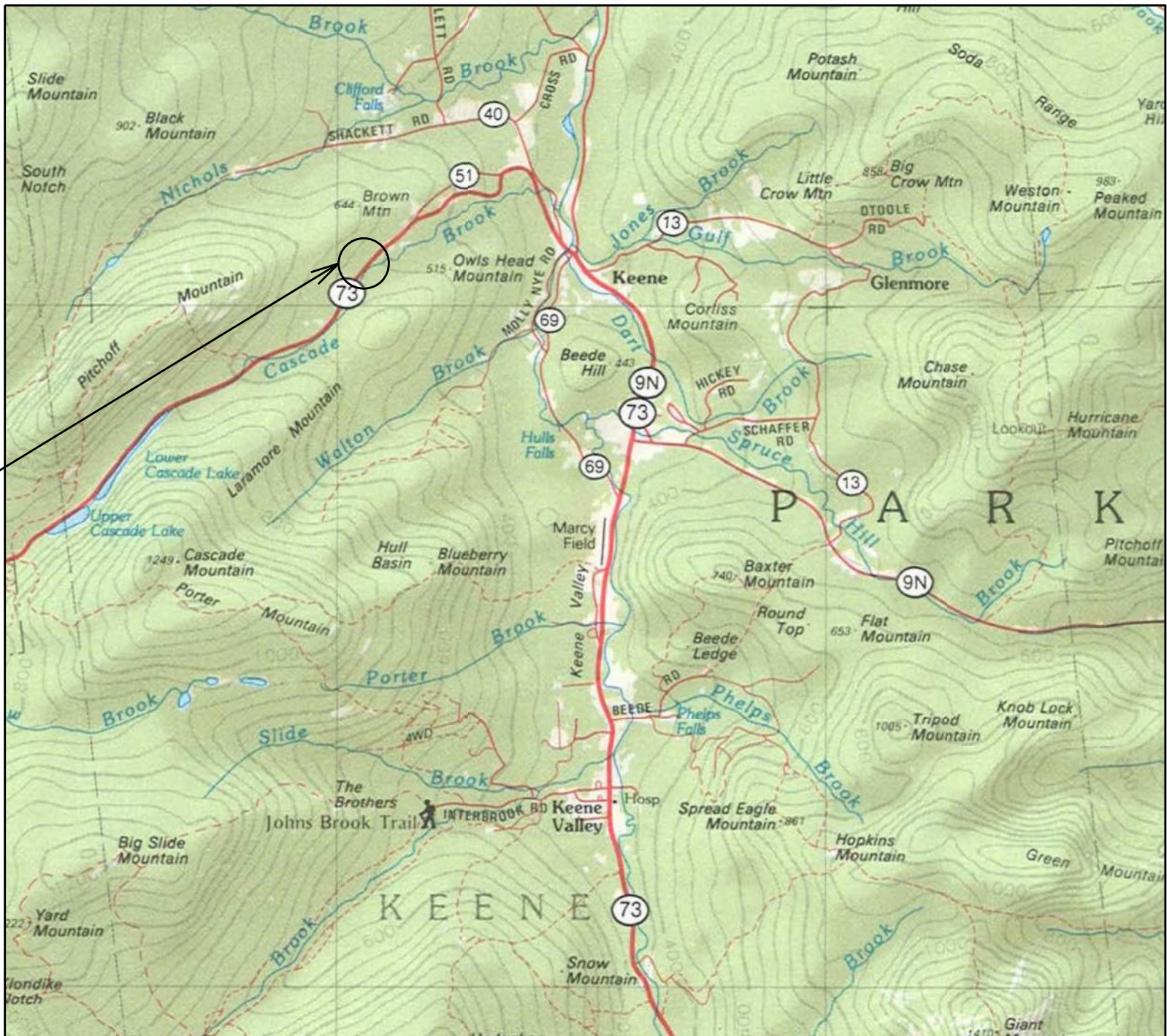


AYLWARD SUBDIVISION

TOWN OF KEENE, NEW YORK

PROJECT LOCATION



LOCATION MAP
NTS



LIST OF ABBREVIATIONS

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

DRAWING LIST

SHEET	TITLE	REVISION	DATE
COV	COVER	B	12/5/25
SURV	TOPOGRAPHIC LIDAR SURVEY		10/20/25
C100	LOT 1 ESC PLAN	B	12/5/25
C101	LOTS 2-4 ESC PLAN	B	12/5/25
C102	LOTS 5-6 ESC PLAN	B	12/5/25
C103	LOTS 7 DRIVE ESC PLAN		7/25/25
C104	LOT 7 ESC PLAN	B	12/5/25
C105	OVERALL SITE PLAN	B	12/5/25
C106	LOT 1 SITE PLAN	B	12/5/25
C107	LOTS 2-4 SITE PLAN	B	12/5/25
C108	LOTS 5-6 SITE PLAN	B	12/5/25
C109	LOTS 7 SITE PLAN	B	12/5/25
C110	GRADING PLAN STA 0+00-7+00	A	11/7/25
C111	GRADING PLAN STA 7+00-12+00	A	11/7/25
C112	GRADING PLAN STA 12+00-14+01.45	A	11/7/25
C113	GRADING PLAN LOT 7 DRIVE STA 2+50-6+76	A	11/7/25
C114	DOT DRIVE SITE PLAN AND PROFILE		10/30/25
C200	MAIN RD PROFILE STA 0+00-5+00	A	11/7/25
C201	MAIN RD PROFILE STA 5+00-10+00	A	11/7/25
C202	MAIN RD PROFILE STA 10+00-14+50	A	11/7/25
C203	ROAD SECTIONS STA 0+00-10+00	A	11/7/25
C204	ROAD SECTIONS STA 10+00-14+00	A	11/7/25
C300	ESC NOTES		7/25/25
C301	ESC DETAILS	A	11/7/25
C302	SOIL TESTING NOTES & TABLES	A	11/6/25
C303	SEPTIC DETAILS & NOTES		7/25/25
C304	SEPTIC DETAILS & NOTES		7/25/25
C305	WATER & SITE DETAILS	A	11/7/25
C400	DOT DETAILS		10/30/25
C401	DOT DETAILS		10/30/25
C402	DOT DETAILS		10/30/25
C403	DOT DETAILS		10/30/25
C404	DOT DETAILS		10/30/25
C405	DOT DETAILS		10/30/25

SEPTIC TANK LEGEND

	DUAL COMPARTMENT CONCRETE SEPTIC TANK
	CONCRETE SEPTIC AND PUMP COMBINATION TANK

GENERAL NOTES

- SITE PLAN BASED UPON CAD SURVEY FILE FROM LEIFHEIT AND LITTLEFIELD LAND SURVEYORS, DATED 2024.
- BASIS FOR ELEVATION FROM SURVEY.
- NOTIFY ENGINEER AT (518)891-4975 MINIMUM 3 WORKING DAYS PRIOR TO STARTING WORK.
- CONTRACTOR RESPONSIBLE FOR DEWATERING AS NEEDED, ALTHOUGH NOT EXPECTED. DEWATERING DISCHARGE SHALL BE INTO APPROPRIATE CONTAINMENT.
- CONTRACTOR RESPONSIBLE TO CALL DIG SAFELY NEW YORK MINIMUM 3 WORKING DAYS PRIOR TO STARTING WORK.
- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES. CONTRACTOR SHALL STOP WORK AND NOTIFY ENGINEER IF ANY DAMAGES BECOME APPARENT OR ARE SUSPECTED. WORK SHALL NOT RE-COMMENCE UNTIL CONTRACTOR RECEIVES WRITTEN NOTICE FROM ENGINEER.
- CONDUCT ALL EXCAVATION IAW OSHA STANDARDS.
- OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
- ROADS TO REMAIN OPEN DURING CONSTRUCTION. COORDINATE ENTRANCES WITH COUNTY OR TOWN AS MAY BE APPROPRIATE.
- RESTORE ALL EXTERIOR DISTURBED AREAS TO PRE-DISTURBED CONDITION. SEED TO GRASS AND MULCH IF LAWN AREA. FILL, COMPACT AND GRADE GRAVEL DRIVES/PARKING AREAS. PAVE AREAS THAT WERE PAVED DRIVES/PARKING AREAS.
- PROVIDE SKETCH OF COMPLETED SEPTIC INSTALLATION TO ENGINEER WITHIN 30 DAYS OF COMPLETION.

NYS DEPARTMENT OF HEALTH REALTY SUBDIVISION CONDITIONS OF APPROVAL

- THAT THE PROPOSED FACILITIES FOR WATER SUPPLY AND SEWAGE COLLECTION ARE INSTALLED IN CONFORMITY WITH SAID PLANS.
- THAT NO LOT OR REMAINING LAND SHALL BE SUBDIVIDED WITHOUT PLANS FOR SUCH RESUBDIVISION BEING SUBMITTED TO AND APPROVED BY THE NEW YORK STATE DEPARTMENT OF HEALTH.
- THAT THE DEVELOPER SHALL FURNISH EACH PURCHASER OF A LOT ON WHICH WATER SUPPLY AND/OR SEWAGE TREATMENT FACILITIES WERE INSTALLED WITH A REPRODUCTION OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT PLAN DEPICTING ALL INSTALLED SANITARY FACILITIES.
- THAT THE PUBLIC WATER SUPPLY AND COMMUNITY SEWERAGE IMPROVEMENTS SERVING THIS SUBDIVISION SHALL BE INSPECTED FOR COMPLIANCE WITH THE APPROVED PLANS AT THE TIME OF CONSTRUCTION BY A NEW YORK LICENSED PROFESSIONAL (PE, RA OR EXEMPT LST) AND WRITTEN CERTIFICATION TO THAT EFFECT SHALL BE SUBMITTED TO THE NYS DEPARTMENT OF HEALTH AND THE LOCAL BUILDING CODE ENFORCEMENT OFFICER WITHIN 30 DAYS AND PRIOR TO OCCUPANCY.
- THAT PLAN APPROVAL IS LIMITED TO FIVE YEARS FROM THE DATE OF APPROVAL, AND SHALL EXPIRE ON THE DATE OF EXPIRATION. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE NYS DEPARTMENT OF HEALTH BASED ON DEVELOPMENT FACTS AND THE REALTY SUBDIVISION REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
- THAT THE APPROVED PLANS MUST BE FILED WITH THE ESSEX COUNTY CLERK PRIOR TO OFFERING LOTS FOR SALE WITHIN 90 DAYS OF THE DATE OF PLAN APPROVAL.
- THAT ALL LOCAL AND OTHER STATE AGENCY RULES AND REGULATIONS SHALL BE COMPLIED WITH.

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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
9/19/25	PERMITTING	
11/7/25	APA CHANGES	A
12/5/25	FIRE CHANGES	B

DRAWN BY:RRG

CHECKED BY: JAG

PROJECT #:23-057

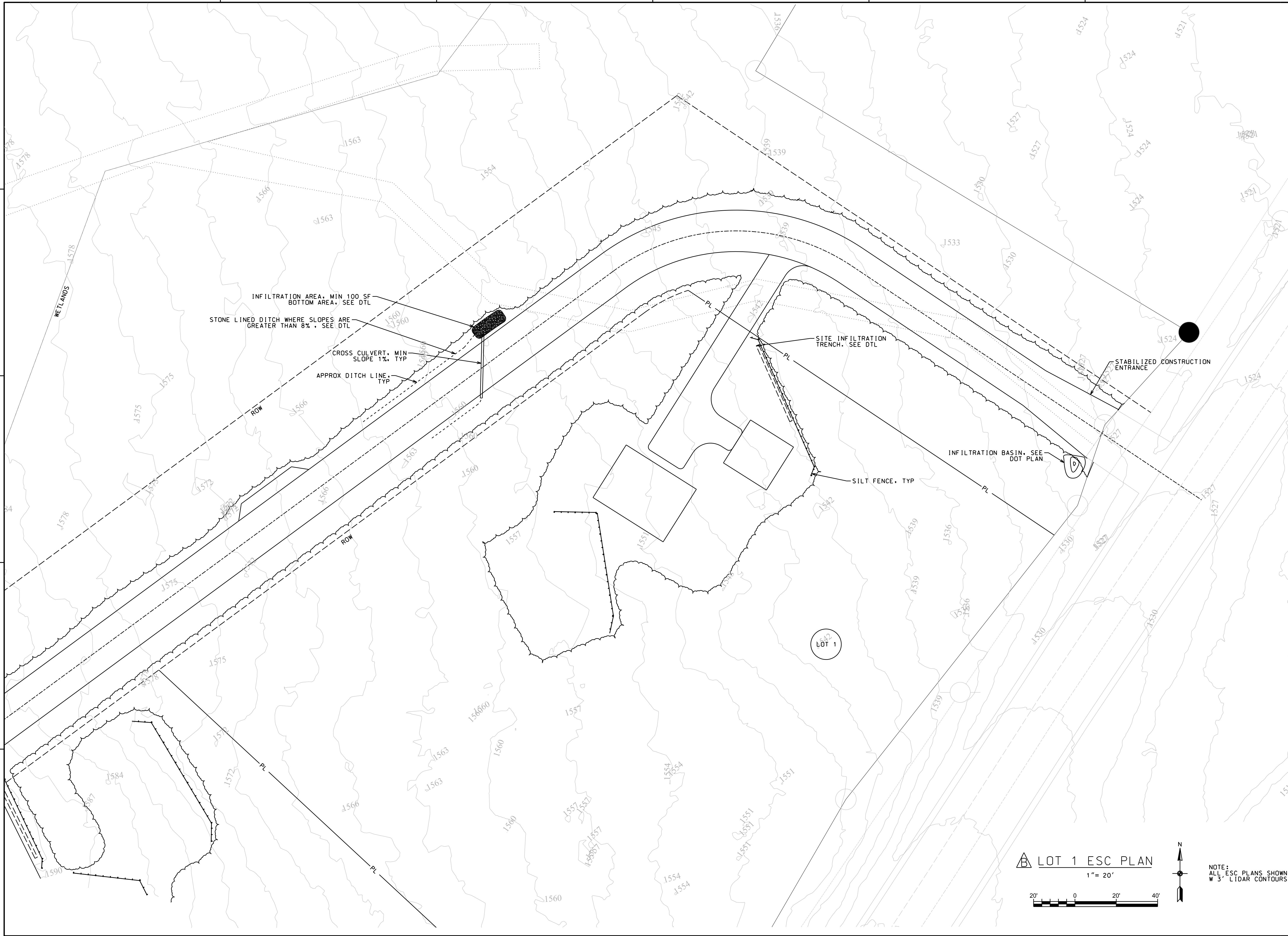
ORIGINAL 24"x36"

TITLE

COVER

SHEET

COV



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DRAWN BY:RRG
CHECKED BY: JAG
PROJECT #:23-057
ORIGINAL 24"x36"

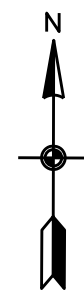
TITLE

DEMO & ESC
PLAN

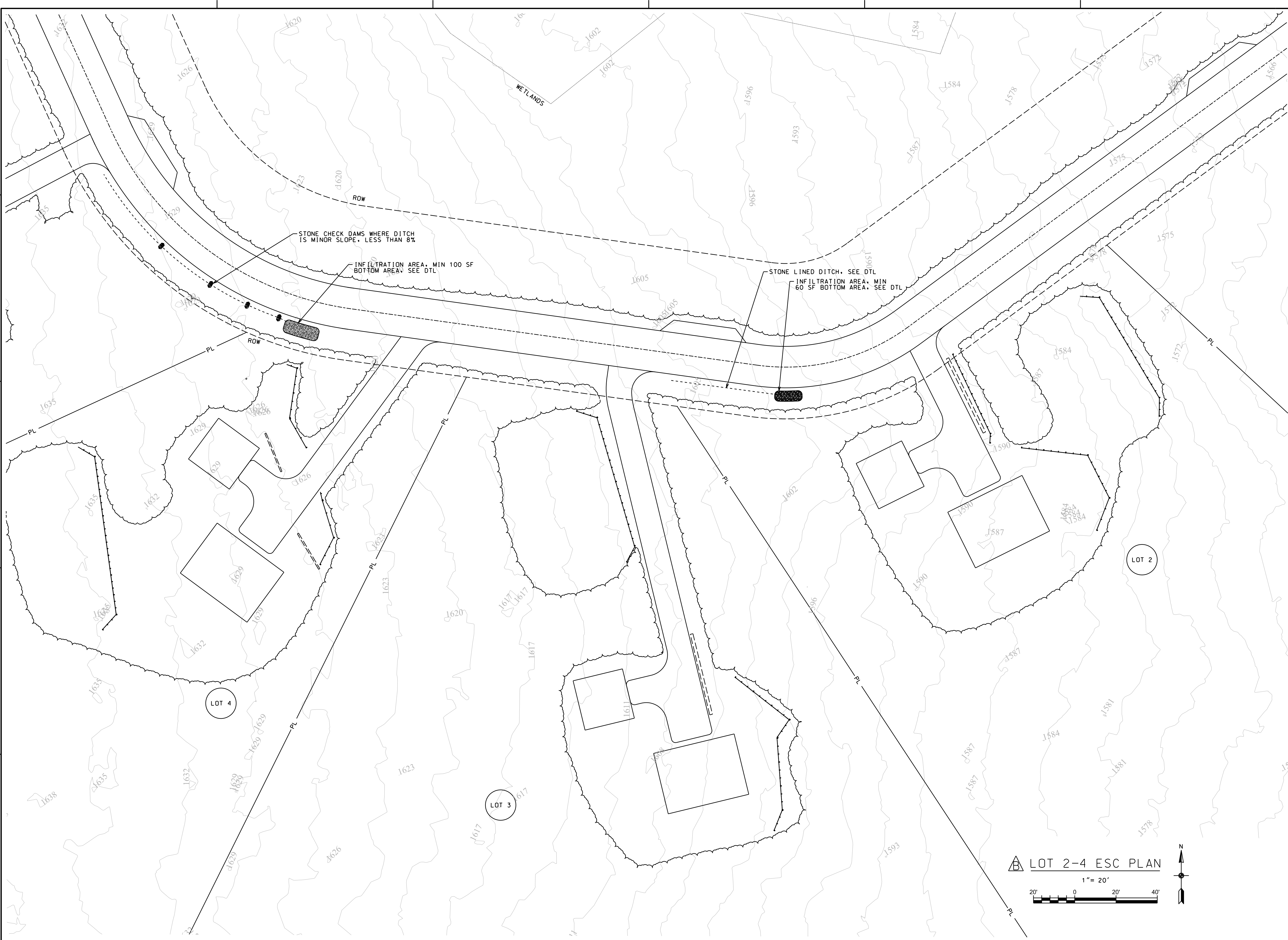
SHEET

C100

LOT 1 ESC PLAN
1" = 20'



NOTE:
ALL ESC PLANS SHOWN
W 3' LIDAR CONTOURS



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TOWN OF KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

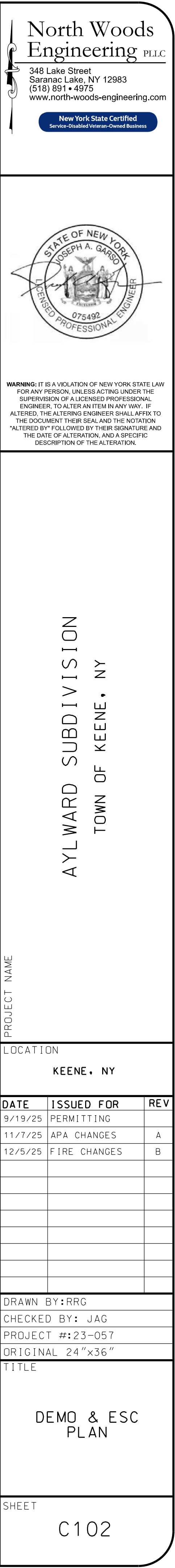
DATE	ISSUED FOR	REV
9/19/25	PERMITTING	
11/7/25	APA CHANGES	A
12/5/25	FIRE CHANGES	B

DRAWN BY:RRG
CHECKED BY: JAG
PROJECT #:23-057
ORIGINAL 24"x36"

TITLE

DEMO & ESC
PLAN

SHEET
C101



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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

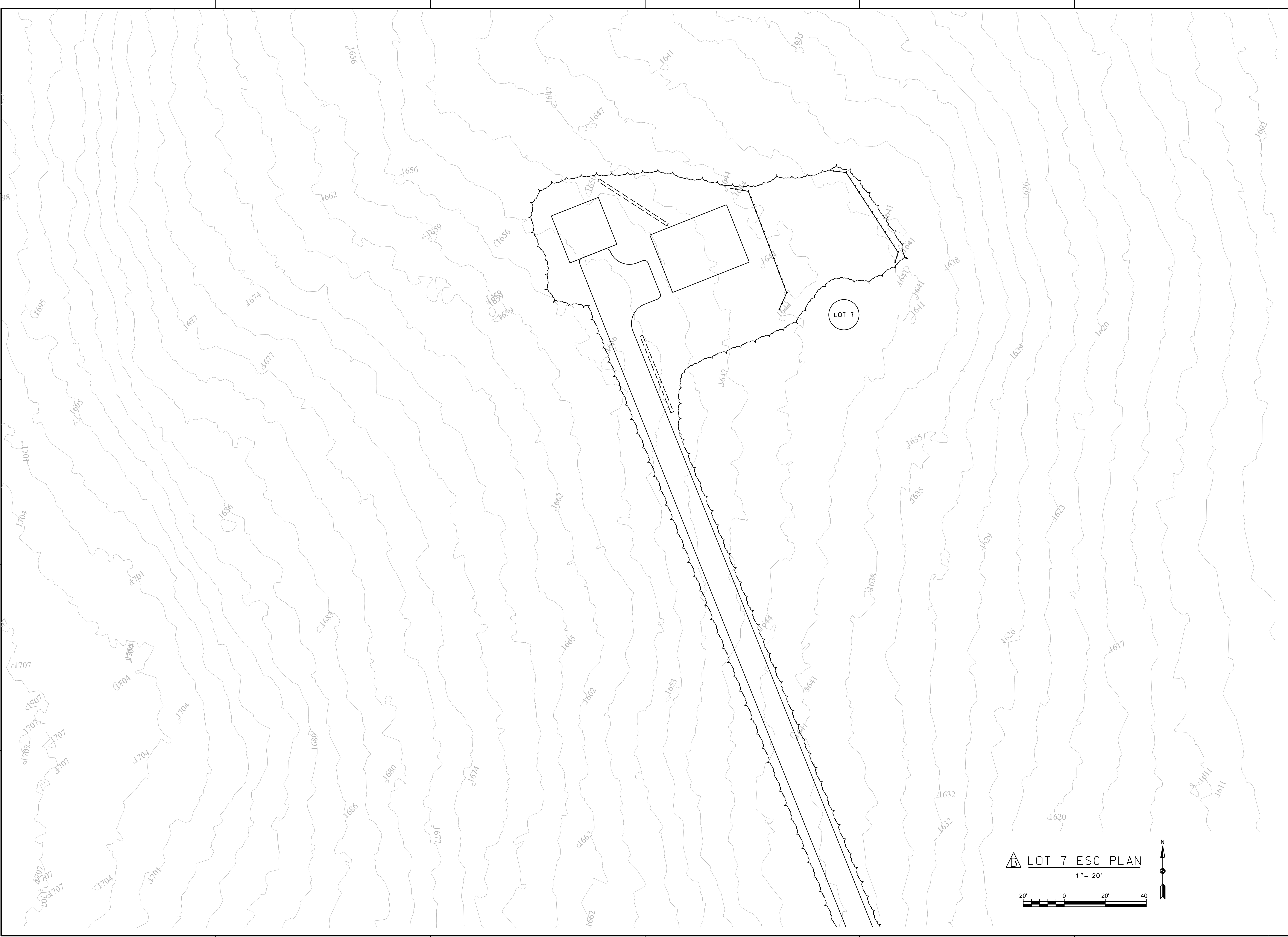
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DRAWN BY:RRG	
CHECKED BY: JAG	
PROJECT #:23-057	
ORIGINAL 24"x36"	
TITLE	

DEMO & ESC PLAN

SHEET
C102

<h1 style="margin: 0;">North Woods Engineering P.L.L.C.</h1> <p style="margin: 0;">348 Lake Street Saranac Lake, NY 12983 (518) 891-4975 www.north-woods-engineering.com</p> <p style="margin: 0; background-color: #003366; color: white; padding: 5px; text-align: center;">New York State Certified Service-Disabled Veteran-Owned Business</p>		
		
<p>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 APPLY 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.</p>		
<h2 style="margin: 0;">AYLWARD SUBDIVISION</h2> <h2 style="margin: 0;">TOWN OF KEENE, NY</h2>		
<p>PROJECT NAME</p>		
<p>LOCATION</p> <p style="text-align: center;">KEENE, NY</p>		
<p>DATE</p> <p>9/19/25</p>	<p>ISSUED FOR</p> <p>PERMITTING</p>	<p>REV</p>
<p>DRAWN BY: RRG</p>		
<p>CHECKED BY: JAG</p>		
<p>PROJECT #: 23-057</p>		
<p>ORIGINAL 24"x36"</p>		
<p>TITLE</p> <p style="text-align: center; font-size: 1.2em;">DEMO & ESC PLAN</p>		
<p>SHEET</p> <p style="text-align: center; font-size: 1.5em;">C103</p>		





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TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
9/19/25	PERMITTING	
11/7/25	APA CHANGES	A
12/5/25	FIRE CHANGES	B

