Lake Placid / Whiteface Mountain KOA Holiday - Riverside

5644 NYS Route 86, Wilmington, NY 12997

PREPARED FOR:

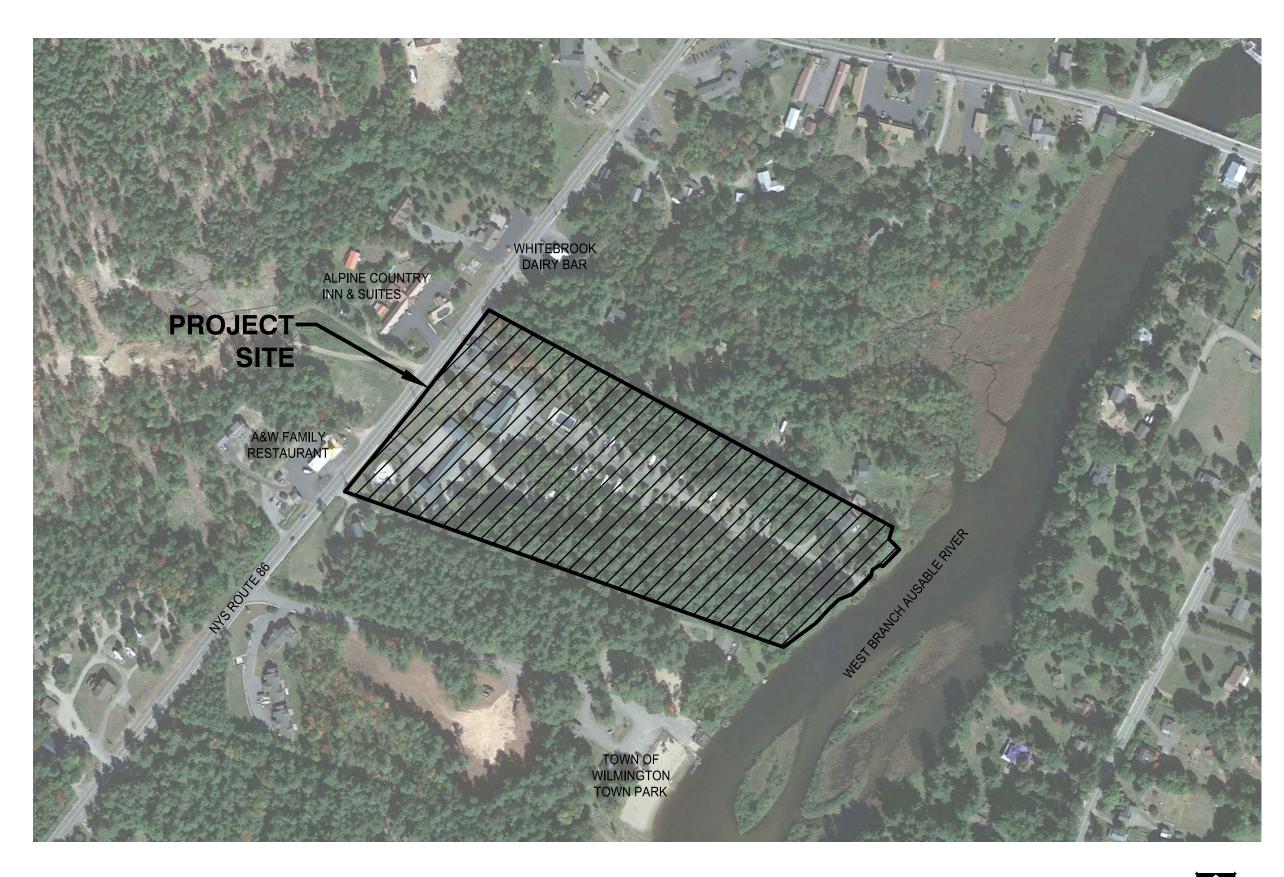


SUBMISSION:

SPECIAL USE PERMIT / SITE PLAN AND VARIANCE APPLICATIONS

February 20, 2024





PROJECT VICINITY MAP

1 SCALE: 1"=250'

SHEET INDEX:

SURVEY

SITE / TOPOGRAPHIC SURVEY

ALTA SURVEY INCLUDING WETLAND / RIVER EDGE

LANDSCAPE ARCHITECTURE

OVERALL SITE PLAN VARIANCE DIAGRAM SITE DEMOLITION PLAN

EROSION & SEDIMENT CONTROL PLAN

SITE LAYOUT PLAN

SITE MATERIALS PLAN

SITE GRADING AND DRAINAGE PLAN

SITE PLANTING PLAN L-800-803 SITE DETAILS

NOTES

SITE PHOTOMETRIC PLAN

SEWER AND WATER ENGINEERING

UTILITY PLAN **SANITARY PROFILES** WATER LINE A PROFILE

WATER LINE B PROFILE WATER LINE C PROFILE SEPTIC DETAILS

SEWER DETAILS C-301-302

SOIL INFO & SEWER DETAILS

WATER DETAILS

ELECTRICAL

ELECTRICAL DISTRIBUTION PLAN

PREPARED BY:

REGIONAL MAP

LANDSCAPE ARCHITECT/ENGINEER:



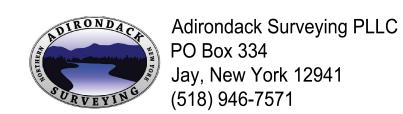
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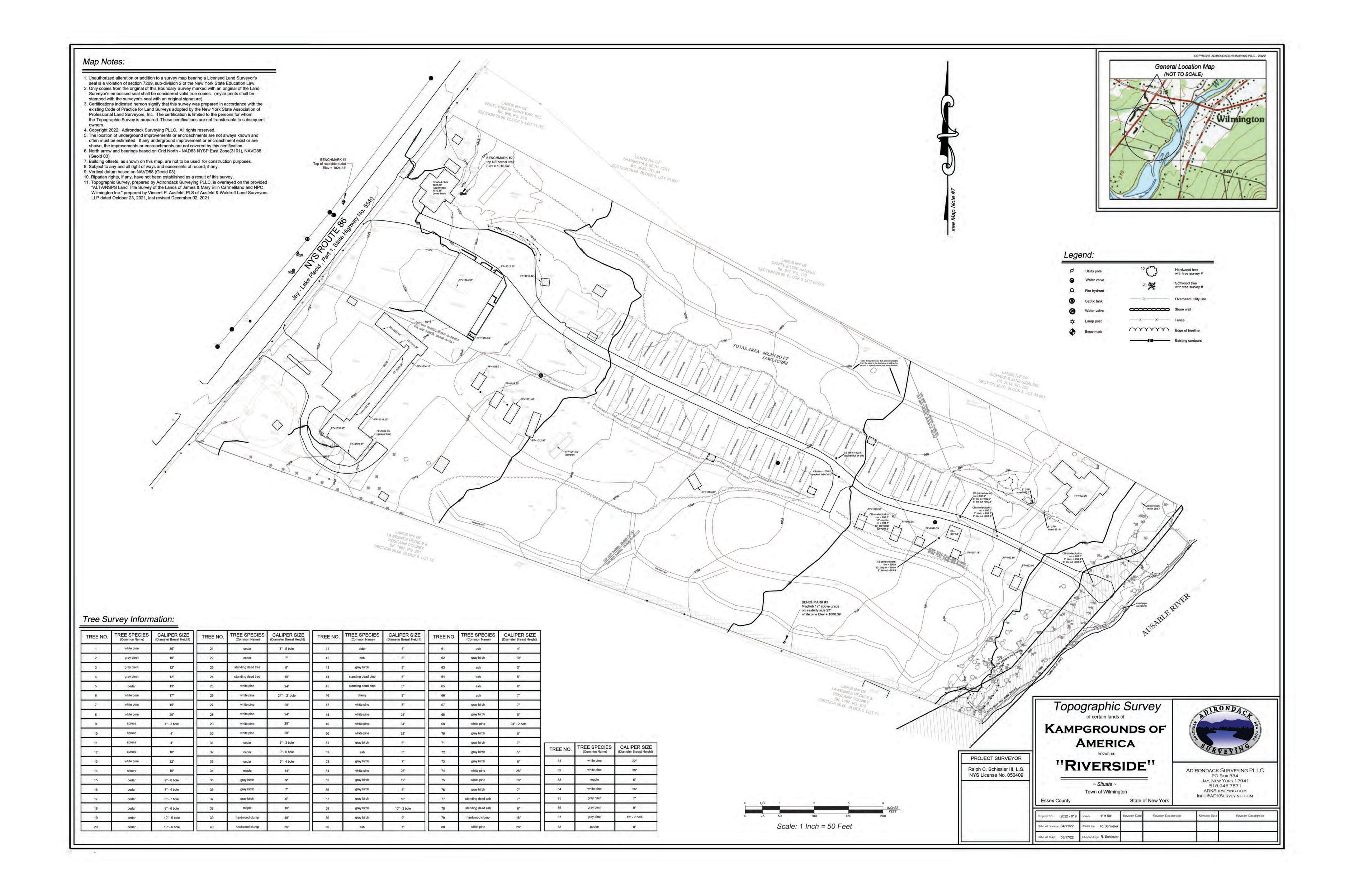
North Woods Engineering PLLC 348 Lake Street Saranac Lake, NY 12983 $(518)891 \cdot 4975$ www.north-woods-engineering.com New York State Certified
Service-Disabled Veteran-Owned Business

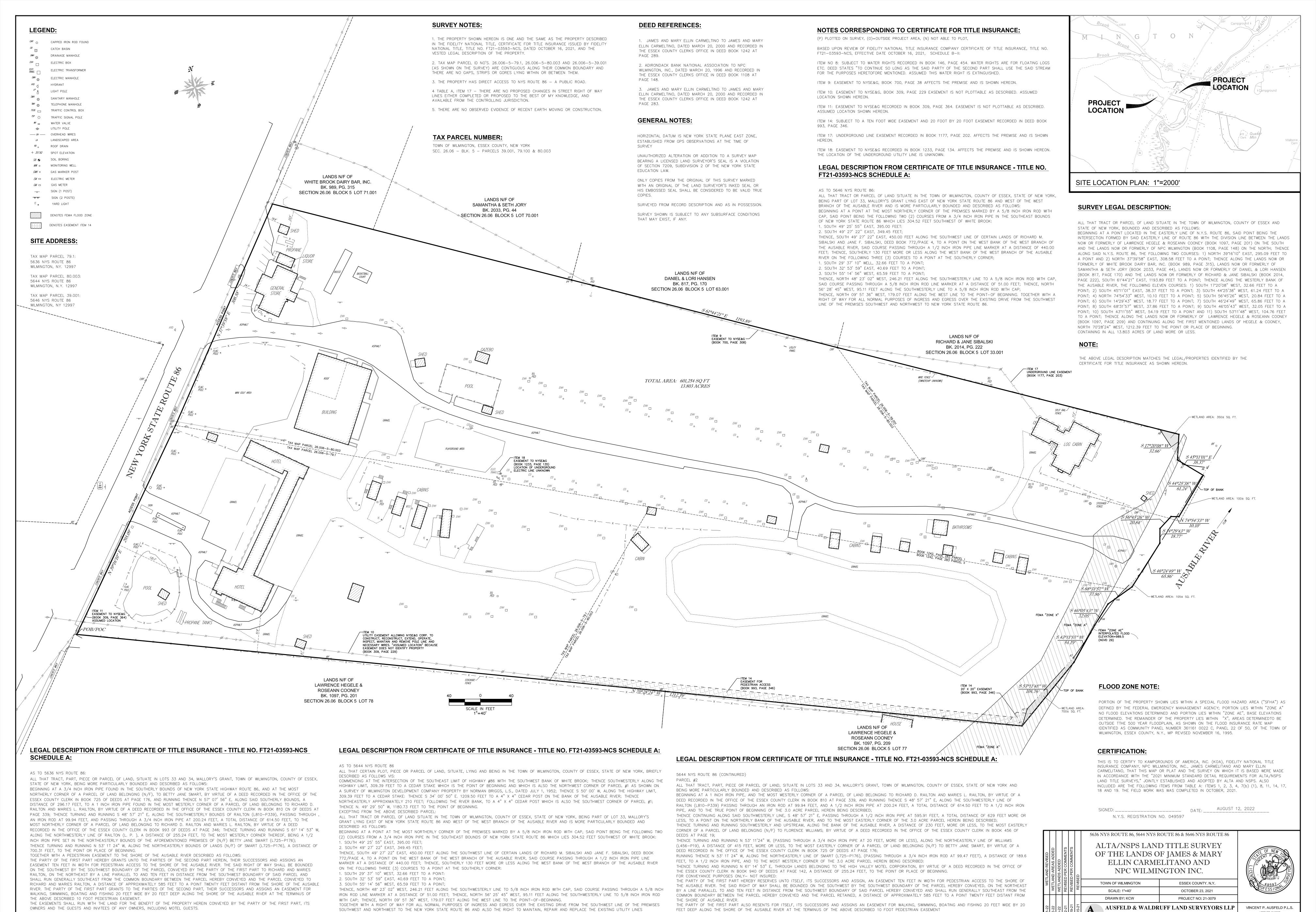
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SCALE: N.T.S.









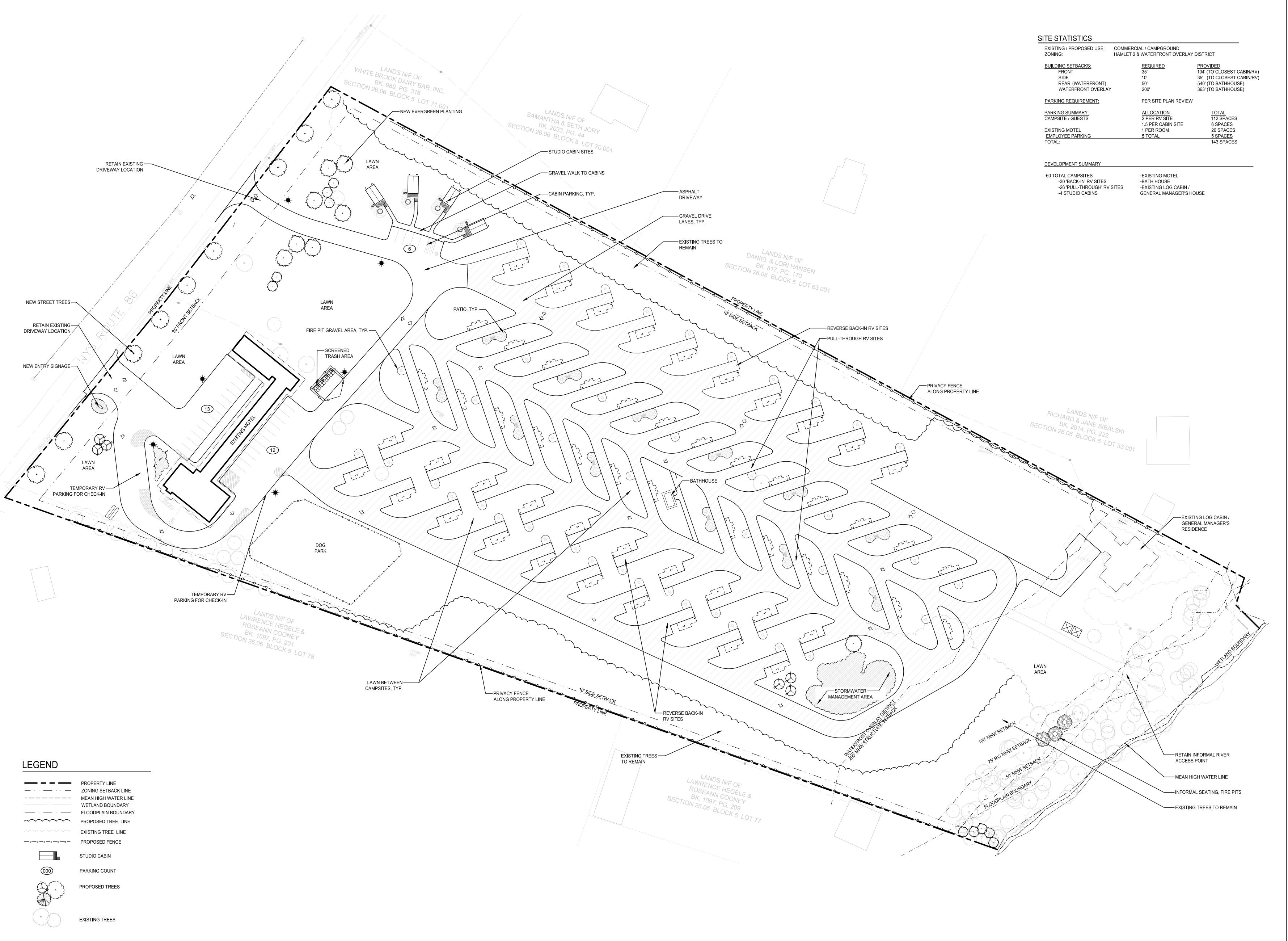
THE EASEMENTS SHALL RUN WITH THE LAND FOR THE BENEFIT OF THE PROPERLY RETAINED BY THE PARTY OF THE FIRST PART, ITS SUCCESSORS AND ASSIGNS AND THE

GUESTS AND INVITES OR ANY OWNERS, INCLUDING MOTEL GUESTS.

PROVIDING SERVICE TO THE PREMISES HEREINABOVE DESCRIBED IN THEIR PRESENT LOCATIONS.

Drawing Name: Z:\PROJECTS\2021\21-3079\dwg\21-3079-S1.dwg Xref's Attached: Date Printed: Sep 12, 2022, 12:13pm 323 CLINTON STREET, SCHENECTADY NY
PHONE: (518) 346-1595 FAX:(518)770-1655

LICENSE #049597



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323 Clinton Street
Schenectady, NY 12305

Surveyor:

Adirondack Surveying PLLC
PO Box 334
Jay, New York 12941
(518) 946-7571

Project Title:

Lake Placid / Whiteface Mtn KOA Holiday - Riverside

Wilmington, NY 12997

ject No.: 2021110.02
ign: MJT
wn: KAM Ch'k'd: MJT
e: 02/20/2024 Scale: 1"=40'

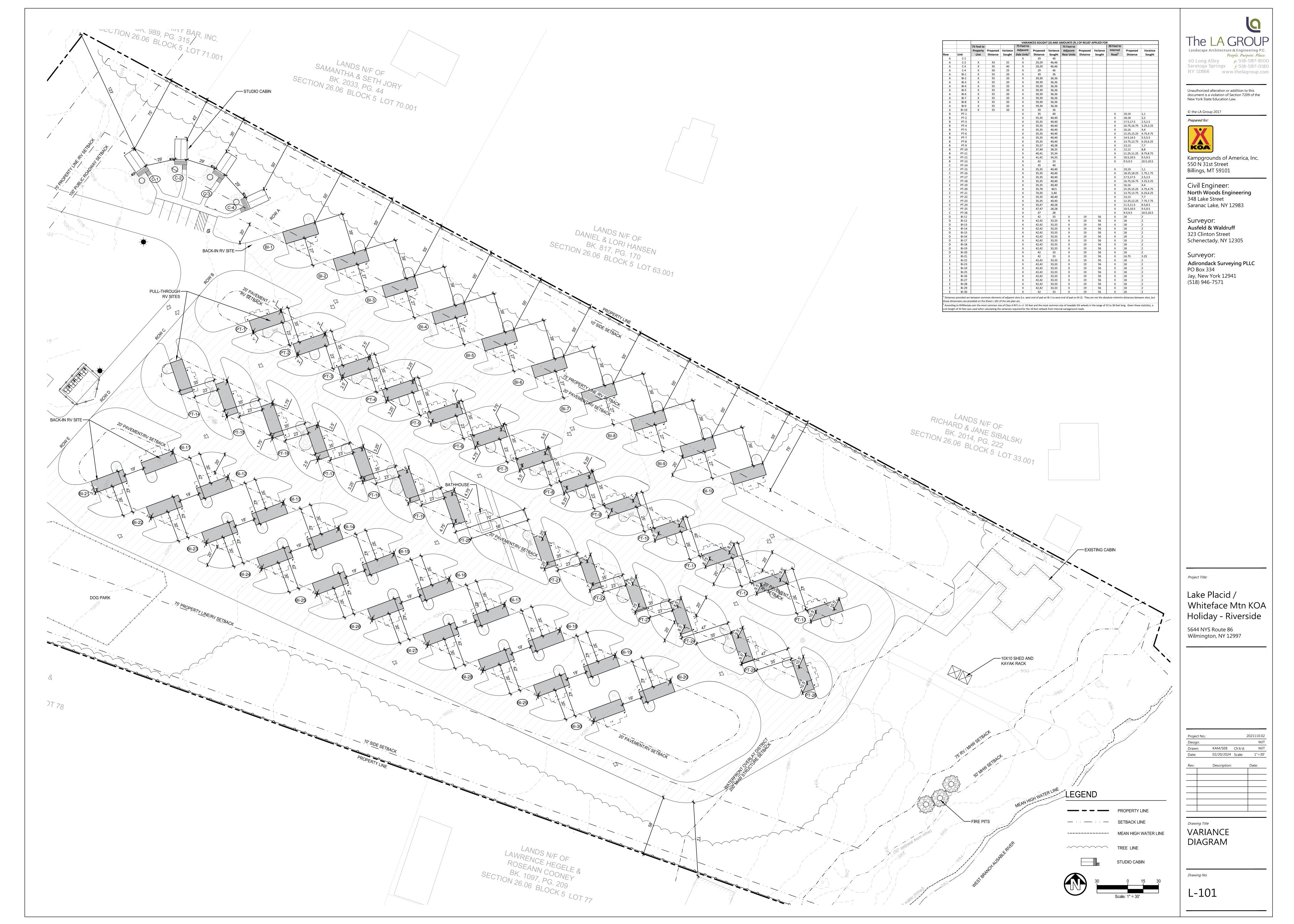
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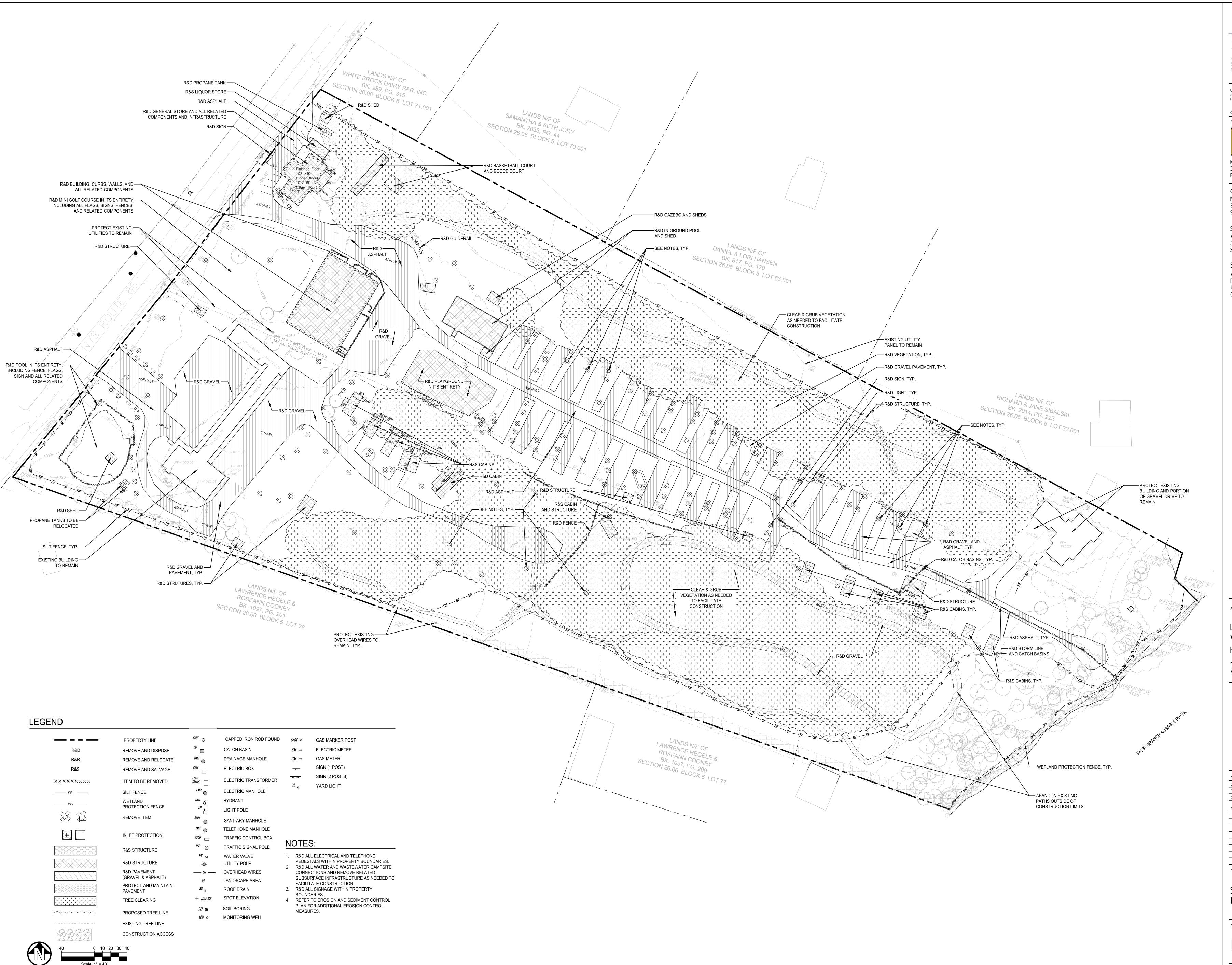
OVERALL SITE PLAN

Drawing No.









