding it at this time. It is not necessary to respond to this notice unless you want to do so. If you wish to provide written comments, mail them to **John Burth**, the assigned APA Environmental Program Specialist 3 (EPS3).


When all of the required variance application information has been provided, Agency staff will schedule a public hearing for presentation and discussion of the requested variance and a Notice of Variance Hearing will be published in a local paper. A copy of the Hearing Notice will also be mailed to: the applicant; the property owner (if other than the applicant); landowners within 500 feet of the property; the Chairman of the County Planning Board; the Chairman of the Regional Planning Board, if any; the chief elected officer, clerk and planning board chairman, if any, of the town or village where the project is located; and the Adirondack Park Local Government Review Board. The Hearing Notice will contain more detailed information about the requested variance and will include the hearing date and location. You will then have another opportunity to provide comment relevant to the Agency's review of the requested variance.

VARIANCE APPLICANT, LOCATION AND DESCRIPTION

The Agency received an application on **April 7, 2023** for a variance from the Adirondack Park Agency Act shoreline restrictions proposed by **LS Marina LLC** in the Town of **Harrietstown, Franklin** County, on or near **Lower Saranac Lake** in an area designated as **Hamlet** on the Adirondack Park Land Use and Development Plan Map. The tax map number of the variance location is: Section **457**, Block **2**, Parcel(s) **33.1**; Block **3**, Parcel(s) **10**; and Block **4**, Parcel(s) **10**. The attached map shows the approximate location of the variance location. The Agency is currently reviewing the application to determine if additional information is necessary.

The Variance Request is briefly described as follows: **Variance requested for installation of open-sided, covered boat berths at a pre-existing marina located in Crescent Bay, Lower Saranac Lake.**

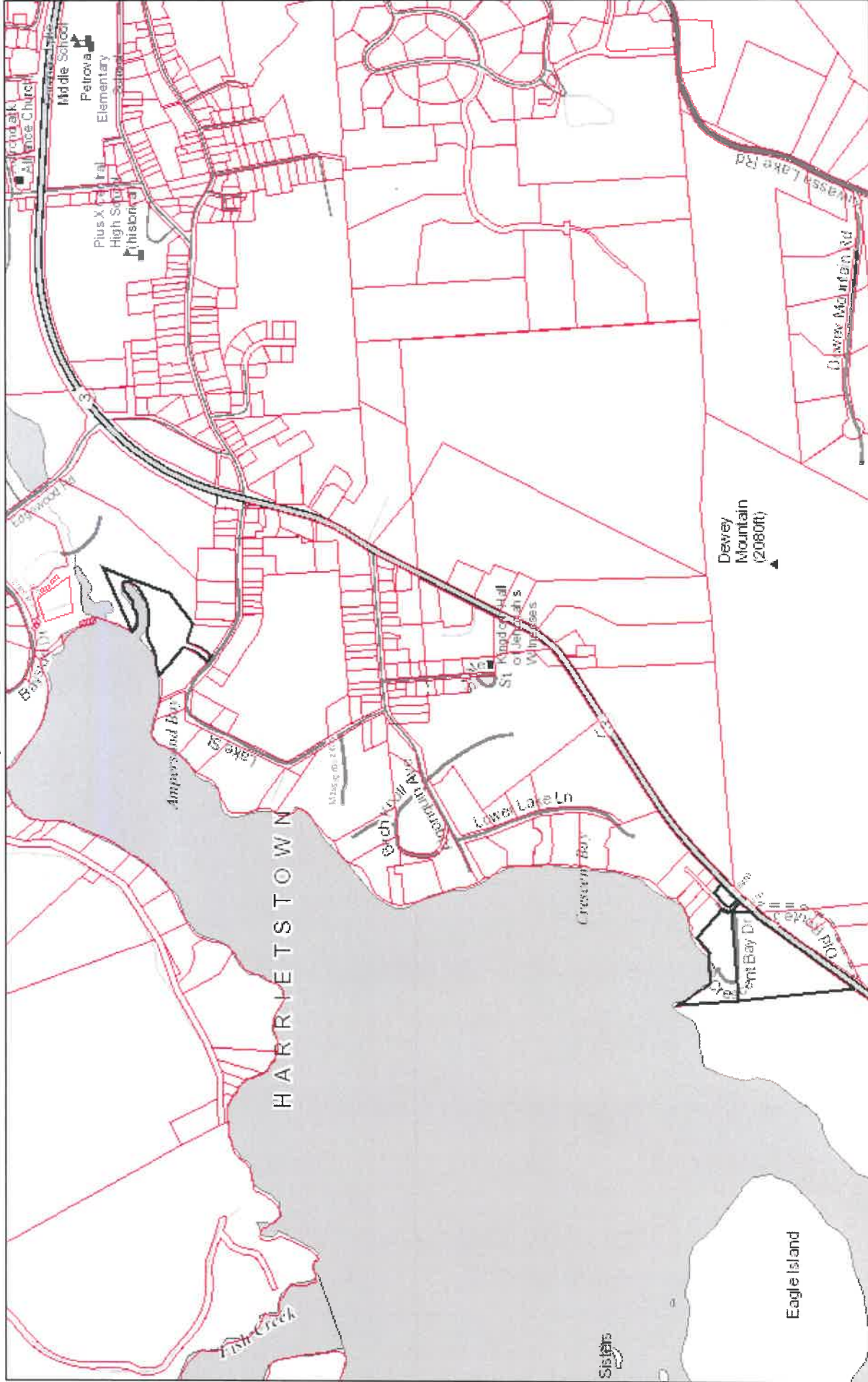
4/12/23
Date


David J. Plante, AICP CEP
Deputy Director, Regulatory Programs

cc: LS Marina LLC
Adjoining Landowners
Matthew Norfolk, Esq.
Town, County & LGRB Officials

Enc: Variance Process Summary

APA Project 2016-0029A



4/12/2023, 10:47:45 AM This is advisory only, not to be used to confirm exact boundary location or for determining Agency jurisdiction.

- Temp Highlight Parcel(s)
- Parcels 2021
- Park Boundary Blueline

NYS Adirondack Park Agency