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE

OVERALL
SITE PLAN

SHEET

C105



AYLWARD SUBDIVISION
TOWN OF KEENE, NY

1000

LOCATION
KEENE, NY

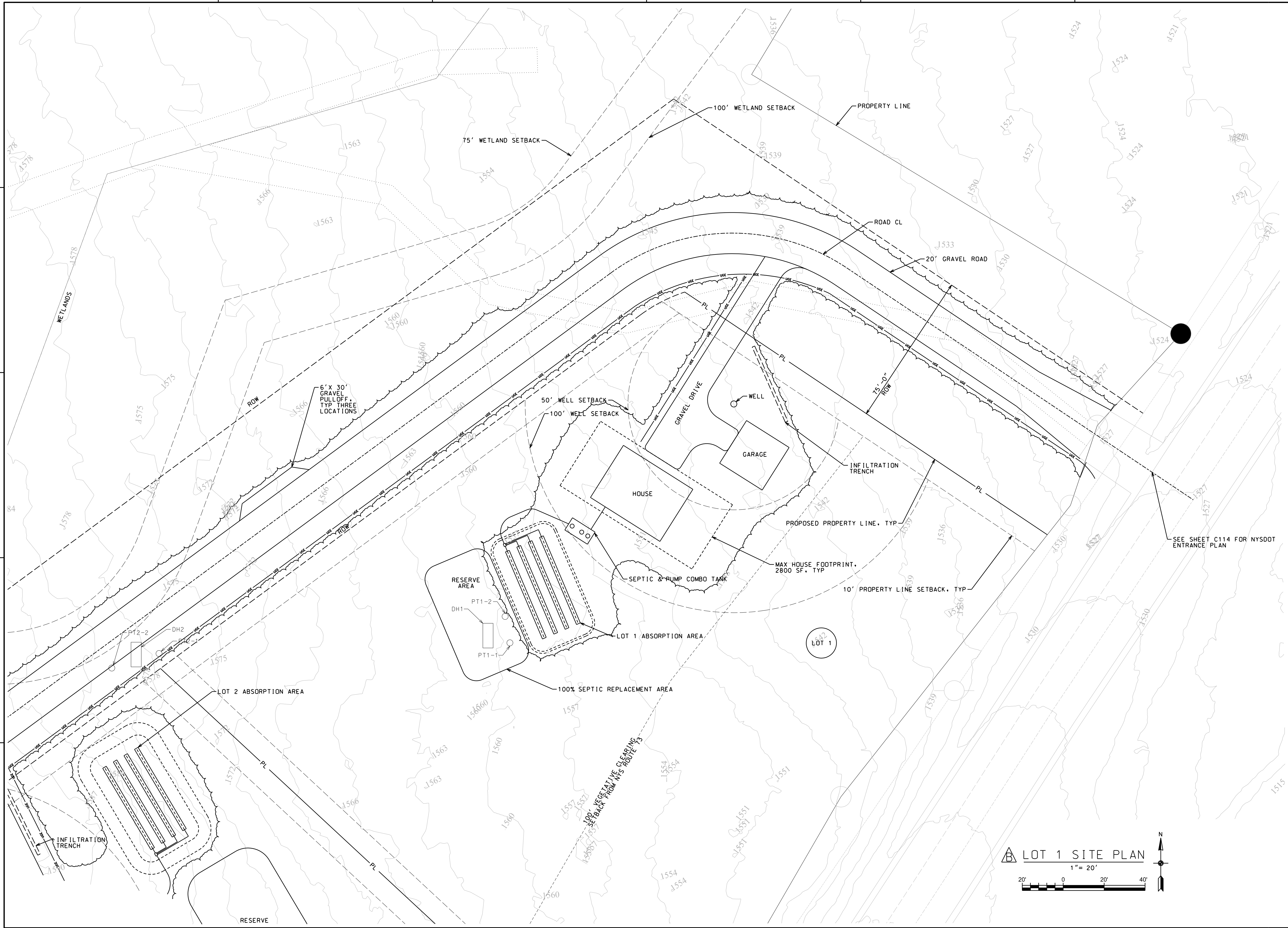
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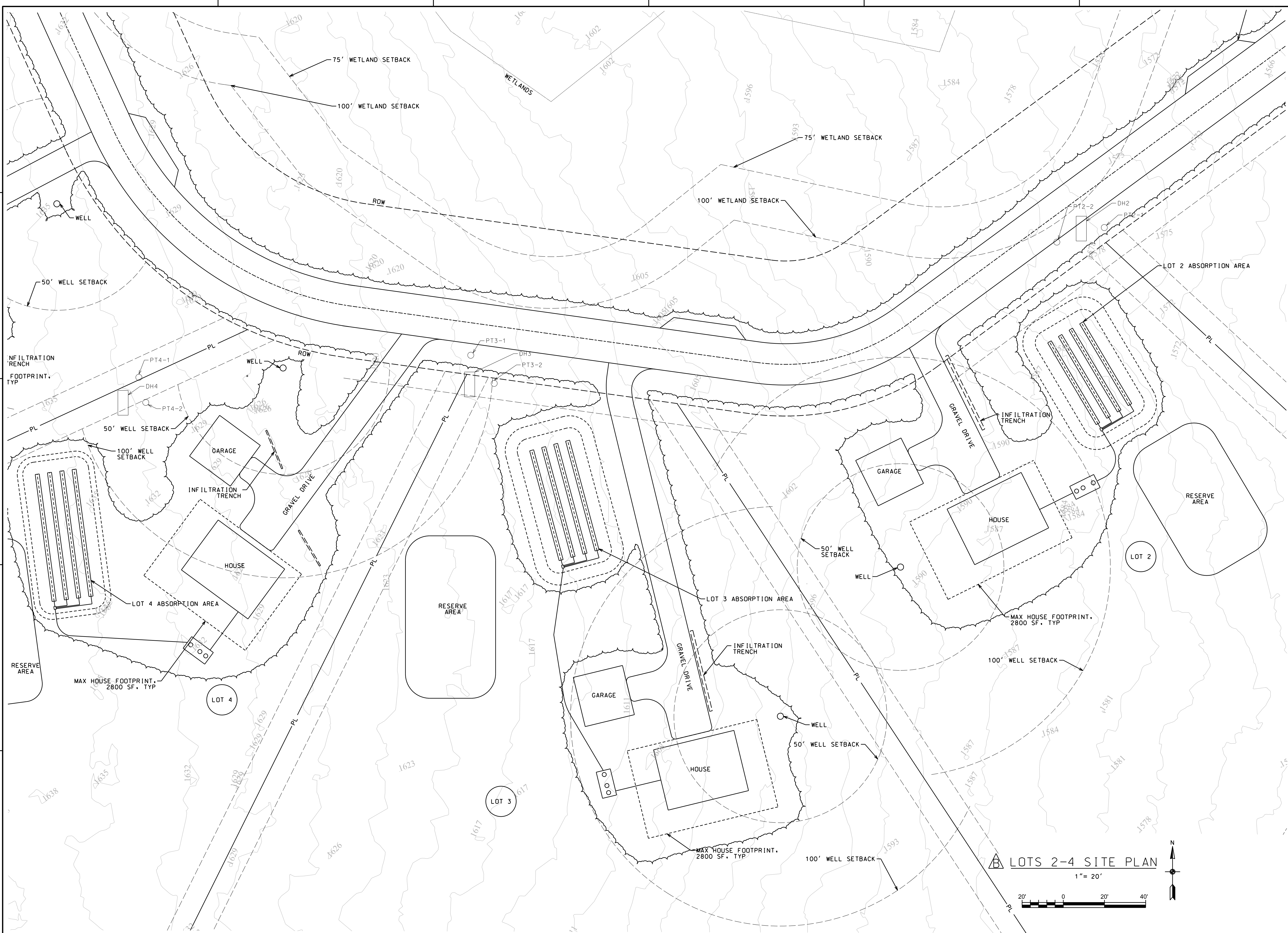
RAWN BY:RRG
HECKED BY: JAG
ROJECT #:23-057
RIGINAL 24"x36"
ITLE

LOT 1
LAYOUT

SHEET

C106





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TOWN OF KEENE, NY

PROJECT NAME

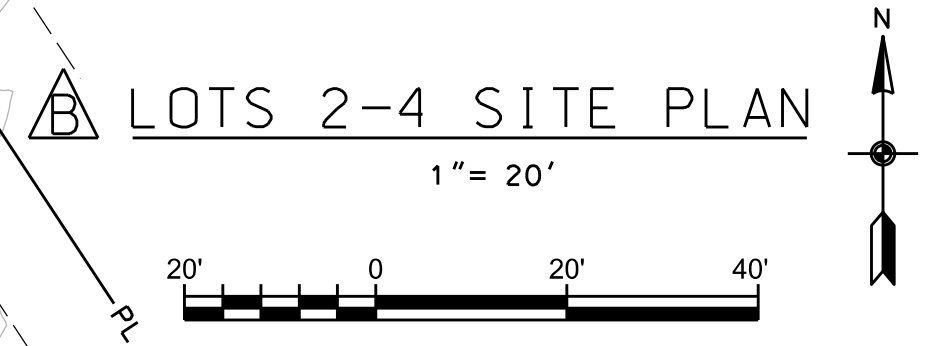
LOCATION
KEENE, NY

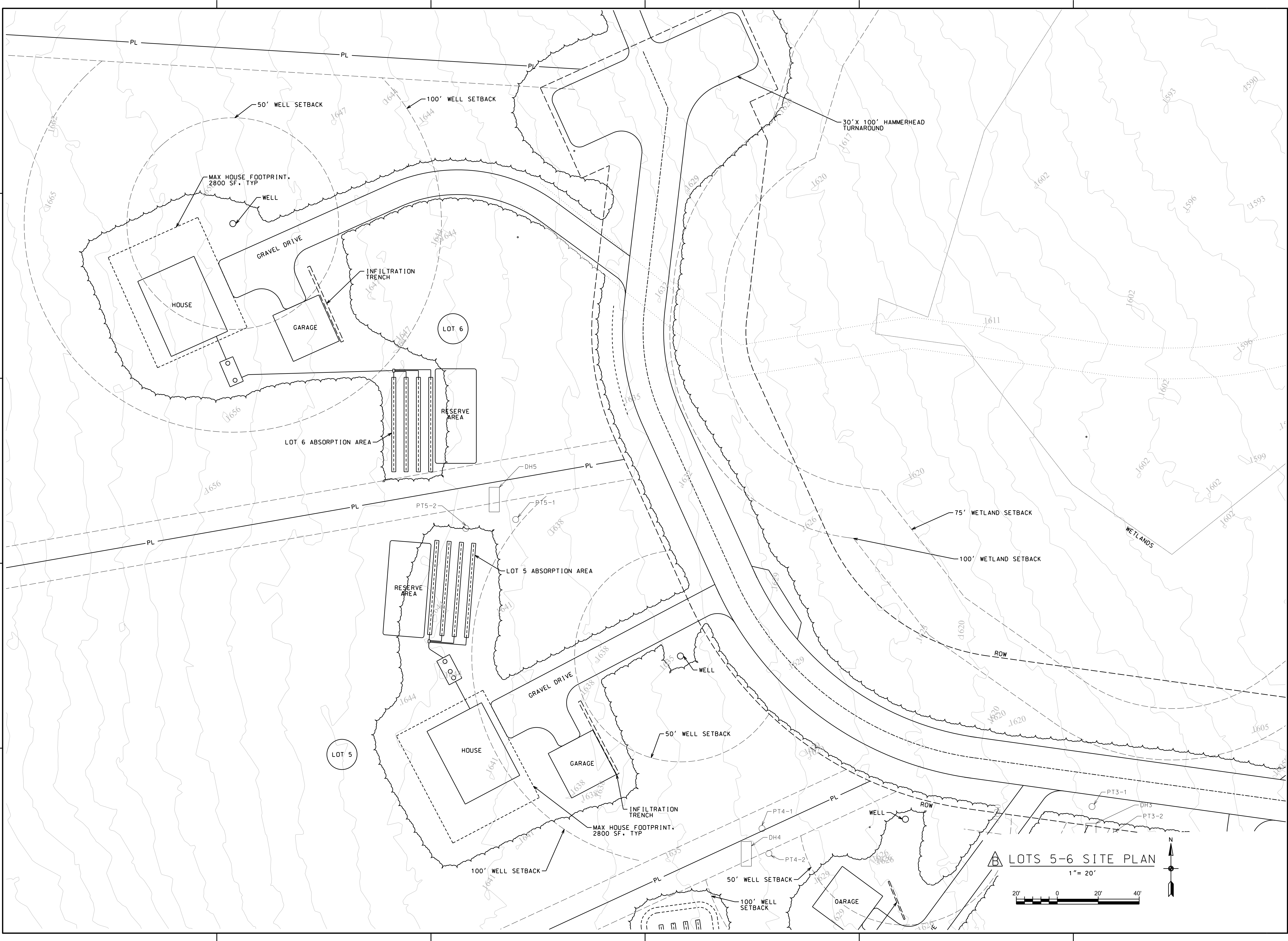
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11/7/25	APA CHANGES	A
12/5/25	FIRE CHANGES	B

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE
LOTS 2-4
LAYOUT

SHEET
C107





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075492
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TOWN OF KEENE, NY

PROJECT NAME

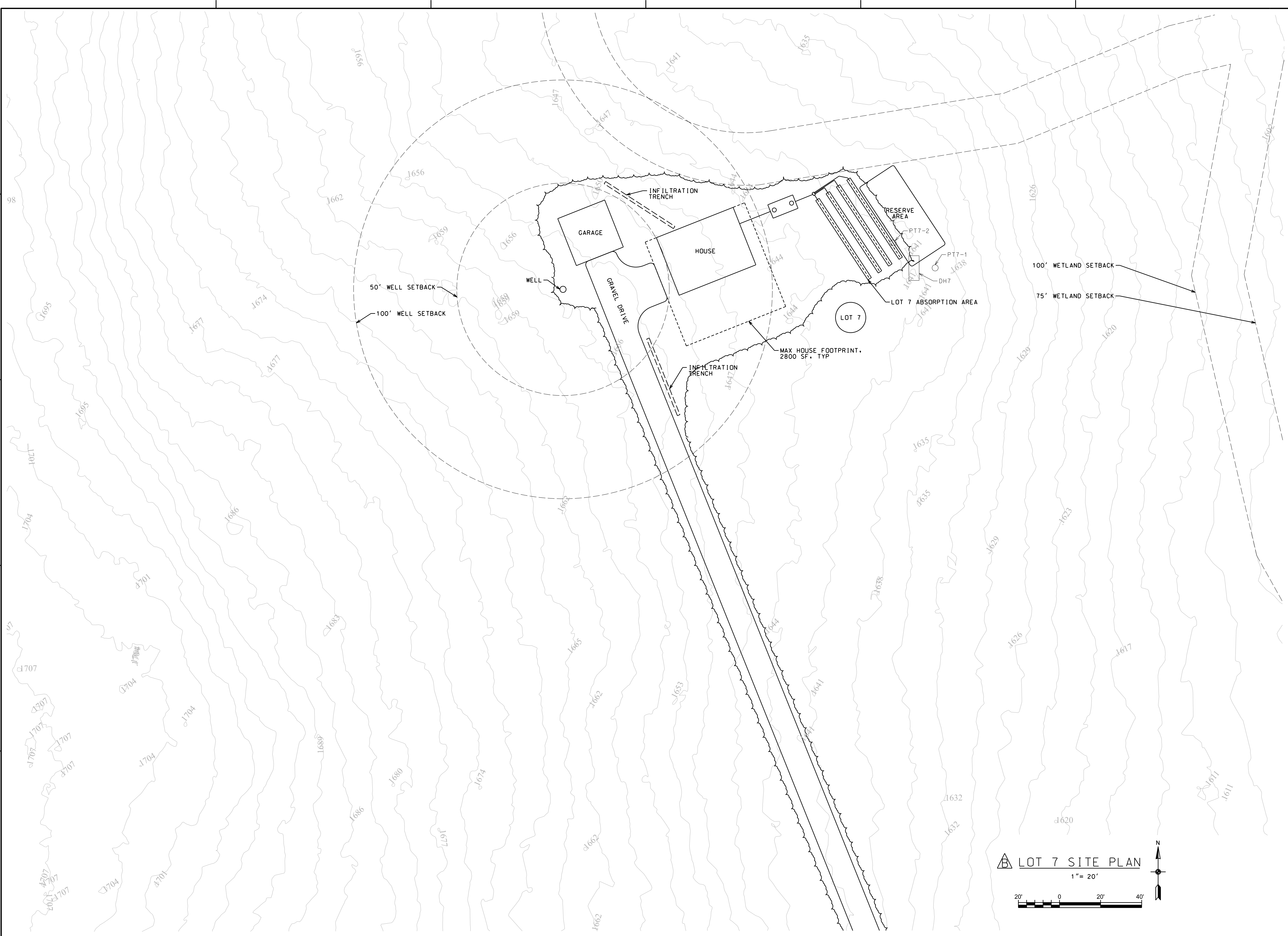
LOCATION
KEENE, NY

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11/7/25	APA CHANGES	A
12/5/25	FIRE CHANGES	B

DRAWN BY:RRG
CHECKED BY: JAG
PROJECT #:23-057
ORIGINAL 24"x36"

TITLE
LOTS 5-6
LAYOUT

SHEET
C108



LOT 7 SITE PLAN
1" = 20'



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TOWN OF KEENE, NY

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12/5/25	FIRE CHANGES	B

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE
LOT 7 LAYOUT

SHEET
C109



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AYLWARD SUBDIVISION
KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	
11/7/25	APA CHANGES	A
12/5/25	FIRE CHANGES	B

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 23-057

ORIGINAL 24"x36"

TITLE

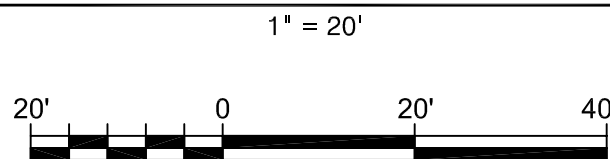
ROAD & DRIVE
GRADING PLAN
STA 0+00-7+00

SHEET

C110



ROAD & DRIVE
B GRADING PLAN STA 0+00-7+00



- NOTES:
- ALL GRADING PLANS ARE SHOWN W 1' MINOR & 5' MAJOR CONTOURS
 - INFILTRATION BASINS NOT SHOWN ON GRADING PLAN TO ALLOW FOR SITE SPECIFIC INSTALLATION



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AYLWARD SUBDIVISION
KEENE, NY

THEORY

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
/25/25	PERMITTING	
1/7/25	APA CHANGES	A
2/5/25	FIRE CHANGES	B

DRAWN BY: RRG

CHECKED BY: JAG

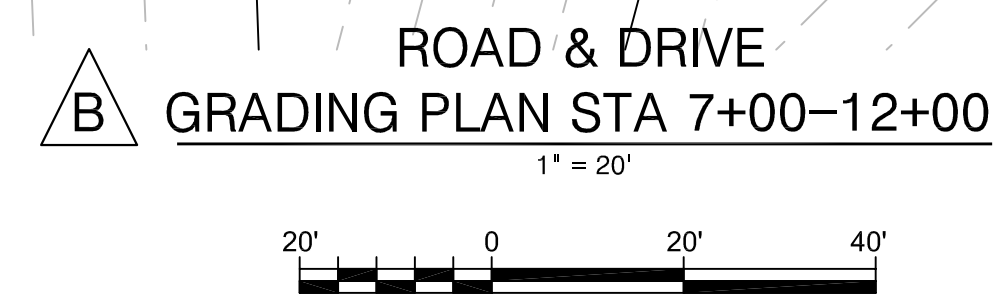
PROJECT #: 23-057

ORIGINAL 24"x36"

ITLE

ROAD & DRIVE
GRADING PLAN
STA 7+00-12+00

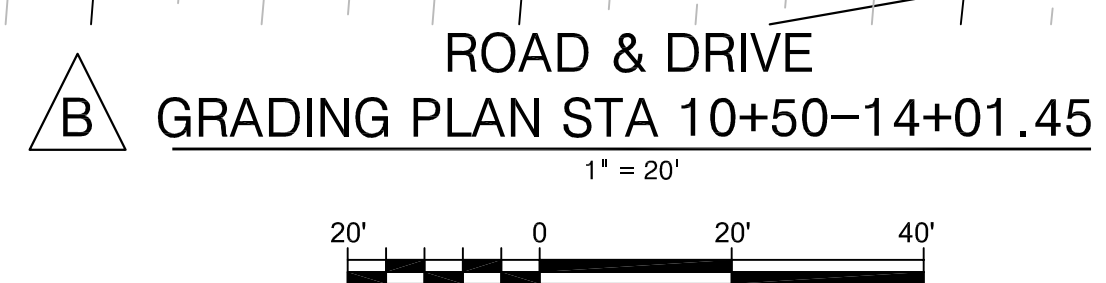
SHEET





AYLWARD SUBDIVISION
KEENE, NY

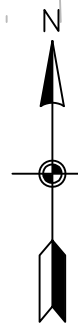
C112





GRADING PLAN LOT 7 DRIVE
STA 2+50-6+76

1" = 20'



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AYLWARD SUBDIVISION

KEENE, NY

PROJECT NAME

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KEENE, NY

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11/7/25	APA CHANGES	A

DRAWN BY: RRG

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PROJECT #: 23-057

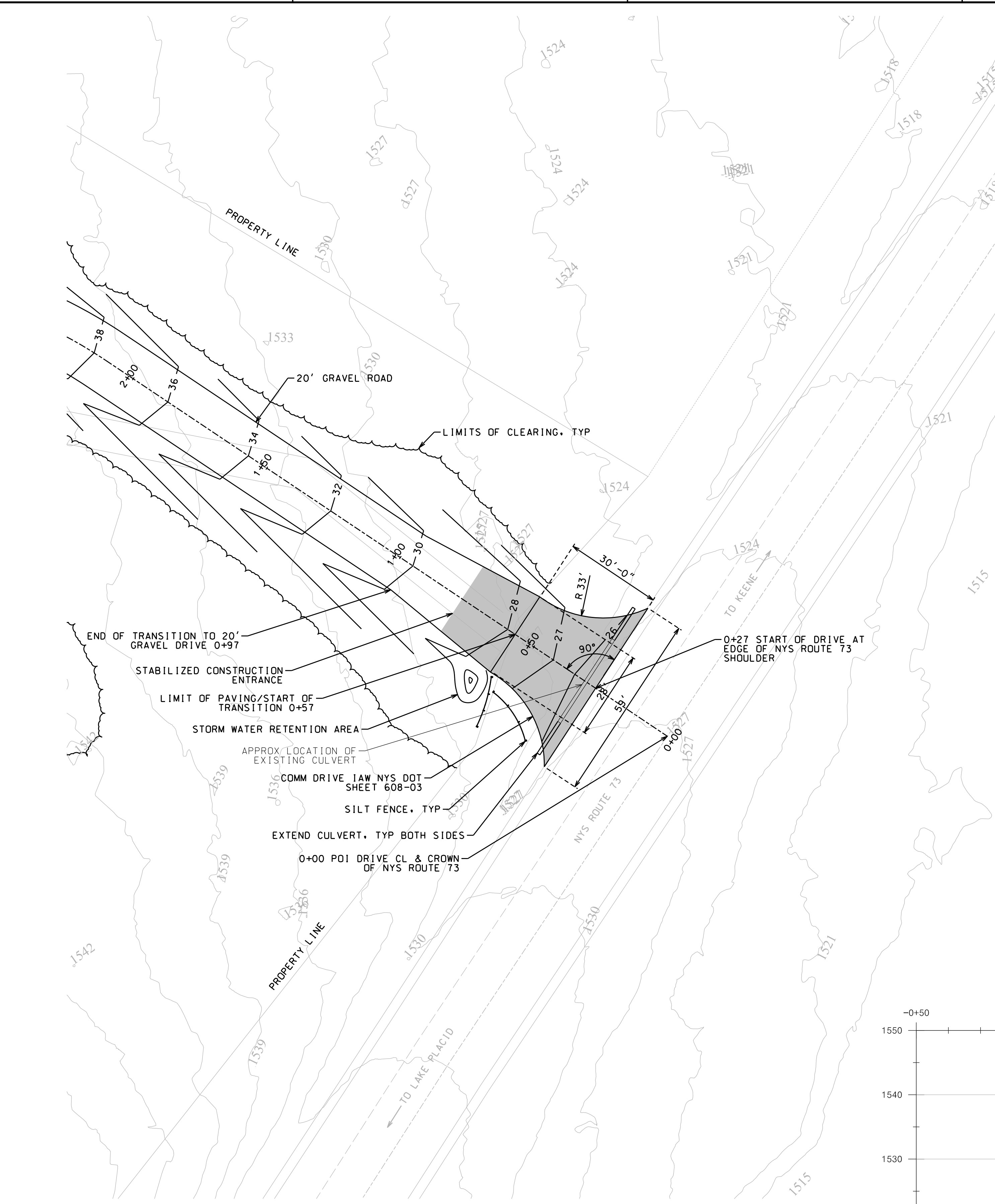
ORIGINAL 24"x36"

TITLE

LOT 7 DRIVE GRADING
STA 2+50-6+76

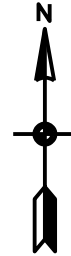
SHEET

C113



DRIVE SITE PLAN 0+00-2+00

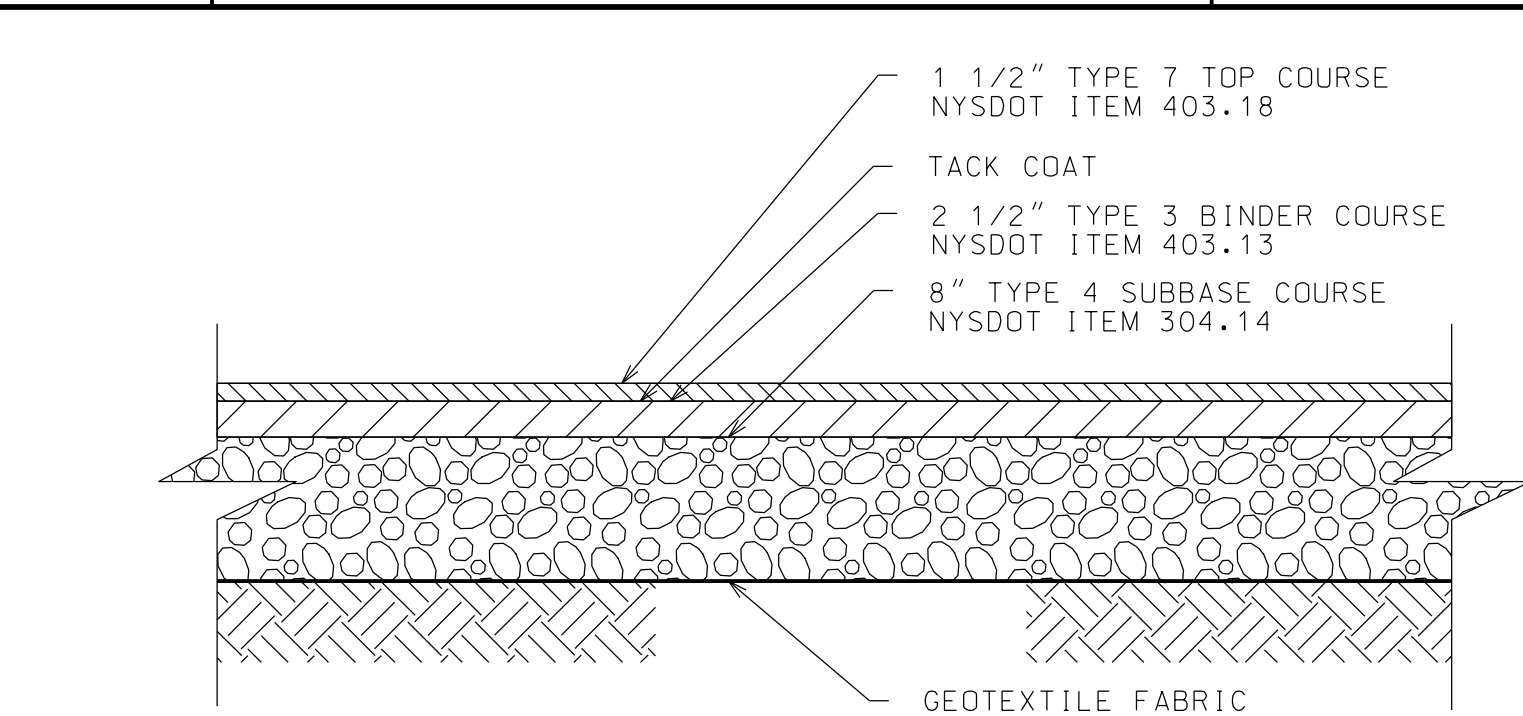
1" = 20'



SIGHT DISTANCE NOTES:

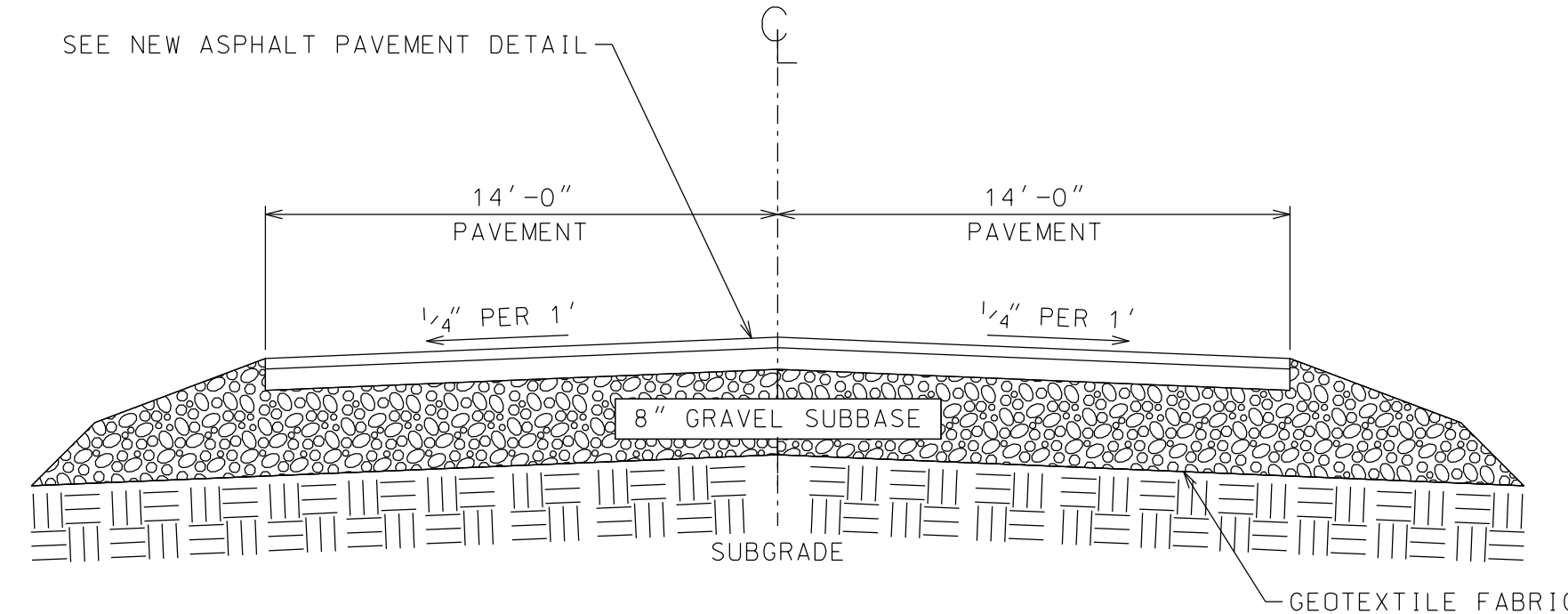
MEASURED BY J. GARSO, PE
ON 24 SEPTEMBER 2025.
DOT SIGHT DISTANCE NORTHEAST = 1200' +
DOT SIGHT DISTANCE SOUTHWEST = 816' +