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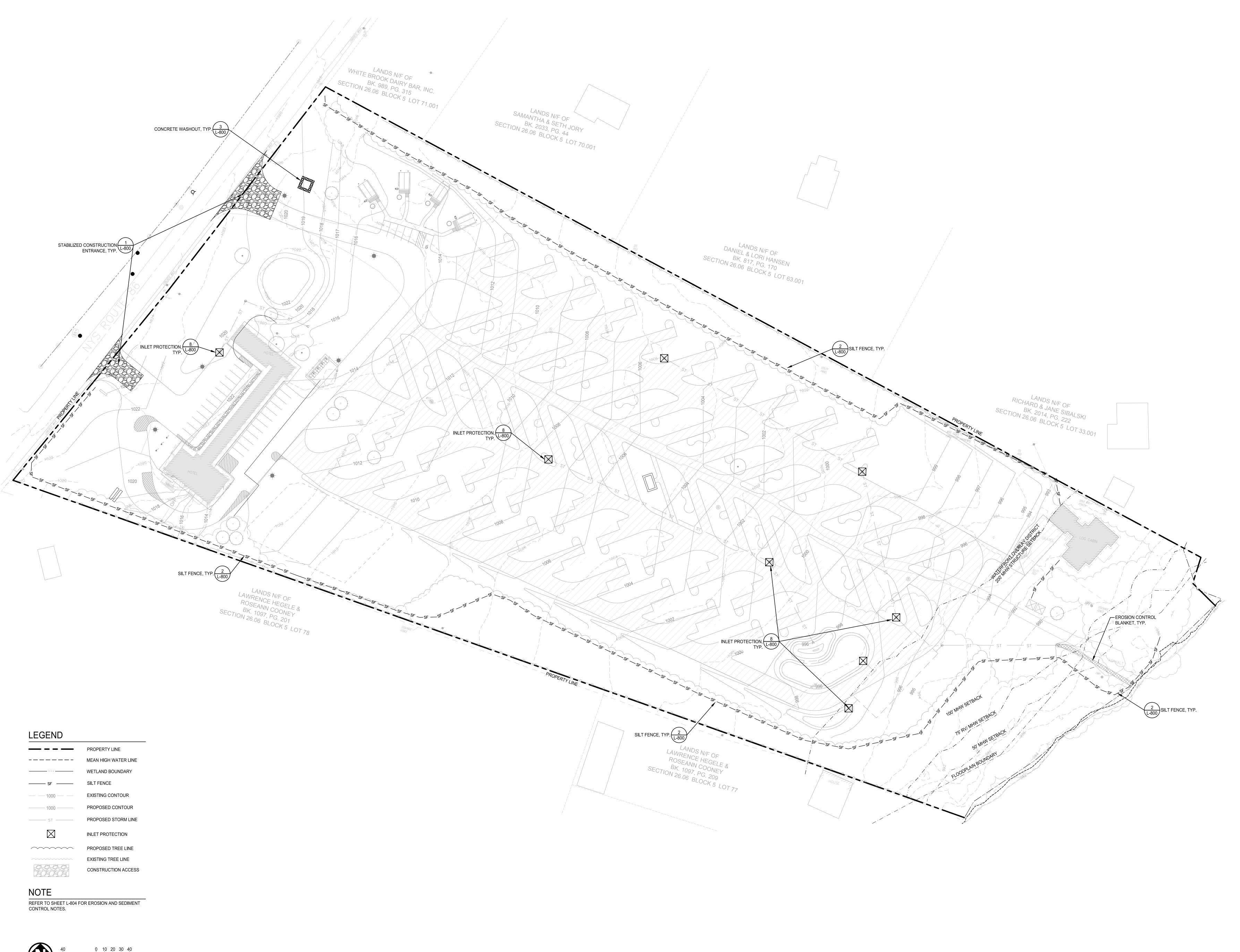
5644 NYS Route 86 Wilmington, NY 12997

Project No.:			2021110.02
Design:			MJT
Drawn:	KAM	Ch'k'd:	MJT
Date:	02/24/2024	Scale:	1"=40'
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Drawing Title

SITE DEMOLITION PLAN

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5644 NYS Route 86 Wilmington, NY 12997

Project No.:

Design:

MJT

Drawn:

BCS

Ch'k'd:

MJT

Date:

02/20/2024

Scale:

1"=40'

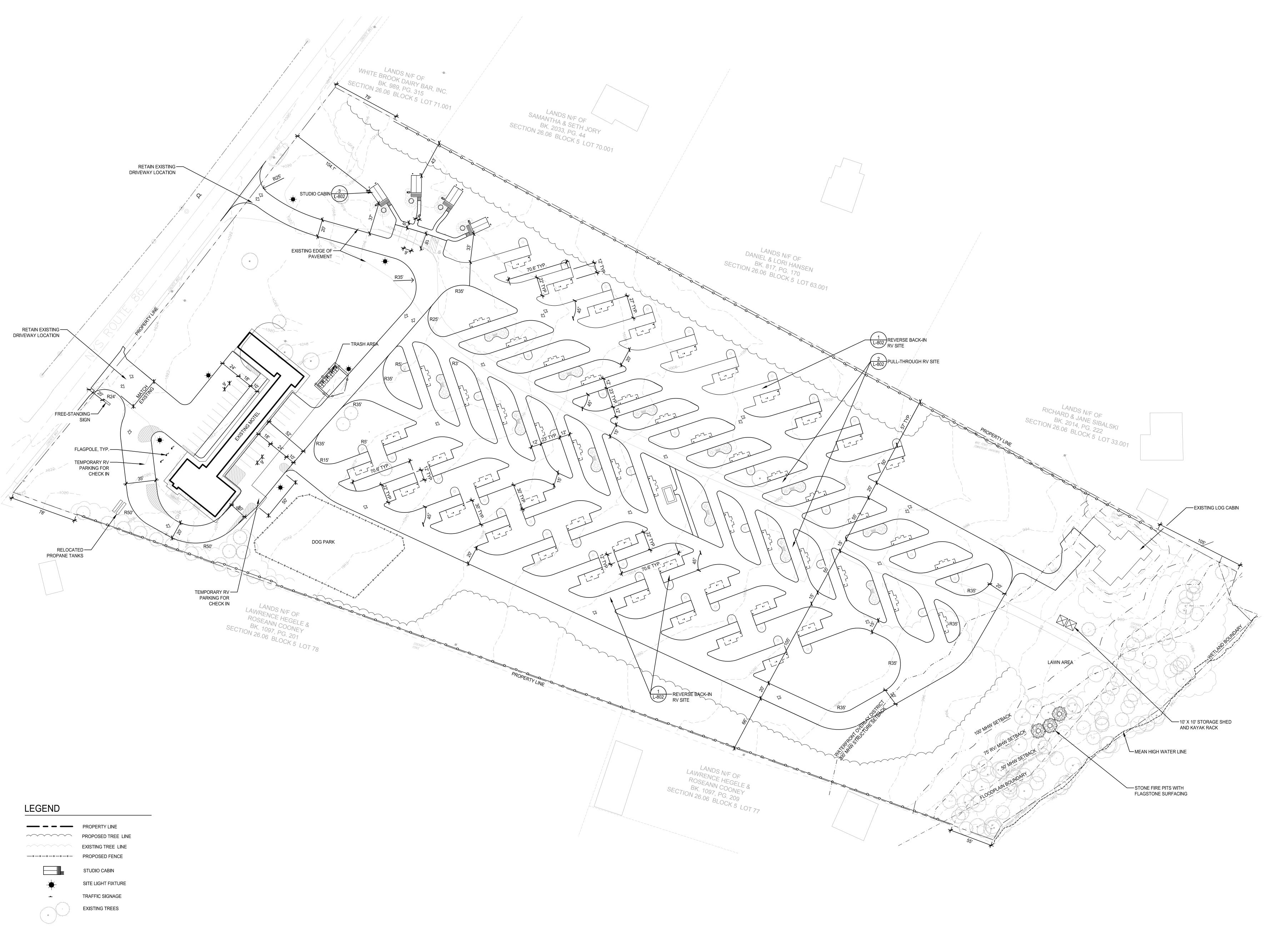
Rev:

Description:

Date:

EROSION &
SEDIMENT
CONTROL PLAN

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Project Title:

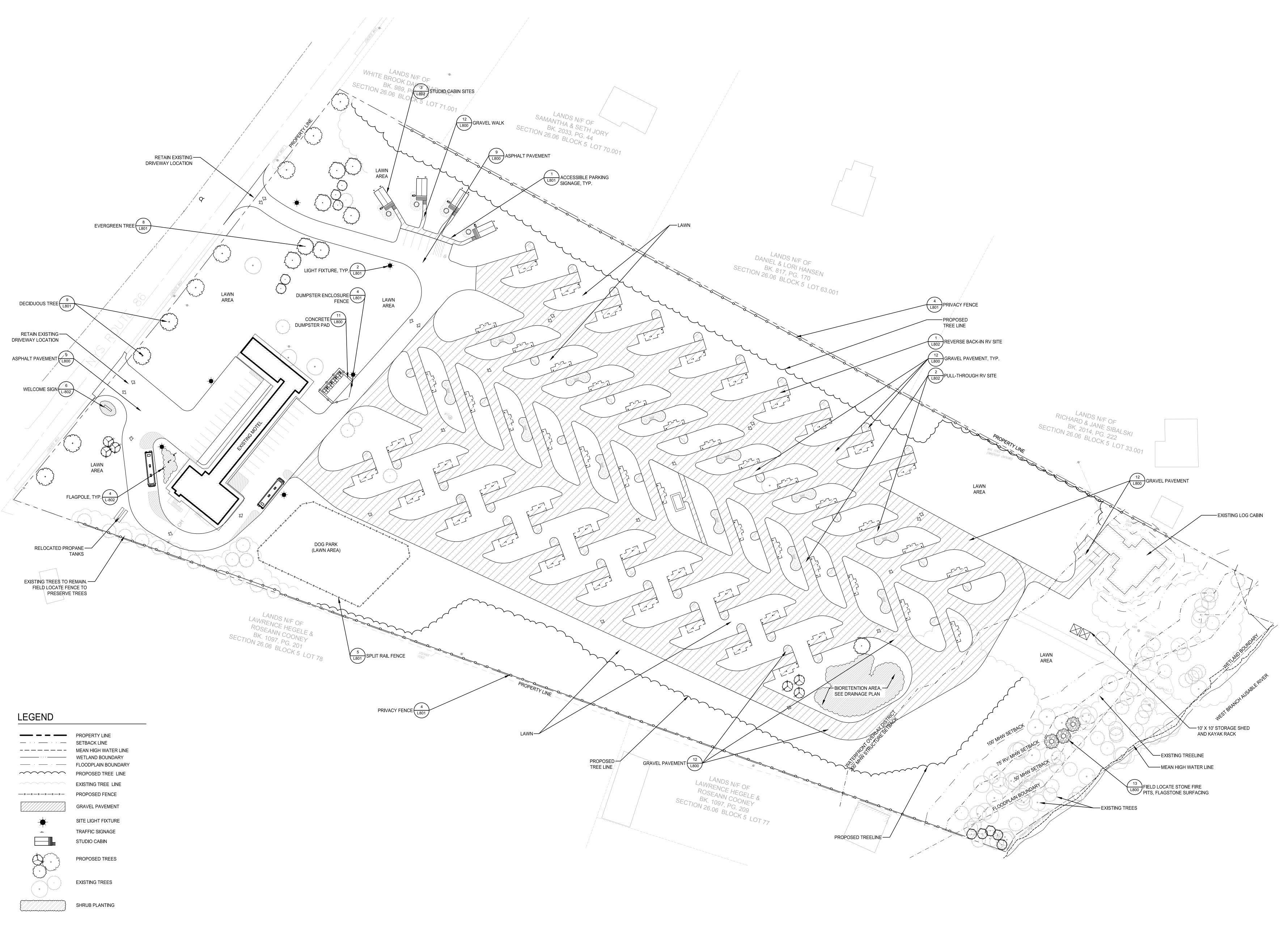
Lake Placid / Whiteface Mtn KOA Holiday - Riverside

5644 NYS Route 86 Wilmington, NY 12997

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	Date:		02/24/2024	Scale:	1"=40'
	Rev:		Description:		Date:
ı					

SITE LAYOUT PLAN

Drawing No.



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 2021110.02

 Design:
 MJT

 Drawn:
 KAM/SEB
 Ch'k'd:
 MJT

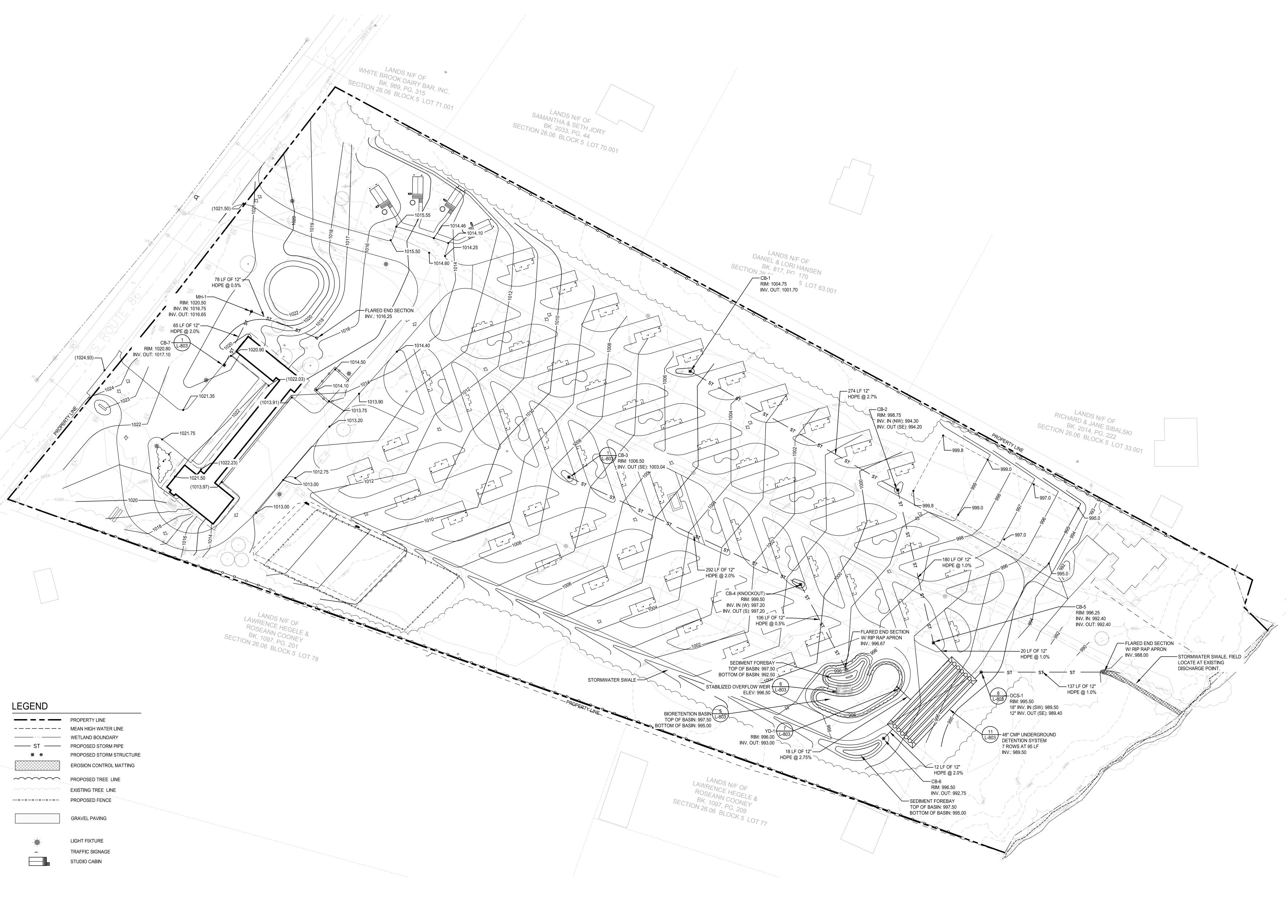
 Date:
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SITE MATERIALS
PLAN

Drawing N





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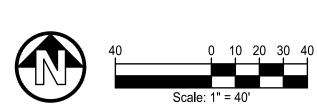
Lake Placid / Whiteface Mtn KOA Holiday - Riverside

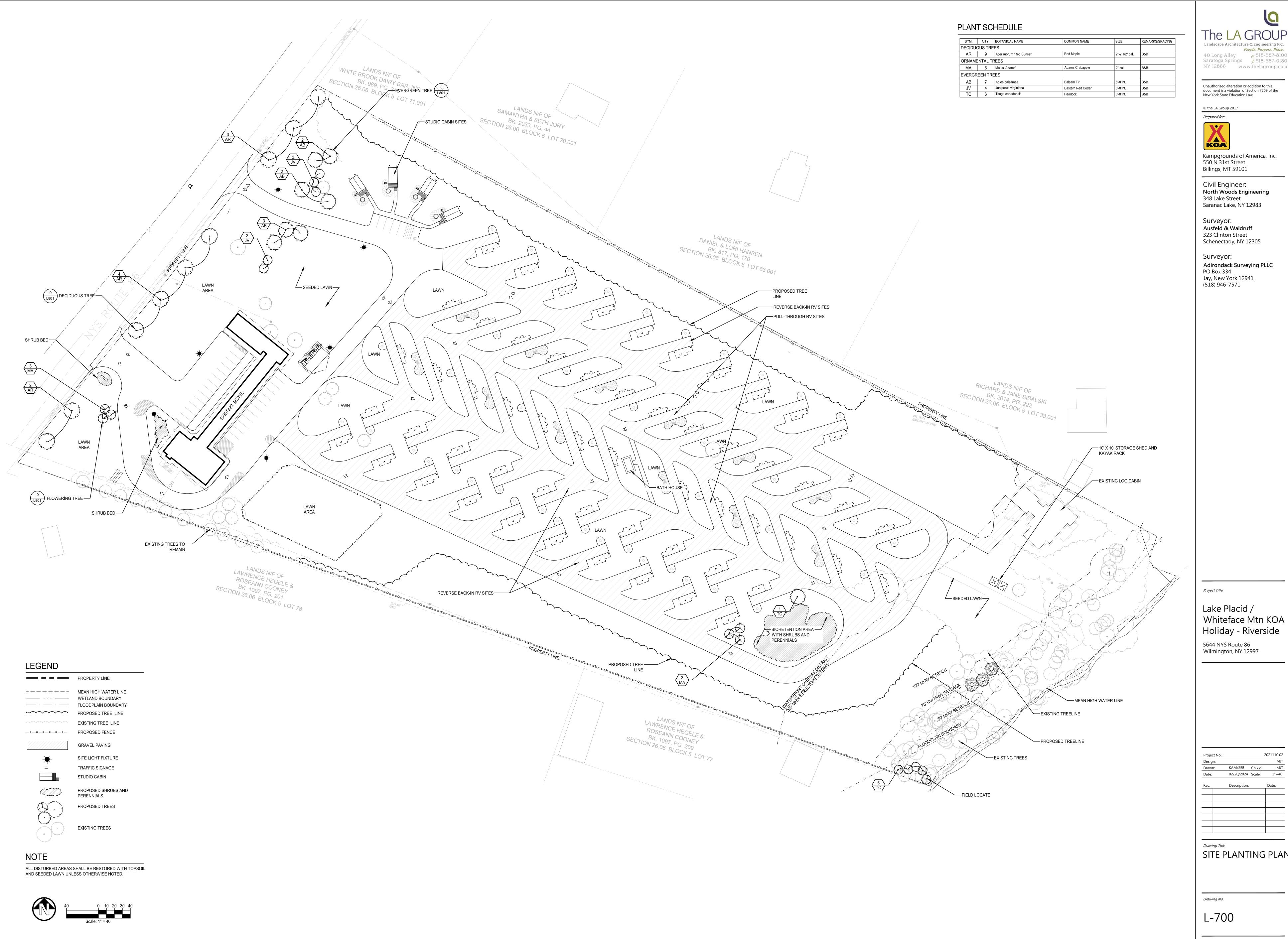
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Design:			MJ
Drawn:	BCS	Ch'k'd:	MJ
Date:	02/20/2024	Scale:	1"=40
Rev:	Description:		Date:

SITE GRADING AND DRAINAGE PLAN

Drawing N





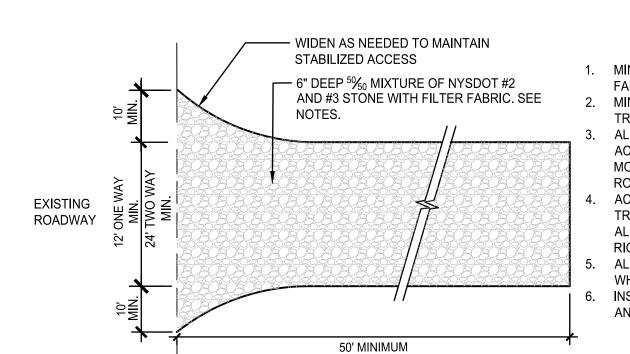
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Whiteface Mtn KOA Holiday - Riverside

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Desig	n:			MJT
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Date:		02/20/2024	Scale:	1"=40'
Rev:		Description:		Date:
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SITE PLANTING PLAN



CONSTRUCTION SPECIFICATIONS MINIMUM STONE SIZE SHALL BE 1"-4" STONE, INSTALLED OVER FILTER

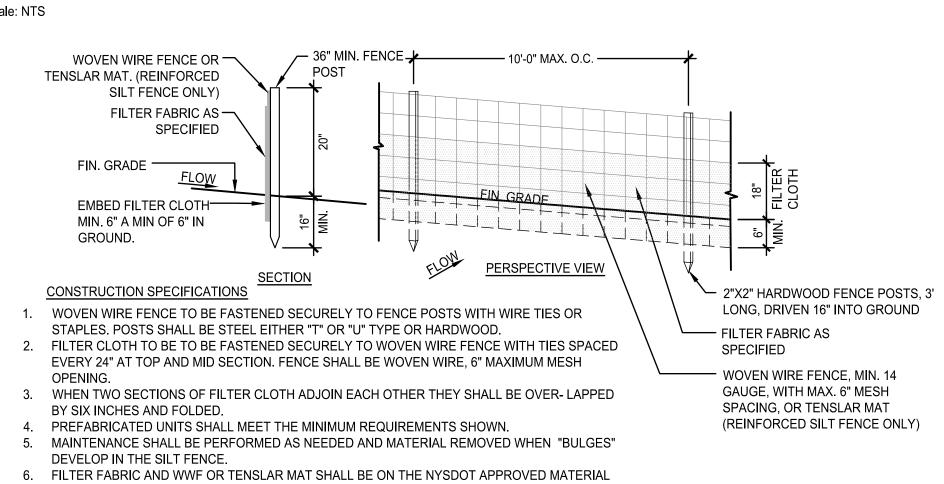
FABRIC TO A MINIMUM DEPTH OF 6". 2. MINIMUM WIDTH SHALL BE 12' FOR ONE WAY TRAFFIC, 24' FOR TWO WAY TRAFFIC. MINIMUM LENGTH SHALL BE 50'. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESSES SHALL BE PIPED BENEATH ACCESS. IF IMPRACTICAL, A MOUNTABLE DIVERSION BERM PREVENTING RUNOFF ONTO ADJACENT ROAD SHALL BE PERMITTED.

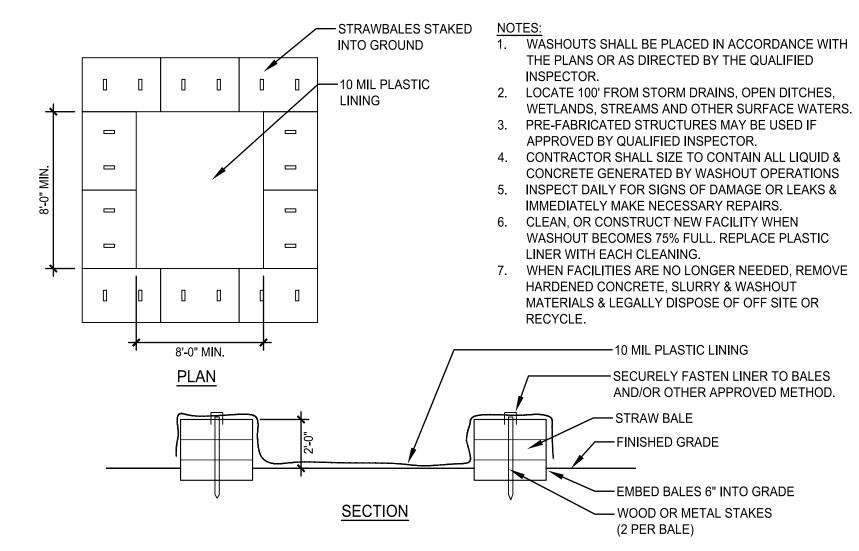
ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY. ALL VEHICLE WASHING SHALL BE DONE IN A STONE STABILIZED AREA WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. INSPECT AND MAINTAIN AS NEEDED TO CONFORM TO SPECIFICATIONS

AND STORMWATER POLLUTION PREVENTION PLAN.

STABILIZED CONSTRUCTION ACCESS

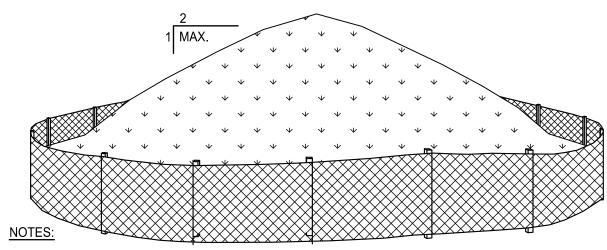
REQUIRED BY QUALIFIED INSPECTOR.





7. REINFORCED SILT FENCE SHALL BE USED AS NEEDED AN IN LIEU OF STANDARD SILT FENCE AS

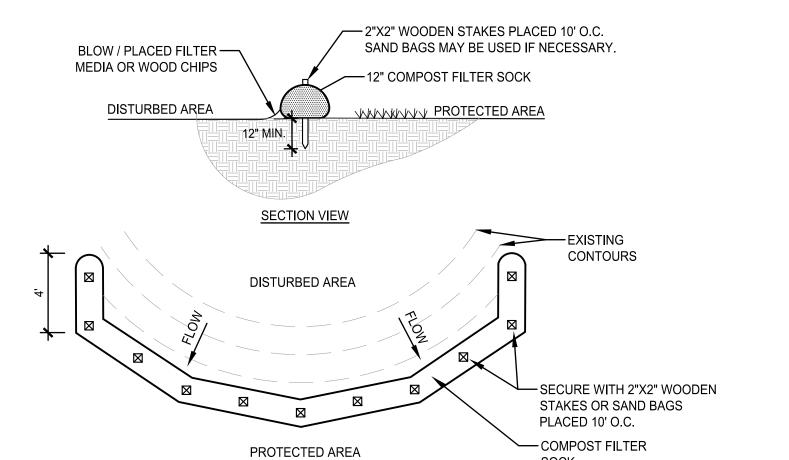
CONCRETE WASHOUT



- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1. MAXIMUM HEIGHT SHALL BE 12 FEET. 3. EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR COMPOST FILTER SOCK, IN
- ACCORDANCE WITH PROJECT DETAILS. 4. IF DEEMED NECESSARY BY THE QUALIFIED INSPECTOR, A PERIMETER DIKE/SWALE SHALL BE LOCATED
- UP-SLOPE OF THE TOPSOIL STOCKPILE.

TEMPORARY STOCKPILE

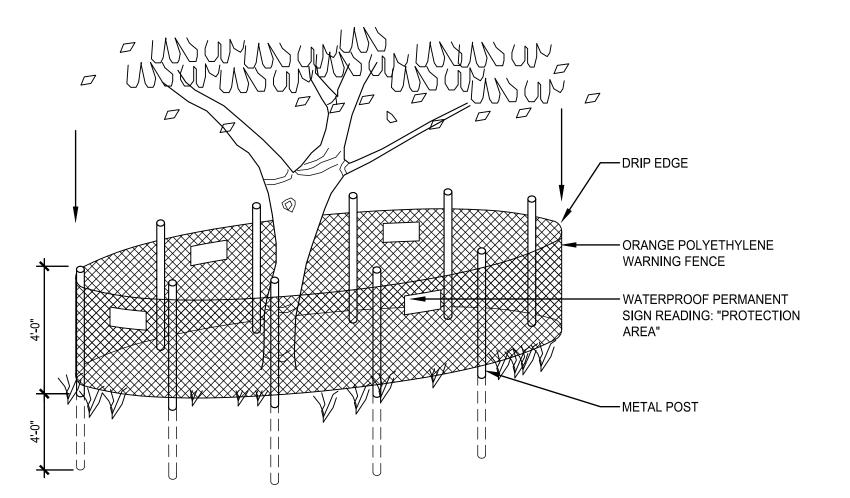
COMPOST FILTER SOCK



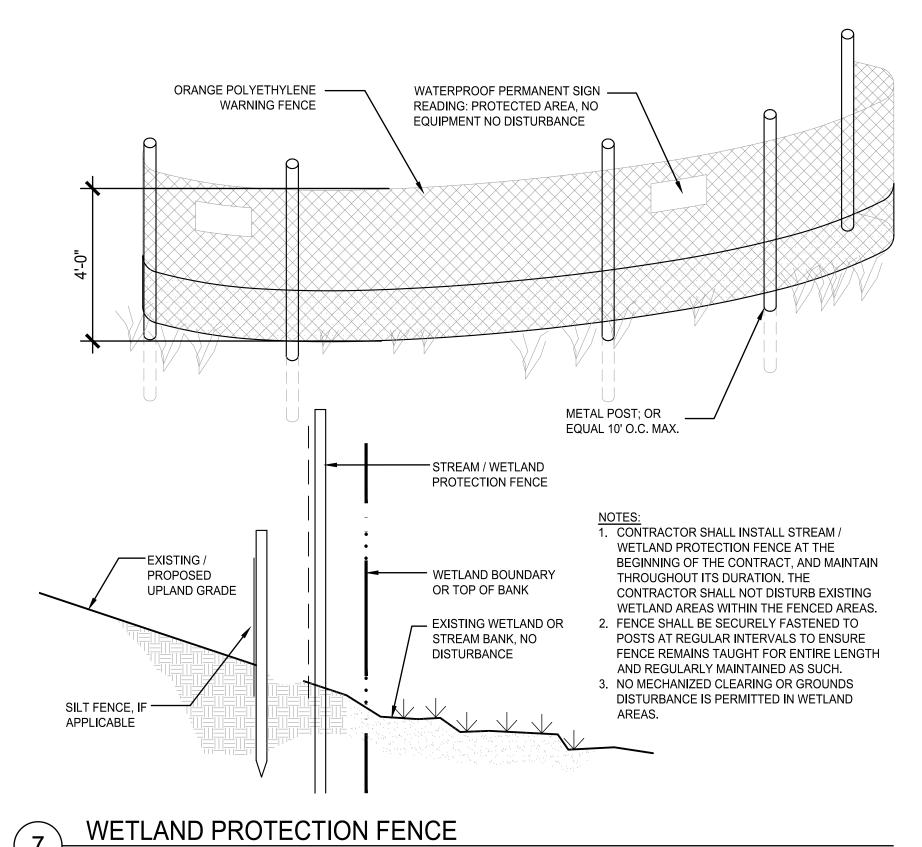
1. FILTER SOCK SHALL BE 12" "SILTSOXX" FOR PERIMETER CONTROL BY FILTRE XX OR EQUAL AS APPROVED BY THE QUALIFIED INSPECTOR. INSTALL IN STRICT

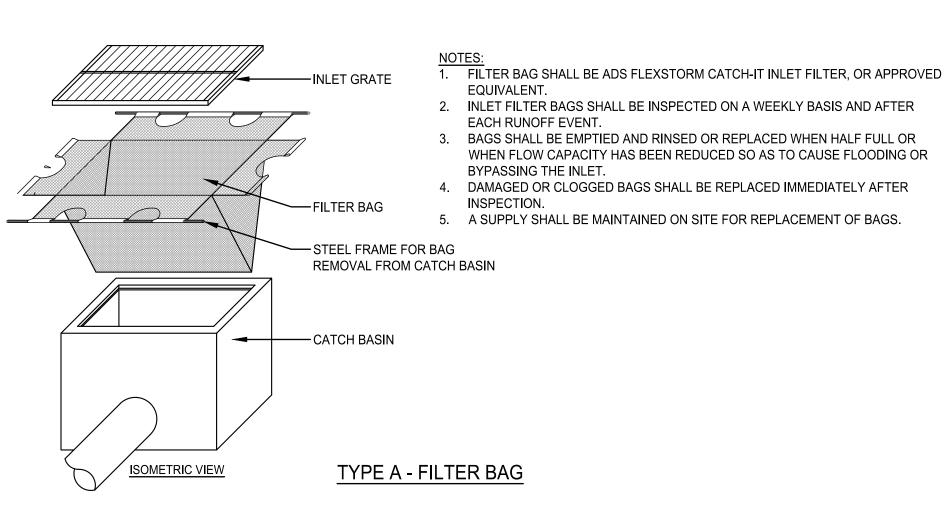
PLAN VIEW

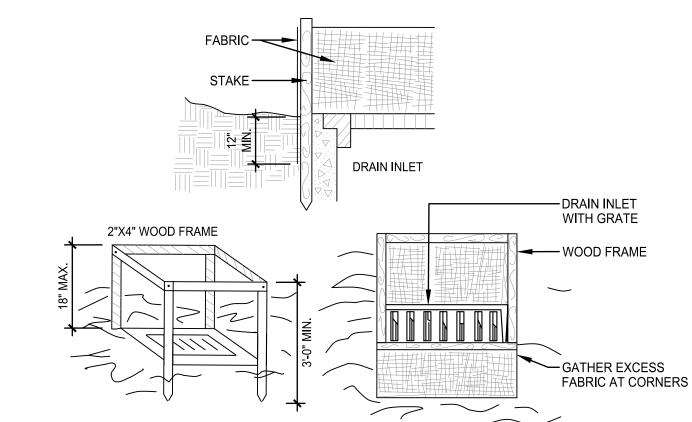
- ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- 2. PLACE FILTER SOCKS PARALLEL WITH CONTOURS. 3. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHED ½ HEIGHT OF THE SOCK. 4. INSPECT WEEKLY & REPAIR DAMAGE / DEFICIENCIES WITHIN 24 HOURS.



TREE PROTECTION FENCING



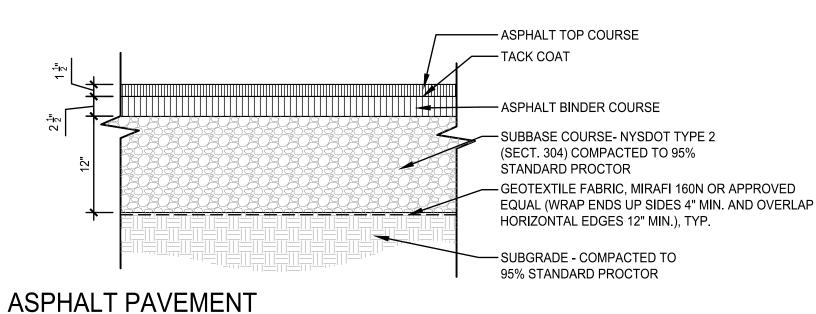


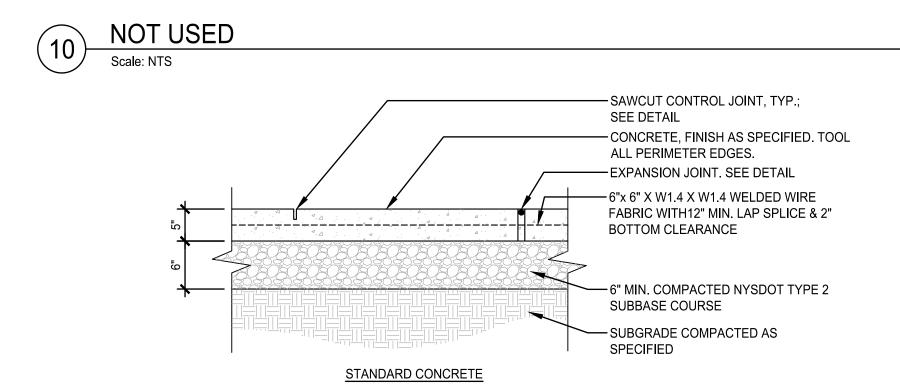


CONSTRUCTION SPECIFICATIONS:

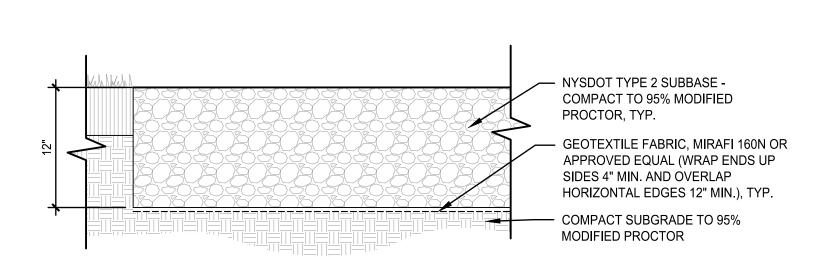
- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85, BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE. 3. STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET. 4. SPACES STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH
- THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT. 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACK-FILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME. 6. A 2"X4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

TYPE B - FABRIC PROTECTION

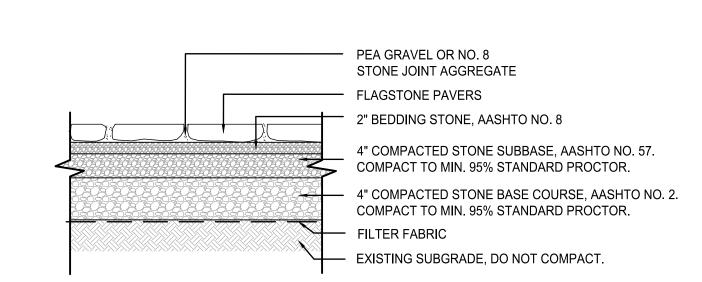




CONCRETE PAVEMENT



VEHICULAR GRAVEL PAVEMENT



FLAGSTONE

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Surveyor: **Adirondack Surveying PLLC** PO Box 334 Jay, New York 12941 (518) 946-7571

Project Title:

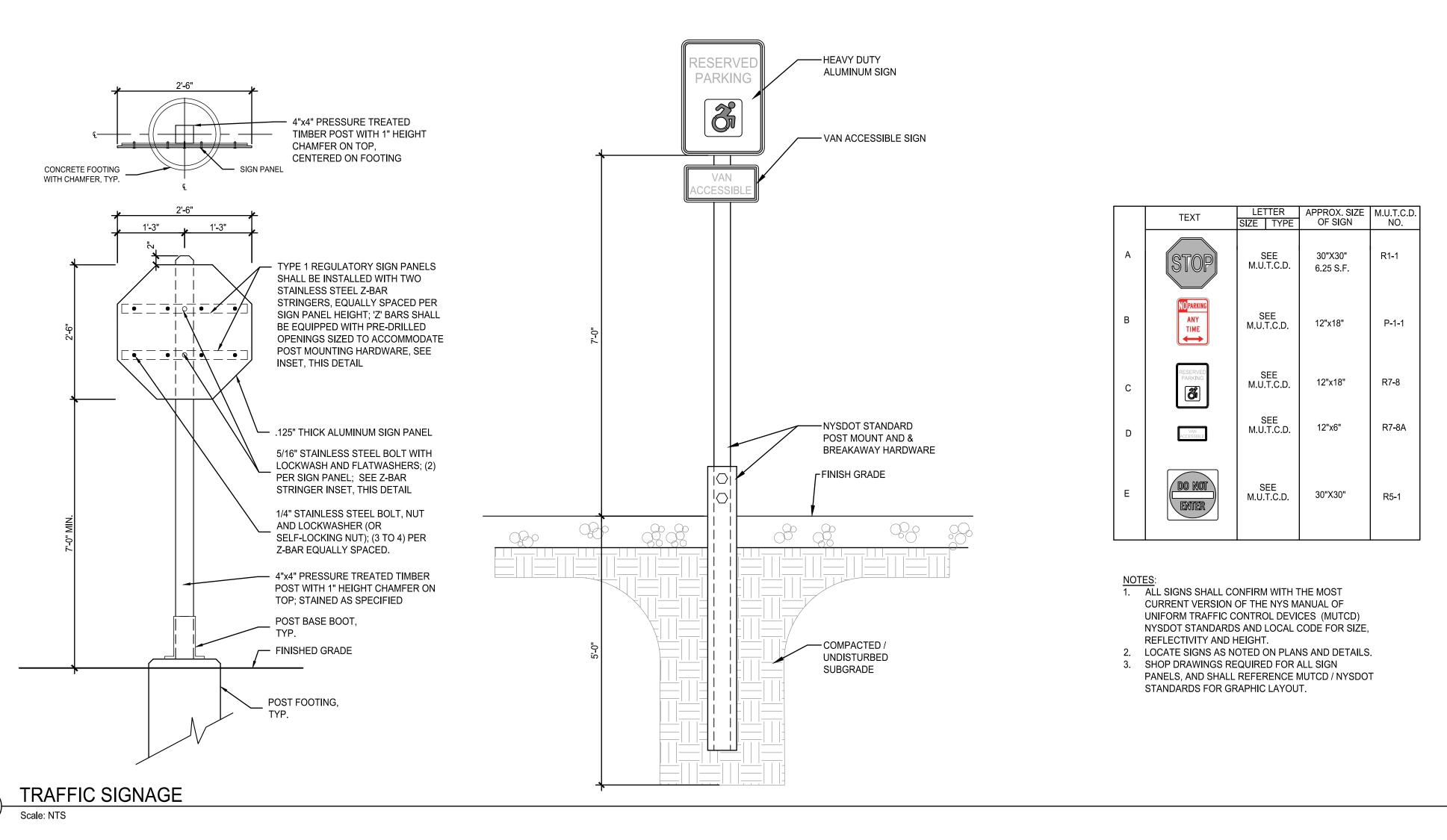
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2021110.02 KAM/SEB Ch'k'd: MJT 02/20/2022 Scale:

Drawing Title SITE DETAILS

Drawing No.



FULL CUTOFF LED LIGHT FIXTURE - 20' TALL POLE WITH FULL CUTOFF LED LIGHT FIXTURE - ANCHOR AS PER CONCRETE BASE TO BE -MANUFACTURER'S FLUSH IN ALL SIDEWALK RECOMMENDATIONS AREAS PROVIDE EXPANSION JOINT. — 1" CHAMFER IN ALL LAWN OR PLANT BED AREAS FINISHED GRADE — SIDEWALK AREAS LAWN AREAS CONDUIT, BY OTHERS - 4000 PSI CONCRETE BASE. PROVIDE (6) #5 VERTICAL BARS EVENLY. SPACED AND #4 HORIZONTAL BARS 12" 6" COMPACTED O.C., 3" COVER ALL SIDES. GRAVEL BASE COMPACTED SUBGRADE — GROUND ROD PER NEC 18" DIA. REQUIREMENTS

FENCE PANEL .875" X 6"
CAP, TYP.

FRAME/POSTS
TYP.

FINISHED
GRADE

1.5" X 5.5", METAL REINFORCEMENT
CHANNEL INCLUDED IN BOTTOM RAIL, TYP.

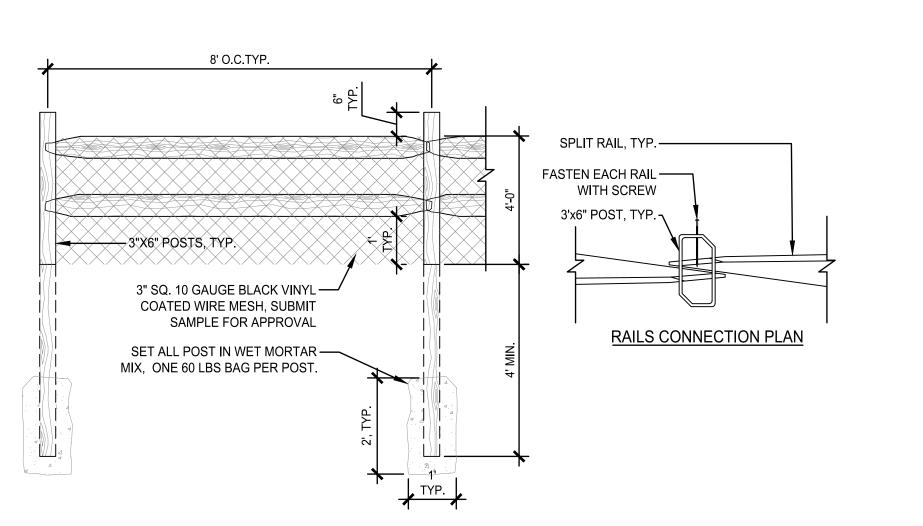
UNDISTURBED SUBGRADE, TYP.

15" Ø 3,000 PSI CONCRETE FOOTING
SLOPE TOP 1/4"/FT. ON ALL POSTS, TYP.

PRIVACY FENCE

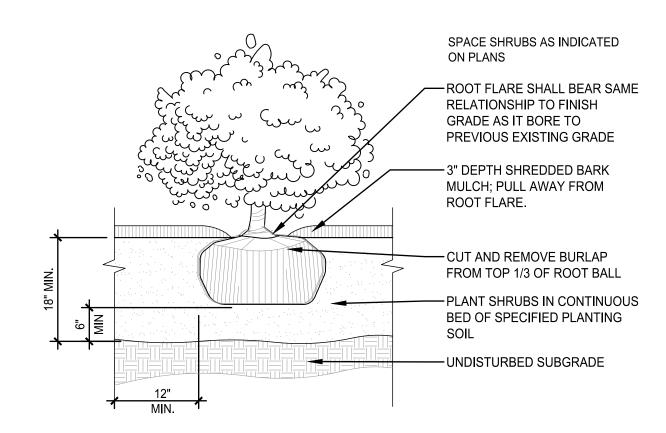
SITE LIGHT FIXTURE

Scale: NTS

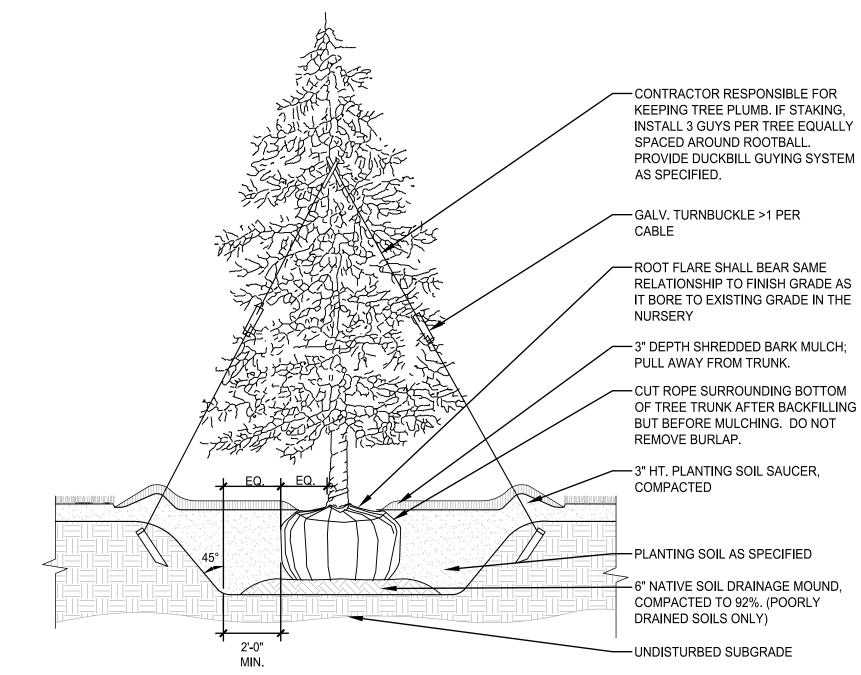


5 SPLIT RAIL FENCE WITH MESH

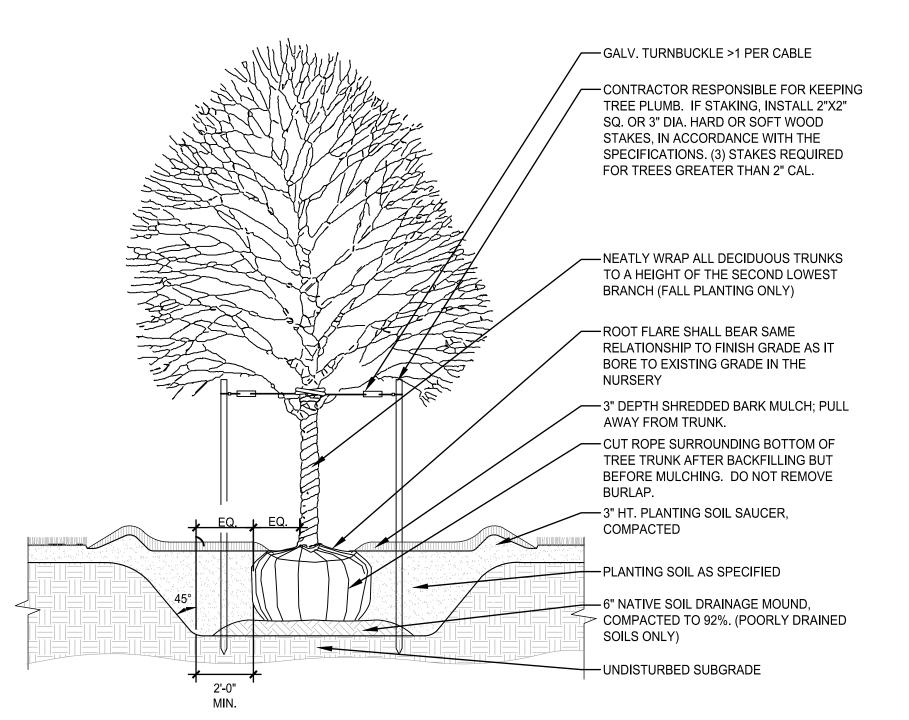
NOT USED



7 SHRUB PLANTIN



EVERGREEN TREE PLANTING



9 DECIDUOUS TREE PLANTING

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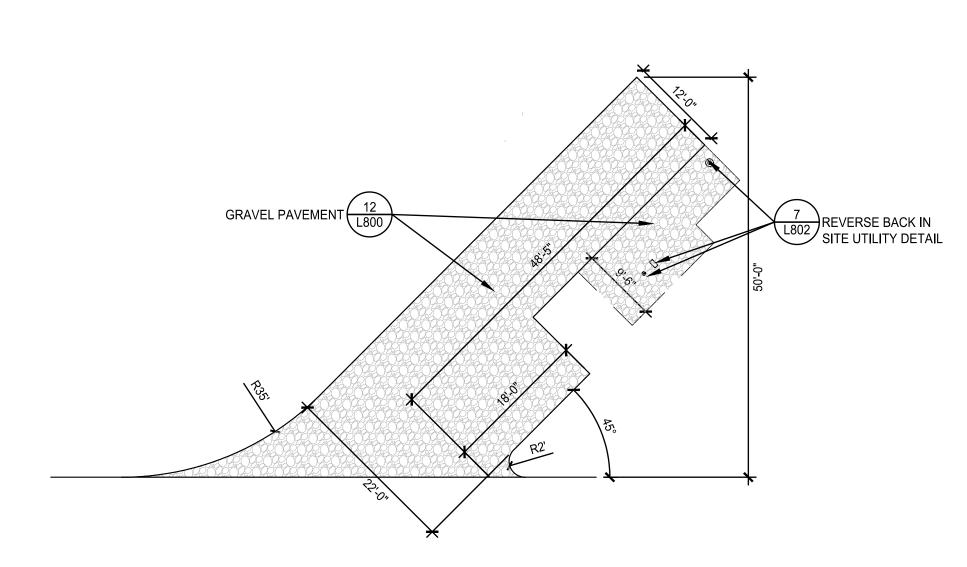
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SITE DETAILS

Drawing No.