NOTE:
CLOSE SHOULDER IAW DOT STANDARDS WHEN
GRADING ADJACENT TO STATE HIGHWAY



NEW ASPHALT PAVEMENT DETAIL

NTS



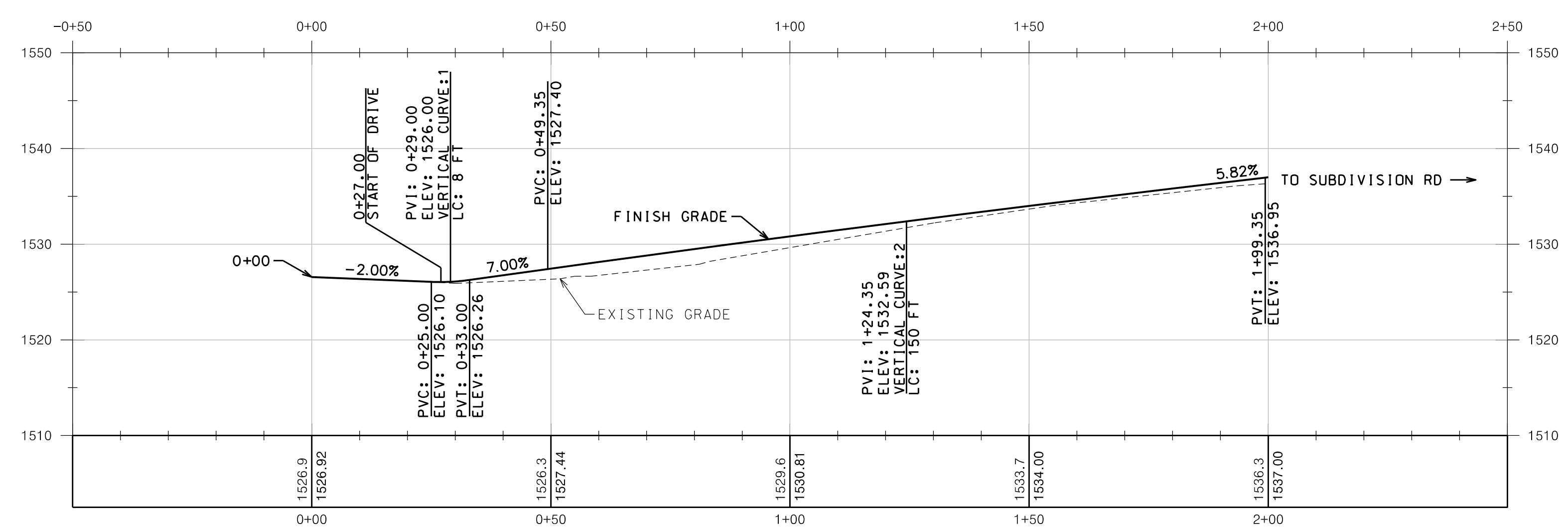
TYPICAL PAVED DRIVE SECTION

NTS

NOTE:
USE SECTION INSIDE OF NYS DOT ROW

NYS DOT STANDARD GENERAL PLAN NOTES:

- ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
- MATERIALS, EQUIPMENT, AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
- WORK ZONE TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE MOST RECENT NYS DOT STANDARD SPECIFICATIONS - SECTION 619 WORK ZONE TRAFFIC CONTROL, THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, DECEMBER 2023 EDITION, AND THE NEW YORK STATE SUPPLEMENT.
- NOTIFY NEW YORK STATE DEPARTMENT OF TRANSPORTATION RESIDENT ENGINEER, GEORGE LAUNDRIE, PE, ONE (1) WEEK PRIOR TO WORKING IN THE RIGHT-OF-WAY (TELEPHONE NUMBER: (518) 873-2170).
- NOTIFY UDIG NEW YORK TWO (2) WORKING DAYS PRIOR TO DIGGING, DRILLING, OR BLASTING AT 1-800-962-7962 FOR UTILITY STAKE OUT.
- ALL MATERIALS USED WITHIN THE STATE RIGHT-OF-WAY MUST COMPLY WITH THE LATEST NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND THE CURRENT ADDENDA, ALONG WITH ANY APPROPRIATE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SHEETS.
- ALL TRAFFIC CONTROL DEVICES MUST CONFORM TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT.



PROFILE NOTE:
0+00 IS POI DRIVE CL & CROWN OF NYS ROUTE 73

DRIVE PROFILE

HORIZ: 1" = 20'
VERT: 1" = 10'
H:V = 1:2



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AYLWARD SUBDIVISION DRIVEWAY
TOWN OF KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

DATE	ISSUED FOR	REV
10/30/25	DOT PERMIT	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE
DRIVE SITE PLAN
& PROFILE

SHEET



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AYLWARD SUBDIVISION

KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	
11/7/25	APA CHANGES	A

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 23-057

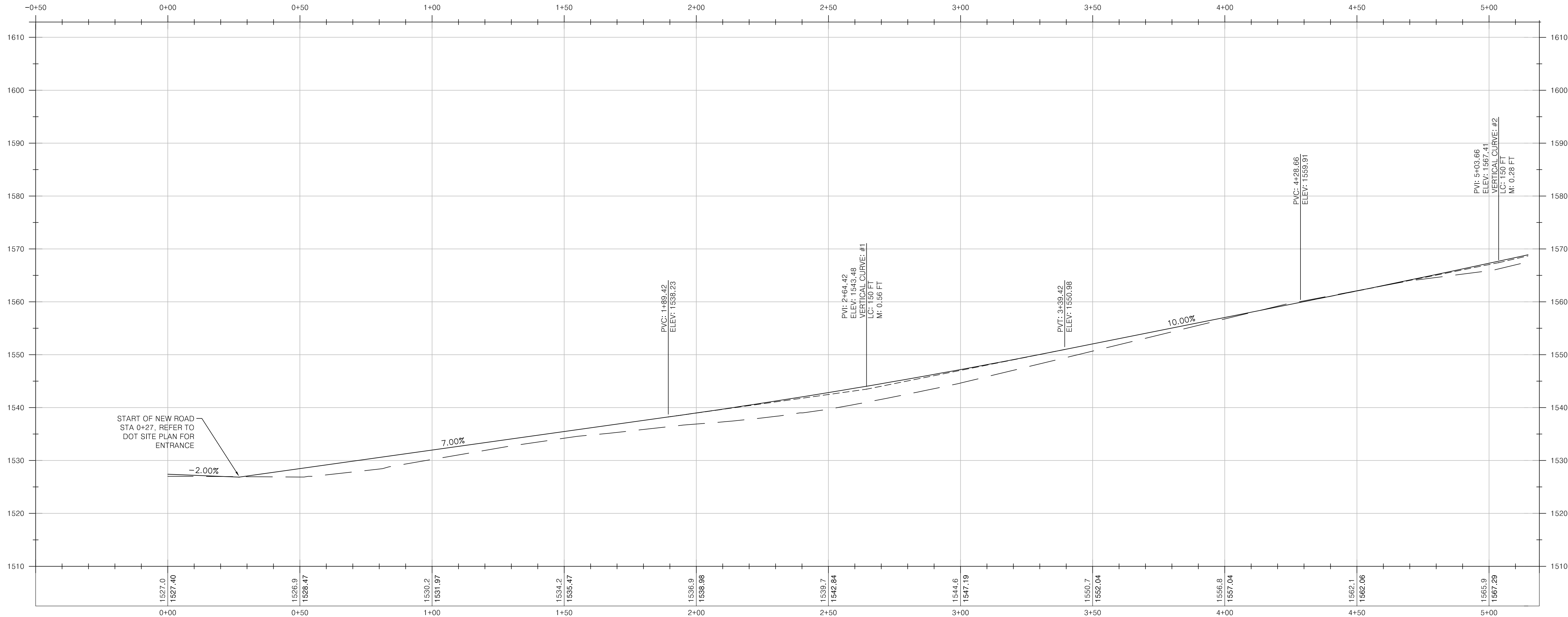
ORIGINAL 24"x36"

TITLE

MAIN RD PROFILE
STA 0+00-5+00

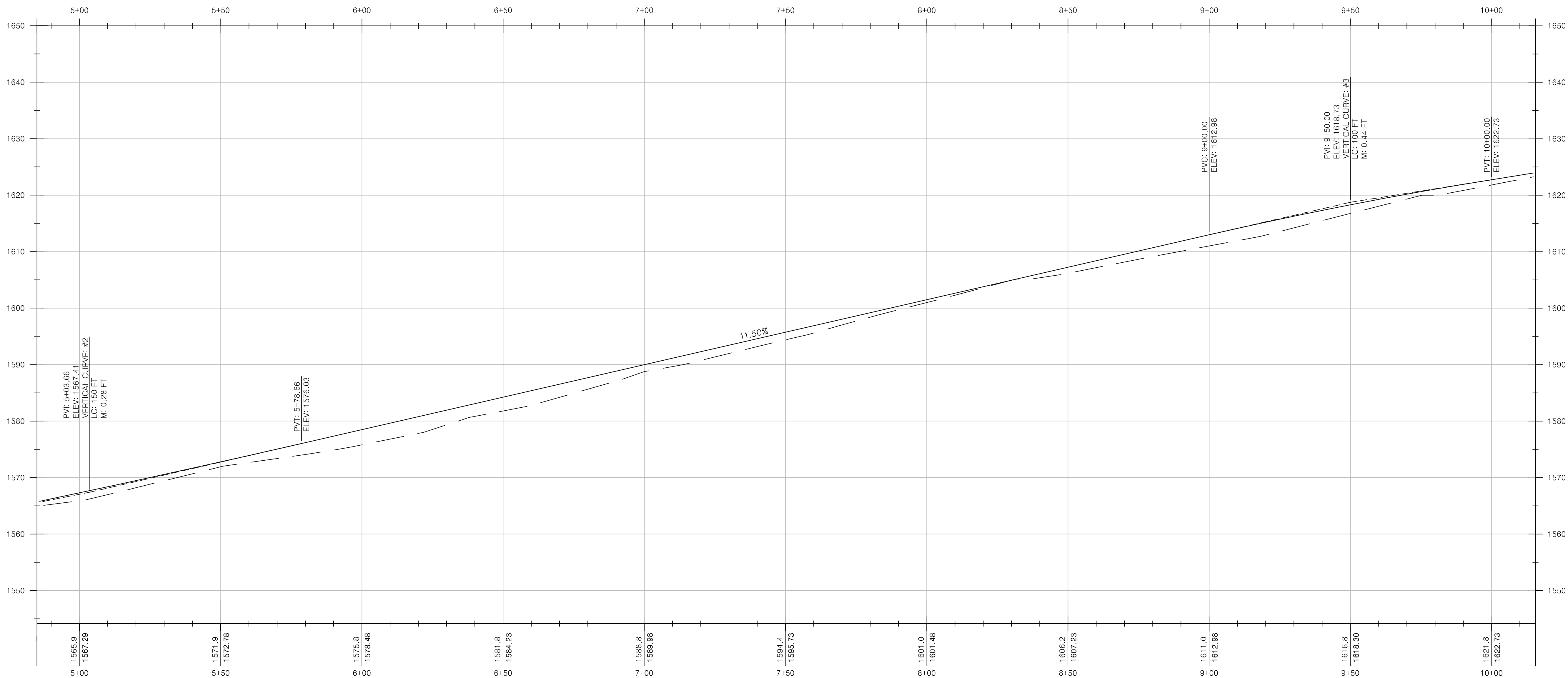
SHEET

C200



MAIN RD PROFILE STA 0+00-5+00

HORIZ: 1" = 20'
VERT: 1" = 10'
H:V = 1:2



A **MAIN RD PROFILE STA 5+00-10+00**
HORIZ: 1" = 20'
VERT: 1" = 10'
H:V = 1:2



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AYLWARD SUBDIVISION
KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	
11/7/25	APA CHANGES	A

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE
**MAIN RD PROFILE
STA 5+00-10+00**

SHEET
C201



WARNING: IT IS A VIOLATION OF NEW YORK STATE
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DESCRIPTION OF THE ALTERATION.

AYLWARD SUBDIVISION
KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	
11/7/25	APA CHANGES	A

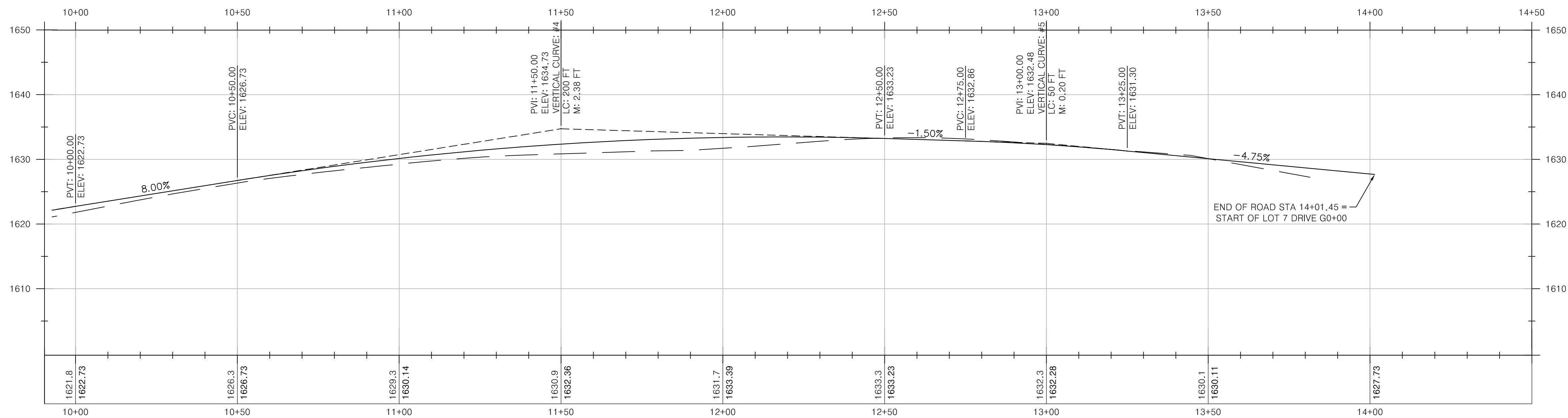
DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE

MAIN ROAD PROFILE
STA 10+00-14+50

SHEET

C202



A MAIN RD PROFILE STA 10+00-14+50
HORIZ: 1" = 20'
VERT: 1" = 10'
H:V = 1:2



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AYLWARD SUBDIVISION
KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

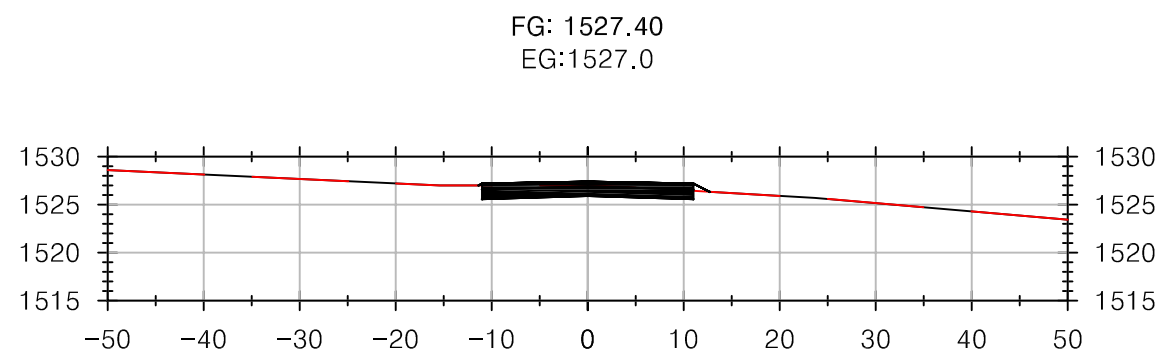
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7/25/25	PERMITTING	
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DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