L-801

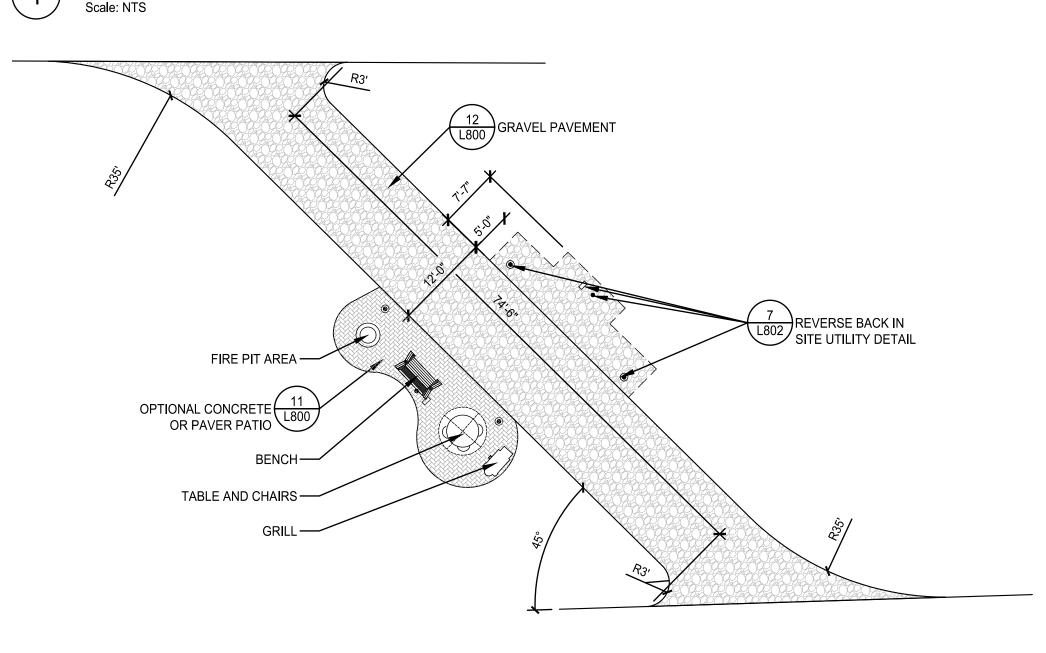
3 NOT USED
Scale: NTS

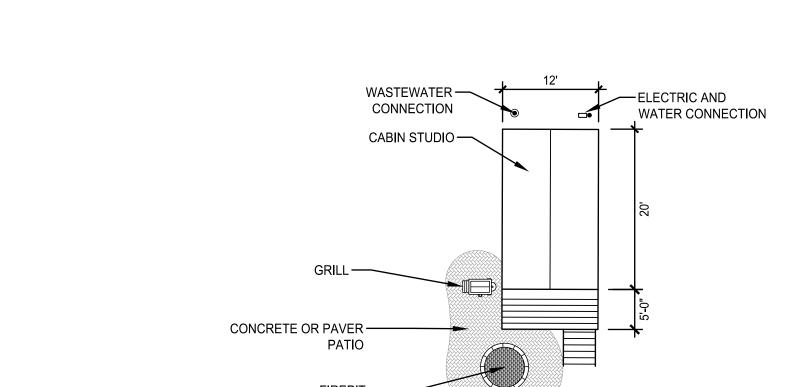
2024 9:39 AM oj-2021\2021110.02_KOA_Lak



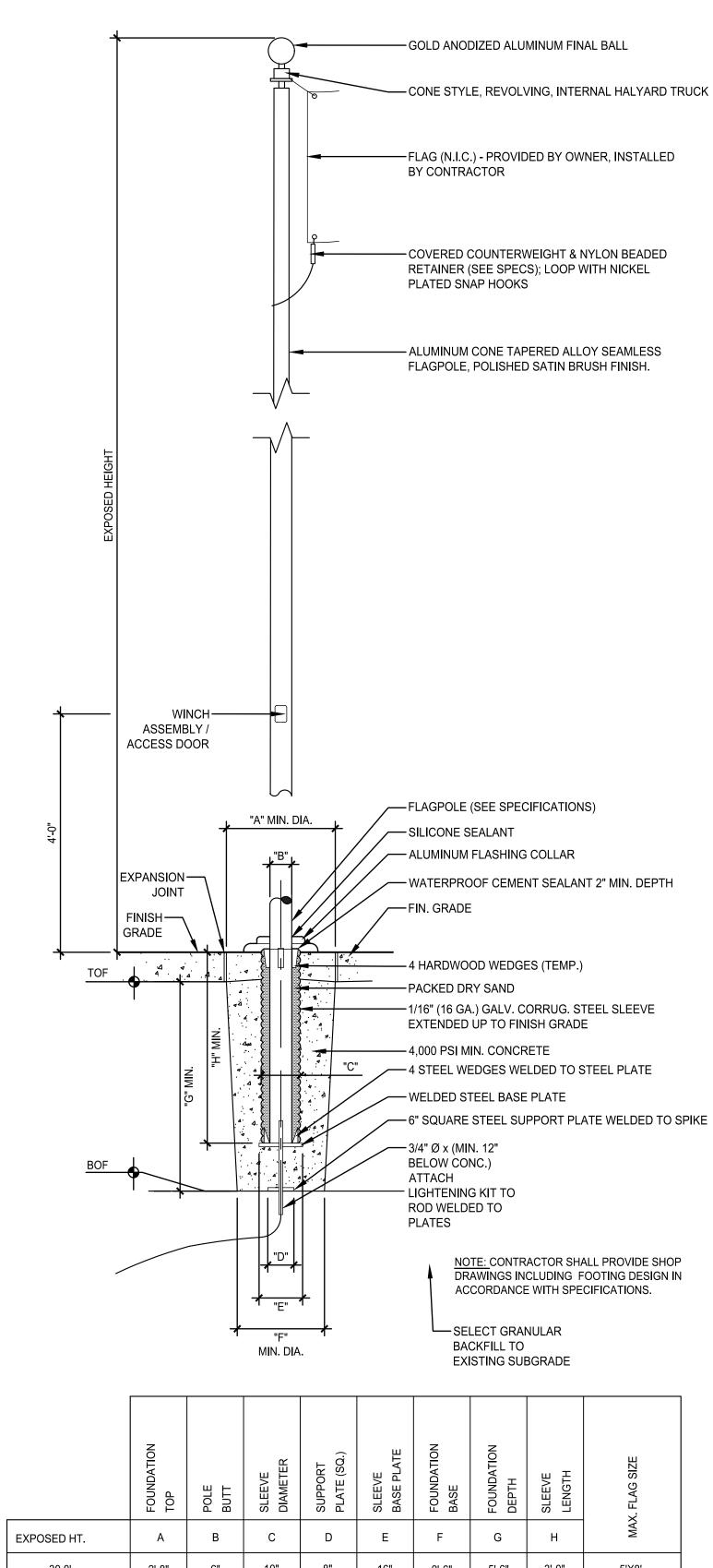
TYPICAL REVERSE BACK-IN RV CAMPSITE

STANDARD PULL THROUGH RV SITE



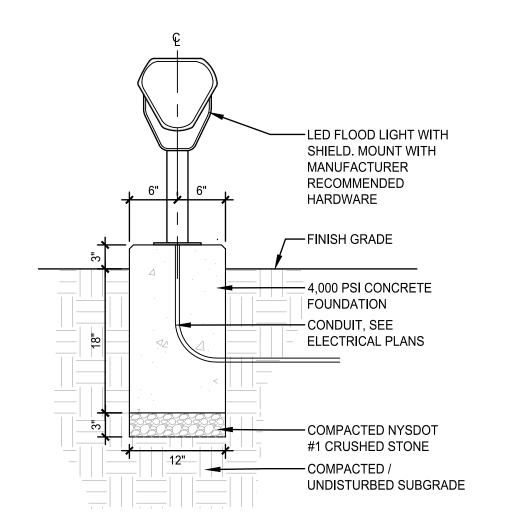


TYPICAL STUDIO CABIN Scale: NTS



	FOUNDATION TOP	POLE BUTT	SLEEVE DIAMETER	SUPPORT PLATE (SQ.)	SLEEVE BASE PLATE	FOUNDATION BASE	FOUNDATION DEPTH	SLEEVE LENGTH	X. FLAG SIZE
EXPOSED HT.	Α	В	С	D	Е	F	G	Н	MAX
30.0'	2'-8"	6"	10"	8"	16"	2'-6"	5'-6"	3'-0"	5'X8'

4 FLAGPOLE
Scale: NTS

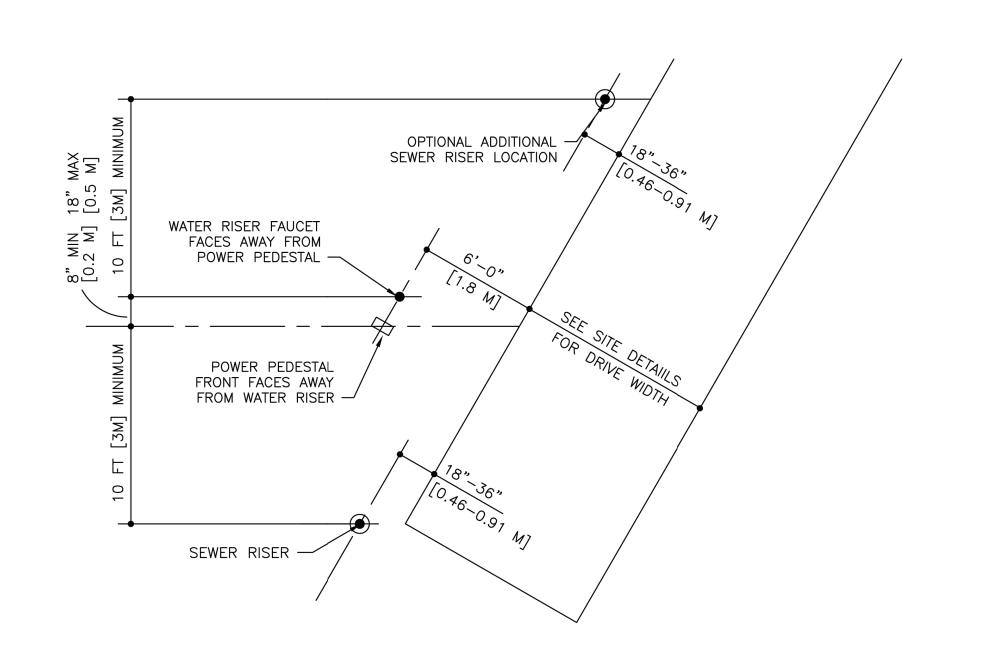


5 FLAGPOLE LIGHT

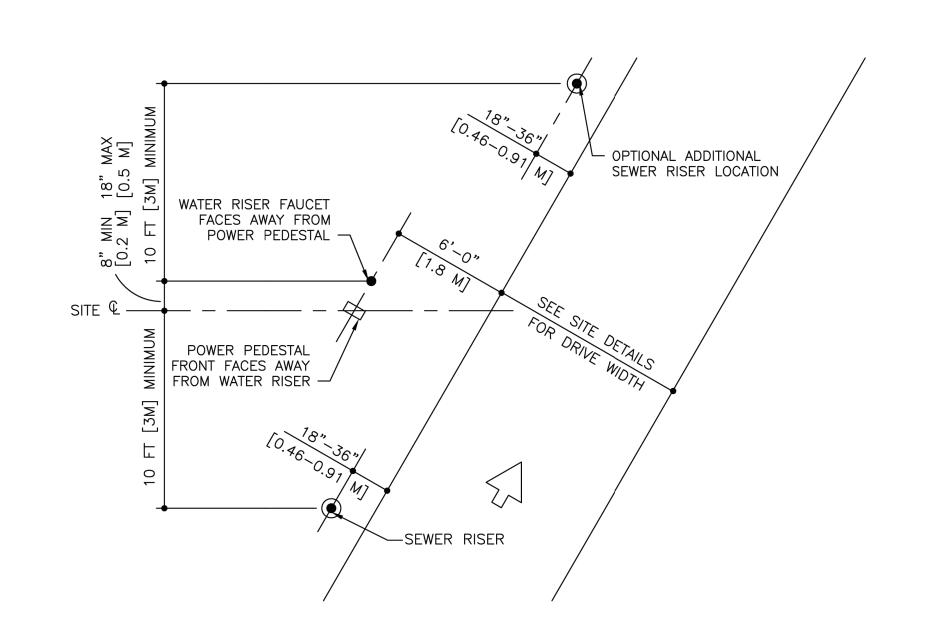


1. THE SIGN WILL BE 8' WIDE BY 10' IN HEIGHT. 2. IT WILL BE HELD IN PLACE BY WOODEN 4X4 POSTS WHICH WILL BE STAINED OR PAINTED. 3. THERE WILL BE DOWN LIGHTING OR SMALL LIGHTS POINTED AT THE SIGN TO ILLUMINATE IT.

FREE STANDING SIGN



REVERSE BACK-IN SITE UTILITY DETAIL



STANDARD PULL THROUGH SITE UTILITY LAYOUT DETAIL

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Project Title:

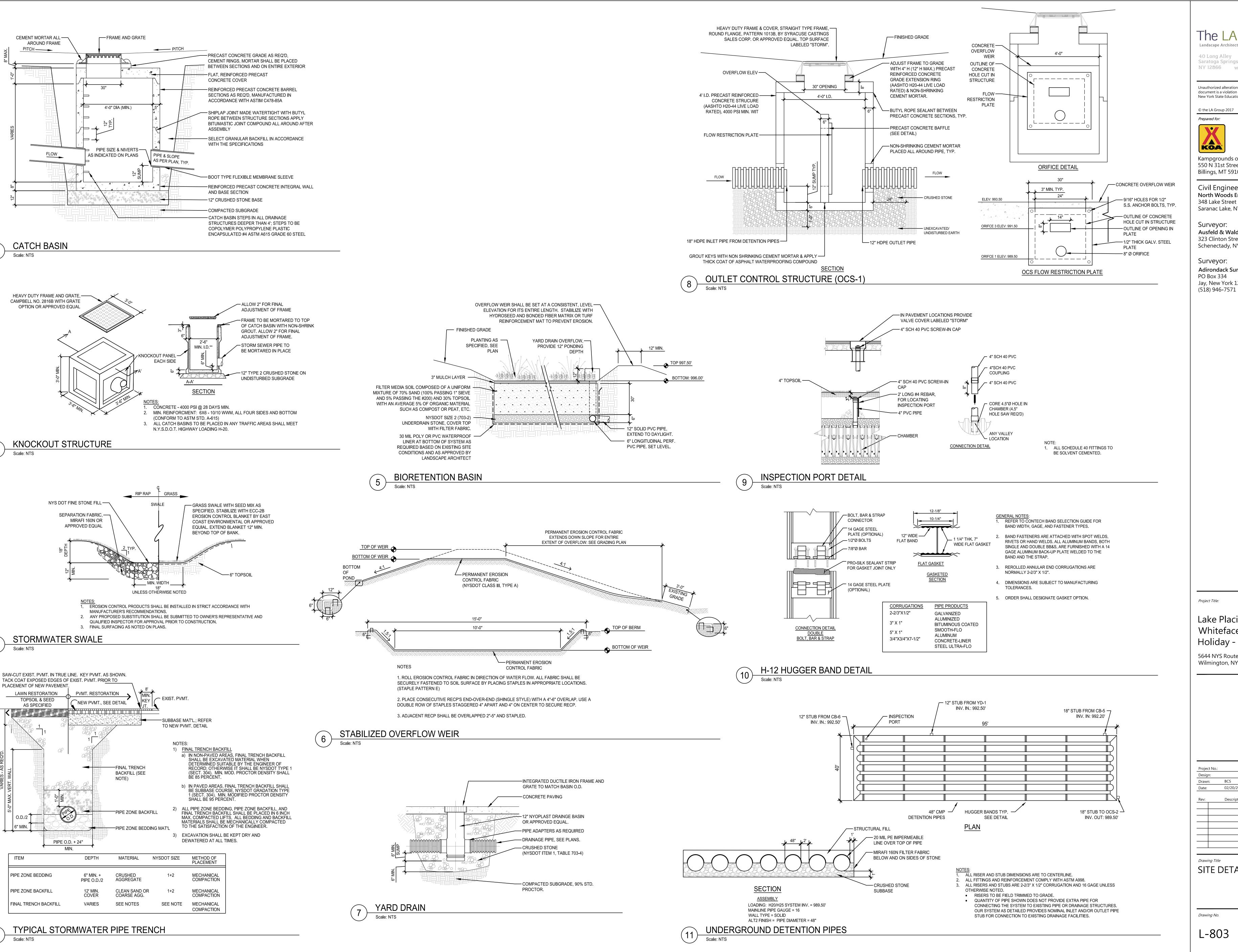
Lake Placid / Whiteface Mtn KOA Holiday - Riverside

5644 NYS Route 86 Wilmington, NY 12997

KAM/BCS Ch'k'd: MJT 02/20/2024 Scale:

Drawing Title SITE DETAILS

Drawing No.



Landscape Architecture & Engineering P.C. People. Purpose. Place.

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KOA

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Project Title:

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> 2021110.02 BCS Ch'k'd: 02/20/2024 Scale:

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Drawing No.

GENERAL NOTES

- EXISTING CONDITIONS DATA WAS COMPILED USING A SURVEY TITLED "TOPOGRAPHIC SURVEY OF CERTAIN LANDS OF KAMPGROUNDS OF AMERICA KNOWN AS RIVERSIDE" BY ADIRONDACK SURVEYING PLLC, DATED MAY 17, 2022.
- 2. PRIOR TO COMMENCING ANY EXCAVATION WORK. THE CONTRACTOR SHALL CONTACT U.F.P.O. (1-800-962-7962) AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY HAVING JURISDICTION TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY COSTS INCURRED BY THE CONTRACTOR DUE TO FAILURE TO CONTACT THE PROPER AUTHORITIES SHALL BECOME THE RESPONSIBILITY OF THE
- 3. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS. PROPOSED LIGHTING FOOTINGS. ETC.). EXCAVATION REQUIRED WITHIN PROXIMITY OF UTILITY LINES SHALL BE DONE BY HAND. ANY DAMAGE AND INCURRED COSTS DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- 4. THE GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCY BETWEEN THE PLANS AND THE ACTUAL FIELD CONDITIONS TO THE OWNER.
- 5. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE LIMITS OF WORK LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL MEET LINE AND GRADE OF EXISTING CONDITIONS AT LIMIT OF WORK.
- 6. THE CONTRACTOR SHALL ESTABLISH PERMANENT BENCH MARKS. MAINTAIN ALL ESTABLISHED BOUNDS AND BENCH MARKS AND REPLACE ANY WHICH ARE DESTROYED OR DISTURBED.
- 7. CONTRACTOR SHALL EMPLOY SPECIAL CARE IN SCHEDULING CONSTRUCTION SO AS TO MAINTAIN EXISTING VEHICULAR TRAFFIC PATTERNS, AND MINIMIZE DISRUPTION TO SURROUNDING PEDESTRIAN TRAFFIC. CONTRACTOR SHALL EMPLOY SPECIAL CARE TO PROTECT SAFETY OF PEDESTRIANS INSIDE AND OUTSIDE OF THE LIMIT OF WORK LINE.
- 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS FROM ALL JURISDICTIONS AFFECTED BY THIS WORK ARE IN PLACE PRIOR TO CONSTRUCTION. FOR PERMITS ALREADY ISSUED, CONTRACTOR SHALL OBTAIN COPIES OF PERMITS AND STRICTLY ADHERE TO PERMIT CONDITIONS. PERMITS THAT ARE OUTSTANDING SHALL BE SECURED BY THE CONTRACTOR AND COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- 9. ALL ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON "RECORD
- 10. STORAGE AREAS FOR THE GENERAL CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE LOCATED WITHIN THE LIMITS OF WORK AS SHOWN ON THE PLANS OR AS APPROVED BY THE OWNER.
- 11. SHOULD ANYTHING BE OMITTED FROM THE PLANS WHICH IS NECESSARY FOR A COMPLETE UNDERSTANDING OF THE WORK, OR SHALL ANY ERROR APPEAR IN THE VARIOUS INSTRUMENTS FURNISHED OR IN THE WORK BY OTHER CONTRACTORS AFFECTING THE WORK COVERED HEREBY. THE CONTRACTOR SHALL AND WILL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE. AND IN THE EVENT OF THE CONTRACTOR'S FAILURE TO DO SO, HE SHALL AND WILL MAKE GOOD OF ANY DAMAGE OR DEFECT IN HIS WORK CAUSED THEREBY.
- 12. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXISTING INFRASTRUCTURE FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS EFFORTS OF DEMOLITION, REMOVALS AND OR RELOCATION WORK WITH ALL TRADES. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- 14. CONTRACTOR TO COMPLY WITH ALL OSHA AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION.
- 15. CONTRACTOR SHALL MAINTAIN NECESSARY TRAFFIC CONTROL DEVICES, DRUMS, DELINEATORS, SIGNS, FENCES, AND BARRICADES IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL MUTCD WITH NYS SUPPLEMENT TO PROPERLY PROTECT WORK, EQUIPMENT, PERSONS, AND PROPERTY FROM DAMAGE. ALL DAILY TRAFFIC IN THE VICINITY OF THE SITE SHALL NOT BE IMPEDED.

SITE PREPARATION & SITE DEMOLITION NOTES

- 1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ARRANGE PRE-CONSTRUCTION MEETING WITH OWNER'S REPRESENTATIVE TO REVIEW ALL APPLICABLE PERMIT CONDITIONS, THE CONSTRUCTION PLANS AND GENERAL CONSTRUCTION SCHEDULE.
- 2. CONTRACTOR SHALL REFER TO PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO MOBILIZATION / CONSTRUCTION. ALL WORK SHALL BE IN ACCORDANCE WITH THE PROJECT SWPPP. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES. REFER TO PROJECT PLANS, NOTES AND DETAILS.
- 3. 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.
- 4. CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL TO FULL DEPTH WITHIN LIMIT OF GRADING BEFORE COMMENCING EXCAVATION AND
- GRADING OPERATIONS. TOPSOIL SHALL NOT BE REMOVED FROM THE SITE, UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.
- 5. THE CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY AND PAY ALL ASSOCIATED COSTS.
- 6. CONTRACTOR SHALL ABIDE BY ALL PERMITS THAT MAY BE REQUIRED FROM ALL JURISDICTIONS AFFECTED BY THIS WORK.
- 7. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
- 8. BEFORE ANY CLEARING IS DONE. THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER TO IDENTIFY TREES WHICH ARE TO BE PROTECTED OR REMOVED. DO NO CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
- 9. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION. THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAW CUT TO A CLEAN. SMOOTH AND SHARP EDGE AND PROTECTED UNTIL ABUTTING MATERIALS ARE INSTALLED.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE OWNER'S REPRESENTATIVE ON ALL MATERIALS TO BE REMOVED AND RECYCLED/DISPOSED OF OFF SITE, ALL HANDLING OF MATERIALS TO BE REMOVED. RECYCLED, OR DISPOSED OF MUST BE DONE SO IN A SAFE, LEGAL MANNER, IN ACCORDANCE WITH ALL LOCAL, COUNTY, STATE, FEDERAL AND ANY OTHER APPLICABLE REGULATIONS.
- 11. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH, INCLUDING BASE MATERIAL AND FOOTINGS OR FOUNDATIONS, UNLESS OTHERWISE NOTED.
- 12. EXISTING ITEMS INDICATED TO BE SALVAGED OR STOCKPILED SHALL BE CAREFULLY REMOVED AND STORED AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 13. TREE, SHRUB AND VEGETATION REMOVAL SHALL INCLUDE THE FELLING, 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. PITS/HOLES REMAINING AFTER GRUBBING OPERATIONS SHALL BE BACKFILLED AND COMPACTED.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND PERFORMING ALL SITE DEMOLITION AND REMOVALS REQUIRED TO FACILITATE PROPOSED CONSTRUCTION.
- 15. FIELD VERIFY EXISTING UTILITIES AND RESPECTIVE CONNECTIONS AND REPORT FINDINGS TO OWNER'S REPRESENTATIVE. IF UTILITIES MUST REMAIN IN SERVICE, PROTECT AGAINST DAMAGE AND MAINTAIN INTEGRITY OF SYSTEM.

LAYOUT NOTES:

- 1. ALL LINE AND GRADE INFORMATION SHALL BE LAID OUT BY A NEW YORK STATE LICENSED SURVEYOR ENGAGED BY THE CONTRACTOR.
- 2. ALL NEW WORK SHALL BE STAKED OUT PRIOR TO CONSTRUCTION. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES. FIELD ADJUSTMENTS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 3. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE NOTED.
- 4. DIMENSIONS TO CURBS ARE FROM FACE OR BOTTOM OF CURB TO FACE OR BOTTOM OF CURB.
- FIELD ADJUSTMENTS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE AND IF NECESSARY APPROPRIATE MUNICIPAL OFFICIALS.
- 6. ALL PROPOSED WALKS, PAVEMENTS, LIGHTS AND SITE IMPROVEMENTS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 7. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- 8. ALL EXISTING UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE VERTICAL & HORIZONTAL POSITION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY GP-0-20-001. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED FOR THIS PROJECT IS IN ACCORDANCE WITH THE GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY
- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND GENERAL CONSTRUCTION SEQUENCING. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW THE PROJECT SWPPP FOR SPECIFIC REQUIREMENTS REGARDING EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT. A COPY OF THE SWPPP MUST BE MAINTAINED ON THE PROJECT SITE IN AN ACCESSIBLE LOCATION AT ALL TIMES DURING CONSTRUCTION.
- PRIOR TO ANY SITE WORK, ALL CONTRACTORS AND SUBCONTRACTORS RESPONSIBLE FOR CONSTRUCTION, REPAIR, AND MAINTENANCE OF ANY EROSION AND SEDIMENT CONTROLS OR STORMWATER DEVICES MUST SIGN/CERTIFY THE SWPPP AND IDENTIFY A 'TRAINED CONTRACTOR' AS TRAINED BY NYSDEC.
- PRIOR TO BEGINNING EARTHWORK ACTIVITY, THE CONTRACTOR SHALL SUBMIT A MOBILIZATION PLAN SHOWING PROPOSED STOCKPILE AND STAGING AREAS, HAUL/ACCESS ROADS, FIELD OFFICES AND EQUIPMENT STORAGE AREAS, AND A SCHEDULE DETAILING THE STAGING OF CONSTRUCTION TO THE QUALIFIED INSPECTOR (SWPPP INSPECTOR) AND OWNER'S REPRESENTATIVE FOR APPROVAL.
- THE CONTRACTOR SHALL NOT DISTURB MORE THAN (5) ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NYSDEC. ALL DISTURBED AREAS THAT DO NOT MEET THE DEFINITION OF "FINAL STABILIZATION" AS LISTED IN THE NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES MUST BE INCLUDED WHEN CALCULATING THE TOTAL AREA DISTURBED AT ANY ONE TIME. FINAL STABILIZATION CAN INCLUDE CRUSHED STONE, PAVEMENT, OR SEEDED LAWN WITH A MINIMUM DENSITY OF 80% COVERAGE.
- 6. EROSION CONTROL DEVICES SHALL BE INSPECTED DAILY AND MAINTAINED TO ENSURE SATISFACTORY PERFORMANCE AND COMPLIANCE WITH THE
- 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THE SWPPP FOR INSPECTION REPORTS, AND IMMEDIATELY MAKE REPAIRS AND CORRECTIONS NOTED. REMEDIATION WORK THAT IS REQUIRED AS A RESULT OF FAILING TO MAKE REPAIRS SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 8. ANY CHANGES TO THE SWPPP PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE QUALIFIED INSPECTOR AND INCORPORATED INTO THE SWPPP PRIOR TO IMPLEMENTATION.
- 9. ANY DEVIATIONS FROM OR CONSTRUCTION CONFLICTS WITH THE PROJECT SWPPP SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR PROPOSES A REVISED STAGING, SEQUENCING AND/OR MOBILIZATION PLAN, A MODIFIED PLAN MUST BE SUBMITTED TO THE QUALIFIED INSPECTOR FOR APPROVAL.
- 10. THE CONTRACTOR SHALL INITIATE TEMPORARY AND PERMANENT STABILIZATION MEASURES AS SOON AS PRACTICABLE IN ACCORDANCE WITH THE
- 11. ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE PLANS AND PROJECT SWPPP. IN ADDITION TO WHAT IS SHOWN ON PLANS, ANY SLOPES GREATER THAN 3:1 DISTURBED AS PART OF CONSTRUCTION SHALL BE STABILIZED IN ACCORDANCE WITH PROJECT DETAILS AND SWPPP.
- 12. EROSION AND SEDIMENT CONTROL PROTECTIONS SHOWN ON THE PLANS REPRESENT THE MINIMUM MEASURES NECESSARY. ADDITIONAL MEASURES AND DEVICES MAY BE NEEDED DUE TO SITE SPECIFIC CONDITIONS OR CHANGING CONDITIONS DUE TO CONSTRUCTION, IN ORDER TO MAINTAIN
- 13. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND THE AREA IS STABILIZED AND APPROVED BY THE QUALIFIED INSPECTOR.

COMPLIANCE WITH THE SWPPP AND GENERAL PERMIT, AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

TYPICAL EROSION AND SEDIMENT CONTROL SEQUENCING

CONSTRUCTION ASSOCIATED WITH EROSION AND SEDIMENT CONTROL SHALL TYPICALLY PROCEED IN THE FOLLOWING SEQUENCE. ANY DEVIATIONS OR ADJUSTMENTS TO THE TYPICAL SEQUENCING SHALL BE APPROVED BY THE QUALIFIED INSPECTOR. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED IN STRICT ACCORDANCE WITH THE PROJECT STORMWATER POLLUTION PREVENTION PLAN. AND CONTRACT DOCUMENTS.

- PRE-CONSTRUCTION AND SITE PREPARATION PRE CONSTRUCTION MEETING - PROTOCOL MAY BE MODIFIED BY DESIGNATED QUALIFIED INSPECTOR.
- DEFINE INSPECTION SCHEDULE, REVIEW STORMWATER POLLUTION PREVENTION PLAN. DEFINE LIMITS OF DISTURBANCE AND CLEARING LIMITS.
- INSTALL TREE PROTECTION, AND WETLAND PROTECTION FENCE IF REQUIRED.
- INSTALL STABILIZED CONSTRUCTION ACCESS AND INITIAL STAGING AREAS. INSTALL PERIMETER EROSION CONTROL INCLUDING SILT FENCE, FILTER SOCKS, ETC.
- 7. CLEAR AND GRUB EXISTING VEGETATION.

TEMPORARY RUNOFF AND DRAINAGE CONTROL TEMPORARILY STABILIZE CLEARED AREAS THAT WILL NOT BE DISTURBED WITHIN 14 DAYS.

9. INSTALL ADDITIONAL PERIMETER EROSION CONTROL IN CLEARED AREAS AS NEEDED. 10. INSTALL INLET PROTECTION

EARTHWORK AND SITE CONSTRUCTION

. STRIP & STOCKPILE TOPSOIL.

12. INSTALL INFRASTRUCTURE, INCLUDING CATCH BASINS WITH INLET PROTECTION, PIPING, AND PERMANENT DRAINAGE STRUCTURES. PERFORM ROUGH GRADING.

TEMPORARY STABILIZATION OF WORK AREA

- 14. STABILIZE ALL BARE SOIL AREAS AS SOON AS PRACTICAL AND IN ACCORDANCE WITH THE SWPPP. 15. INSPECT ALL PERIMETER EROSION CONTROL AND REPAIR AS NEEDED AND/OR DIRECTED.
- 16. INSTALL/REPAIR ALL INLET / OUTLET PROTECTION, AND STRUCTURAL STABILIZATION SUCH AS EROSION CONTROL BLANKETS, RIP RAP, AND CHECKDAMS
- 17. REMOVE SEDIMENT FROM TRAPPING DEVICES IN ACCORDANCE WITH THE SWPPP.

PERMANENT STABILIZATION

- B. PERFORM SOIL RESTORATION, DECOMPACTION AND FINISHED GRADING. 19. INSTALL SOD OR SEED. MULCH ALL GRASSED AREAS AND STABILIZE SLOPES IN ACCORDANCE WITH THE SWPPP AND CONTRACT DOCUMENTS.
- 20. INSTALL PROPOSED PLANT MATERIALS.

SUBSTANDARD IN SIZE SHALL BE REJECTED.

- 21. RECEIVE CERTIFICATION OF FINAL STABILIZATION FROM QUALIFIED INSPECTOR. 22. CLEAN ALL STORMWATER SYSTEMS OF SEDIMENT, TRASH, AND DEBRIS.
- 23. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ONLY WHEN WORK AREAS ARE APPROVED AS STABILIZED BY THE QUALIFIED INSPECTOR.

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. ALL CONTAINER GROWN PLANTS SHALL BE PREMIUM QUALITY AND APPEAR 'FULL' IN HEIGHT AND WIDTH WITHIN THE POT. PLANTS DEEMED
- ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN UNLESS OTHERWISE NOTED ON PLANT LIST.
- 5. IN GENERAL, PLANT SPECIES SUBSTITUTIONS WILL NOT BE ACCEPTED. IF SPECIFIED MATERIAL IS NOT OBTAINABLE, CONTRACTOR SHALL SUBMIT PROOF OF NON-AVAILABILITY TO LANDSCAPE ARCHITECT ALONG WITH PROPOSED SUBSTITUTION. 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.

4. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.

- 6. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE.
- NEW SHRUBS AND GROUND COVER SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS IT BORE TO PREVIOUS GRADE. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.
- 8. ALL PLANT BEDS TO RECEIVE THREE INCHES (3") OF BARK MULCH UNLESS OTHERWISE SPECIFIED.
- 9. ALL AREAS PROPOSED FOR LAWN SEEDING SHALL RECEIVE A MINIMUM OF 6" OF SUITABLE TOPSOIL PRIOR TO SEEDING. ALL DISTURBED AREAS NOT SCHEDULED FOR PROPOSED WORK SHALL RECEIVE FOUR INCHES (4") OF SUITABLE TOPSOIL PRIOR TO SEEDING.
- 10. PLANTS SHALL BE DELIVERED ONLY AS THEY CAN BE INSTALLED IN REASONABLE TIME. ALL PLANTS ARE SUBJECT TO INSPECTION AT DELIVERY BY THE LANDSCAPE ARCHITECT/OWNER'S REPRESENTATIVE.
- 11. IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT LIST, THE PLANTING PLAN SHALL GOVERN.
- 12. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.

GRADING NOTES

- 1. ALL PROPOSED GRADES SHALL BE SET IN THE FIELD BY A NEW YORK STATE LICENSED LAND SURVEYOR.
- 2. 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.
- 3. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM SLOPE OF ONE-EIGHTH INCH (1/8") PER FOOT.
- 4. MAXIMUM CROSSPITCH OF ALL SIDEWALKS IS 2%. RAMPS SHALL NOT EXCEED 1 IN 12 OR 30' IN LENGTH. ANY DISCREPANCIES NOT ALLOWING THIS TO
- OCCUR SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- 5. SITE PAVEMENT SHALL MEET ALL BUILDING DOOR THRESHOLDS FLUSH AND IN ACCORDANCE WITH ADA GUIDELINES.
- 7. WHERE NEW PAVING MEETS EXISTING PAVING, NEW PAVING SHALL MEET THE LINE AND GRADE OF THE EXISTING PAVING.

6. ALL PROPOSED TOP OF VERTICAL CURB ELEVATIONS ARE SIX INCHES (6") ABOVE BOTTOM OF CURB UNLESS SHOWN OTHERWISE

- 8. SET CATCH BASIN AND DROP INLET RIMS TO DRAIN SURROUNDING AREAS AND AT SAME PITCH AS SLOPING PAVEMENT. IF STRUCTURE IS SHOWN
- ADJACENT TO CURB, SET GRATE TIGHT TO FACE OF CURB. 9. EXCAVATION REQUIRED WITHIN 3 FEET OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING
- UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO OWNER.
- 10. GRADE AREAS ADJACENT TO BUILDING LINES TO DRAIN AWAY FROM STRUCTURE AND PREVENT PONDING. FINISH SURFACES SHALL BE FREE FROM IRREGULAR SURFACE CHANGES.
- 11. EXCAVATION REQUIRED WITHIN DRIP LINE OF TREES DESIGNATED TO REMAIN SHALL BE DONE BY HAND. PLANT MATERIALS DAMAGED BY CONTRACTOR SHALL BE REPLACED IN KIND
- 12. SLOPE SIDES OF EXCAVATIONS TO COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION AND OSHA REGULATIONS. MAINTAIN SIDE SLOPES OF EXCAVATIONS IN A SAFE CONDITION UNTIL COMPLETION OF BACKFILLING.
- 13. THE GENERAL CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MAN HOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED ON THE UTILITY DRAWINGS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 14. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDINGS AT ALL TOP AND BOTTOM OF
- 15. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING DRAINAGE SYSTEM AT ALL TIMES. 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.

UTILITY NOTES

UNDERGROUND UTILITIES.

- 1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FOLLOWING UTILITY LOCATING REQUIREMENTS:
- 1.1. LOCATIONS, EXTENT, AND SIZES OF OVERHEAD AND UNDERGROUND UTILITIES AND SUBSTRUCTURES HAVE BEEN DETERMINED FROM RECORD MAPPING INFORMATION, AND SUPPLEMENTED BY DATA OBTAINED IN THE FIELD. THE ACCURACY OF THIS UTILITY DATA IS NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES AND SUBSTRUCTURES, WHETHER FUNCTIONAL OR ABANDONED, ARE SHOWN ON THE SURVEY.
- 1.2. THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK (800) 962-7962 AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY HAVING JURISDICTION TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
- 1.3. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR ADDITIONAL INFORMATION ON THE LOCATION OF EXISTING
- 1.4. ANY COSTS INCURRED BY THE CONTRACTOR DUE TO FAILURE TO COORDINATE AND CONTACT THE PROPER AUTHORITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
- . PRIOR TO CONSTRUCTION. WATER AND SEWER CONNECTIONS SHALL BE REVIEWED AND APPROVED BY THE THE AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH THEIR RESPECTIVE REQUIREMENTS
- 3. CONTRACTOR SHALL COORDINATE ALL REQUIRED UTILITY INSPECTIONS BY THE AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH THEIR RESPECTIVE REQUIREMENTS.
- 4. ALL UTILITY INSTALLATIONS SHALL BE IN ACCORDANCE WITH ALL REGULATORY, LOCAL MUNICIPAL AND BUILDING CODE REQUIREMENTS.
- 5. ALL SEWERS, WATER MAINS, DRAINAGE STRUCTURES AND OTHER UNDERGROUND FACILITIES, TOGETHER WITH APPURTENANCES, SHALL BE INSTALLED ONLY AFTER THE SUBGRADE HAS BEEN ESTABLISHED AND INSPECTED.
- 6. UTILITIES SHALL NOT BE BACKFILLED UNTIL INSPECTED AND APPROVED BY INSPECTING ENGINEER.
- 7. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF UTILITY STUBS AND FOOTING DRAINS FOR BUILDING CONNECTIONS WITH THE ARCHITECTURAL BUILDING PLANS PRIOR TO CONSTRUCTION. AND REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE.
- 8. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.) AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. ANY DAMAGE AND INCURRED COSTS DUE TO FAILURE OF THE CONTRACTOR TO VERIFY UTILITY LOCATIONS SHALL BE BORNE BY THE CONTRACTOR.
- 9. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH SITE UTILITY WORK AS REQUIRED BY THESE DRAWINGS. COORDINATE ANY WORK OUTSIDE THE LIMIT OF WORK WITH OWNER'S REPRESENTATIVE.
- 10. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT ROADWAYS AND DRIVEWAYS FOR THE DURATION OF CONSTRUCTION.

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Kampgrounds of America, Inc. 550 N 31st Street Billings, MT 59101

North Woods Engineering 348 Lake Street Saranac Lake, NY 12983

Civil Engineer:

Surveyor: Ausfeld & Waldruff 323 Clinton Street Schenectady, NY 12305

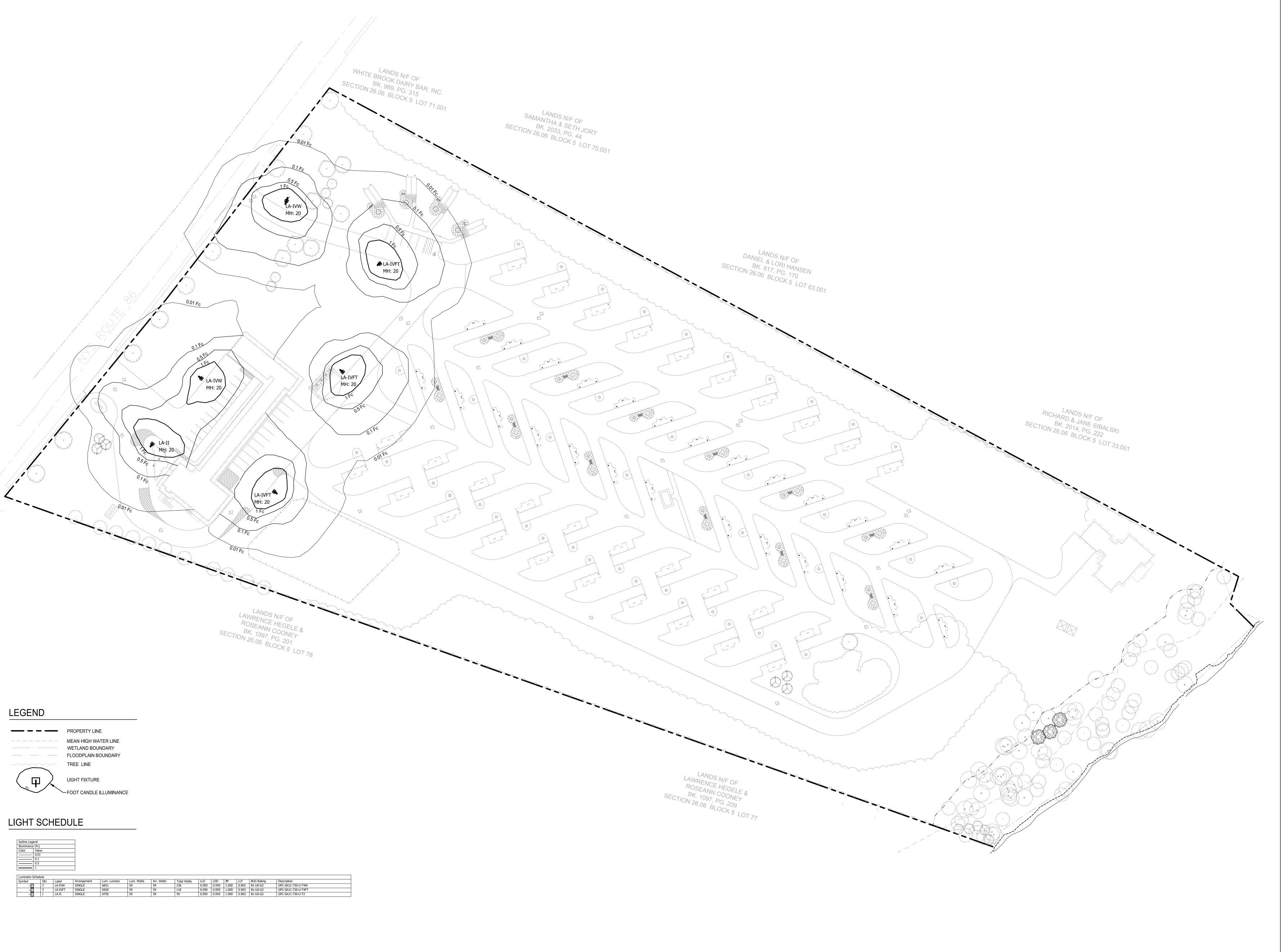
Surveyor: Adirondack Surveying PLLC PO Box 334 Jay, New York 12941 (518) 946-7571

Holiday - Riversic 5644 NYS Route 86 Wilmington, NY 12997

2021110.03 KAM Ch'k'd: 02/24/2024 Scale: 1"=40

Description:

NOTES



The LA GROUP

Landscape Architecture & Engineering P.C.

People. Purpose. Place.