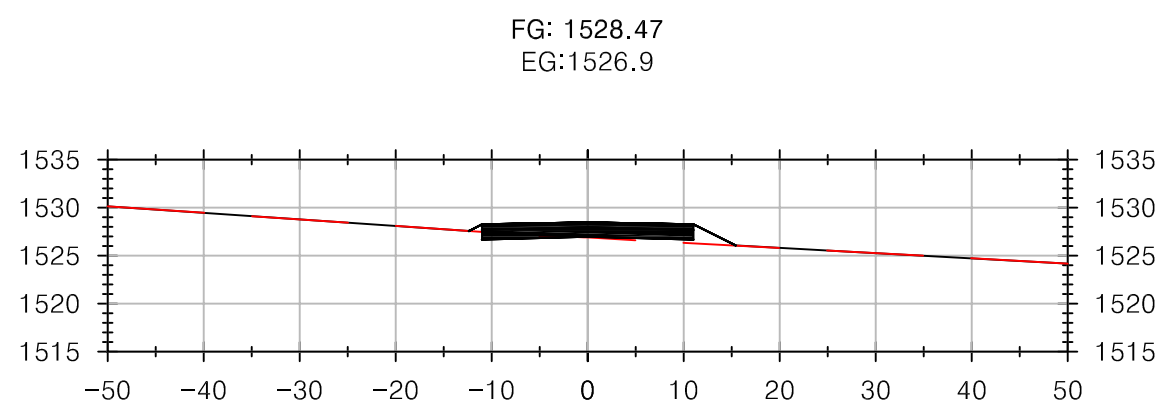
TITLE
ROAD SECTIONS
STA 0+00-10+00

SHEET

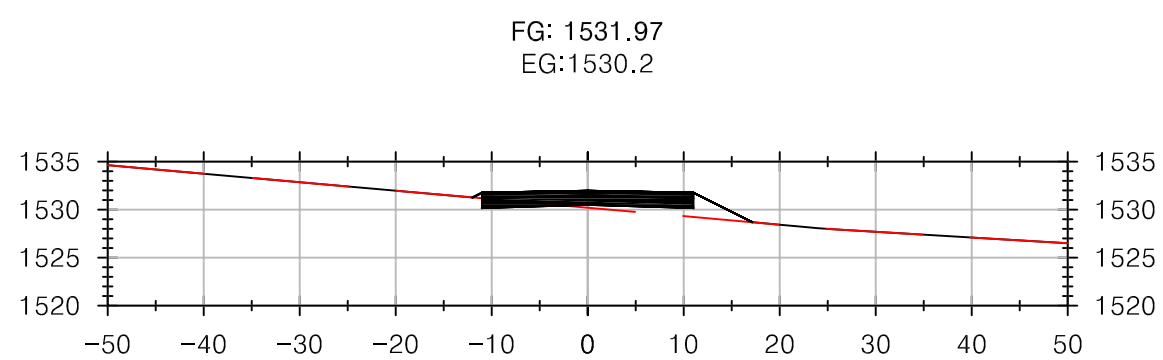
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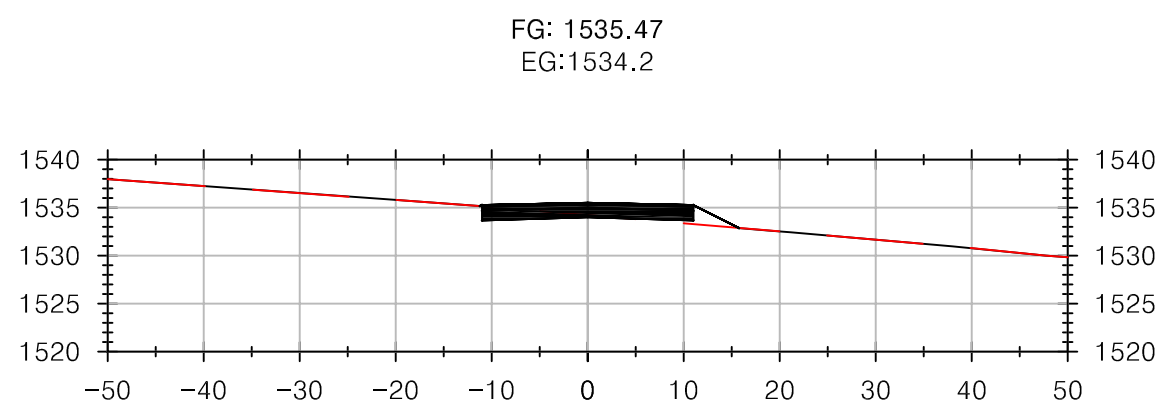
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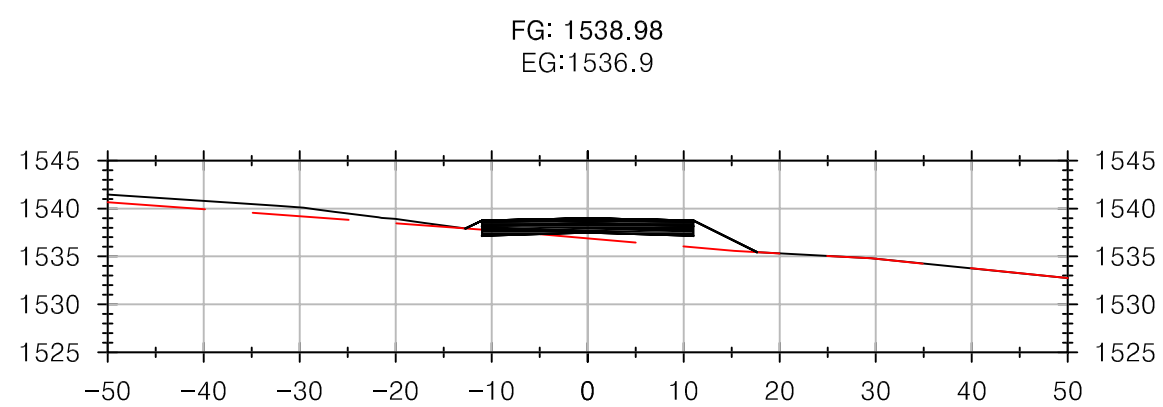
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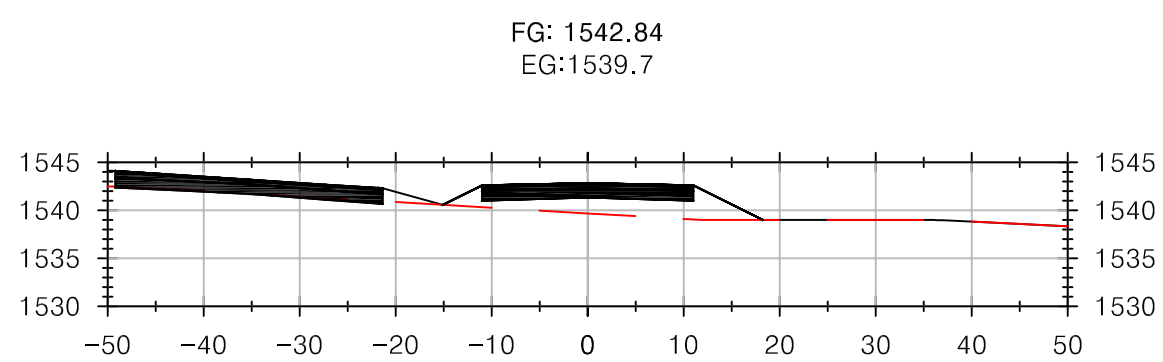
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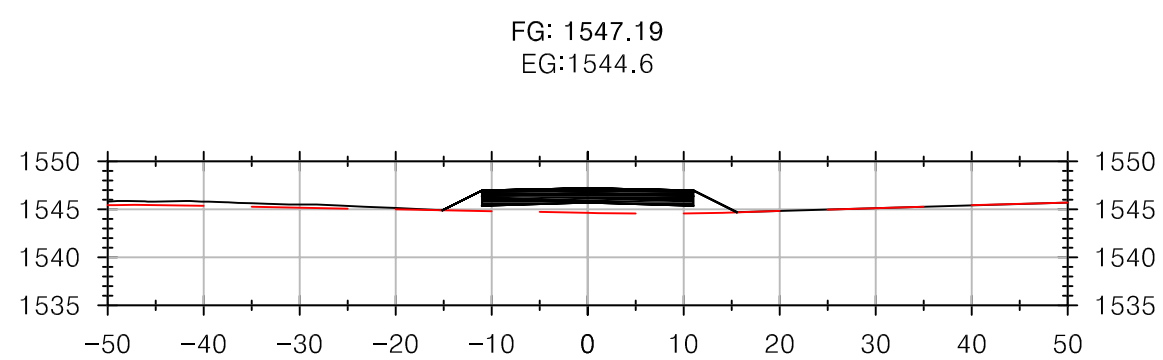
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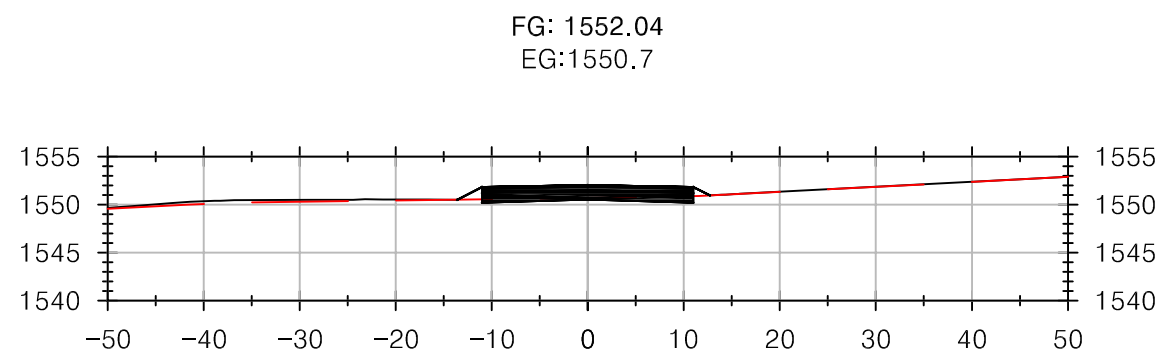
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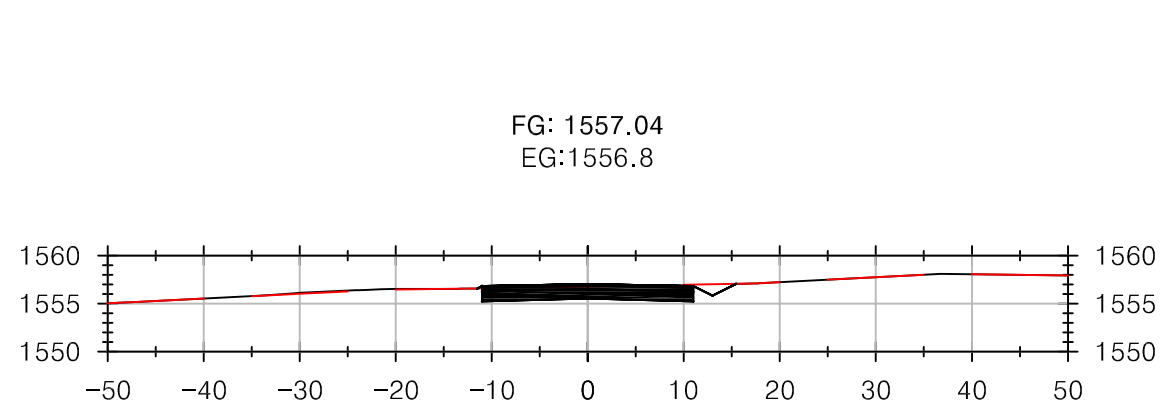
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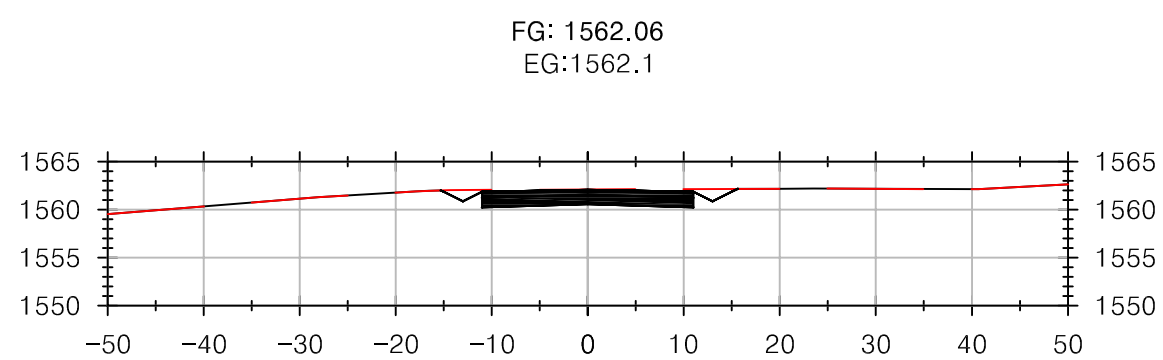
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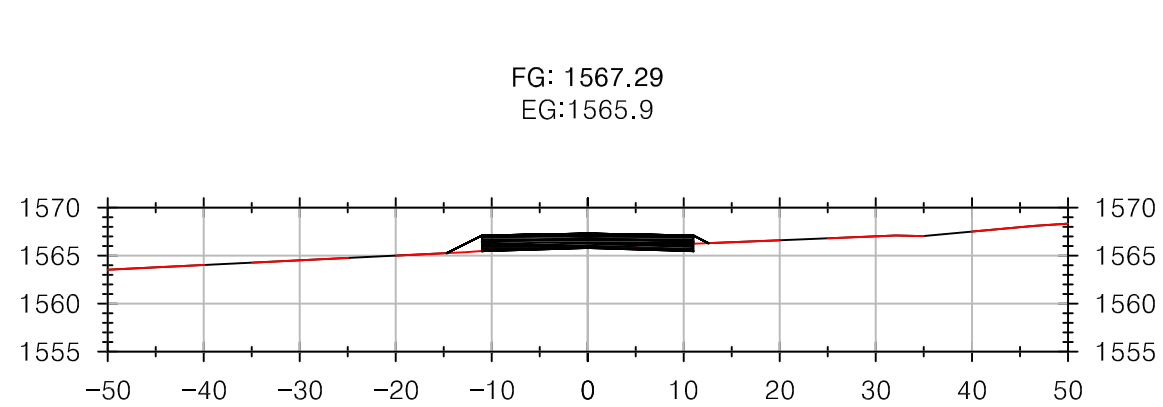
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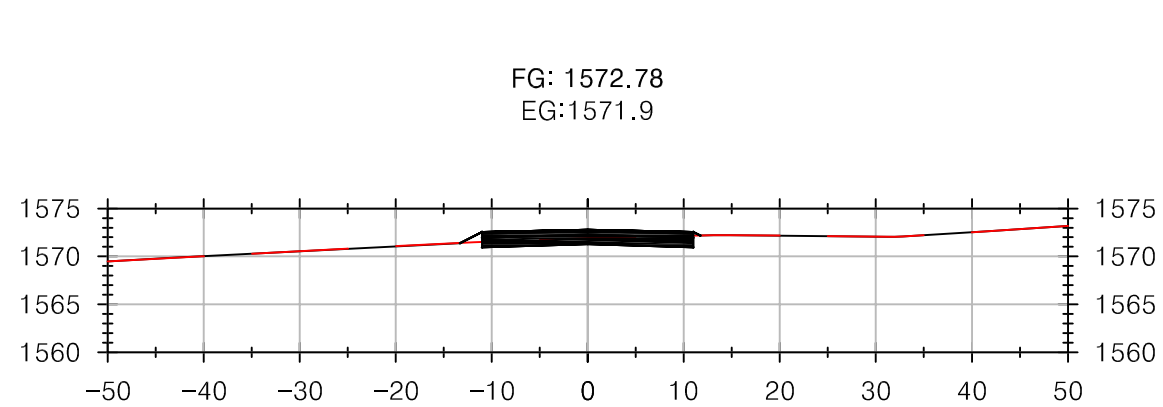
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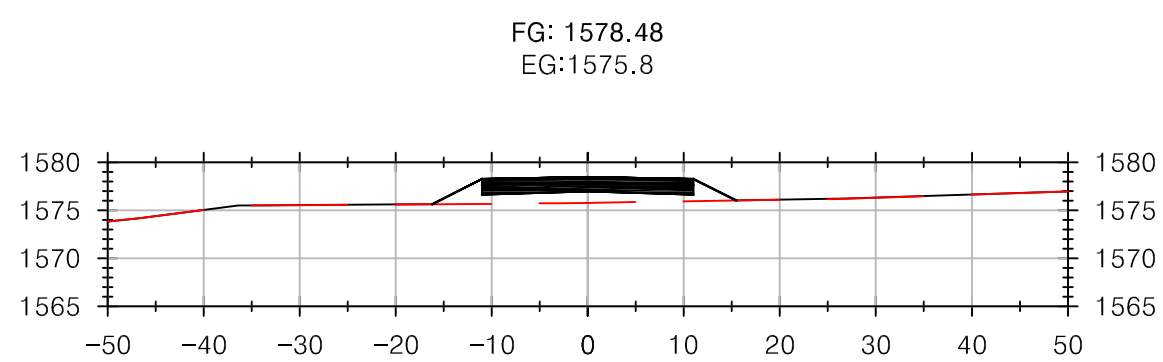
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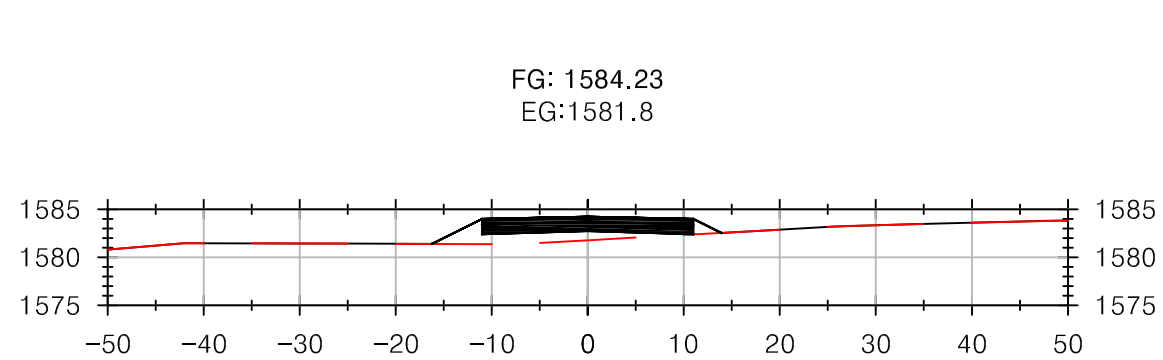
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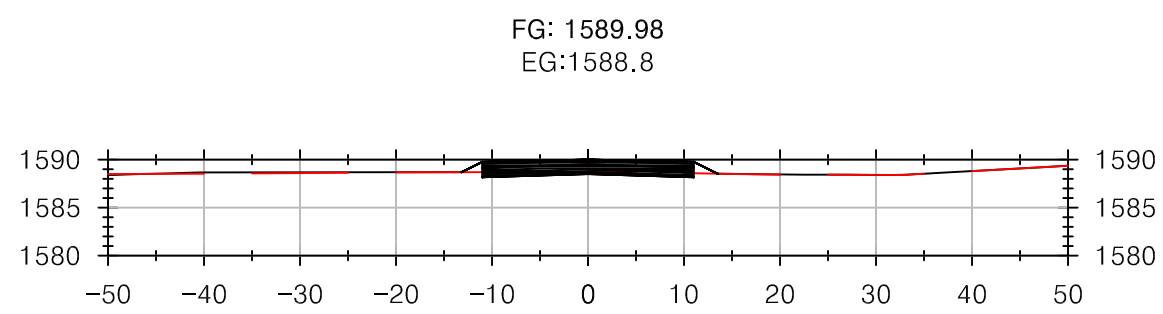
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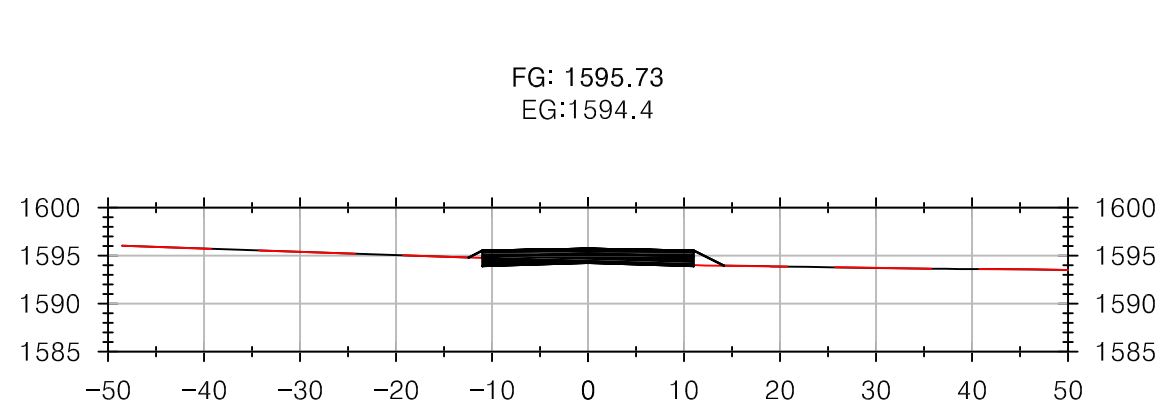
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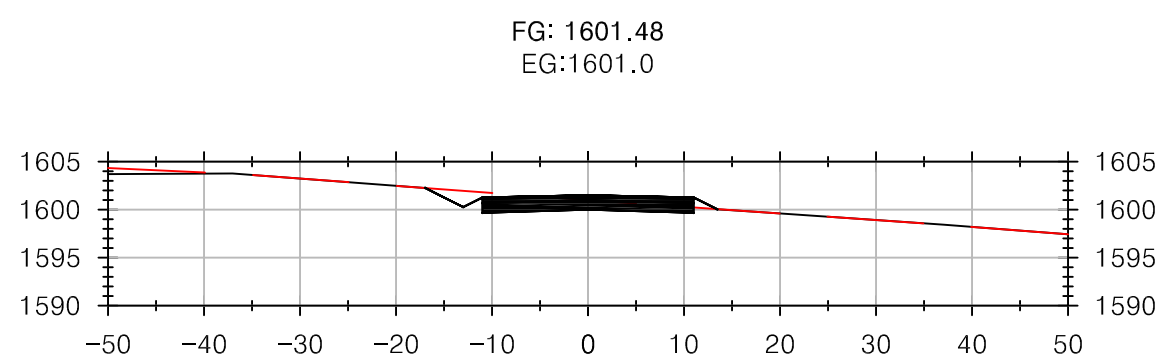
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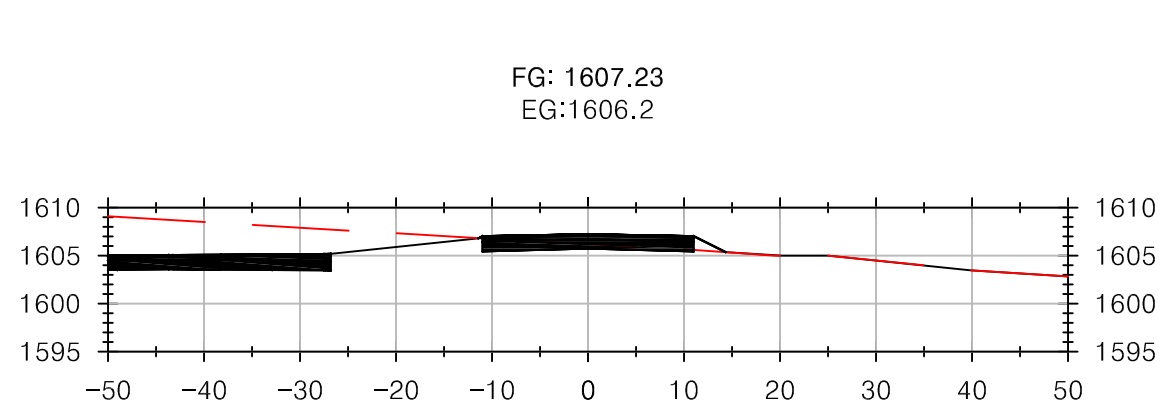
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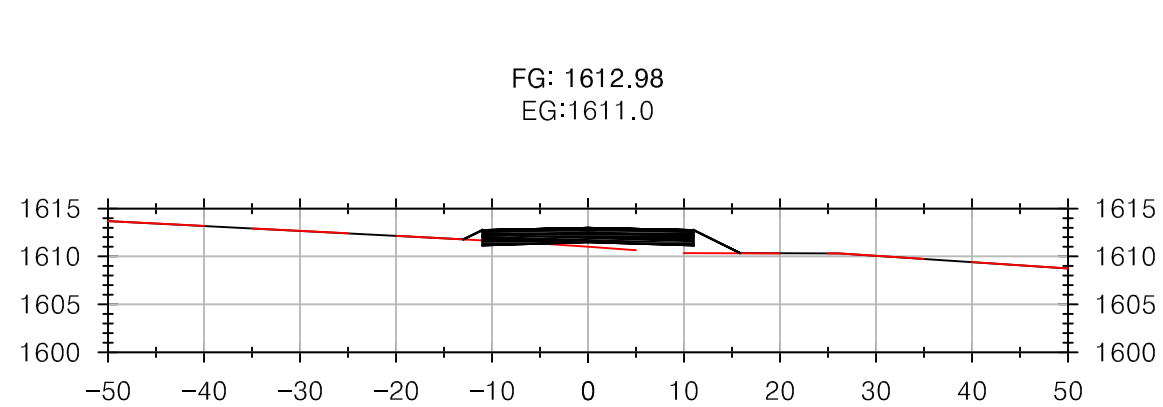
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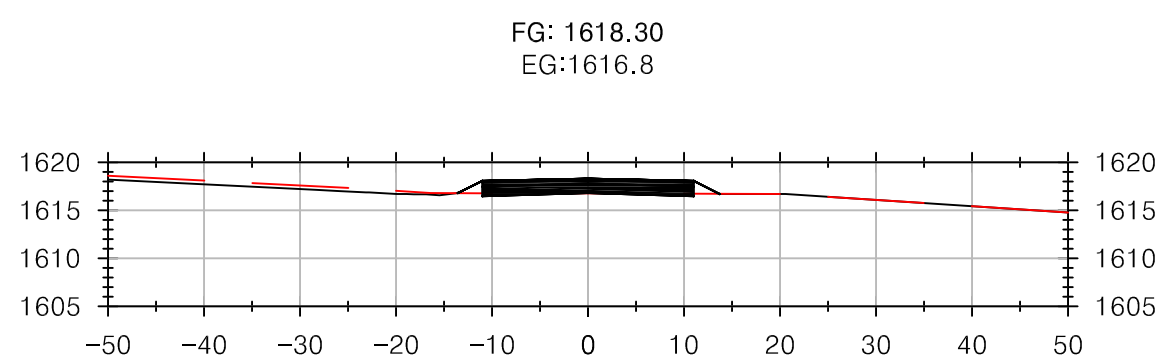
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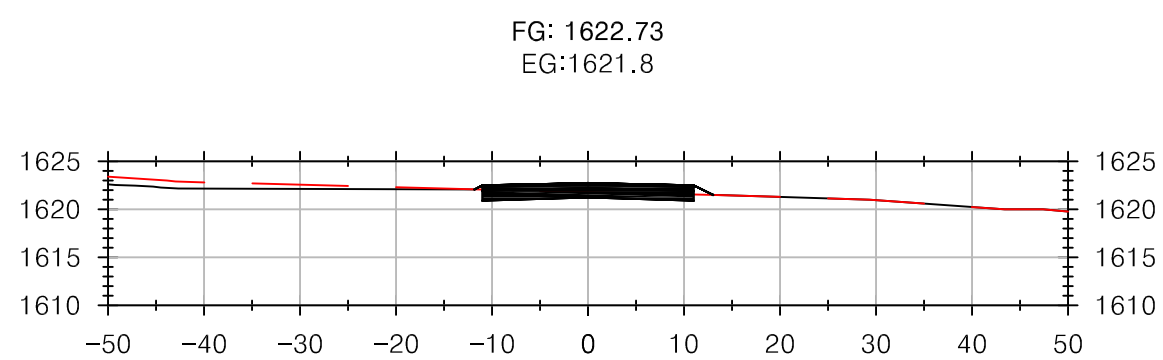
8+50.00



9+00.00



9+50.00



10+00.00



MAIN RD CROSS SECTIONS STA 0+00-10+00
1"=20'



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AYLWARD SUBDIVISION
KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

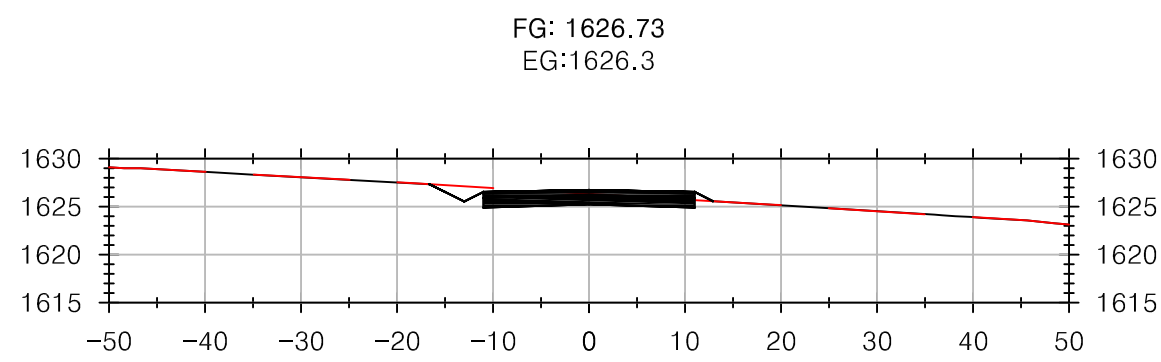
DATE	ISSUED FOR	REV
7/25/25	PERMITTING	
11/7/25	APA CHANGES	A

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

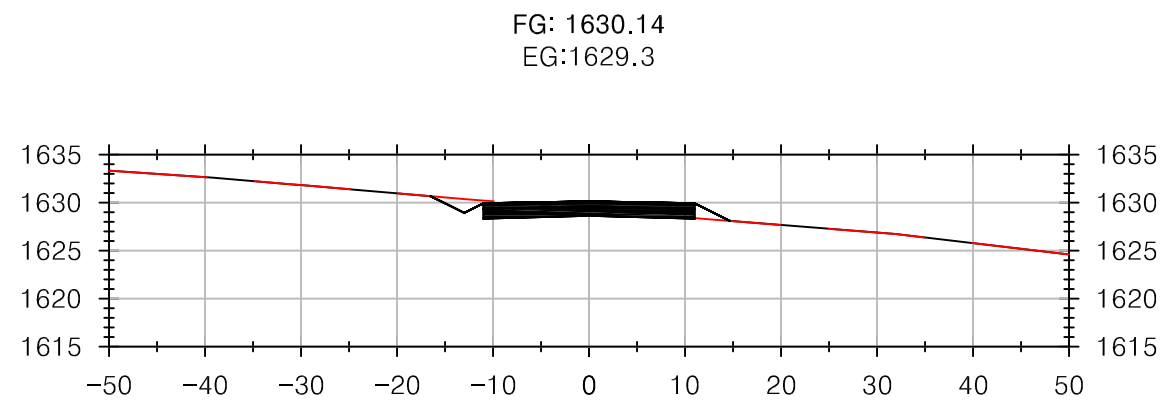
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ROAD SECTIONS
STA 9+00-12+40

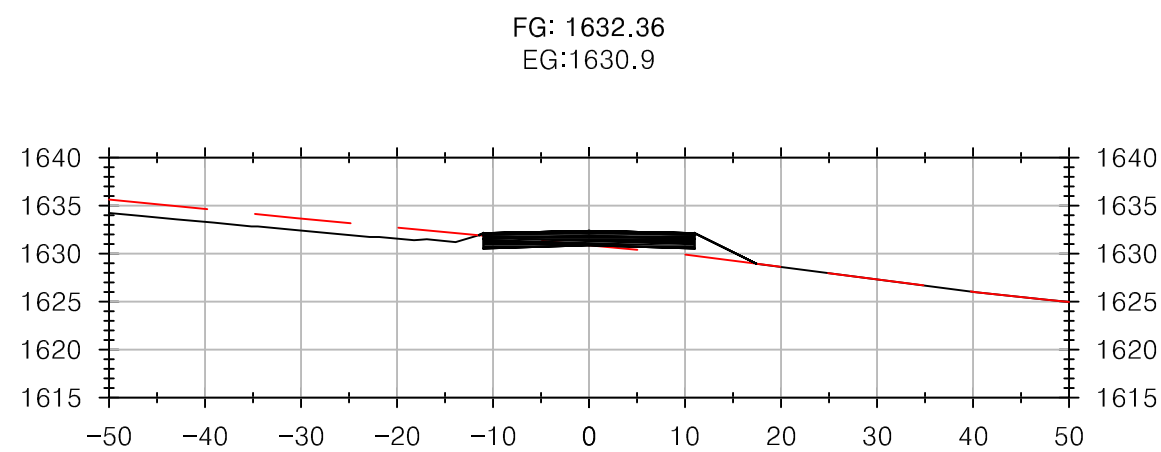
SHEET
C204



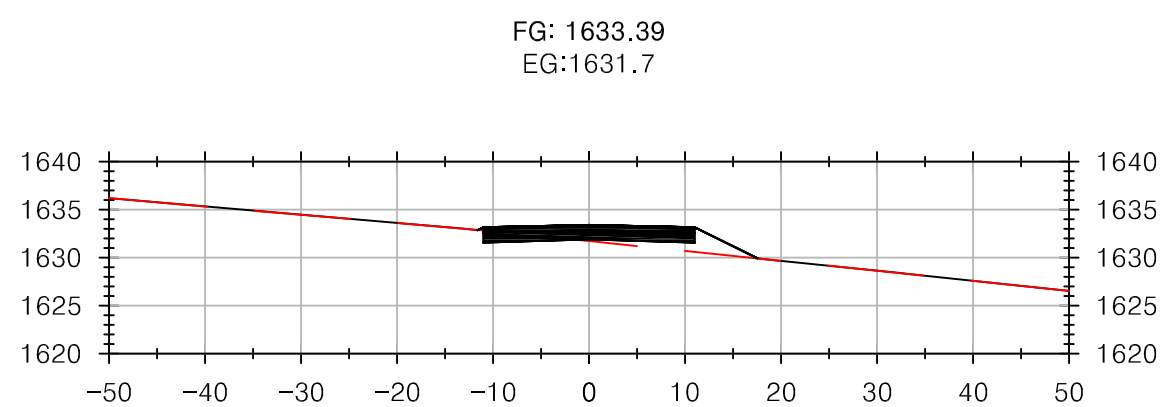
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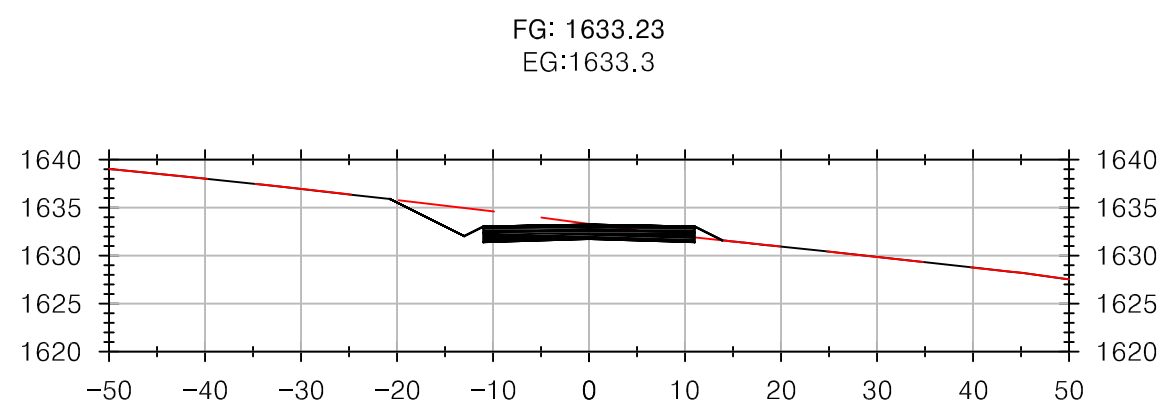
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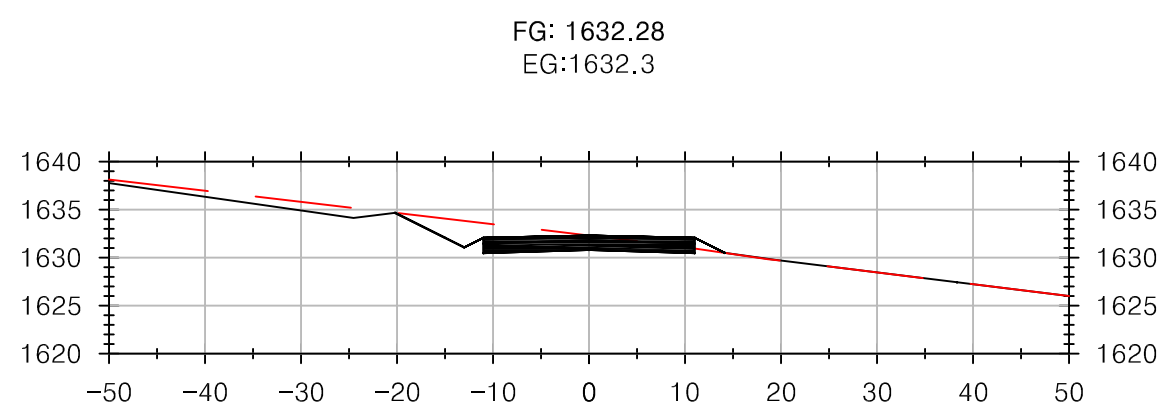
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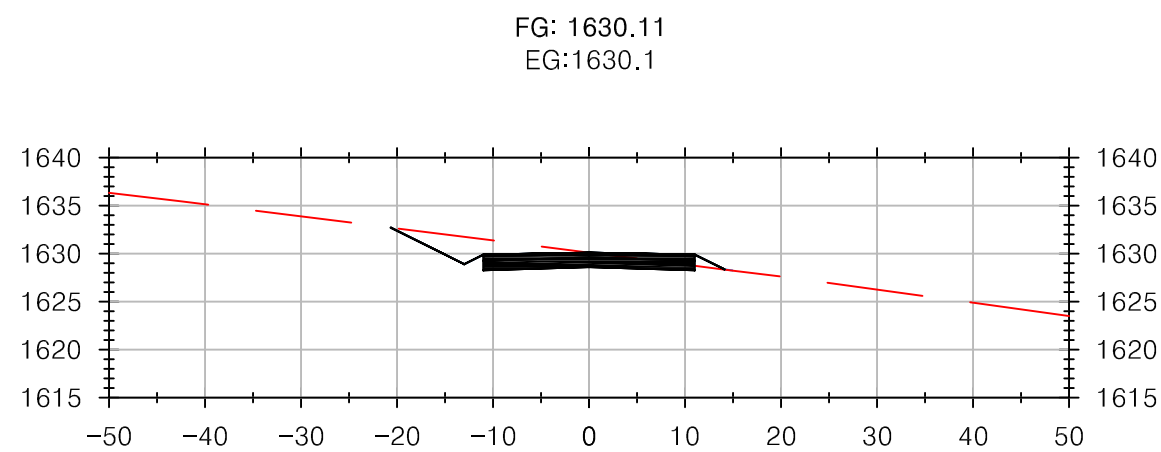
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12+50.00