40 Long Alley
Saratoga Springs
F: 518-587-0180

NY 12866

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Project Title:

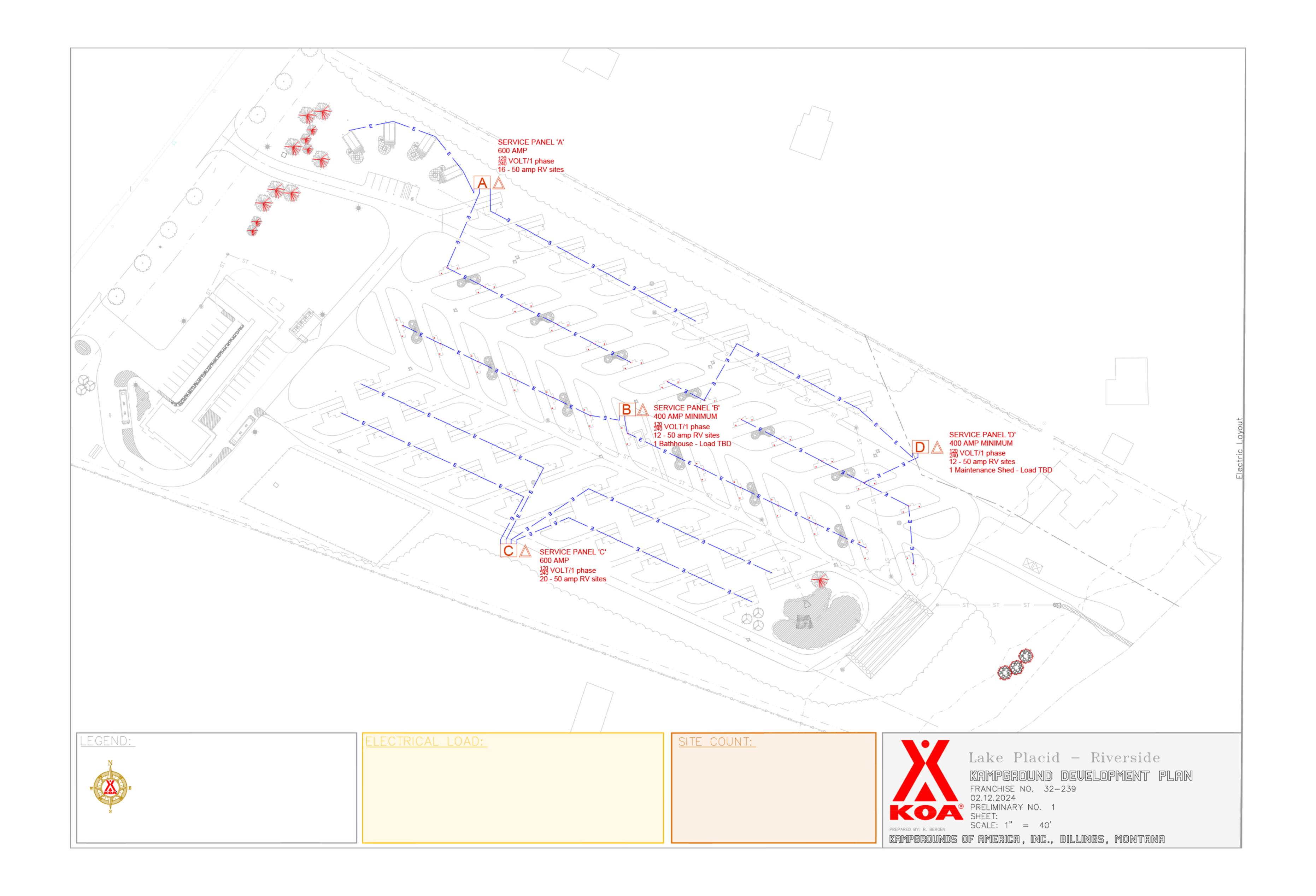
Lake Placid / Whiteface Mtn KOA Holiday - Riverside

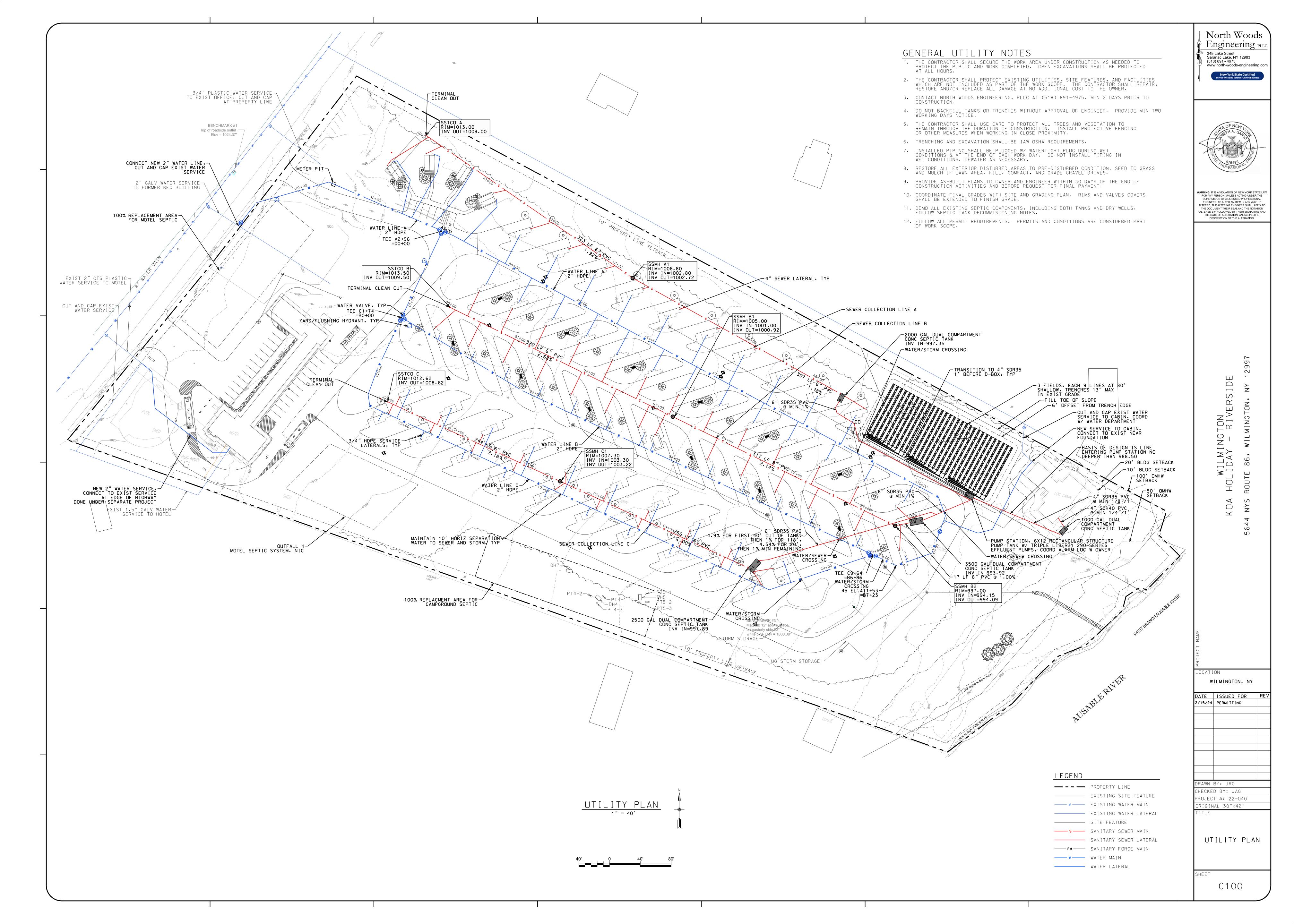
5644 NYS Route 86 Wilmington, NY 12997

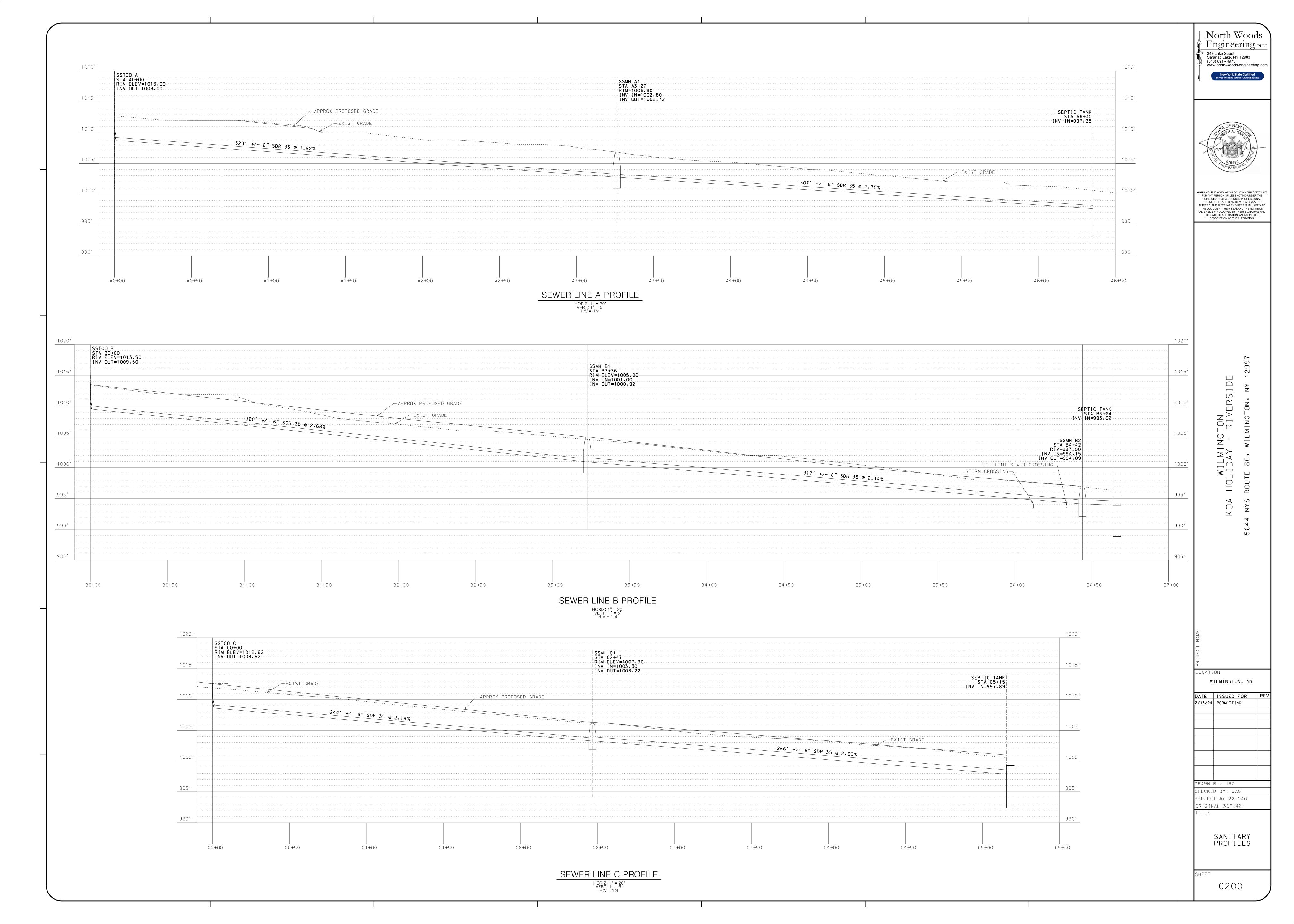
Project No.:			2021110.02
Design:			MJT
Drawn:	KAM	Ch'k'd:	MJT
Date:	02/20/2024	Scale:	1"=40'
Rev:	Description:		Date:

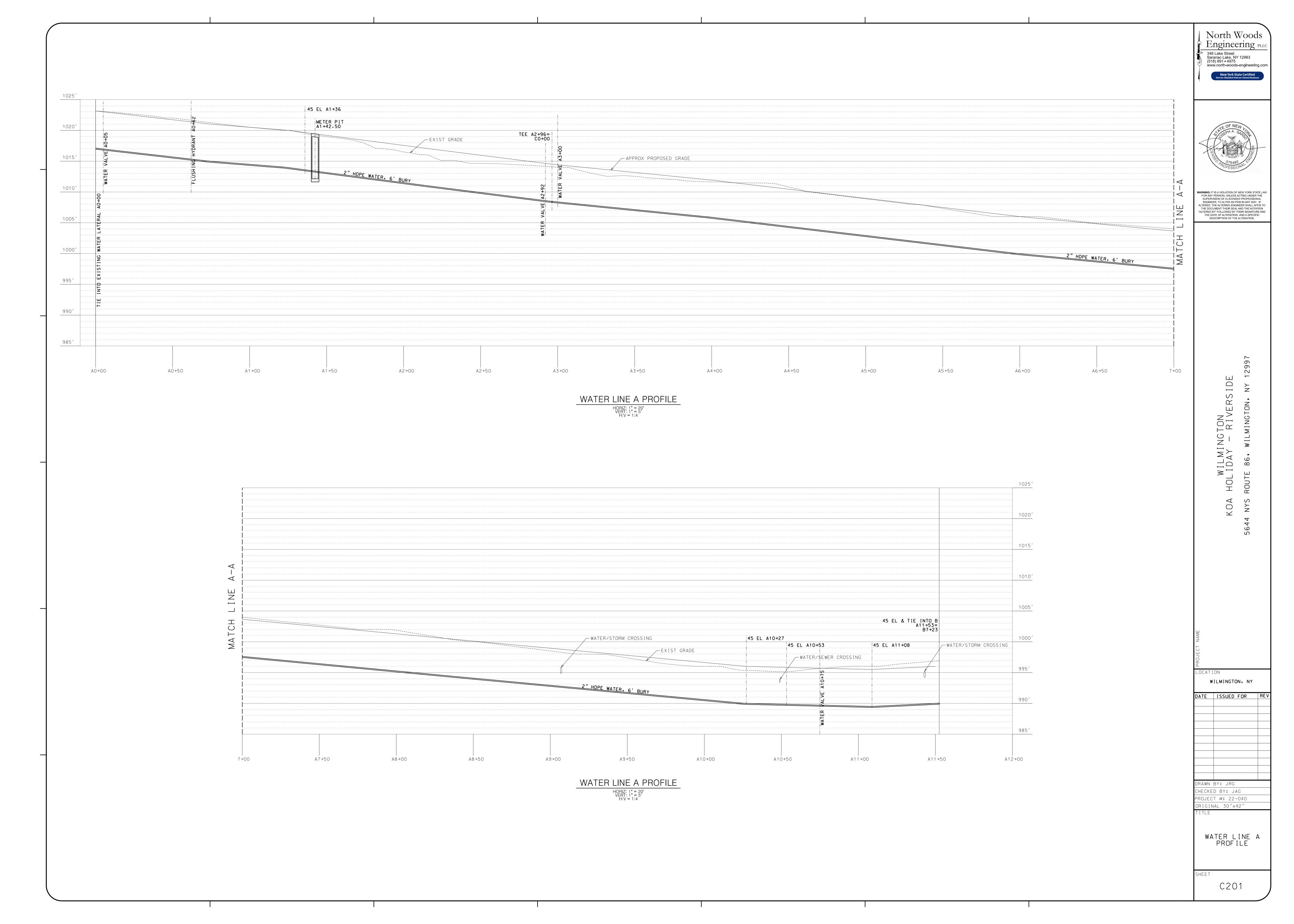
SITE
PHOTOMETRICS
PLAN

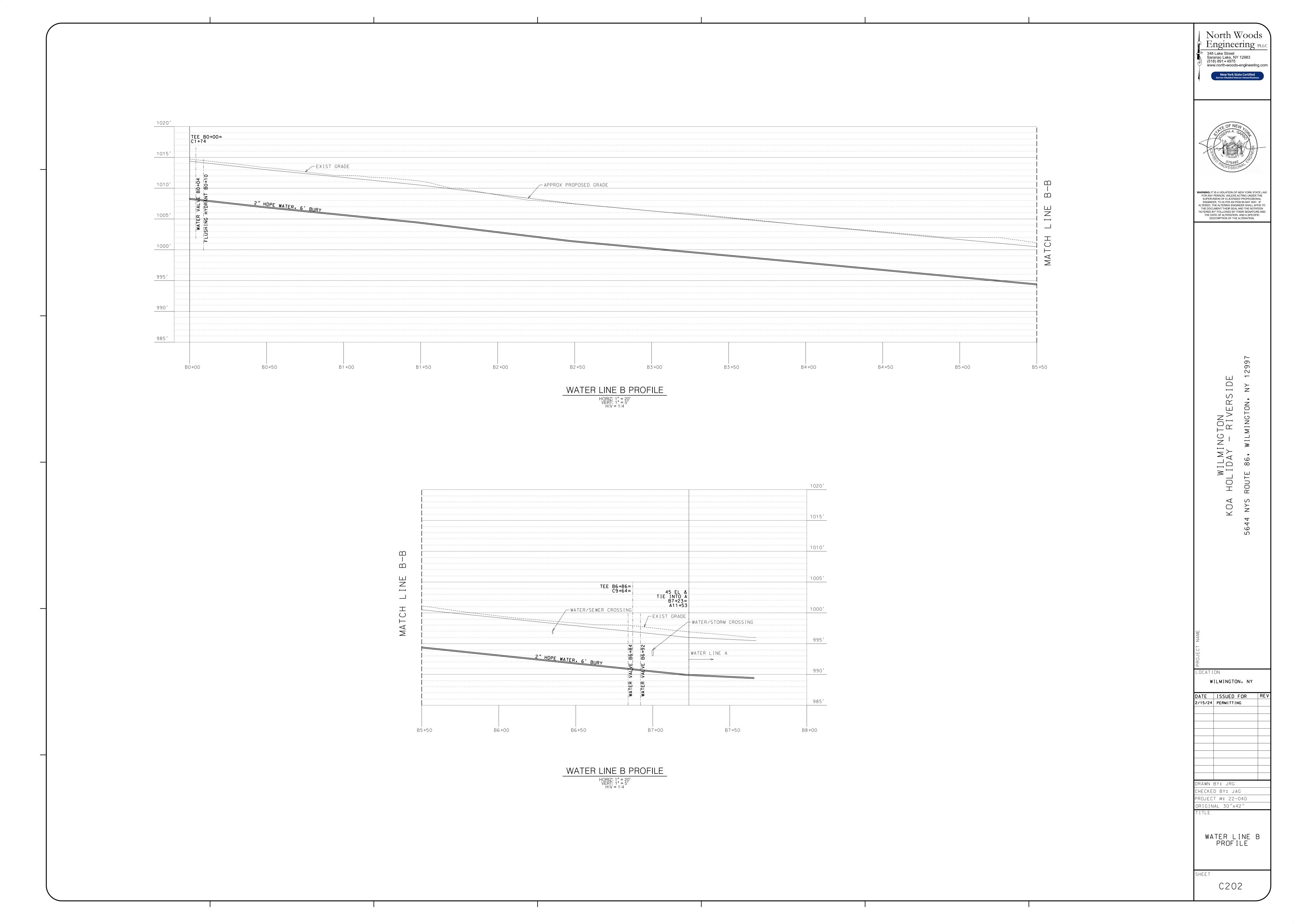
Drawing No.

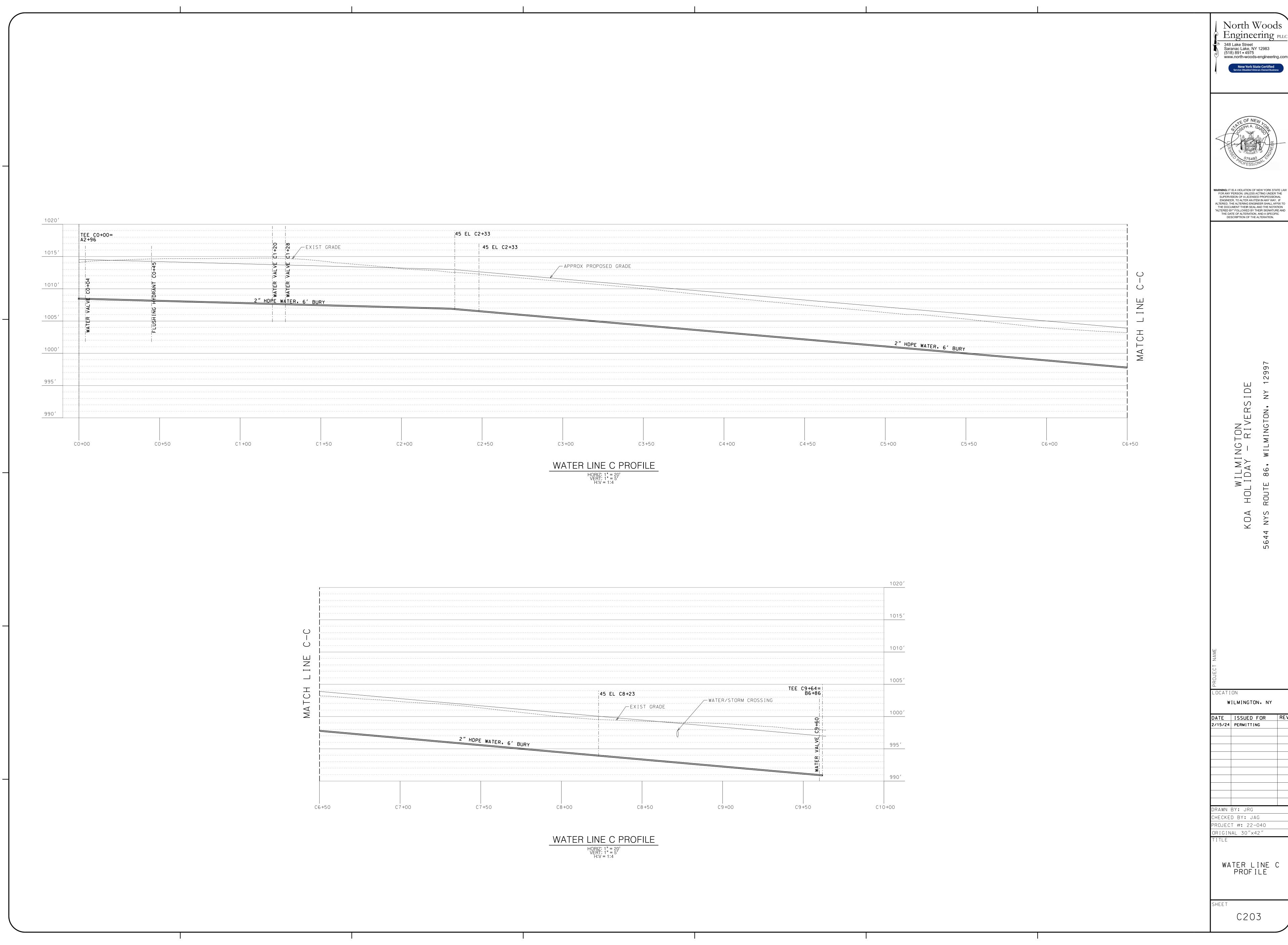












SHALLOW ABSORPTION TRENCH DETAIL

30"MAX

2'MIN - 2

6′MIN

SHGW, BEDROCK, OR IMPERMEABLE STRATA

LEVEL DISTRIBUTION PIPE -

4" PERFORATED SDR35

SHALLOW TRENCH DETAIL - DOSED SYSTEM

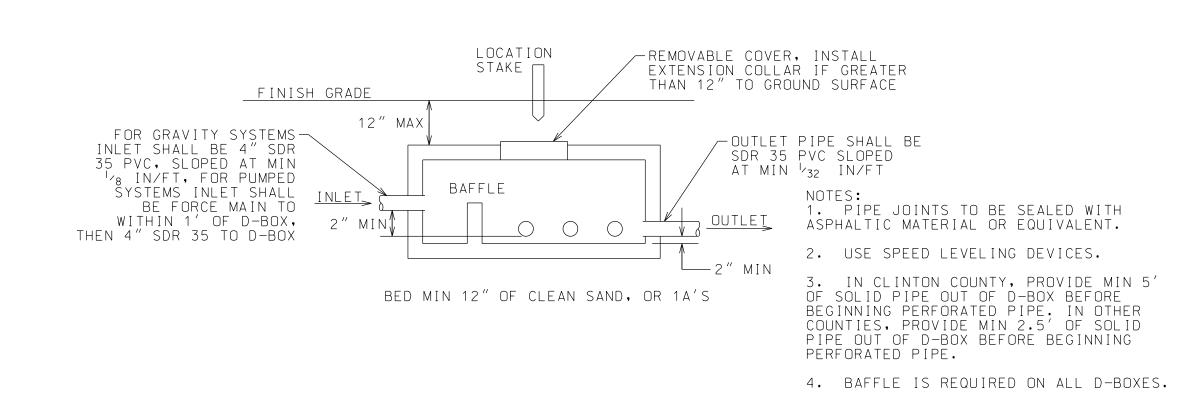
EXISTING USEABLE SOIL

I-60 MIN/INCH PERCOLATION RATE

⊢2" MIN

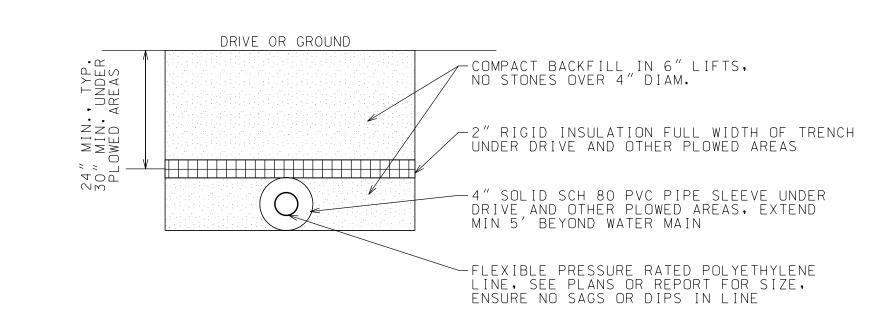
SHALLOW SYSTEM ABSORPTION FIELD CONSTRUCTION NOTES

- 1. CUT TREES AND STUMPS AT GRADE AND REMOVE, OTHER VEGETATION SHALL BE CUT AS CLOSE TO GRADE AS POSSIBLE AND REMOVED. ALL LEAVES, LIMBS AND BOULDERS ABOVE GRADE SHALL BE REMOVED.
- 2. FILL MATERIAL SHALL BE CAREFULLY PLACED WITHIN THE ABSORPTION AREA. THE EDGE OF THE FILL MATERIAL SHALL BE TAPERED BEGINNING AT LEAST SIX FEET BEYOND THE TRENCH. TAPER TO ORIGINAL GRADE AT A SLOPE NO GREATER THAN ONE VERTICAL TO THREE HORIZONTAL.
- 3. ON SLOPED SITES A DIVERSION DITCH OR BERM SHALL BE CONSTRUCTED ON THE UPHILL SIDE OF THE FILL MATERIAL TO PREVENT SURFACE RUNOFF FROM ENTERING THE FILL.
- 4. THE SHALLOW ABSORPTION TRENCH SYSTEM IS CONSTRUCTED IN THE FILL MATERIAL AND UPON OR IN EXISTING IN SITU SOIL. CONSTRUCTION OF TRENCHES AT LEAST SIX INCHES INTO EXISTING IN SITU SOIL IS PREFERRED TO UTILIZE A STABILIZED SIDEWALL INFILTRATIVE SURFACE, SEE PLANS AND REPORT FOR MAXIMUM TRENCH DEPTH INTO GROUND.
- 5. DO NOT INSTALL TRENCHES IN WET SOIL AS IT CAN LEAD TO SMEARING AND COMPACTION OF THE SOIL SURFACE, DO NOT INSTALL TRENCHES WHEN THE GROUND IS FROZEN.
- 6. TRENCHES SHALL BE INSTALLED PARALLEL TO GROUND CONTOURS AND AS SHALLOW AS POSSIBLE.
- 7. SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED PRIOR TO PLACEMENT OF AGGREGATE.
- 8. HEAVY EQUIPMENT USE IN THE AREA OF THE ABSORPTION FIELD SHALL BE KEPT TO A MINIMUM TO PREVENT COMPACTION.
- 9. TRENCH BOTTOMS SHOULD BE GRADED BY HAND AND ARE TO BE CHECKED BY A TRANSIT OR TRIPOD MOUNTED LEVEL TO ENSURE LEVEL GRADE.
- 10. DOSED DISTRIBUTION PIPE SHALL BE INSTALLED LEVEL AND ENDS SHALL BE CAPPED.
- 11. THE BACKFILL IS TO BE SLIGHTLY MOUNDED. THE ENTIRE AREA SHALL BE COMPACTED LIGHTLY AND GRADED, EITHER BY HAND OR WITH EQUIPMENT LOCATED OUTSIDE THE ABSORPTION AREA. LASTLY, THE AREA SHALL BE SEEDED WITH GRASS AND COVERED WITH MULCH TO PREVENT EROSION.

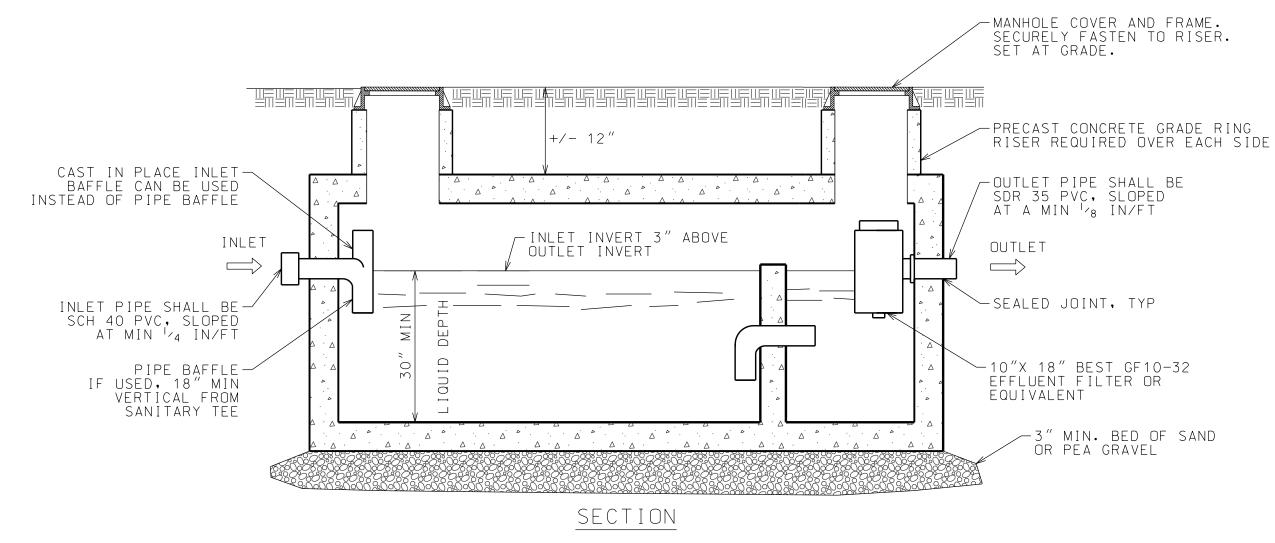


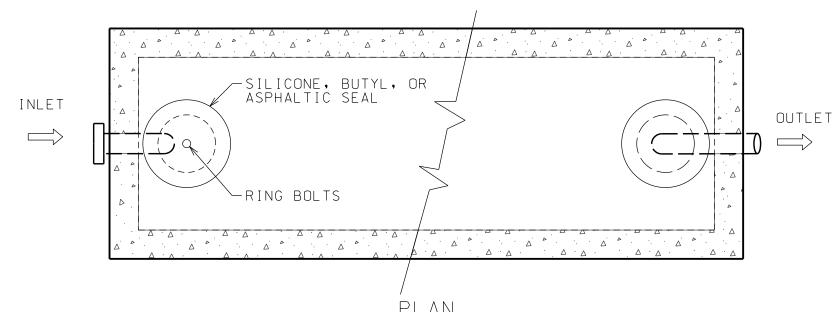
DISTRIBUTION BOX DETAIL NTS

5. SEE PLAN OR REPORT FOR NUMBER OF



FORCE MAIN TRENCH DETAIL





NOTES:

OF 10 FT OR MORE.

OF 4 INCHES.

- 1. MIN OF 6" WALL THICKNESS FOR CAST-IN-PLACE CONCRETE.
- 2. MIN TOTAL CAPACITY AS SHOWN ON PROJECT PLANS. SINGLE COMPARTMENT TANKS IN SERIES MAY BE INSTALLED AS AN ALTERNATE TO ONE DUAL COMPARTMENT TANK. 3. DUAL COMPARTMENT TANKS ARE REQUIRED ON ALL TANKS WITH AN INTERIOR LENGTH
- 4. 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.
- 6. 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 INVERTOR THE OUTLET AND THE BOTTOM OF THE TANK.
- 7. AT LEAST ONE ACCESS MANHOLE SHALL BE PROVIDED INTO EACH COMPARTMENT.
- 8. TANKS IN SERIES SHALL BE CONNECTED BY A SINGLE PIPE WITH A MIN DIAMETER
- 9. 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.

North Woods

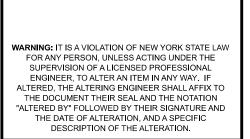
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DATE | ISSUED FOR 2/15/24 PERMITTING

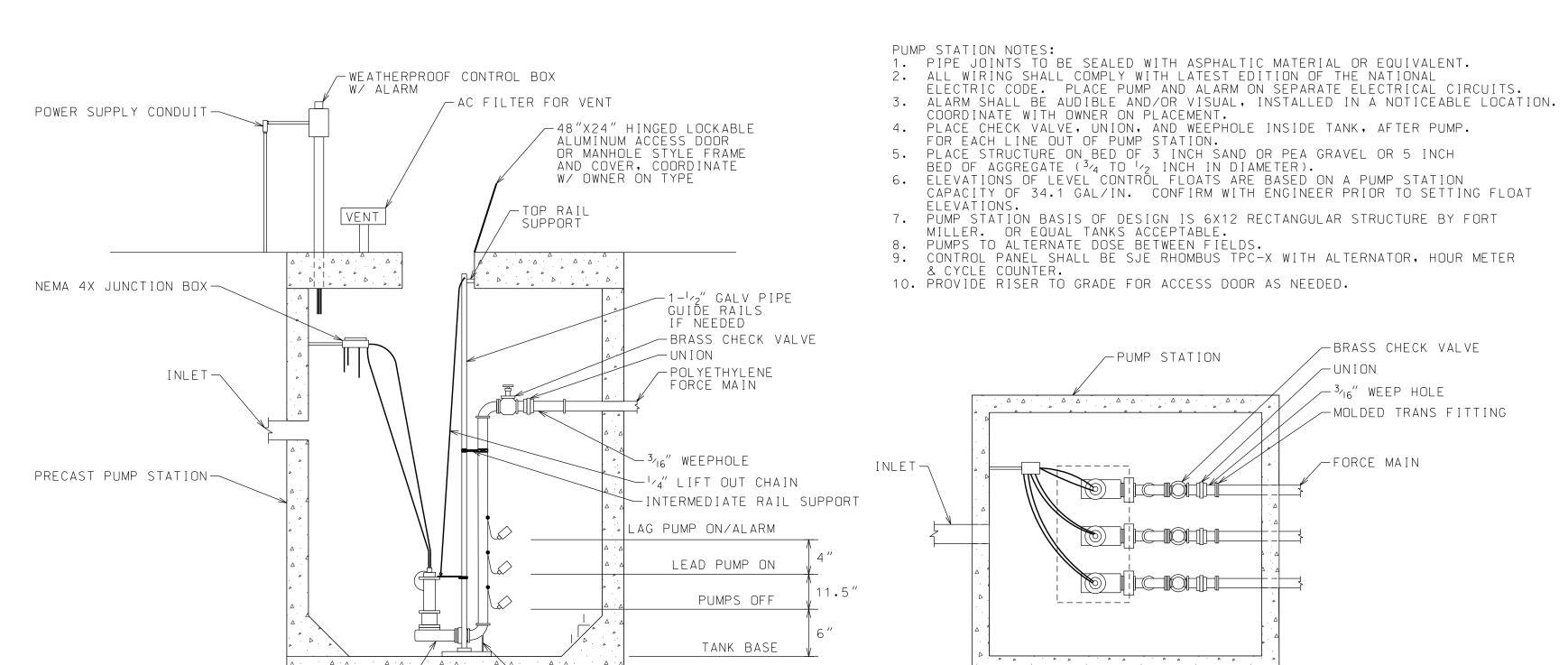
DRAWN BY: JRG CHECKED BY: JAG PROJECT #: 22-040 ORIGINAL 30"x42"

SEPTIC DETAILS

SHEET C300

FITLE

DUAL COMPARTMENT CONCRETE SEPTIC TANK



SECTION

TRIPLE LIBERTY 290 SERIES— SUBMERSIBLE EFFLUENT PUMPS

5. PLACE STRUCTURE ON BED OF 3 INCH SAND OR PEA GRAVEL OR 5 INCH BED OF AGGREGATE (3/4 TO 1/2 INCH IN DIAMETER). 6. ELEVATIONS OF LEVEL CONTROL FLOATS ARE BASED ON A PUMP STATION CAPACITY OF 34.1 GAL/IN. CONFIRM WITH ENGINEER PRIOR TO SETTING FLOAT ELEVATIONS. 7. PUMP STATION BASIS OF DESIGN IS 6X12 RECTANGULAR STRUCTURE BY FORT MILLER. OR EQUAL TANKS ACCEPTABLE. 8. PUMPS TO ALTERNATE DOSE BETWEEN FIELDS. 9. CONTROL PANEL SHALL BE SJE RHOMBUS TPC-X WITH ALTERNATOR, HOUR METER & CYCLE COUNTER. 10. PROVIDE RISER TO GRADE FOR ACCESS DOOR AS NEEDED. -- BRASS CHECK VALVE -PUMP STATION ∕ UNION ∕-³⁄₁₆" WEEP HOLE -MOLDED TRANS FITTING FORCE MAIN INLET —

COORDINATE WITH OWNER ON PLACEMENT.

FOR EACH LINE OUT OF PUMP STATION.

ORIGINAL GRADE

— SIMILAR PERC RATE AS

EXISTING USEABLE SOIL

PLAN

PUMP STATION DETAIL - TRIPLE PUMPS

-LIFT OUT ASSEMBLY IF NEEDED

- BARRIER MATERIAL

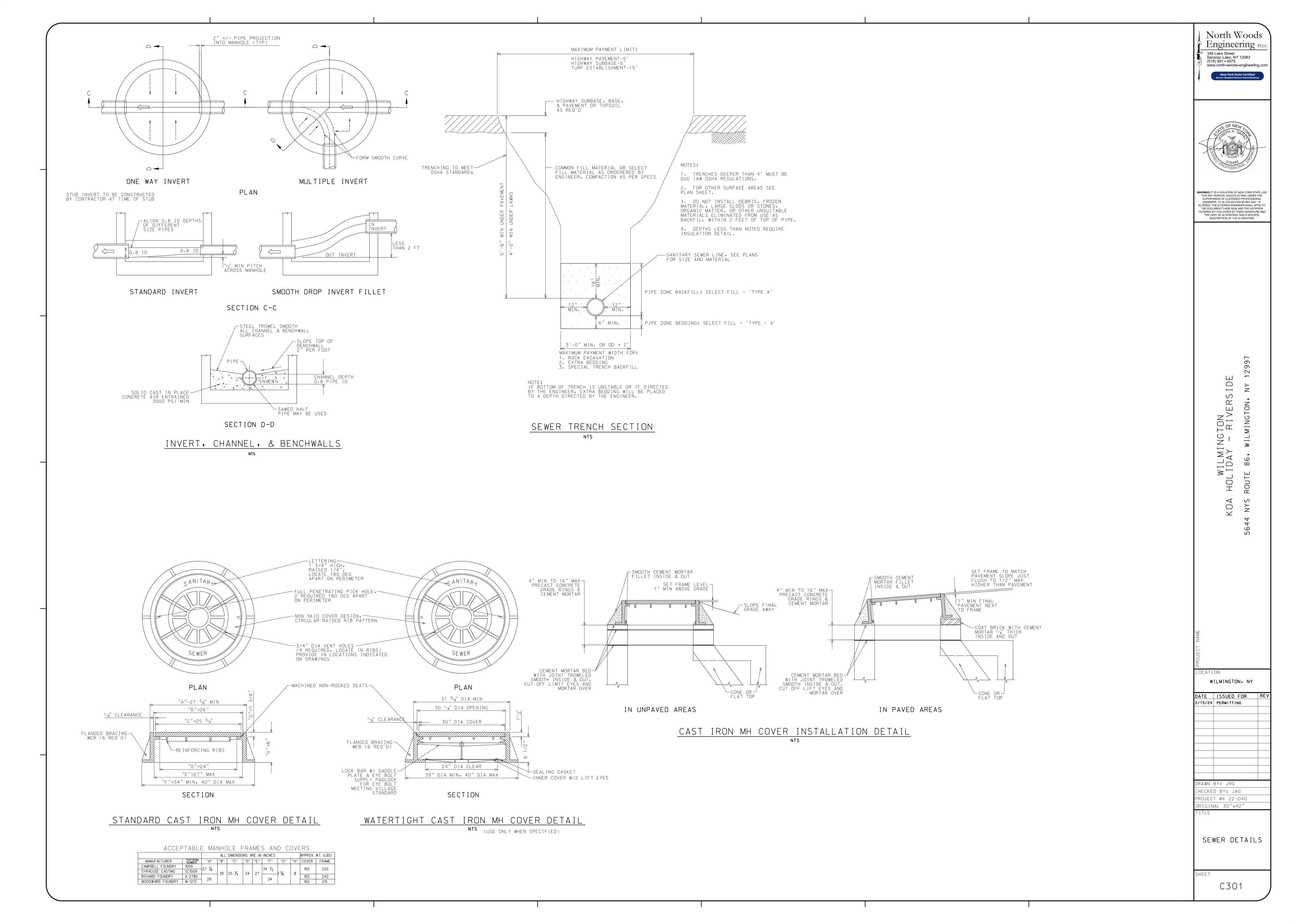
- WASHED GRADED GRAVEL OR

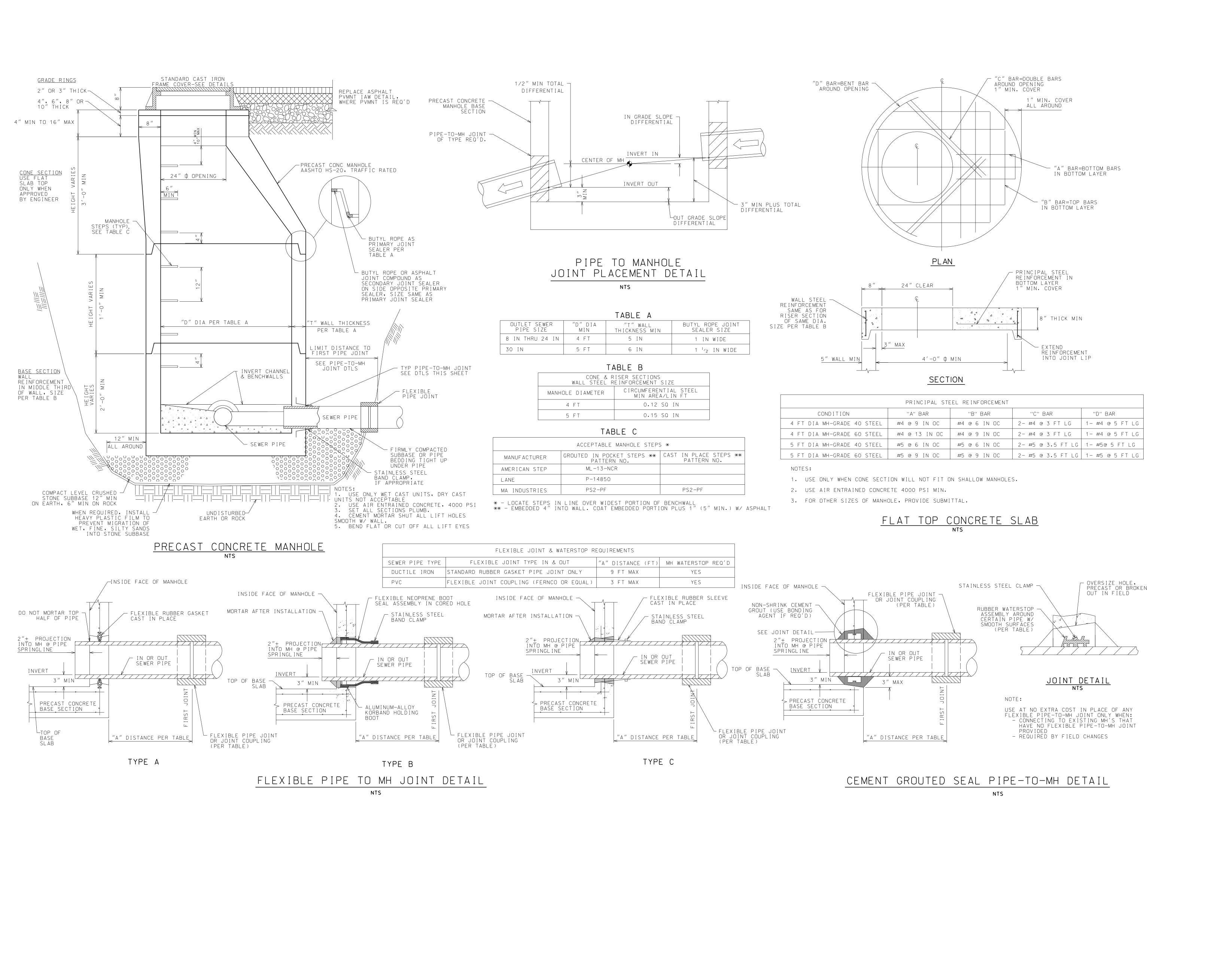
CRUSHED STONE, $\frac{3}{4}$ " - $\frac{1}{2}$ "

USEABLE FILL 🔪

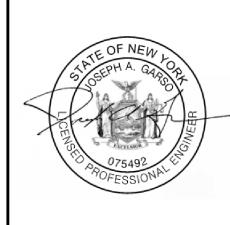
SEE PLANS OR REPORT FOR MAX TRENCH

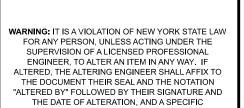
DEPTH INTO EXIST GRADE





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DESCRIPTION OF THE ALTERATION.

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OCATION WILMINGTON. NY

DATE | ISSUED FOR 2/15/24 PERMITTING

DRAWN BY: JRG CHECKED BY: JAG PROJECT #: 22-040 ORIGINAL 30"x42"

SEWER DETAILS

C302

DEEP HOLE (DH1)

DEEP HOLE TEST COMPLETED BY E. MCBATH FROM NORTH WOODS ENGINEERING, PLLC ON 10/18/23.

VERY DARK BROWN TOPSOIL LOAM, 10YR/2/2 DARK YELLOWISH BROWN FINE SAND, 10YR/3/6 DARK YELLOWISH BROWN COURSE SAND WITH GRAVEL, 10YR/4/6 DARK YELLOWISH BROWN SAND, 10YR/3/4 DARKGREYISH BROWN VERY COARSE SAND, 10YR/4/2

DEPTH OF HOLE = 78"
DEPTH TO ROOTS = 60"
DEPTH OF SHGW = 38" MOTTLING
LIMITING LAYER = SHGW" WATER SEEPS AT 74"

DEEP HOLE (DH2)

DEEP HOLE TEST COMPLETED BY E. MCBATH FROM NORTH WOODS ENGINEERING, PLLC ON 10/18/23.

VERY DARK BROWN TOPSOIL LOAM, 10YR/2/2 DARK YELLOWISH BROWN SAND, 10YR/3/4 DARK GREYISH BROWN SAND, 2.5Y/4/2 DARK GREYISH BROWN VERY COURSE SAND, 10YR/4/2

DEEP HOLE TEST COMPLETED BY E. MCBATH FROM NORTH WOODS ENGINEERING, PLLC

VERY DARK BROWN TOPSOIL LOAM, 10YR/2/2 DARK YELLOWISH BROWN SAND, 10YR/3/4 DARK YELLOWISH BROWN COARSE SAND, 10YR/3/6 DARK GREYISH BROWN VERY COURSE SAND, 10YR/4/2

WATER SEEPS AT 58"

DEEP HOLE (DH4) - RESERVE AREA

DEEP HOLE TEST COMPLETED BY E. MCBATH FROM NORTH WOODS ENGINEERING, PLLC

DARK YELLOWISH BROWN TOPSOIL LOAM, 10YR/3/42 Dark yellowish brown coarse sand, 10yr/4/4 Dark Greyish brown silt/very fine sand, 10yr/5/2

DEPTH OF HOLE = 80 DEPTH TO ROOTS = 38" DEPTH OF SHGW = 40" LIMITING LAYER = SHGW SEEPS AT 48"

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY E. MCBATH OF NORTH WOODS ENGINEERING, PLLC ON 10/18/23.

PERCOLATION TEST (PT1-1) PERCOLATION TEST (PT1-2) PERCOLATION TEST (PT1-3) TEST DEPTH = 16''TEST DEPTH = 16''TEST DEPTH = 16''<u>run</u> <u>time</u> <u>run</u> <u>time</u> <u>run</u> <u>time</u> 1 MIN 41 SEC O MIN 57 SEC O MIN 59 SEC 2 MIN 37 SEC 1 MIN 46 SEC 1 MIN 04 SEC 2 MIN 1 MIN 11 SEC DESIGN PERC RATE 1-5 MIN DESIGN PERC RATE 1-5 MIN

DESIGN PERC RATE 1-5 MIN

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY E. MCBATH OF NORTH WOODS ENGINEERING, PLLC ON 10/18/23.

PERCOLATION TEST (PT2-2) PERCOLATION TEST (PT2-1) PERCOLATION TEST (PT2-3) TEST DEPTH = 14''TEST DEPTH = 14''TEST DEPTH = 14''RUN TIME <u>run</u> T I ME <u>run</u> T I ME 1 MIN 10 SEC 1 MIN 47 SEC 1 MIN 23 SEC 2 MIN 19 SEC 1 MIN 47 SEC 2 MIN 2 MIN 17 SE 2 MIN 37 SEC 2 MIN 20 SEC DESIGN PERC RATE 1-5 MIN DESIGN PERC RATE 1-5 MIN DESIGN PERC RATE 1-5 MIN

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY E. MCBATH OF NORTH WOODS ENGINEERING, PLLC ON 10/18/23.