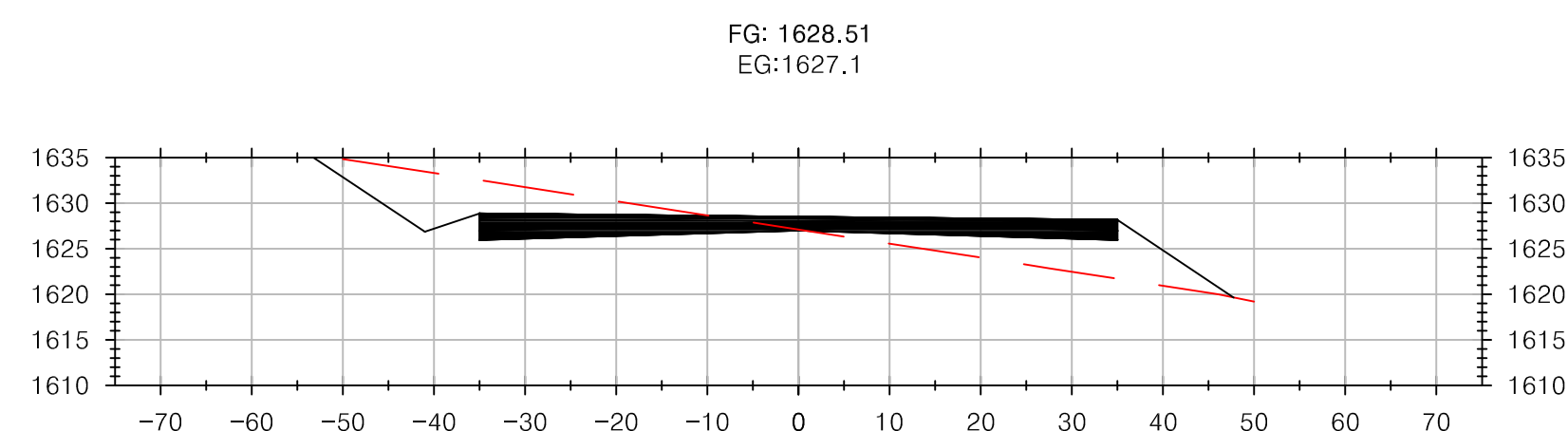
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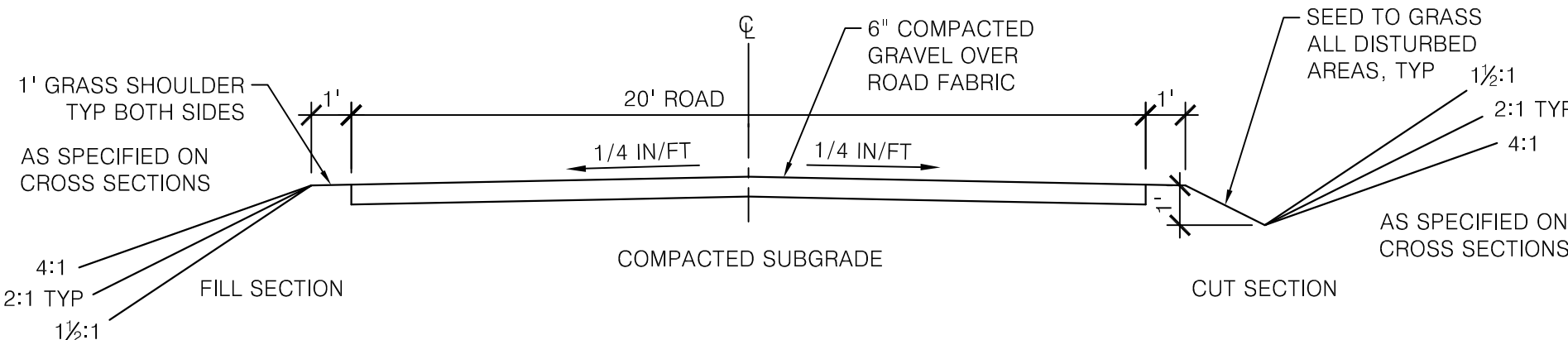
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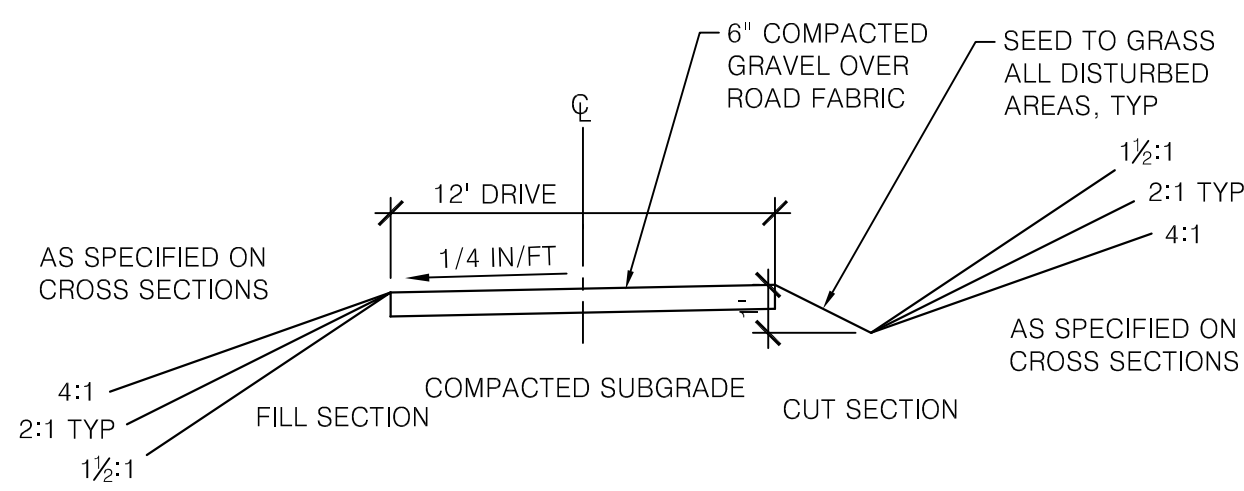
MAIN RD CROSS SECTIONS STA 10+50-14+00
1"=20'



14+00.00



1
C204
TYPICAL ROAD SECTION
SCALE: 1/4" = 1'



2
C204
TYPICAL DRIVE SECTION
SCALE: 1/4" = 1'

CONSTRUCTION WASTE MANAGEMENT PLAN

STORAGE AND DISPOSAL OF CONSTRUCTION SITE WASTES:

1. DESIGNATE A WASTE COLLECTION AREA ONSITE THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY TO A WATERBODY.
2. ENSURE THAT CONTAINERS HAVE LIDS SO THEY CAN BE COVERED BEFORE PERIODS OF RAIN, AND KEEP CONTAINERS IN A COVERED AREA WHENEVER POSSIBLE.
3. SCHEDULE WASTE COLLECTION TO PREVENT CONTAINERS FROM OVERFILLING.
4. CLEAN UP SPILLS IMMEDIATELY. FOLLOW PROCEDURES OUTLINED IN THE "CONSTRUCTION SPILL PREVENTION AND CONTROL PLAN". FOR HAZARDOUS MATERIALS, FOLLOW CLEANUP INSTRUCTIONS ON THE PACKAGE. USE AN ABSORBENT MATERIAL SUCH AS SAWDUST OR KITTY LITTER TO CONTAIN THE SPILL.
5. COLLECT, REMOVE, AND DISPOSE OF ALL CONSTRUCTION SITE WASTES AT AUTHORIZED DISPOSAL AREAS.
6. WASTEWATER FROM THE WASHOUT OF CONCRETE SHALL BE CONTAINED IN ACCORDANCE WITH STANDARD DETAIL.

DEWATERING

1. DISCHARGE FROM DEWATERING ACTIVITIES SHALL BE MANAGED BY APPROPRIATE CONTROL MEASURES.

DISPOSAL OF HAZARDOUS MATERIALS:

1. CONSULT LOCAL WASTE MANAGEMENT AUTHORITIES ABOUT THE REQUIREMENTS FOR DISPOSING OF HAZARDOUS MATERIALS.
2. TO PREVENT LEAKS, EMPTY AND CLEAN ANY HAZARDOUS WASTE CONTAINERS BEFORE THEY ARE DISPOSED OF.
3. THE ORIGINAL PRODUCT LABEL SHOULD NEVER BE REMOVED FROM THE CONTAINER, AS IT CONTAINS IMPORTANT SAFETY INFORMATION. FOLLOW THE MANUFACTURER'S RECOMMENDED METHOD OF DISPOSAL, WHICH SHOULD BE PRINTED ON THE LABEL.
4. IF EXCESS PRODUCTS NEED TO BE DISPOSED OF, THEY SHOULD NEVER BE MIXED DURING DISPOSAL UNLESS SPECIFICALLY RECOMMENDED BY THE MANUFACTURER.

USE OF PETROLEUM PRODUCTS:

1. STORE PETROLEUM PRODUCTS AND FUEL FOR VEHICLES IN COVERED AREAS WITH DIKES IN PLACE TO CONTAIN ANY SPILLS.
2. IMMEDIATELY CONTAIN AND CLEAN UP ANY SPILLS WITH ABSORBENT MATERIAL.
3. HAVE EQUIPMENT AVAILABLE IN FUEL STORAGE AREAS AND IN VEHICLES TO CONTAIN AND CLEAN UP ANY SPILLS THAT OCCUR.

USE OF PESTICIDES:

1. FOLLOW ALL FEDERAL, STATE, AND LOCAL REGULATIONS THAT APPLY TO THE USE, HANDLING, OR DISPOSAL OF PESTICIDES.
2. DO NOT HANDLE THE MATERIALS ANY MORE THAN NECESSARY.
3. STORE PESTICIDES IN A DRY, COVERED AREA.
4. CONSTRUCT CURBS OR DIKES TO CONTAIN PESTICIDES IN CASE OF SPILLAGE.
5. FOLLOW THE RECOMMENDED APPLICATION RATES AND METHODS.
6. HAVE EQUIPMENT AND ABSORBENT MATERIALS AVAILABLE IN AREAS WHERE PESTICIDES ARE STORED AND USED IN ORDER TO CONTAIN AND CLEAN UP ANY SPILLS THAT OCCUR.

USE OF FERTILIZERS:

1. APPLY FERTILIZERS AT THE MINIMUM RATE AND TO THE MINIMUM AREA NEEDED.
2. WORK THE FERTILIZER DEEPLY INTO THE SOIL TO REDUCE EXPOSURE OF NUTRIENTS TO STORMWATER RUNOFF.
3. APPLY FERTILIZER AT LOWER APPLICATION RATES WITH A HIGHER APPLICATION FREQUENCY.
4. ENSURE THAT EROSION AND SEDIMENT CONTROLS ARE IN PLACE TO PREVENT FERTILIZERS AND SEDIMENTS FROM BEING TRANSPORTED OFF-SITE.

USE OF DETERGENTS:

1. THE USE OF DETERGENTS IS NOT ALLOWED ON THE CONSTRUCTION SITE.
2. EQUIPMENT AND VEHICLE WASHING SHALL ONLY OCCUR WITH CLEANWATER. THE DISCHARGE SHALL NOT VIOLATE WATER QUALITY STANDARDS.

CONSTRUCTION SPILL PREVENTION AND CONTROL PLAN

MATERIAL HANDLING PROCEDURES AND STORAGE REQUIREMENTS:

1. RECYCLE, RECLAIM, OR REUSE PROCESS MATERIALS, THEREBY REDUCING THE AMOUNT OF PROCESS MATERIALS THAT ARE BROUGHT ON SITE.
2. INSTALL LEAK DETECTION DEVICES, OVERFLOW CONTROLS, AND DIVERSION BERMS WHEN APPROPRIATE.
3. DISCONNECT ANY DRAINS FROM AREAS THAT LEAD TO THE DRAINAGE OR STORMWATER SYSTEM.
4. PERFORM PREVENTATIVE MAINTENANCE ON TANKS, VALVES, PUMPS, PIPES AND OTHER EQUIPMENT. EQUIPMENT THAT HAS LEAKS SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
5. USE PROPER MATERIAL TRANSFER PROCEDURES OR FILLING PROCEDURES FOR TANKS AND OTHER EQUIPMENT.
6. SUBSTITUTE LESS OR NON-TOXIC MATERIALS FOR TOXIC MATERIALS.

SPILL RESPONSE:

1. PREVENT THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES.
2. IN THE EVENT OF A SPILL, FOLLOW CONTAINMENT PROCEDURES OUTLINED IN THE "CONSTRUCTION WASTE MANAGEMENT PLAN."
3. FOR HAZARDOUS MATERIALS, FOLLOW CLEANUP INSTRUCTIONS ON PACKAGE. USE AN ABSORBENT MATERIAL SUCH AS SAWDUST OR KITTY LITTER TO CONTAIN THE SPILL.
4. IN THE EVENT OF A SPILL, NOTIFY PROJECT SUPERINTENDENT, ENGINEER, AND LOCAL HIGHWAY DEPARTMENT STAFF. IN THE EVENT OF A HAZARDOUS MATERIAL SPILL ALSO NOTIFY THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, THE NYS POLICE, AND THE LOCAL FIRE DEPARTMENT.

MULCH STABILIZATION NOTES

1. MULCH STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS OF FIRST DISTURBANCE AND IMMEDIATELY AFTER COMPLETION OF ROUGH GRADING ACTIVITIES.
2. APPLY MULCHING MATERIAL. MULCH SHALL BE OAT OR WHEAT STRAW, FREE FROM WEEDS OR FOREIGN MATTER DETRIMENTAL TO PLANT LIFE, AND DRY.
3. IN MID-SUMMER, LATE FALL, OR WINTER: APPLY 100 LB PER 1000 SF, PLUS TACKIFIER. IN SPRING OR EARLY FALL: APPLY 45 LB PER 1000 SF, PLUS TACKIFIER.
4. INSTALL JUTE MATTING WITH OPEN WEAVE FOR SLOPES GREATER THAN 1:6, BUT LESS THAN 1:4. FOR SLOPES GREATER THAN 1:4 INSTALL CURLEX 1 CL BY AEC OR APPROVED EQUAL, UNO.

FINAL SEEDING NOTES

1. PREPARE SUBSOIL TO ELIMINATE UNEVEN AREAS AND LOW SPOTS. MAINTAIN LINES, LEVELS, PROFILES AND CONTOURS. MAKE CHANGES IN GRADE GRADUAL. BLEND SLOPES INTO LEVEL AREAS.
2. REMOVE FOREIGN MATERIALS, WEEDS, AND UNDESIRABLE PLANTS AND THEIR ROOTS.
3. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 4" OVER AREA TO BE SEEDED.
4. TYPICAL SEED MIXES FOR LAWN AREAS IS 15-40% KENTUCKY BLUEGRASS, 30-50% FINE FESCUE, 15-40% PERENNIAL RYEGRASS, 5-15% ANNUAL RYEGRASS AND 0-5% WHITE CLOVER. SEED MIXES FOR GENERAL RESTORATION IS 50-10% FINE FESCUE, 15-40% PERENNIAL RYEGRASS, 5-15% ANNUAL RYEGRASS AND 5-10% WHITE CLOVER. APPLY AT A RATE OF 350 LB/AC. PLACE SEED EVENLY IN TWO INTERSECTING DIRECTIONS AND RAKE LIGHTLY. ALTERNATE SEED MIXES MAY BE APPROPRIATE FOR SPECIFIC LOCATIONS AND SEASONS. CONFIRM WITH ENGINEER PRIOR TO SEEDING.
5. AFTER 1 OCTOBER INCLUDE AN ADDITIONAL 125 #/AC OF WINTER RYE TO ABOVE SEED MIXES.
6. APPLY MULCHING MATERIAL TO SEED AREA. MULCH SHALL BE OAT OR WHEAT STRAW, FREE FROM WEEDS OR FOREIGN MATTER DETRIMENTAL TO PLANT LIFE, AND DRY. REFER TO MULCH STABILIZATION NOTES FOR APPLICATION REQUIREMENTS.
7. FOR SLOPES GREATER THAN 1:6 INSTALL THE FOLLOWING ANCHORED STABILIZATION MAT:
7.1 - 1:6 TO 1:3 AEC PREMIER STRAW MAT BY AEC
7.2 - 1:3 TO 1:2 CURLEX 1 BY AEC
7.3 - 1:2 TO 1:1.5 CURLEX 11 BY AEC
7.4 - 1:1.5 TO 1:1 CURLEX 111 BY AEC
8. REAPPLY SEED UNTIL GRASS IS COMPLETELY ESTABLISHED.
9. WHEN HYDROSEEDING SLOPES OVER 3:1, USE HYDROSEEDER TO APPLY SEED, FERTILIZER, WOOD FIBER MULCH (45 LB PER 1000 SF), AND MULCH TACKIFIER.
10. FINAL SEEDING OPERATIONS TO COMMENCE WITHIN SEVEN DAYS OF FINAL CONSTRUCTION IN EACH AREA, AND BE COMPLETE WITHIN 14 DAYS.

STABILIZATION MAINTENANCE NOTES

1. FERTILIZE IN EARLY WINTER WITH NITROGEN AT 40 LB/AC.
2. FERTILIZE IN EARLY SPRING WITH 10-10-10 AT 150 LB/AC.
3. KEEP MOWED HEIGHT TO 3" - 4".

WINTER EROSION AND SEDIMENT CONTROL NOTES

1. ENLARGE AND STABILIZE ACCESS POINTS.
2. 25 FOOT BUFFER FROM PERIMETER CONTROLS.
3. 2 ROWS OF SILT FENCE WHERE DISTURBED AREA IS WITHIN 100 FEET OF WATERBODIES.
4. KEEP DRAINAGE STRUCTURES OPEN AND FREE FROM SNOW.
5. SEDIMENT BARRIERS AROUND STOCKPILES AND SENSITIVE AREAS.
6. PROTECT ALL STOCKPILES AND SLOPES GREATER THAN 3:1 WITH ROLLED EROSION CONTROL BLANKETS.
7. MULCH ALL OTHER EXPOSED SOIL AT 4 TONS/ACRE (STRAW)
8. DO NOT LEAVE AREAS UNPROTECTED MORE THAN 3 DAYS.
9. A SEDIMENT BARRIER MUST BE INSTALLED AT LEAST 15 FEET AWAY FROM STOCKPILES AND SLOPES TO PREVENT SOIL TRANSPORT.

WINTER STABILIZATION NOTES

1. WINTER STABILIZATION SHALL BE REQUIRED FOR ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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 MELTWATER, SHALL BE REMOVED.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.

TEMPORARY WINTER SHUTDOWN NOTES

1. TEMPORARY WINTER SHUTDOWN IS REQUIRED FOR SITES NOT ACHIEVING FINAL STABILIZATION PRIOR TO THE WINTER SEASON (NOVEMBER 15TH) BUT WILL NOT HAVE EARTH DISTURBING ACTIVITIES ONGOING DURING THE "WINTER SEASON".
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ESC DURING WINTER SHUTDOWN. THE SITE SHALL BE INSPECTED FREQUENTLY TO ENSURE THAT THE EROSION AND SEDIMENT CONTROL PLAN IS PERFORMING ITS WINTER STABILIZATION FUNCTION.
3. ALL BARE EXPOSED SOIL MUST BE STABILIZED BY ESTABLISHED VEGETATION, STRAW OR OTHER ACCEPTABLE MULCH, MATTING, ROCK, OR OTHER APPROVED MATERIAL SUCH AS ROLLED EROSION CONTROL PRODUCTS.
4. SEEDING OF AREAS WITH MULCH COVER IS PREFERRED BUT SEEDING ALONE IS NOT ACCEPTABLE FOR PROPER STABILIZATION.
5. COMPLIANCE INSPECTIONS MUST BE PERFORMED AND REPORTS FILED PROPERLY IN ACCORDANCE WITH THE SWPPP FOR ALL SITES UNDER A WINTER SHUTDOWN.



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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	

DRAWN BY:RRG

CHECKED BY: JAG

PROJECT #:23-057

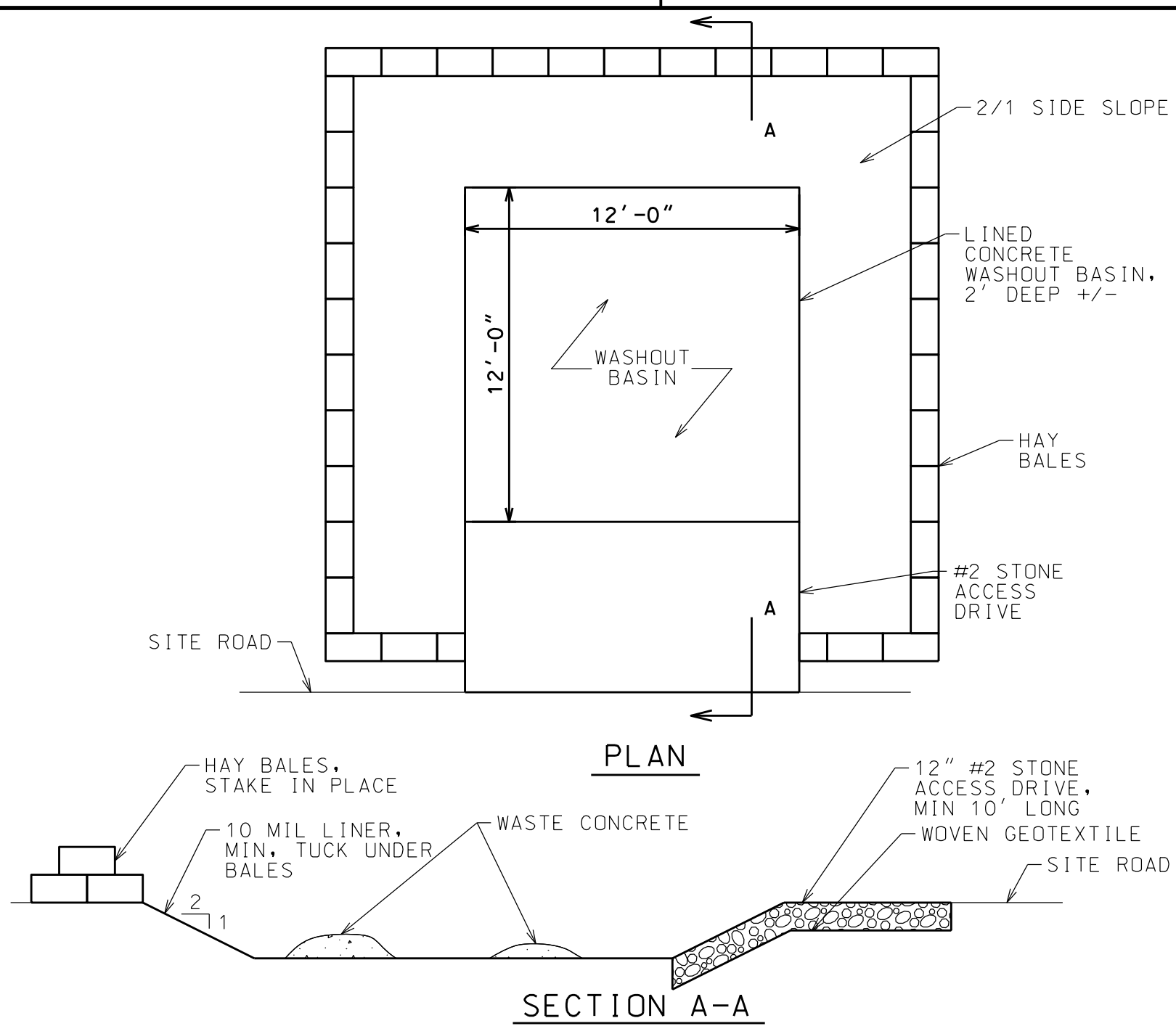
ORIGINAL 24"x36"

TITLE

EROSION &
SEDIMENT
CONTROL NOTES

SHEET

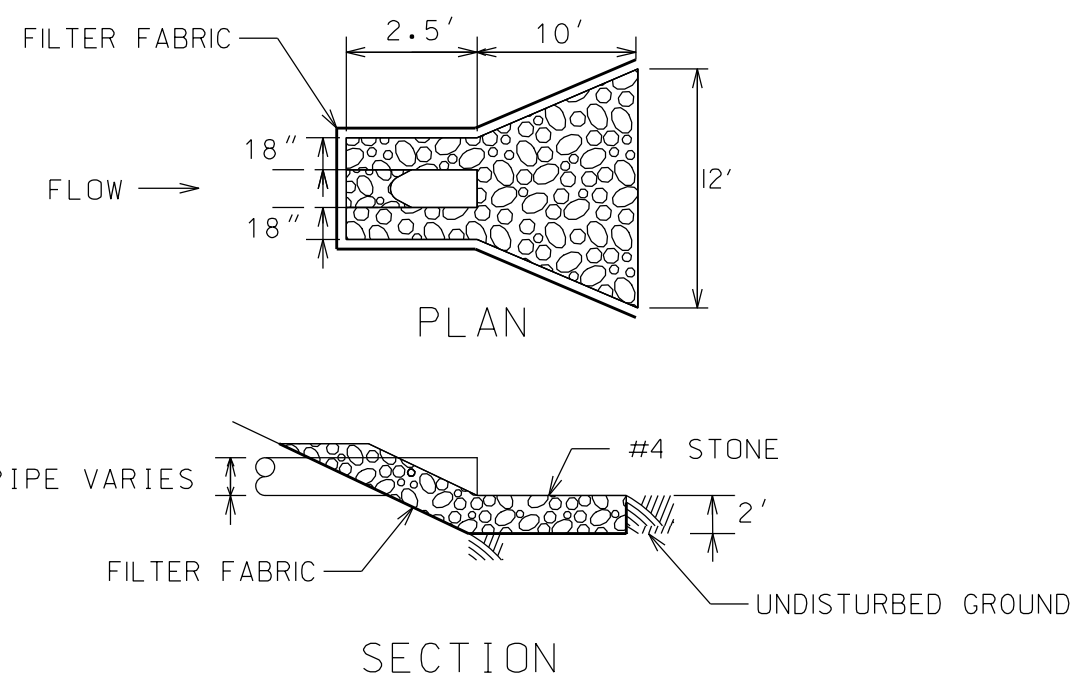
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- NOTES:
- 1) LOCATE MIN 100' FROM WETLANDS, STREAMS, STORM DRAINS, SWALES, ETC.
 - 2) GRADE SURROUNDING AREA TO PREVENT SURFACE WATER FROM ENTERING.
 - 3) DAMAGED OR LEAKING FACILITY SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
 - 4)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

CONCRETE WASHOUT BASIN

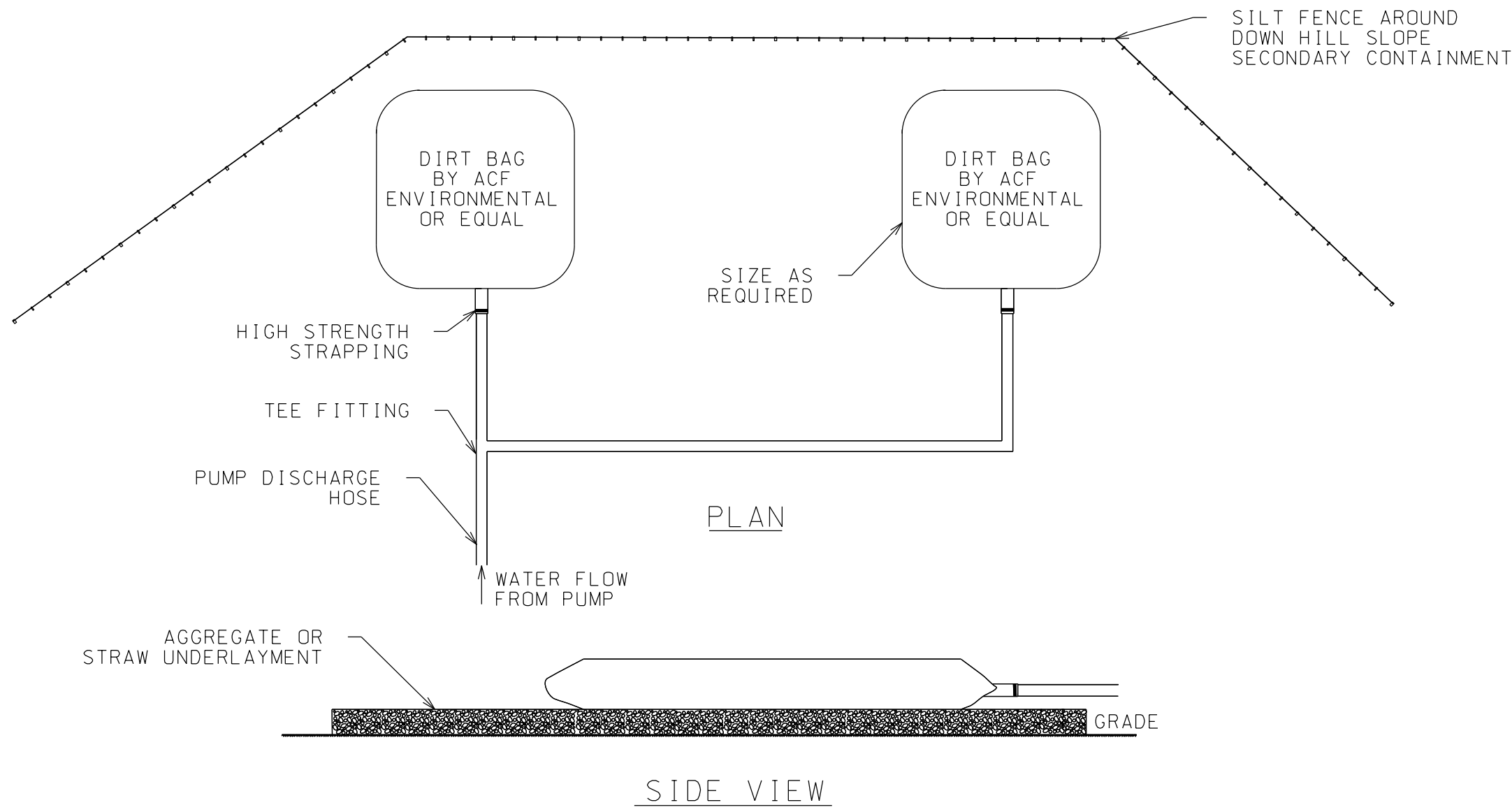
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- NOTES:
1. INSTALL FILTER FABRIC UNDER ALL STONE FILL, MIN 6" BEYOND ALL SIDES OF STONE.
 2. ROTATE STONE FILL AS REQ'D TO ACHIEVE FLOW INTO STRUCTURE.
 3. DETAIL ASSUMES MAX 18" DIAM PIPE, DISCHARGE TO UNCONFINED AREA, AND DISCHARGE NOT TO EXCEED 10 CFS.