	LATION TEST (PT3-1) DEPTH = 13"		<u>ATION TEST (PT3-2)</u> DEPTH = 13"	PERCOLATION TEST (PT3- TEST DEPTH = 13"		
<u>RUN</u>	TIME	<u>RUN</u>	TIME	<u>RUN</u>	T I ME	
1 2 3	3 MIN 10 SEC 3 MIN 32 SEC 3 MIN 41 SEC	1 2 3 4	3 MIN 07 SEC 3 MIN 32 SEC 4 MIN 20 SEC 4 MIN 27 SEC	1 2 3	3 MIN 48 SEC 4 MIN 34 SEC 4 MIN 40 SEC	
DESIG	N PERC RATE 1-5 MIN	DESIG	N PERC RATE 1-5 MIN	DESIG	N PERC RATE 1-5 MIN	

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY E. MCBATH OF NORTH WOODS ENGINEERING, PLLC

TEST DEPTH = 16"		TEST DEPTH = 16"		TEST DEPTH = 16"	
<u>RUN</u>	<u>T I ME</u>	<u>RUN</u>	<u>T I ME</u>	RUN	T I ME
1 2 3	2 MIN 30 SEC 4 MIN 18 SEC 4 MIN 17 SEC	1 2 3	1 MIN 41 SEC 1 MIN 51 SEC 1 MIN 56 SEC	1 2 3	2 MIN 35 SEC 2 MIN 55 SEC 2 MIN 57 SEC

DEEP HOLE (DH5) - RESERVE AREA

DEEP HOLE TEST COMPLETED BY E. MCBATH FROM NORTH WOODS ENGINEERING, PLLC ON 10/18/23. VERY DARK BROWN TOPSOIL LOAM, 10YR/2/2 DARK YELLOWISH BROWN SAND, 10YR/3/6
DARK YELLOWISH BROWN COURSE SAND AND GRAVEL, 10YR/4/4 DARK GREYISH BROWN FINE SAND/SILT, 10YR/4/2 DEPTH OF HOLE = 82"
DEPTH TO ROOTS = 52"
DEPTH OF SHGW = 38" MOTTLING LIMITING LAYER = SHGW WATER SEEPS AT 60"

DEEP HOLE (DH7) - RESERVE AREA DEEP HOLE TEST COMPLETED BY E. MCBATH FROM NORTH WOODS ENGINEERING, PLLC

ON 12/05/22. VERY DARK BROWN TOPSOIL LOAM, 10YR/2/2 18"-44" BROWN SAND WITH GRAVEL, 10YR/4/3 44"-BOT DARK GREYISH BROWN SAND WITH GRAVEL, 10YR/4/2 DEPTH TO ROOTS = 27"
DEPTH OF SHGW = 44" MOTTLING LIMITING LAYER = SHGW WATER SEEPS AT 60"

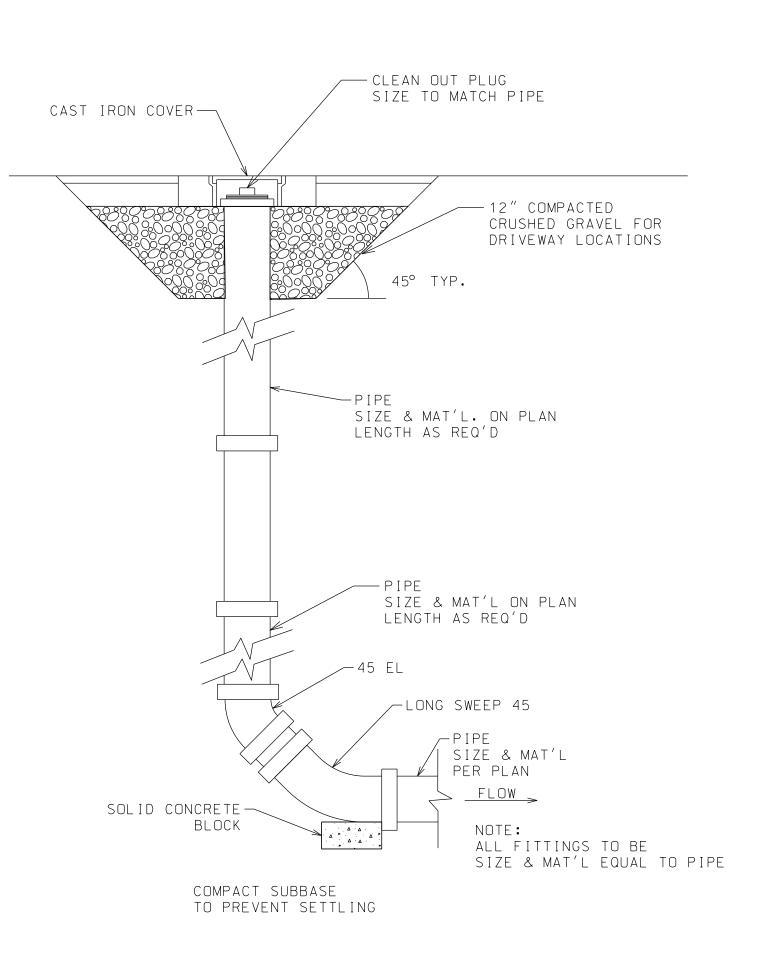
PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY E. MCBATH OF NORTH WOODS ENGINEERING, PLLC ON 10/18/23. PERCOLATION TEST (PT5-3) PERCOLATION TEST (PT5-1) PERCOLATION TEST (PT5-2) TEST DEPTH = 14''TEST DEPTH = 14''TEST DEPTH = 14''<u>run</u> <u>time</u> <u>Run</u> TIME <u>run</u> <u>time</u> 2 MIN 51 SEC 3 MIN 19 3 MIN 3 MIN 09 SEC

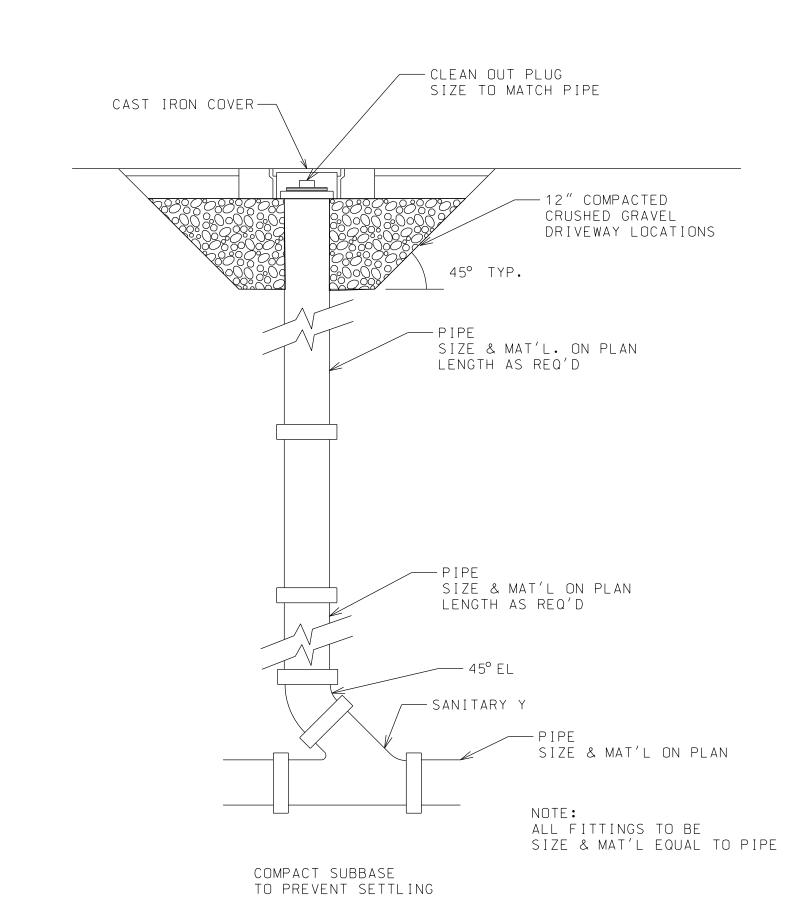
DESIGN PERC RATE 1-5 MIN DESIGN PERC RATE 1-5 MIN DESIGN PERC RATE 1-5 MIN

PERCOLATION TESTS

NO PERCOLATION TESTS COMPLETED FOR THIS DEEP HOLE.



TERMINAL CLEANOUT DETAIL



CLEANOUT DETAIL

WIL ID,

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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.

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WILMINGTON. NY

DATE | ISSUED FOR 2/15/24 PERMITTING

DRAWN BY: JRG CHECKED BY: JAG PROJECT #: 22-040

SOIL INFO SEWER DETAILS

ORIGINAL 30"x42"

SHEET

C303

DEPTH OF HOLE = 74"
DEPTH TO ROOTS = 48"
DEPTH OF SHGW = 38" MOTTLING
LIMITING LAYER = SHGW WATER SEEPS AT 71"

DEEP HOLE (DH3)

ON 10/18/23.

DEPTH OF HOLE = 72" DEPTH TO ROOTS = 48" DEPTH OF SHGW = 37" MOTTLING LIMITING LAYER = SHGW

SEPTIC TANK DECOMMISIONING NOTES 1. A NYSDEC PERMITTED WASTE TRANSPORTER SHALL PUMP OUT THE TANK, WASH OFF, AND REMOVE AS MUCH RESIDUALS AS POSSIBLE. CARE SHALL BE TAKEN WHEN ACCESSING THE CLEANING THE TANK. FOLLOW ALL REQUIRED OSHA STANDARDS.

2. ONCE CLEANED, COAT THE IN INSIDE OF THE TANK WITH LIME.

3. KNOCK IN THE TOP OF THE TANK AND PUNCTURE THE BOTTOM OF THE TANK TO ALLOW FOR DRAINAGE OF GROUND AND SURFACE WATER.

4. BACK FILL THE TANK WITH CLEAN GRAVEL OR SAND. 5. RESTORE ALL DISTURBED AREAS WITH TOPSOIL, SEED, AND, MULCH. MATCH EXIST ADJACENT GRADES.

6. NOTE LOCATION OF ABANDONED TANK AND OTHER COMPONENTS ON AS-BUILT DRAWINGS.

-SCH40 PVC CLEANOUT PLUG OPTIONAL 2' SQ. 4" THICK CONC PAD SCH40 PVC RISER 1/4"/1' TO MAIN SCH40 PVC 45 EL, TYP - CONCRETE BLOCK ON COMPACTED SUBGRADE

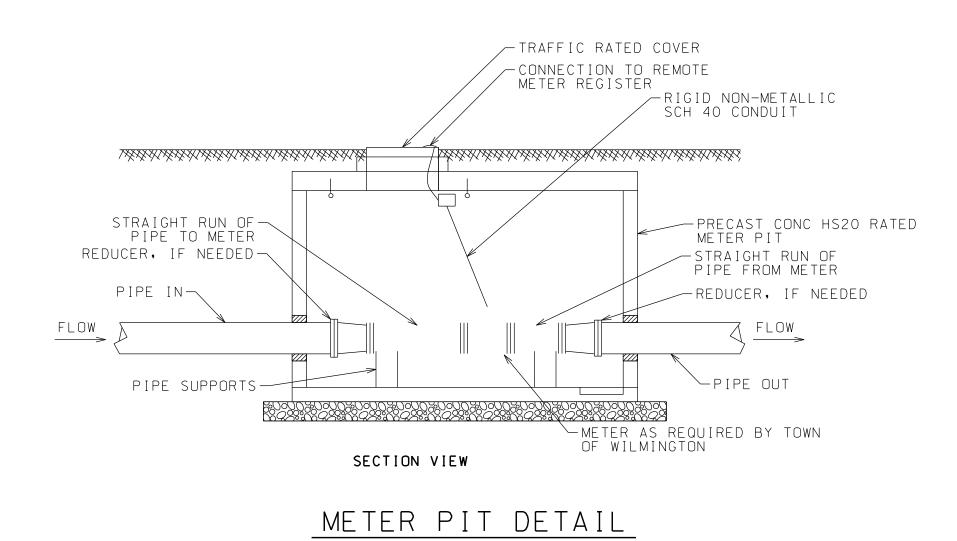
RV SITE SEWER DETAIL NTS

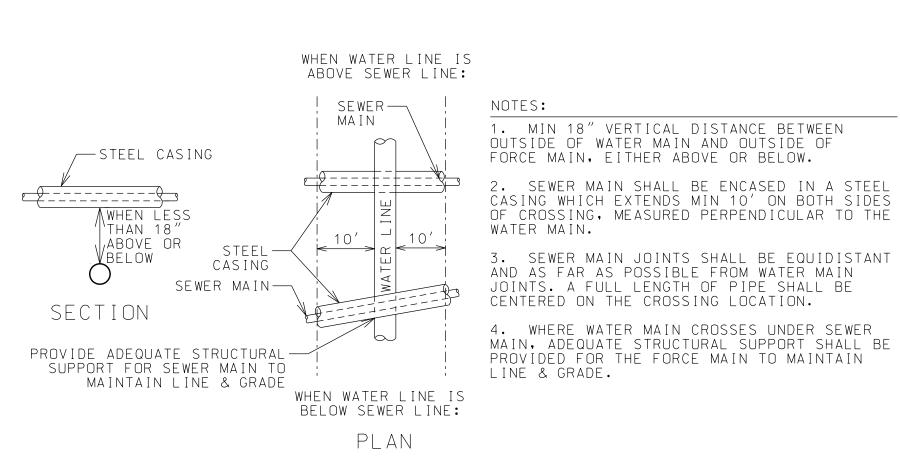
YARD HYDRANT BLOWOFF

NTS

YARD HYDRANT BLOWOFF NOTES:

- 1. YARD HYDRANT BLOWOFF SHALL BE SELF-DRAINING, NON-FREEZING, COMPRESSION TYPE. INLET CONNECTION SHALL BE $^{3}_{4}{}''$ IP. OUTLET SHALL BE $^{3}_{4}{}''$ GHT.
- 2. PRINCIPAL INTERIOR OPERATION PARTS SHALL BE BRASS AND REMOVABLE FROM YARD HYDRANT FOR SERVICING WITHOUT
- 3. YARD HYDRANT BLOWOFF SHALL BE SET IN OF CRUSHED STONE TO ALLOW FOR PROPER DRAINAGE, RECOMMENDATIONS OF THE AWWA SHALL BE FOLLOWED WHEN INSTALLING.

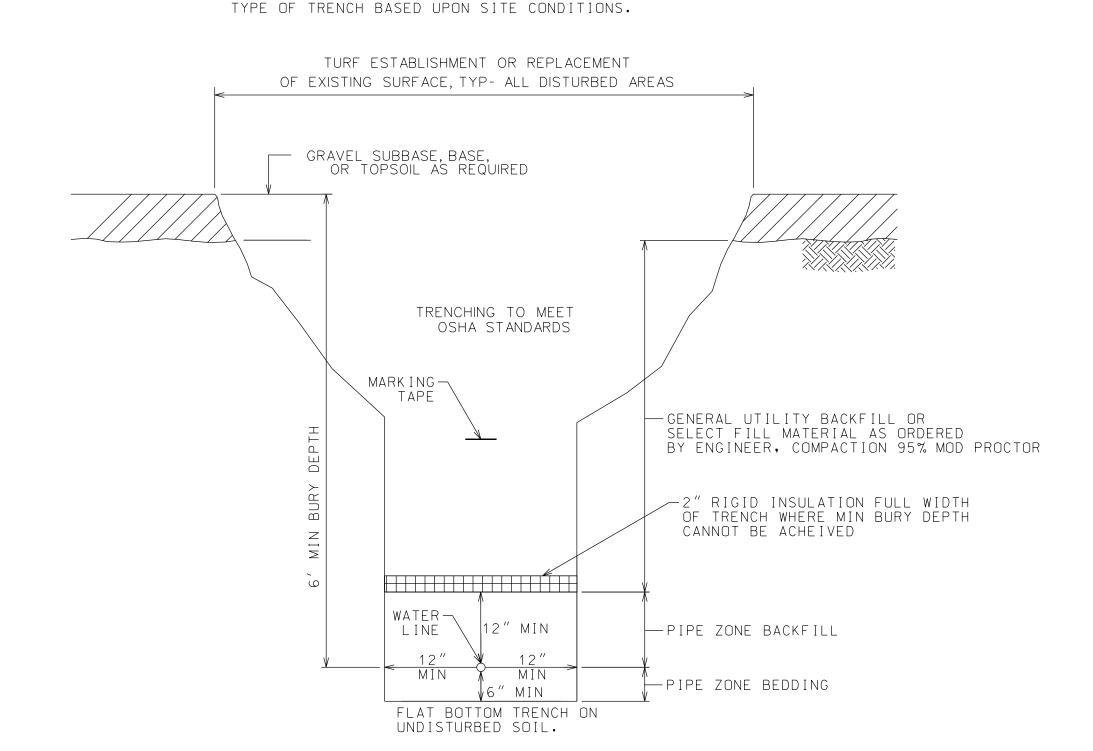




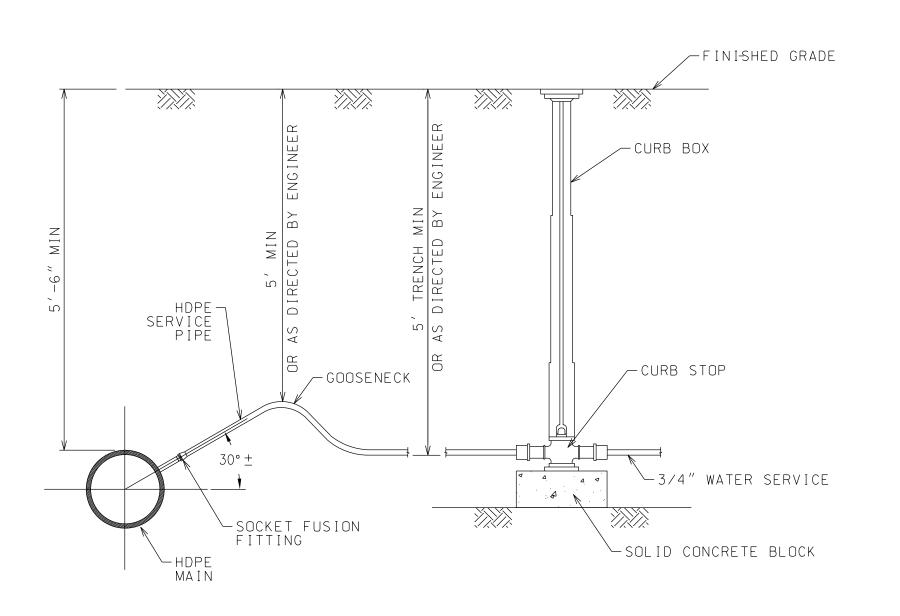
WATER AND SEWER LINE CROSSING DETAIL

NOTES:
1. LAYING CONDITIONS AS PER AWWA C600.

- 2. TRENCHES DEEPER THAN 4' MUST BE DUG IAW OSHA REGULATIONS.
- 3. FOR OTHER SURFACE AREAS SEE PLAN SHEET.
- 4. IF SITE CONDITIONS VARY FROM EXPECTED, ENGINEER MAY CHANGE



WATER LATERAL TRENCH SECTION



TYPICAL SERVICE CONNECTION

WATER SYSTEM MATERIAL NOTES

1. ALL PIPE SHALL BE FLEXIBLE HIGH DENSITY SDR 11 POLYETHYLENE PIPE CONFORMING TO CURRENT AWWA STANDARDS.

2. FITTINGS SHALL BE POLYETHYLENE FLECTROFUSION CONFORMING TO AWWA 0906 AND ASTM D-3350

2. FITTINGS SHALL BE POLYETHYLENE ELECTROFUSION CONFORMING TO AWWA C906 AND ASTM D-3350, 165 PSI WORKING PRESSURE.

3. BOLTS AND NUTS SHALL CONFORM TO ANSI/AWWA C111/A21.11-90.

4. GATE VALVES SHALL CONFORM TO AWWA C509-87 AND BE IN CONFORMANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH STANDARDS.

5. VALVE BOXES SHALL BE CAST IRON NEW ENGLAND STYLE SLIDE TYPE, 5 1/4 INCH SHAFT, 6 FOOT TRENCH DEPTH AND SHALL BE IN CONFORMANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH STANDARDS.

6. CORPORATIONS AND CURB STOPS SHALL BE BY MUELLER AND MANUFACTURED IN ACCORDANCE WITH AWWA C800.

7. COPPER TUBING SHALL BE TYPE K, SOFT TEMPER, CONFORMING TO ASTM B88.

8. YARD HYDRANTS SHALL BE KUPFERLE CORN KING #903 WITH BACKFLOW PREVENTER, BOTH LEAD FREE, OR EQUAL, AND BE IN CONFORMANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH STANDARDS.

GENERAL WATER NOTES

ENGINEER.

1. NOTIFY ENGINEER (518-891-4975) BEFORE STARTING WORK.

2. PERFORM TRENCHING OPERATION IN COMPLIANCE WITH ALL OSHA REQUIREMENTS.

3. INSTALLED PIPING SHALL BE PLUGGED WITH A WATERTIGHT PLUG DURING WET CONDITIONS AND AT THE END OF EACH WORK DAY.

4. PIPING SHALL NOT BE INSTALLED IN WET CONDITIONS, DEWATER AS NECESSARY TO PROVIDE DRY WORKING CONDITIONS.

5. CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF LOCATION AND DEPTHS OF WATER MAIN.

6. CONTRACTOR SHALL NOT CONDUCT DISINFECTION UNTIL RECEIVING WRITTEN PERMISSION FROM

PRESSURE TEST NOTES

- 1. NOTIFY ENGINEER (518-891-4975) 24 HRS BEFORE STARTING TESTING.
- 2. ALL WATER REQUIRED FOR TESTING SHALL BE POTABLE.
- 3. PRESSURE TEST SHALL BE IN ACCORDANCE WITH AWWA STANDARD C600/C605.
- 4. CONTRACTOR SHALL DEVELOP AND MAINTAIN FOR TWO HOURS 150% OF THE WORKING PRESSURE OR 150 PSI, WHICHEVER IS GREATER. FAILURE TO HOLD WITHIN 5 PSI OF THE DESIGNATED PRESSURE FOR THE TWO HOUR PERIOD CONSTITUTES A FAILURE OF THE SECTION TESTED.
- 5. MAXIMUM LENGTH OF PIPE TO BE TESTED AT ONE TIME SHALL NOT EXCEED 1000' IN LENGTH.
- 6. NO PIPE INSTALLATION SHALL BE ACCEPTED IF THE LEAKAGE IS GREATER THAN THAT DETERMINED BY THE FOLLOWING FORMULAS (WHICHEVER IS LESS):

S = LENGTH OF PIPE TESTING

L = ND(P)

133200

L = ND(P)

N = ND(P)

N = NUMBER OF JOINTS IN THE PIPELINE TESTED

7. CORRECT DEFECTIVE WORK AND MATERIALS AND RETEST UNTIL SATISFACTORY TEST RESULTS ARE ACHIEVED.

PIPELINE DISINFECTION NOTES

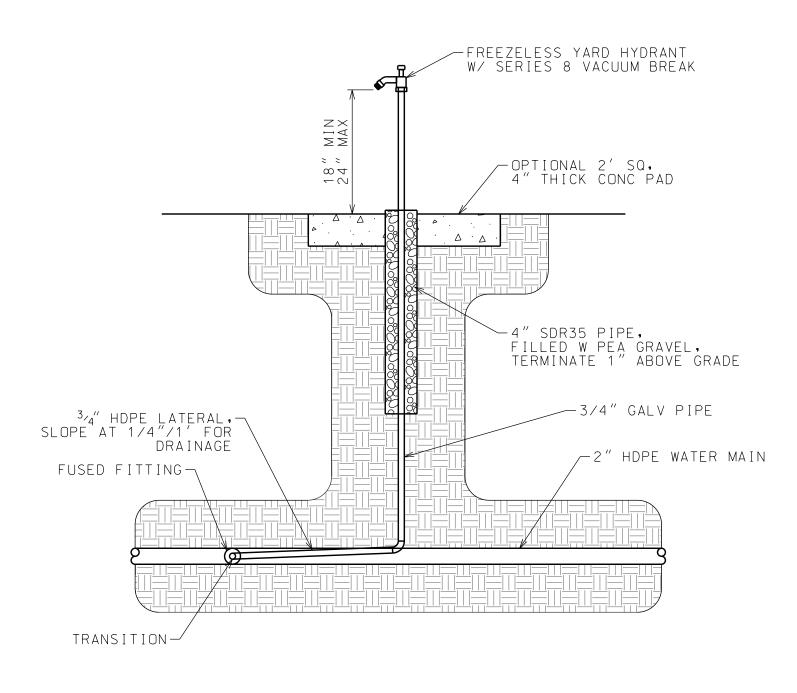
- 1. THE PIPELINE SHALL BE DISINFECTED AS DIRECTED BY THE ENGINEER. AWWA C651 (LATEST VERSION) SHALL BE USED AS THE BASIS FOR THE DISINFECTION PROCESS.
- 2. ALL DISINFECTION AND TESTING SHALL BE COMPLETED BY AN INDEPENDENT THIRD PARTY UNLESS OTHERWISE APPROVED BY ENGINEER.
- 3. AT A MINIMUM, DISINFECTION SHALL INCLUDE THE FOLLOWING:

 a. complete flushing of the pipeline to wash out all dirt, debris, etc which may
- a. COMPLETE FLUSHING OF THE PIPELINE TO WASH OUT ALL DIRT, DEBRIS, ETC WHICH MAY HAVE ACCUMULATED IN THE PIPELINE DURING CONSTRUCTION.
 b. FOLLOWING FLUSHING (TO CLEAN CLEAR WATER), THE CONTRACTOR WILL ADD CHLORINE TO THE ENTIRE PIPELINE VOLUME OR WATER SUCH THAT THE WATER WILL NOT HAVE LESS THAN
- 25 mg/L FREE CHLORINE, AND LET THE MIXTURE SET FOR AT LEAST 24 HOURS.

 C. AFTER THE 24 HOUR DURATION, THE WATER IN THE PIPELINE SHALL BE TESTED FOR RESIDUAL FREE CHLORINE AND MUST CONTAIN A MINIMUM OF 10 mg/L CHLORINE
- RESIDUAL FREE CHLORINE AND MUST CONTAIN A MINIMUM OF 10 mg/L CHLORINE.

 IF LESS THAN 10 mg/L IS FOUND, THEN THE DISINFECTION PROCEDURE SHALL BE
 REPEATED UNTIL AT LEAST 10 mg/L CHLORINE RESIDUAL IS INDICATED BY TEST.

 d. UPON SUCCESSFUL COMPLETION OF THE STEPS ABOVE, THE PIPELINE SHALL BE FLUSHED
- d. UPON SUCCESSFUL COMPLETION OF THE STEPS ABOVE, THE PIPELINE SHALL BE FLUSHED AGAIN UNTIL THE CHLORINE CONCENTRATION IN THE PIPELINE IS NO HIGHER THAN THAT PREVAILING IN THE WATER SUPPLY.
- 4. AFTER FINAL FLUSHING AND BEFORE THE PIPELINE IS PLACED IN SERVICE, BACTERIOLOGICAL SAMPLES SHALL BE COLLECTED ON TWO CONSECUTIVE DAYS, AND SUBMITTED TO AN INDEPENDENT TESTING LABORATORY. SUBMIT TEST RESULTS TO THE TOWN OF WILMINGTON, NEW YORK STATE DEPARTMENT OF HEALTH, AND THE ENGINEER FOR REVIEW AND APPROVAL.
- 5. IF THE INITIAL DISINFECTION FAILS TO PRODUCE SAMPLES WHICH PASS THE NEW YORK STATE DEPARTMENT OF HEALTH REQUIREMENTS FOR POTABLE DRINKING WATER, THEN THE PROCESS SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.



RV SITE WATER DETAIL

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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.

WILMINGTON
KOA HOLIDAY - RIVERSIDE

PROJECT NAME

WILMINGTON, NY

DATE ISSUED FOR
2/15/24 PERMITTING

DRAWN BY: JRG
CHECKED BY: JAG
PROJECT #: 22-040
ORIGINAL 30"x42"

WATER DETAILS

EET

C304