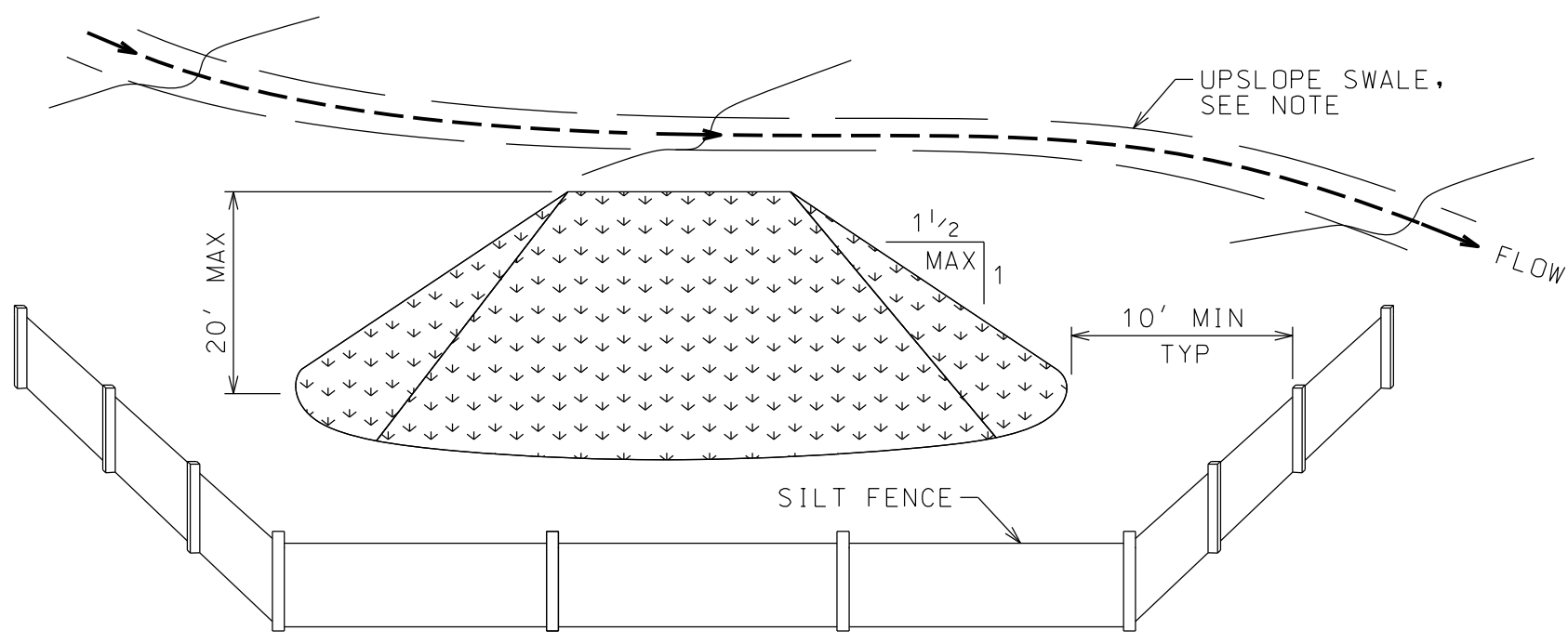
OUTFALL STRUCTURE

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PUMPED SEDIMENT REMOVAL SYSTEM

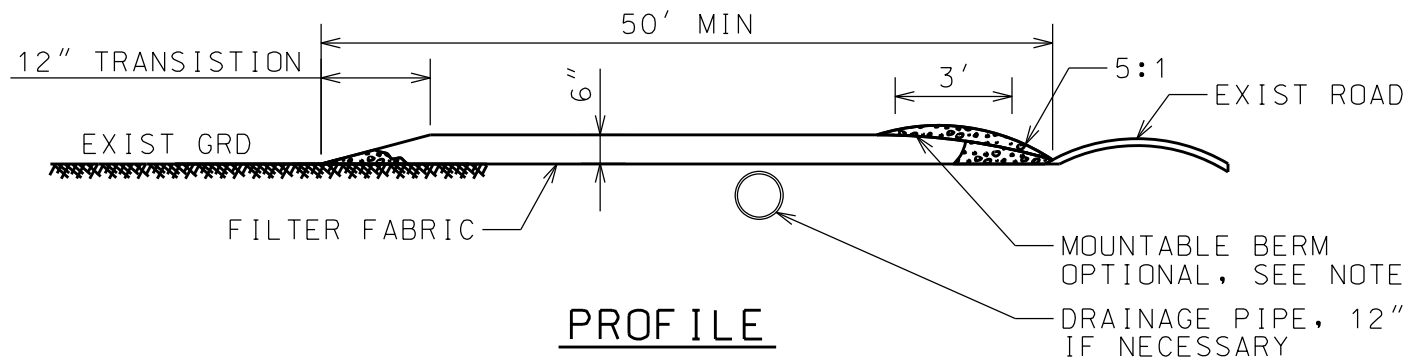
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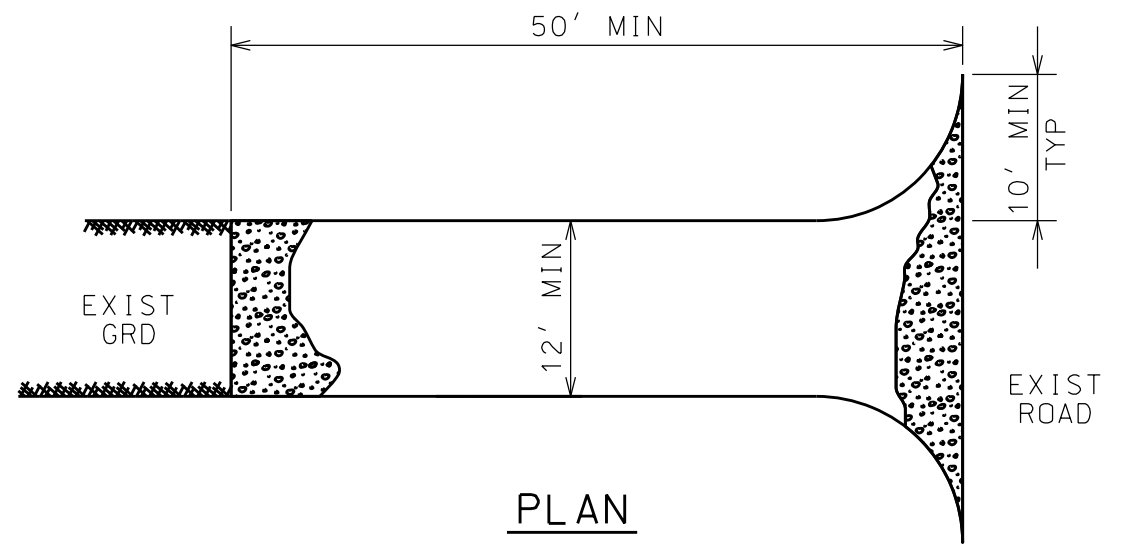
- NOTES:
1. AREA CHOSEN FOR STOCK PILING OPERATIONS SHALL BE DRY AND STABLE.
 2. STOCKPILE SLOPES SHALL NOT EXCEED 1:1 1/2
 3. MAXIMUM STOCKPILE HEIGHT SHALL NOT EXCEED 20 FEET.
 4. STOCKPILES SHALL BE STABILIZED. STOCKPILE SURFACES CAN BE STABILIZED BY VEGETATION, GEOTEXTILE, OR PLASTIC COVERS.
 5. SILT FENCE SHALL BE INSTALLED DOWNHILL OF EACH STOCKPILE, WITH RETURNS TO PREVENT SEDIMENT LOSS.
 6. A PERIMETER SWALE SHALL BE LOCATED UPSLOPE OF THE STOCKPILE IF DEEMED NECESSARY BY THE QUALIFIED INSPECTOR.
 7. EARTH STOCKPILES WHICH WILL REMIAN LONGER THAN 2 WEEKS SHALL HAVE THIS DETAIL APPLIED.

TEMPORARY STOCKPILE

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PROFILE

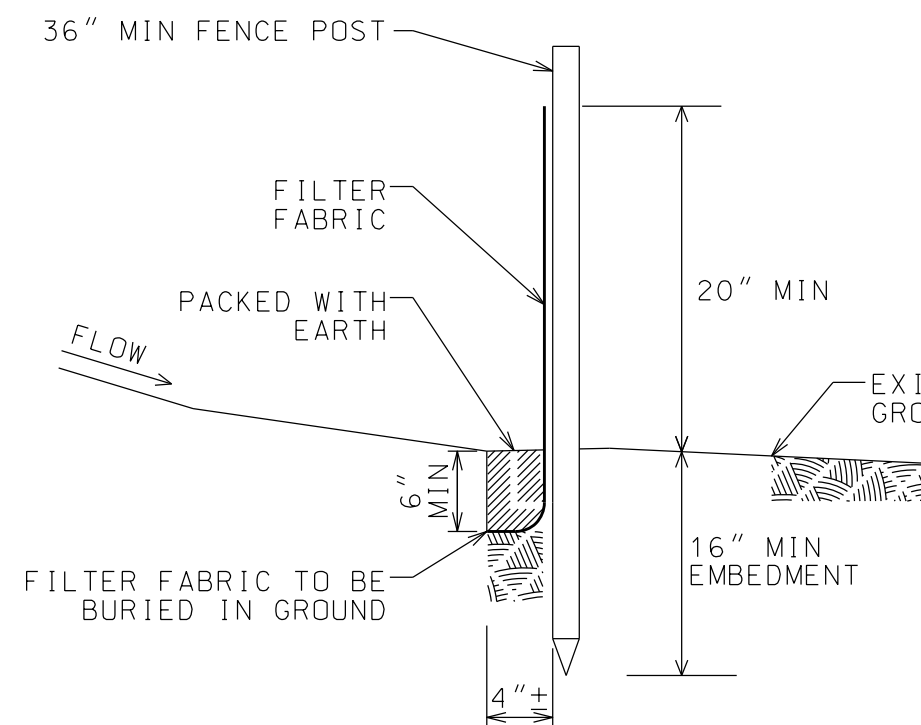


PLAN

- NOTES:
1. PREPARATION - THE CONTRACTOR SHALL GRADE TO PREPARE AND SMOOTH ORIGINAL GRADE FOR PLACEMENT OF STONE UP TO THE EDGE OF PAVEMENT.
 2. STONE SIZE - USE 1" - 4" STONE, NYSOT #3 STONE.
 3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT 30 FEET MINIMUM ON A SINGLE RESIDENCE LOT).
 4. THICKNESS - NOT LESS THAN SIX INCHES.
 5. WIDTH - TWELVE FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR FOOT IF SINGLE ENTRANCE TO SITE, WHERE APPLICABLE.
 6. GEOTEXTILE - TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. PROPOSED DRAINAGE PIPES SHALL BE SIZED WITH SUFFICIENT CAPACITY TO CARRY DITCH FLOWS (12" MIN). IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 8. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 9. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 10. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

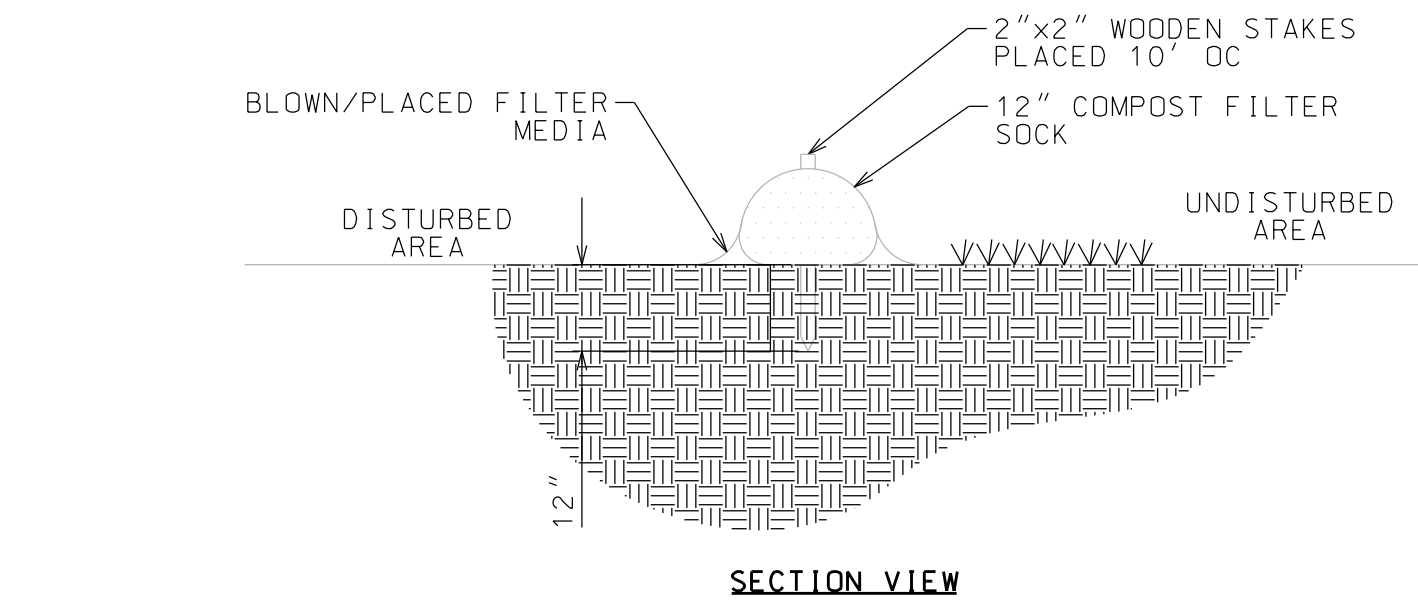
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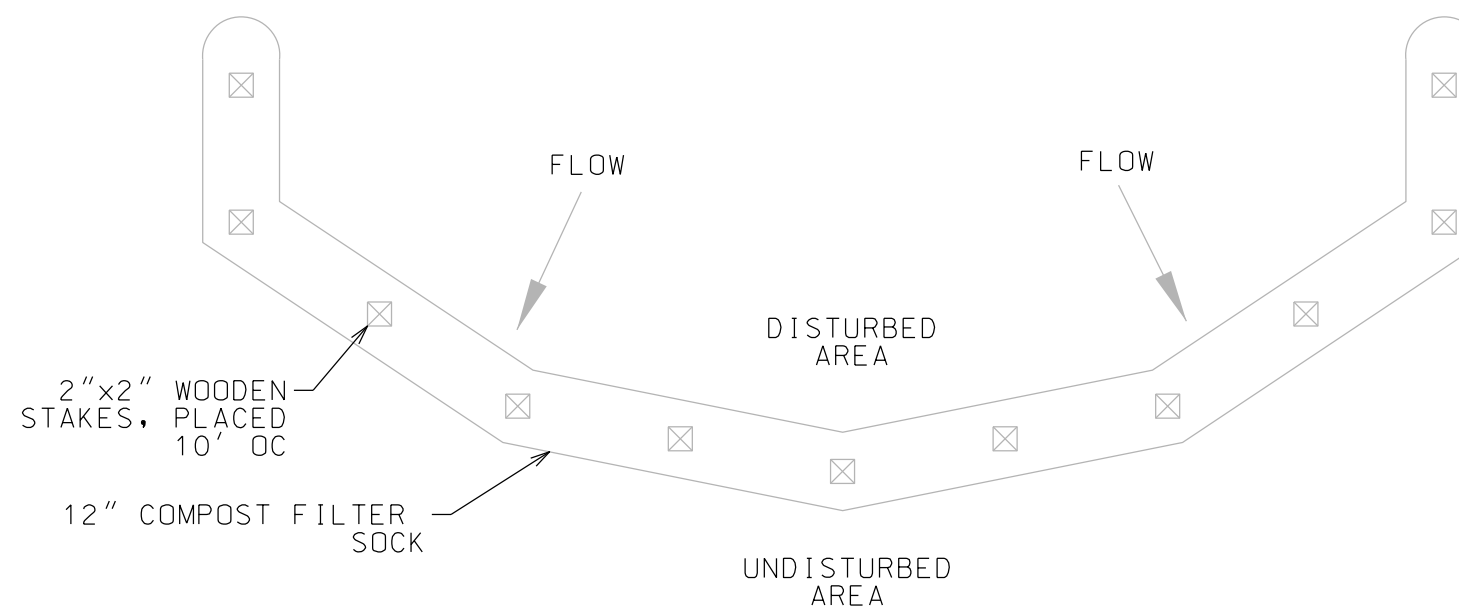
- NOTES:
1. FILTER FABRIC TO BE FASTENED SECURELY TO POSTS.
 2. FLARE ENDS UPSLOPE.
 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED TO THE NEXT POST AND SECURELY FASTENED TO SUPPORT POSTS, OR OVERLAPPED BY 6" AND FOLDED.
 4. INSPECT AFTER EACH NEW RUNOFF EVENT AND DAILY DURING PROLONGED RAIN FALL. CHECK FOR BREAKS, BULGES, OVERTOPPING, AND UNDERMINING. REPAIR IMMEDIATELY AS NEEDED.
 5. POSTS SHALL BE STEEL EITHER T OR U TYPE OR 2" HARDWOOD, SPACED NOT MORE THAN 6' OC.
 6. WHEN PROPERLY COMPLETED, SILT FENCES ARE AN ACCEPTABLE BEST MANAGEMENT PRACTICE (BMP), PER US EPA PHASE II.

SILT FENCE DETAIL

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SECTION VIEW



PLAN VIEW

- NOTES:
1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2 OF NYS STANDARDS AD SPECIFICATIONS FOR ERISION AND SEDIMENT CONTROL.
 2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
 3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 7. UPON STABILIZATION OF THE AREA CONTRIBUTORY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK

NTS

North Woods Engineering PLLC

348 Lake Street
Saranac Lake, NY 12983
(518) 891-4875
www.north-woods-engineering.com

New York State Certified
Service-Related Veteran-Owned Business



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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
9/19/25	PERMITTING	
11/7/25	APA CHANGES	A

DRAWN BY:RRG

CHECKED BY: JAG

PROJECT #23-057

ORIGINAL 24"x36"

TITLE

EROSION
& SEDIMENT
CONTROL
DETAILS

SHEET

C301

SOIL INFORMATION

SEE SITE PLAN FOR LOCATION OF DEEP HOLE AND PERCOLATION TESTS.

DEEP HOLE (DH1)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

0"-20" VERY DARK BROWN SILT LOAM, 10YR/2/2
20"-32" DARK YELLOWISH BROWN SANDY LOAM, 10YR/4/4
32"-BOT YELLOWISH BROWN SAND, 10YR/5/6

DEPTH OF HOLE = 72"
DEPTH TO ROOTS = 32"
DEPTH OF SHGW = 44" MOTTLING

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

PERCOLATION TEST (PT1-1)

TEST DEPTH = 20"

RUN	TIME
1	1 MIN 57 SEC
2	2 MIN 44 SEC
3	2 MIN 50 SEC
4	3 MIN 02 SEC

PERCOLATION TEST (PT1-2)

TEST DEPTH = 20"

RUN	TIME
1	2 MIN 02 SEC
2	3 MIN 15 SEC
3	3 MIN 22 SEC
4	3 MIN 26 SEC

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

DEEP HOLE (DH2)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/20/24.

0"-10" DARK BROWN SILT LOAM, 7.5YR/3/4
10"-24" DARK YELLOWISH BROWN COARSE SAND, 10YR/4/4
24"-30" LIGHT YELLOWISH BROWN SAND, 10YR/6/4
30"-BOT DARK YELLOWISH BROWN FINE SAND, 10YR/4/4

DEPTH OF HOLE = 72"
DEPTH TO ROOTS = 24"
DEPTH OF SHGW = 24" MOTTLING
WATER SEEPS AT 26"

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R. GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/20/24.

PERCOLATION TEST (PT2-1)

TEST DEPTH = 6"

RUN	TIME
1	3 MIN 40 SEC
2	4 MIN 47 SEC
3	4 MIN 52 SEC
4	5 MIN 03 SEC

PERCOLATION TEST (PT2-2)

TEST DEPTH = 6"

RUN	TIME
1	1 MIN 33 SEC
2	2 MIN 38 SEC
3	2 MIN 43 SEC
4	2 MIN 48 SEC

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

DEEP HOLE (DH3)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/20/24.

0"-18" VERY DARK GRAYISH BROWN SILT LOAM, 10YR/3/2
18"-26" DARK GRAYISH BROWN SANDY LOAM, 10YR/4/2
26"-34" YELLOWISH BROWN SAND, 10YR/5/4
34"-BOT LIGHT YELLOWISH BROWN COARSE SAND, 10YR/6/4

DEPTH OF HOLE = 72"
DEPTH TO ROOTS = 28"
DEPTH OF SHGW = 26" SEEPAGE

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

PERCOLATION TEST (PT3-1)

TEST DEPTH = 6"

RUN	TIME
1	3 MIN 17 SEC
2	4 MIN 58 SEC
3	6 MIN 35 SEC
4	6 MIN 29 SEC
5	6 MIN 32 SEC
6	

PERCOLATION TEST (PT3-2)

TEST DEPTH = 6"

RUN	TIME
1	3 MIN 02 SEC
2	3 MIN 32 SEC
3	5 MIN 05 SEC
4	5 MIN 12 SEC
5	5 MIN 15 SEC

DESIGN PERC RATE 6-7 MIN DESIGN PERC RATE 1-5 MIN

DEEP HOLE (DH4)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/20/24.

0"-15" DARK BROWN SILT LOAM, 10YR/3/3
15"-26" YELLOWISH BROWN SAND, 10YR/5/6
26"-55" BROWN FINE SAND, 10YR/5/3
55"-BOT YELLOWISH BROWN GRAVEL SAND, 10YR/5/4

DEPTH OF HOLE = 72"
DEPTH TO ROOTS = 26"
DEPTH OF SHGW = 40" SEEPAGE

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

PERCOLATION TEST (PT4-1)

TEST DEPTH = 16"

RUN	TIME
1	5 MIN 26 SEC
2	8 MIN 56 SEC
3	9 MIN 03 SEC
4	9 MIN 07 SEC

PERCOLATION TEST (PT4-2)

TEST DEPTH = 16"

RUN	TIME
1	5 MIN 47 SEC
2	8 MIN 16 SEC
3	8 MIN 28 SEC
4	8 MIN 31 SEC

DESIGN PERC RATE 8-10 MIN DESIGN PERC RATE 8-10 MIN

DEEP HOLE (DH5)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/20/24.

0"-8" YELLOWISH BROWN SILT, 10YR/5/6
8"-46" YELLOWISH BROWN SANDY SILT, 10YR/5/8
46"-56" LIGHT BROWNISH GRAY HARD SAND, 10YR/6/2
56"-BOT YELLOWISH BROWN SANDY CLAY LOAM, 10YR/5/8

DEPTH OF HOLE = 74"
DEPTH TO ROOTS = 38"
DEPTH OF SHGW = 60" GRAYING OF SOIL

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

PERCOLATION TEST (PT5-1)

TEST DEPTH = 24"

RUN	TIME
1	0 MIN 33 SEC
2	0 MIN 58 SEC
3	1 MIN 14 SEC
4	1 MIN 19 SEC
5	1 MIN 52 SEC
6	2 MIN 04 SEC
7	1 MIN 58 SEC

PERCOLATION TEST (PT5-2)

TEST DEPTH = 24"

RUN	TIME
1	0 MIN 26 SEC
2	1 MIN 03 SEC
3	1 MIN 07 SEC
4	1 MIN 10 SEC

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

DEEP HOLE (DH6)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/20/24.

0"-18" DARK BROWN SILT LOAM, 10YR/3/3
18"-32" VERY DARK BROWN CLAY LOAM, 10YR/2/2
32"-55" BROWN GRAVEL SAND, 10YR/4/3
55"-BOT DARK YELLOWISH BROWN COARSE SAND, 10YR/4/4

DEPTH OF HOLE = 76"
DEPTH TO ROOTS = 29"
DEPTH OF SHGW = 32" MOTTLING

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

PERCOLATION TEST (PT6-1)

TEST DEPTH = 8"

RUN	TIME
1	1 MIN 47 SEC
2	2 MIN 36 SEC
3	3 MIN 12 SEC
4	3 MIN 19 SEC
5	5 MIN 09 SEC
6	5 MIN 13 SEC
7	5 MIN 07 SEC

PERCOLATION TEST (PT6-2)

TEST DEPTH = 8"

RUN	TIME
1	5 MIN 03 SEC
2	8 MIN 02 SEC
3	8 MIN 12 SEC
4	8 MIN 15 SEC

DESIGN PERC RATE 1-5 MIN DESIGN PERC RATE 8-10 MIN

DEEP HOLE (DH7)

DEEP HOLE TEST COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

0"-16" DARK BROWN SILT LOAM, 10YR/3/3
16"-31" YELLOWISH BROWN LOAMY SAND, 10YR/5/8
31"-BOT PALE BROWN SAND, 10YR/6/3

DEPTH OF HOLE = 74"
DEPTH TO ROOTS = 42"
DEPTH OF SHGW = 68" STREAKS

PERCOLATION TESTS

PERCOLATION TESTS COMPLETED BY R GILLIS OF NORTH WOODS ENGINEERING, PLLC ON 11/21/24.

PERCOLATION TEST (PT7-1)

TEST DEPTH = 24"

RUN	TIME
1	1 MIN 11 SEC
2	1 MIN 46 SEC
3	1 MIN 49 SEC
4	1 MIN 53 SEC

PERCOLATION TEST (PT7-2)

TEST DEPTH = 24"

RUN	TIME
1	1 MIN 26 SEC
2	3 MIN 26 SEC
3	3 MIN 32 SEC
4	3 MIN 33 SEC

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

ABSORPTION FIELD INFORMATION

	LOT 1	LOT 2	LOT 3	LOT 4	LOT 5	LOT 6	LOT 7
DH & PERC USED	DH1	DH2	DH3	DH4	DH5	DH6	DH7
PERC RATE	1-5	1-5	6-7	8-10	1-5	8-10	1-5
MIN TOTAL TRENCH LENGTH - 3 BED	138'	138'	165'	184'	138'	184'	138'
EXAMPLE TRENCHES - 3 BED	3 LINES AT 46'	3 LINES AT 46'	3 LINES AT 55'	3 LINES AT 62'	3 LINES AT 46'	3 LINES AT 62'	3 LINES AT 46'
MIN TOTAL TRENCH LENGTH - 4 BED	184'	184'	220'	245'	184'	245'	184'
EXAMPLE TRENCHES - 4 BED	4 LINES AT 46'	4 LINES AT 46'	4 LINES AT 55'	4 LINES AT 62'	4 LINES AT 46'	4 LINES AT 62'	4 LINES AT 46'
MIN TOTAL TRENCH LENGTH - 5 BED	230'	230'	275'	306'	230'	306'	230'
EXAMPLE TRENCHES - 5 BED	5 LINES AT 46'	5 LINES AT 46'	5 LINES AT 55'	5 LINES AT 62'	5 LINES AT 46'	5 LINES AT 62'	5 LINES AT 46'
MIN TOTAL TRENCH LENGTH - 6 BED	275'	275'	330'	367'	275'	367'	275'
EXAMPLE TRENCHES - 6 BED	6 LINES AT 46'	6 LINES AT 46'	6 LINES AT 55'	6 LINES AT 62'	6 LINES AT 46'	6 LINES AT 62'	6 LINES AT 46'

NOTES:
1. SEE CHART THIS PAGE FOR DEEP HOLE (DH) INFORMATION.
ALL PERC TESTS WERE COMPLETED ADJACENT TO ASSOCIATED DEEP HOLES.
2. PERC RATES PROVIDED ARE STABILIZED RATES IN MINUTES PER INCH. SEE CHART THIS PAGE FOR COMPLETE PERC TEST INFORMATION.

MINIMUM SEPTIC TANK CAPACITIES

NUMBER OF BEDROOMS	WITHOUT GARBAGE GRINDER	WITH GARBAGE GRINDER
1 or 2	1000	1000
3	1000	1250
4	1250	1500
5	1500	1750
6	1750	2000

MINIMUM LIQUID SURFACE AREAS

SEPTIC TANK SIZE	LIQUID SURFACE AREA (SF)
1000	27
1250	34
1500	40
1750	47
2000	54



NOTE:
LOT 5 & 6 ABSORPTION AREAS ARE DESIGNED FROM DEEP HOLE TEST 5 (DH5) RESULTS DUE TO POOR SOILS FOUND AT DEEP HOLE 6 (DH6) LOCATION.
ABSORPTION AREAS FOR LOTS 5 & 6 ARE BOTH WITHIN 50' OF DH5.

North Woods Engineering PLLC

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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
9/19/25	PERMITTING	
11/7/25	APA CHANGES	A

DRAWN BY:RRG

CHECKED BY: JAG

PROJECT #:23-057

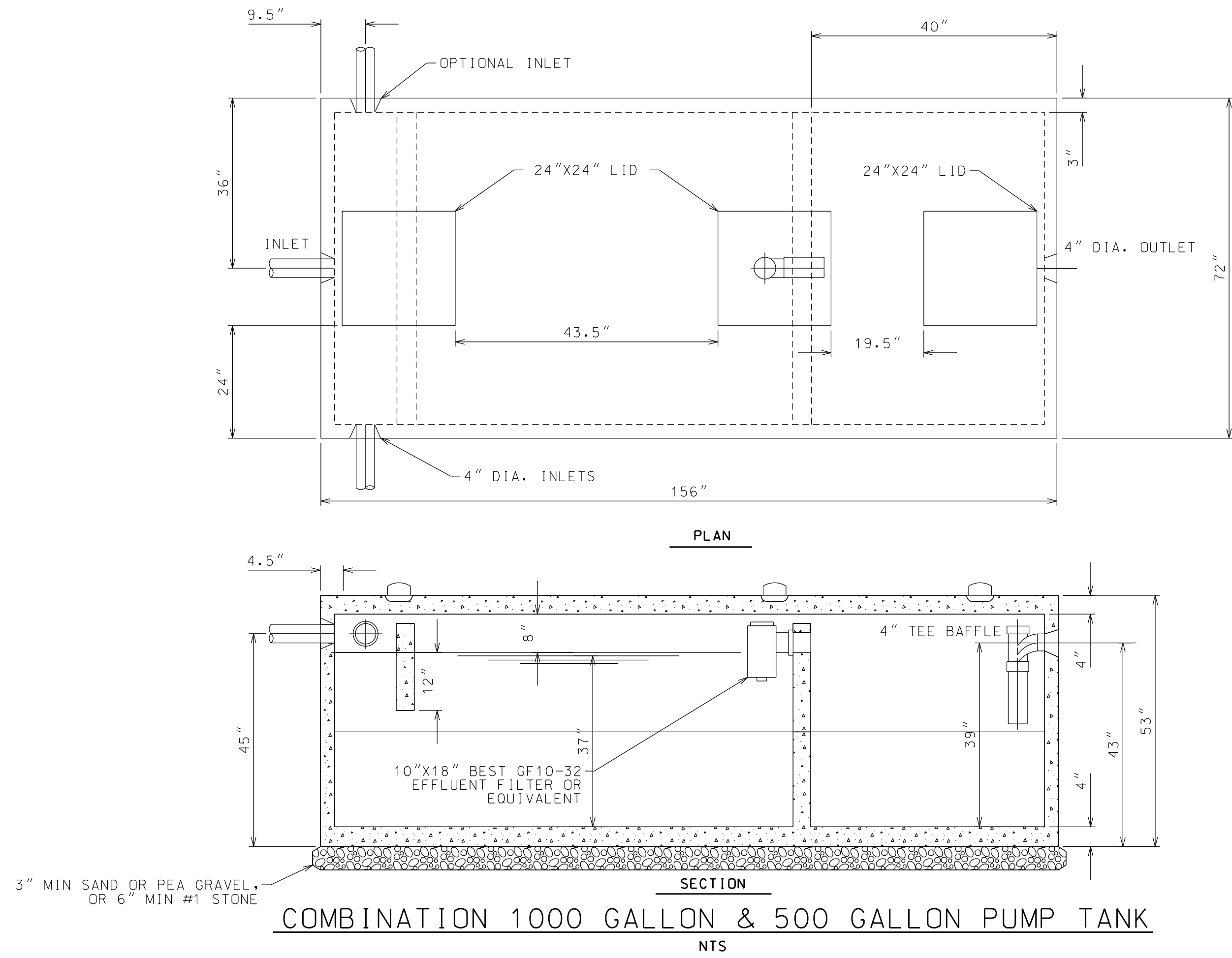
ORIGINAL 24"x36"

TITLE

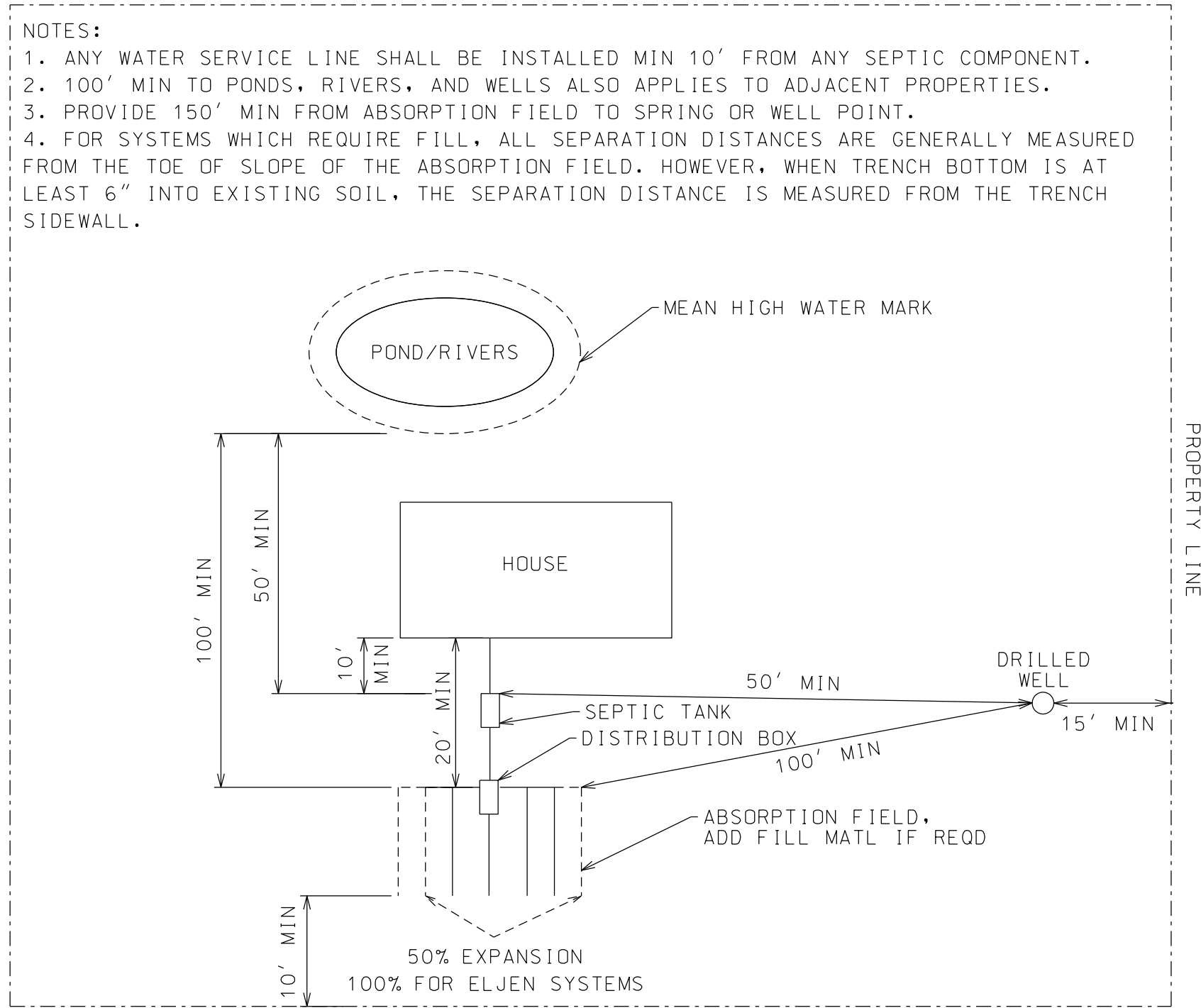
SOIL NOTES &
ABSORPTION
FIELD TABLE

SHEET

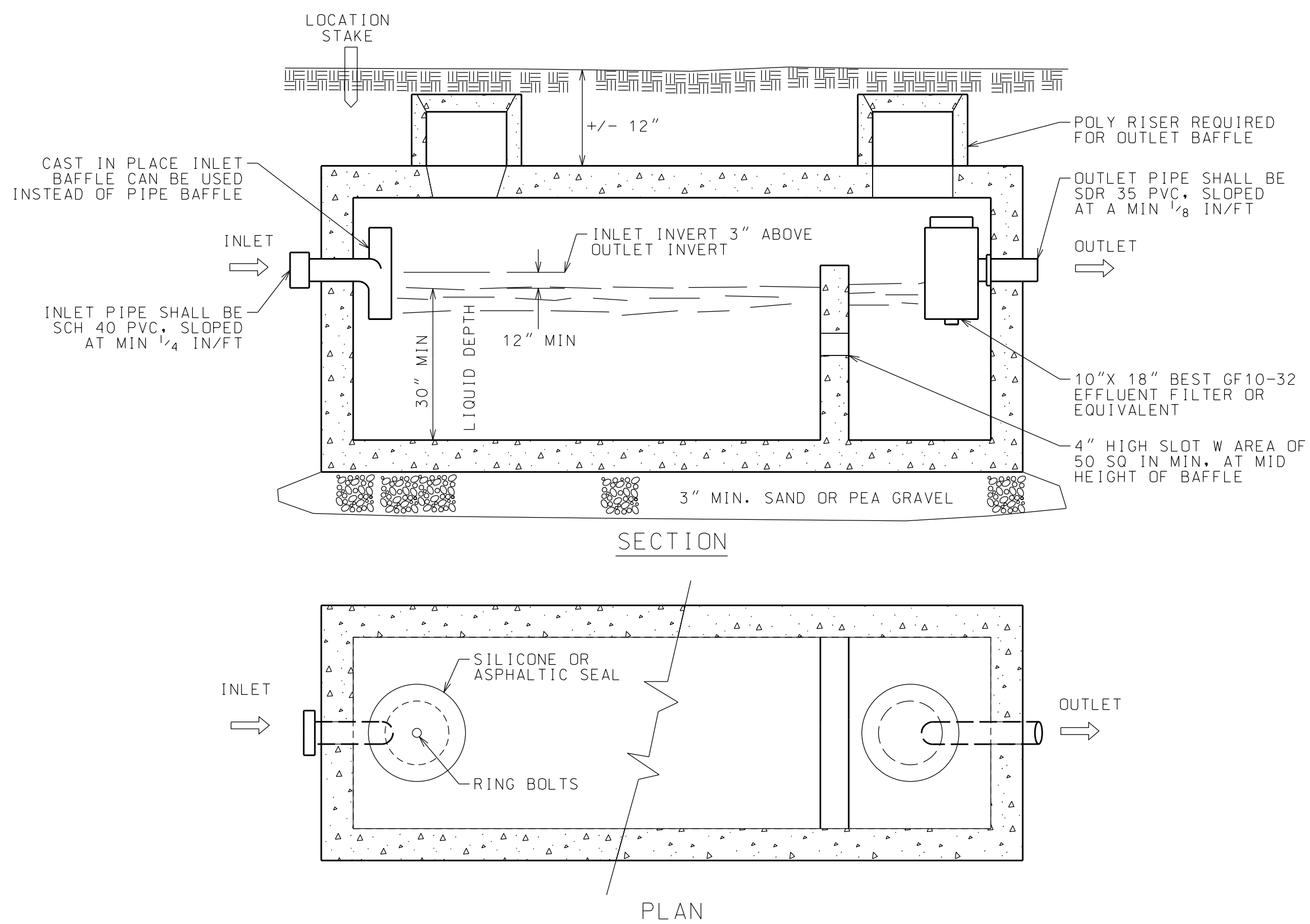
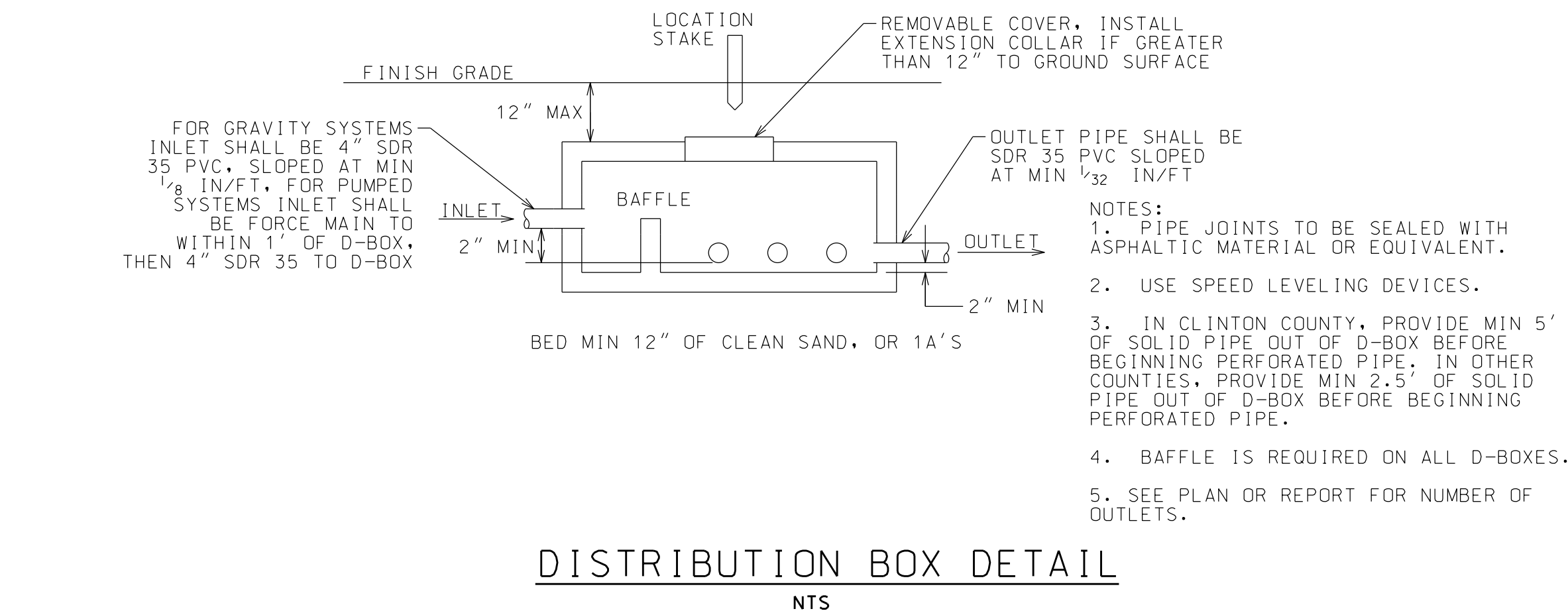
C302



- NOTES:
1. MIN OF 6" WALL THICKNESS FOR CAST-IN-PLACE CONCRETE.
 2. AT LEAST ONE ACCESS MANHOLE SHALL BE PROVIDED INTO EACH COMPARTMENT.
 3. 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.



TYPICAL ABSORPTION FIELD SEPARATION REQUIREMENTS
NTS



DUAL COMPARTMENT CONCRETE SEPTIC TANK
NTS



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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE
SEPTIC DETAILS & NOTES

SHEET

C303



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.

AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

DATE	ISSUED FOR	REV
7/25/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

SEPTIC DETAILS
& NOTES

SHEET

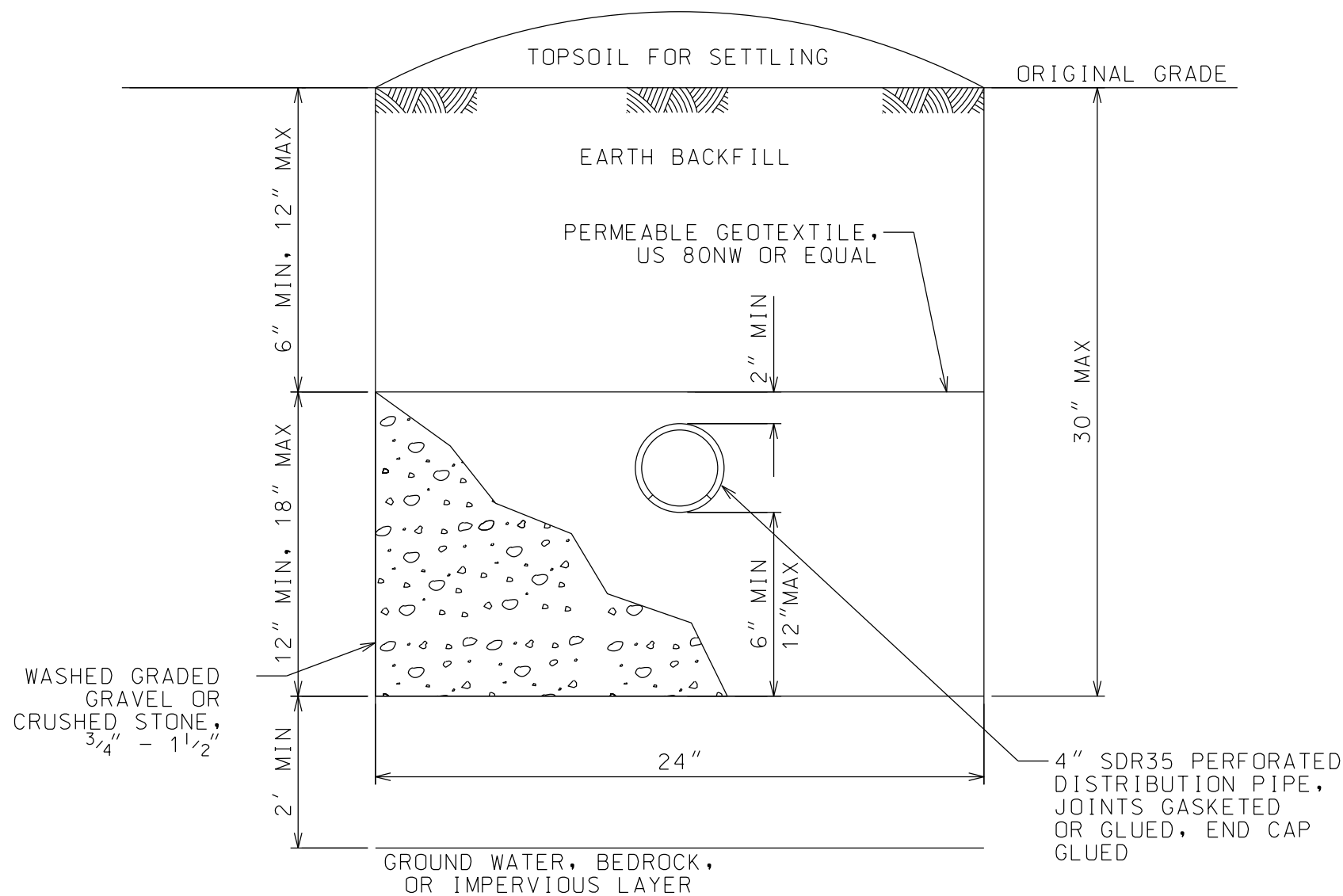
C304

SHALLOW SYSTEM ABSORPTION FIELD CONSTRUCTION NOTES

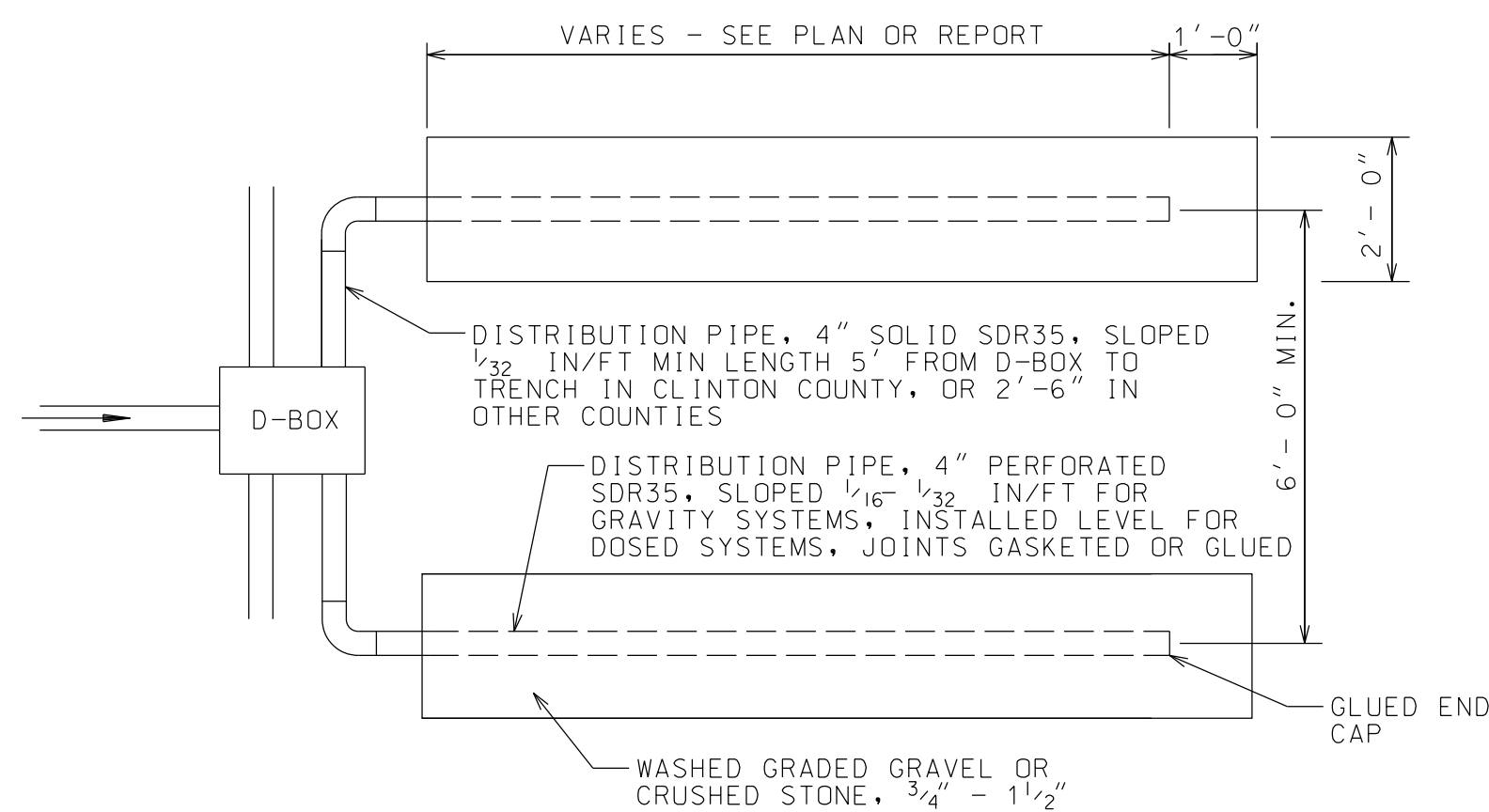
- CUT TREES AND STUMPS AT GRADE AND REMOVE. OTHER VEGETATION SHALL BE CUT AS CLOSE TO GRADE AS POSSIBLE AND REMOVED. ALL LEAVES, LIMBS AND BOULDERS ABOVE GRADE SHALL BE REMOVED.
- FILL MATERIAL SHALL BE CAREFULLY PLACED WITHIN THE ABSORPTION AREA. THE EDGE OF THE FILL MATERIAL SHALL BE TAPERED BEGINNING AT LEAST SIX FEET BEYOND THE TRENCH. TAPER TO ORIGINAL GRADE AT A SLOPE NO GREATER THAN ONE VERTICAL TO THREE HORIZONTAL.
- 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.
- 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.
- 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.
- TRENCHES SHALL BE INSTALLED PARALLEL TO GROUND CONTOURS AND AS SHALLOW AS POSSIBLE.
- SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED PRIOR TO PLACEMENT OF AGGREGATE.
- HEAVY EQUIPMENT USE IN THE AREA OF THE ABSORPTION FIELD SHALL BE KEPT TO A MINIMUM TO PREVENT COMPACTION.
- TRENCH BOTTOMS SHOULD BE GRADED BY HAND AND ARE TO BE CHECKED BY A TRANSIT OR TRIPOD MOUNTED LEVEL TO ENSURE LEVEL GRADE.
- DOSED DISTRIBUTION PIPE SHALL BE INSTALLED LEVEL AND ENDS SHALL BE CAPPED.
- 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.

ABSORPTION FIELD CONSTRUCTION NOTES

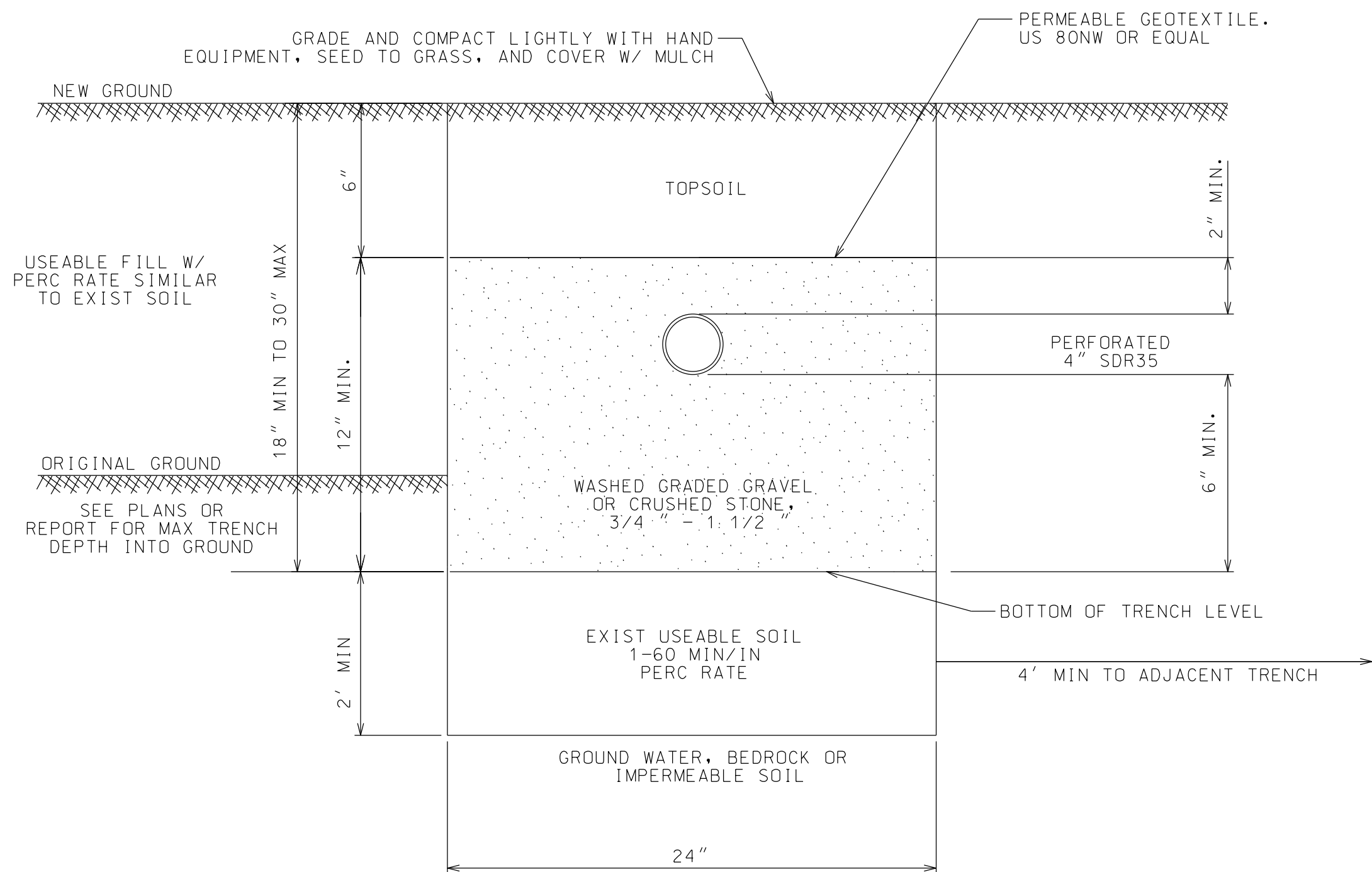
- CUT TREES AND STUMPS AT GRADE AND REMOVE. OTHER VEGETATION SHALL BE CUT AS CLOSE TO GRADE AS POSSIBLE AND REMOVED. ALL LEAVES, LIMBS, AND BOULDERS ABOVE GRADE SHALL BE REMOVED.
- DO NOT INSTALL TRENCHES IN WET SOIL AS IT CAN LEAD TO SMEARING AND COMPACTION OF THE SOIL SURFACE. DO NOT INSTALL TRENCHES WHEN THE GROUND IS FROZEN.
- TRENCHES SHALL BE INSTALLED PARALLEL TO GROUND CONTOURS AND AS SHALLOW AS POSSIBLE.
- SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED PRIOR TO PLACEMENT OF AGGREGATE.
- HEAVY EQUIPMENT USE IN THE AREA OF THE ABSORPTION FIELD SHALL BE KEPT TO A MINIMUM TO PREVENT COMPACTION.
- TRENCH BOTTOMS SHOULD BE GRADED BY HAND AND ARE TO BE CHECKED BY A TRANSIT OR LEVEL TO ENSURE LEVEL GRADE.
- DOSED DISTRIBUTION PIPE SHALL BE INSTALLED LEVEL AND ENDS SHALL BE CAPPED. BOTH DOSED AND GRAVITY END CAPS SHALL BE GLUED.
- THE BACKFILL IS TO BE SLIGHTLY MOUNDED AND NOT COMPACTED. THE ENTIRE AREA SHALL BE GRADED 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.



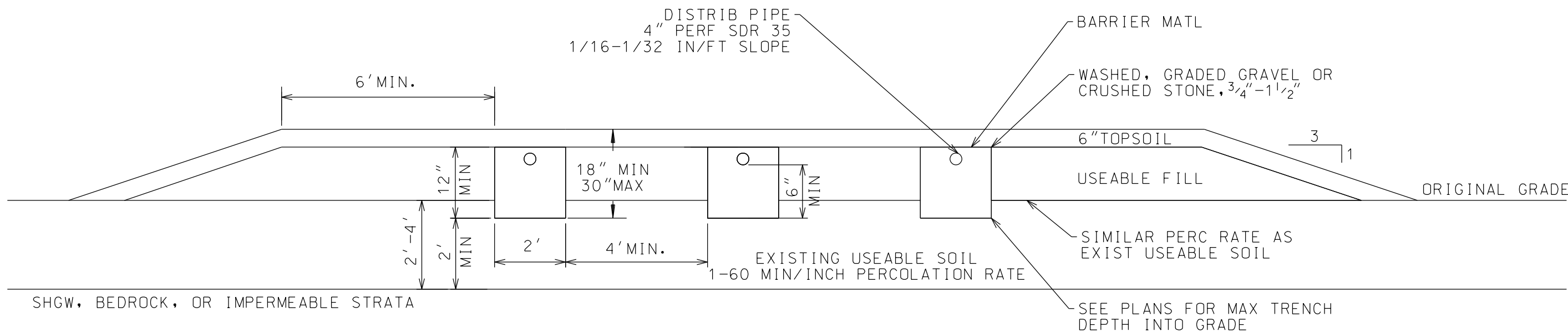
CONVENTIONAL ABSORPTION TRENCH DETAIL
NTS



TYPICAL ABSORPTION TRENCH
NTS



SHALLOW ABSORPTION TRENCH DETAIL
NTS



SHALLOW TRENCH DETAIL - GRAVITY SYSTEM
NTS

NOTE: NUMBER OF TRENCHES
MAY VARY. SEE PLAN.

INDIVIDUAL WATER SUPPLY NOTES

1. THE INDIVIDUAL DRILLED WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH 10NYCRR APPENDIX 5-B, TITLED "STANDARDS FOR WATER WELLS". WELLS SHALL BE INSTALLED BY A NYSDEC-REGISTERED WATER WELL DRILLER. THE DRILLER SHALL COMPLETE A NYSDEC - WELL COMPLETION REPORT. THE REPORT SHALL BE SUBMITTED TO THE NYSDEC, THE NYSDOH - SARANAC LAKE DISTRICT OFFICE, THE LOCAL CODE ENFORCEMENT OFFICER, AND THE HOMEOWNER WITHIN TEN-DAYS OF COMPLETING A WELL.

2. AFTER A NEW WELL HAS BEEN CONSTRUCTED OR AN EXISTING WELL HAS BEEN REPAIRED OR SERVICED IN A MANNER THAT REQUIRES THE OPENING OF THE NEW WELL CASING, THE WELL SHALL BE PUMPED TO WASTE UNTIL THE PUMPED WATER IS REASONABLY CLEAR. AFTER PUMPING TO WASTE, THE WELL, PUMPING EQUIPMENT, AND BUILDING PLUMBING SHALL BE DISINFECTED BEFORE BEING PUT INTO USE. DISINFECTION SHALL BE CONDUCTED IN ACCORDANCE WITH NYSDOH POLICY.

3. INDIVIDUAL WELLS SHOULD, IF POSSIBLE, BE CONSTRUCTED TO PRODUCE A MINIMUM LONG-TERM SUSTAINABLE YIELD OF 5 GPM OR MORE. WHERE THIS CAN NOT BE ACHIEVED, THE FOLLOWING TABLE CAN BE USED TO HELP SELECT WATER STORAGE THAT WILL ALLOW LOW YIELD WELLS TO MEET PEAK HOUSHELD WATER DEMAND. THIS STORAGE CAN BE PROVIDED BY A TANK, STORAGE IN THE WELL, OR A COMBINATION OF BOTH.

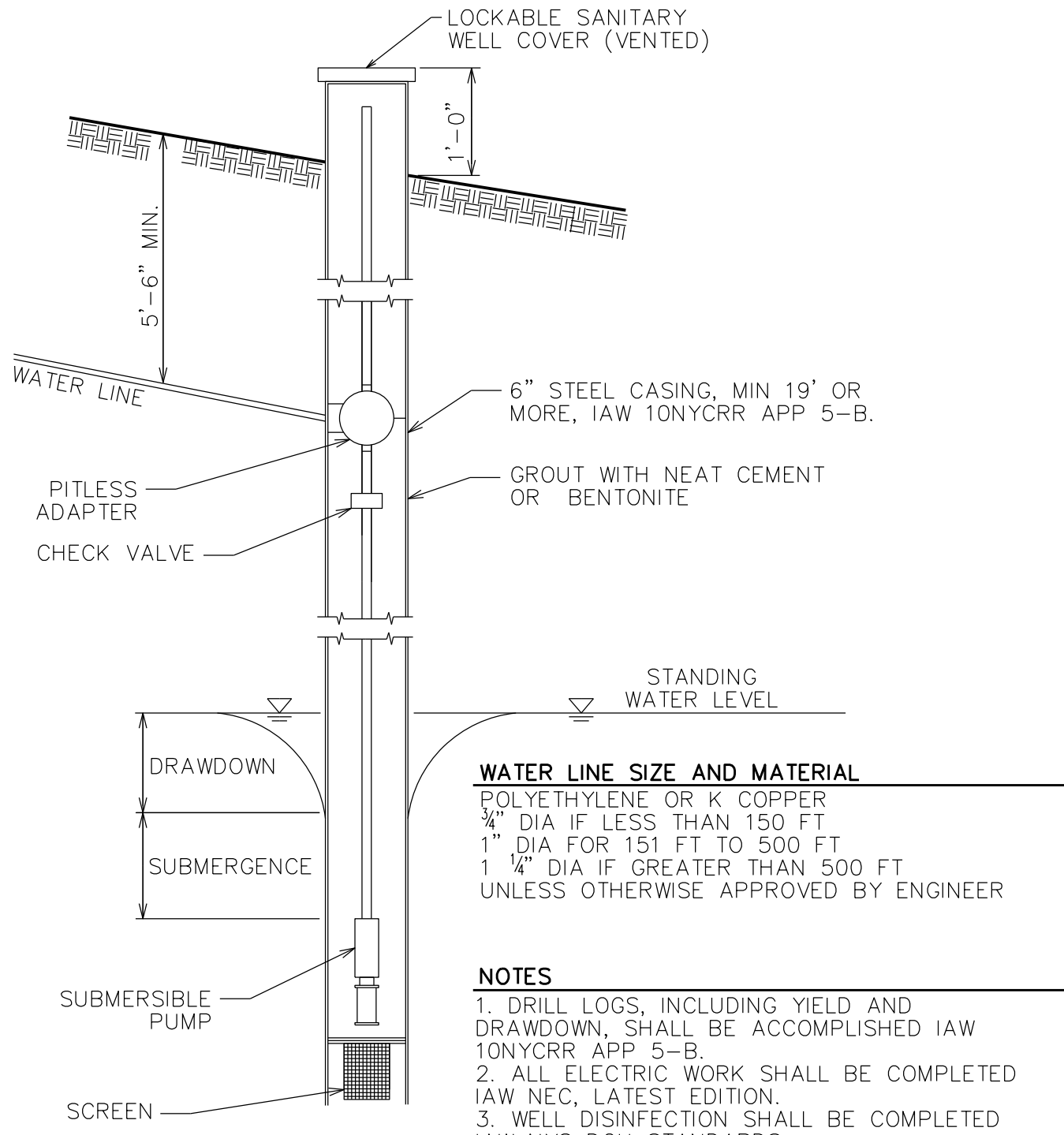
RECOMMENDED MINIMUM STORAGE (GALLONS)				
WELL YIELD (GPM)	2 BEDS	3 BEDS	4 BEDS	5 BEDS
5 OR MORE	NONE	NONE	NONE	NONE
3 TO 5	100	150	200	250
1 TO 3	150	200	250	300
0.5 TO 1	200	250		
LESS THAN 0.5	NOT RECOMMENDED FOR USE			

4. WATER QUALITY SAMPLING SHALL BE DETERMINED FOR INDIVIDUAL DRILLED WELLS. WATER QUALITY SHOULD COMPLY WITH NYCRR PART 5, TITLED DRINKING WATER STANDARDS. THE MINIMUM WATER QUALITY PARAMETERS TO BE TESTED SHALL INCLUDE COLIFORM BACTERIA, LEAD, NITRATE, NITRITE, IRON, MANGANESE, IRON PLUS MANGANESE, SODIUM, PH, HARDNESS, ALKALINITY, AND TURBIDITY. ADDITIONAL SAMPLING MAY BE NECESSARY BASED ON PROXIMITY OF THE WELL TO POTENTIAL SOURCES OF CONTAMINATION. WATER QUALITY SAMPLES THAT DO NOT MEET POTABILITY STANDARDS WILL REQUIRE TREATMENT TO MEET THE DRINKING WATER STANDARDS.

5. WHEN WELL WATER TREATMENT IS NECESSARY TO MEET THE DRINKING WATER STANDARDS, ONLY WHOLE HOUSE TREATMENT IS RECOMMENDED. EXCEPT FOR SOFTENING. WHEN WATER SOFTENING TREATMENT IS PROVIDED, ONLY THE WATER FLOWING TO THE WATER HEATER, LAUNDRY, AND BOILER SHOULD BE SOFTENED TO PRODUCE A BLENDED WATER HARDNESS OF 50 TO 80 MG/L. TREATMENT MAY BE INSTALLED FOR IRON REMOVAL, MANGANESE REMOVAL, CORROSION CONTROL, SOFTENING, TASTE/ODOR CONTROL, FLUORIDE REDUCTION, DEGASIFICATION, AND ORGANIC CHEMICAL REMOVAL.

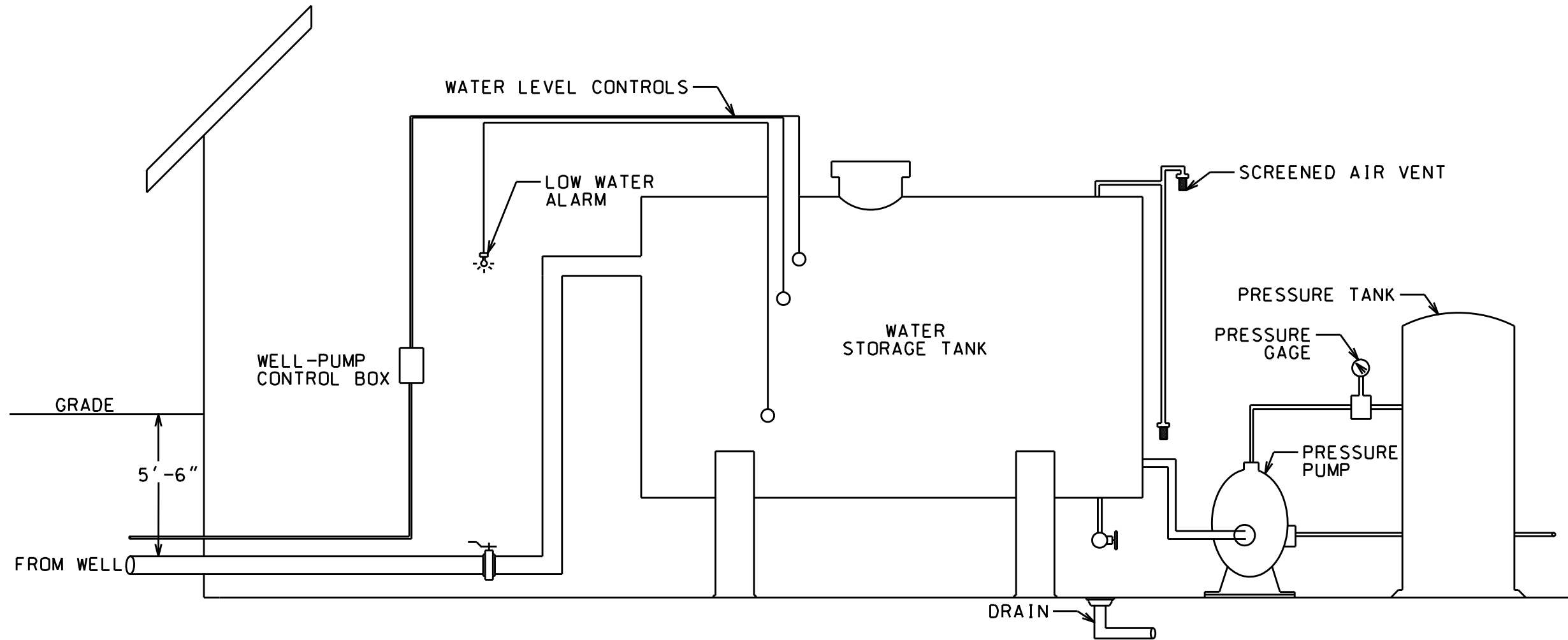
6. AQUIFERS EXHIBITING BIOLOGICAL CONTAMINATION OR TURBIDITY EXCEEDING THE DRINKING WATER STANDARD OF 5 NTU ARE NOT APPROPRIATE FOR INDIVIDUAL WATER SUPPLY DEVELOPMENT. OXIDIZED IRON OR MANGANESE TURBIDITY SHOULD NOT BE INCLUDED WHEN DETERMINING TURBIDITY VALUES SINCE BOTH MAY BE REMOVED BY TREATMENT. TREATMENT FOR TURBIDITY REMOVAL MAY BE ACCOMPLISHED VIA AN INLINE CARTRIDGE FILTRATION SYSTEM CAPABLE OF FILTERING PARTICLES GREATER THAN 5 MICRONS (IE 5 MICRON ULTIMATE FILTRATION CAPACITY).

7. DRINKING WATER TREATMENT UNITS SHALL CONFORM WITH ALL APPLICABLE NSF STANDARDS. NSF CERTIFIED PRODUCTS ARE LISTED IN A SEARCHABLE DATABASE ON THE INTERNET AT [HTTP://WWW NSF.ORG](http://www NSF.ORG).



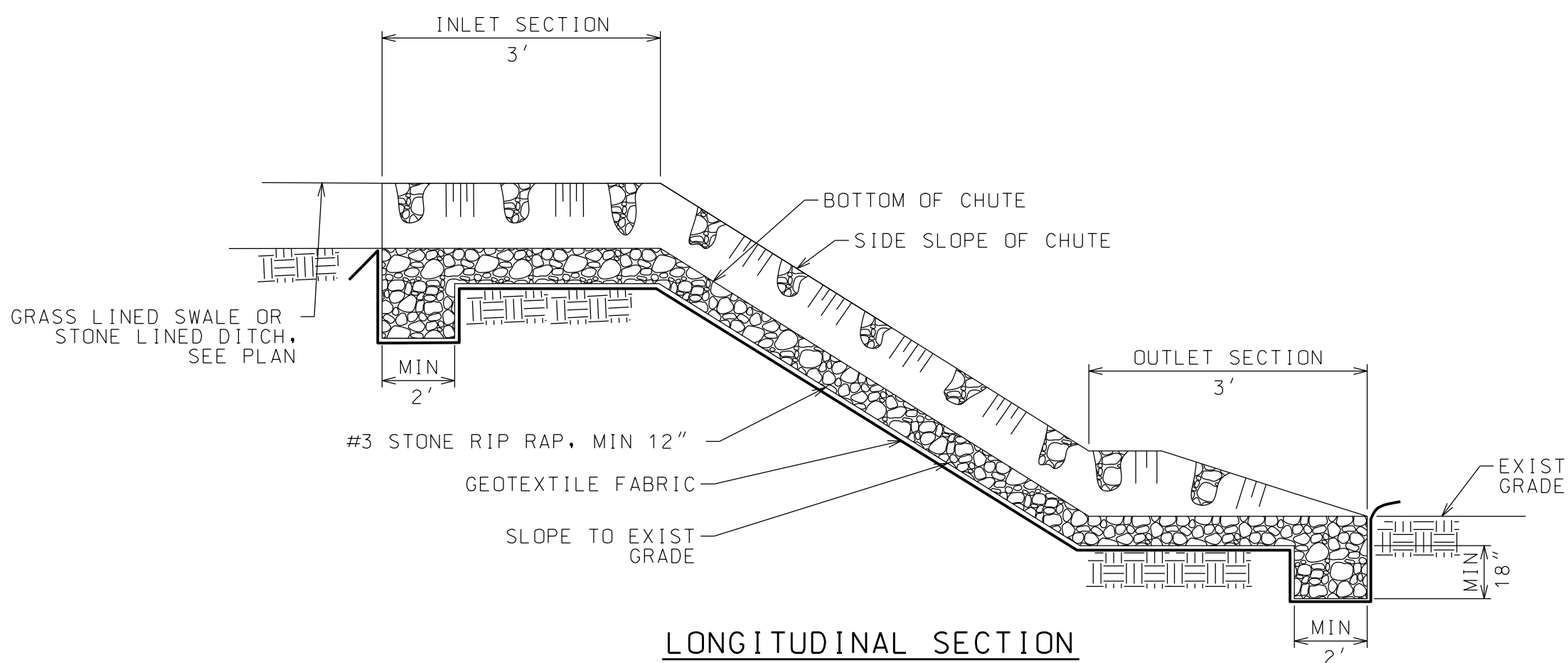
DRILLED WELL SECTION - INDIVIDUAL WELL

NTS

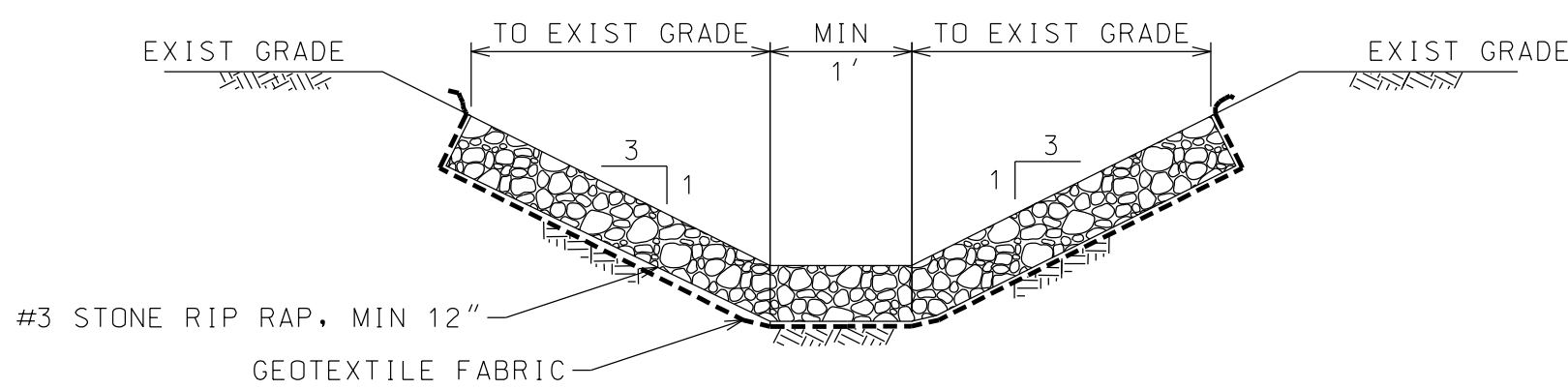


TYPICAL WATER TANK PROVIDING SUPPLEMENTAL STORAGE FOR A WELL WATER SYSTEM

NTS



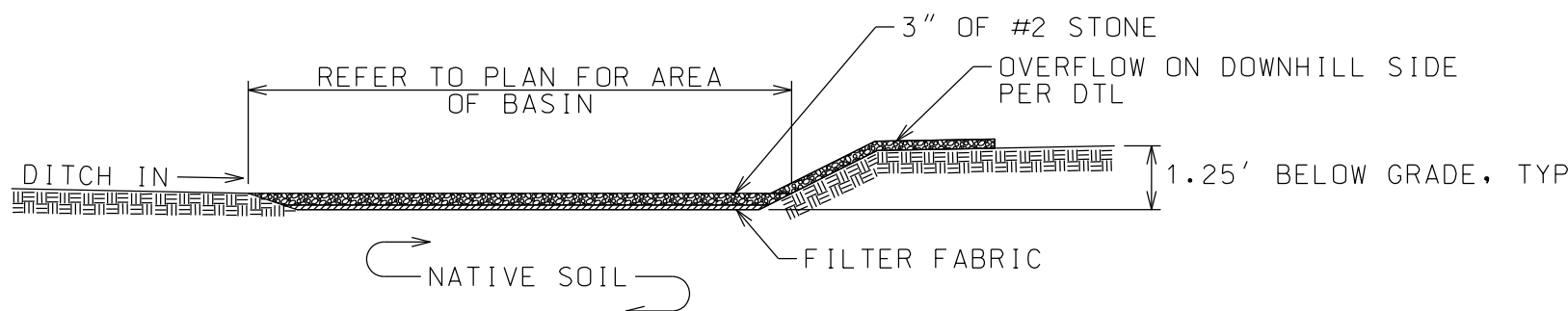
LONGITUDINAL SECTION



PROFILE

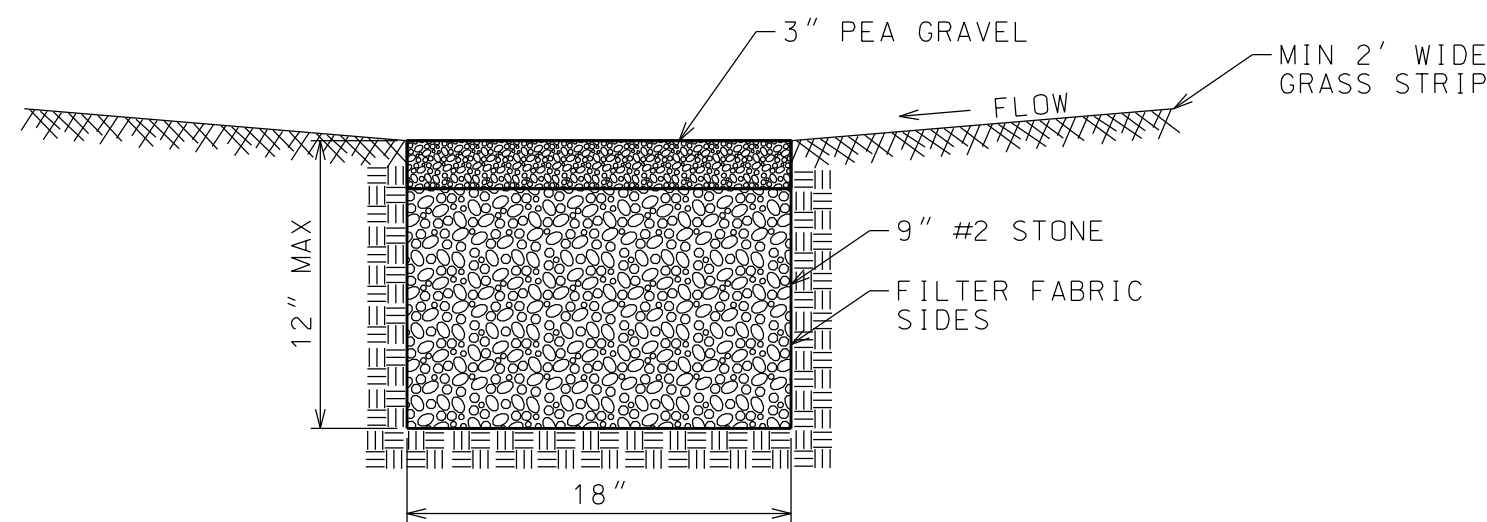
STONE RIPRAP CHUTE

NTS



INFILTRATION AREA DETAIL

NTS



INFILTRATION TRENCH

NTS

NOTES:

1. FOLLOW CONTOURS TO ENSURE TRENCH BOTTOM REMAINS LEVEL.
2. MAINTAIN 50' OF SEPARATION FROM ANY COMPONENT OF SEPTIC SYSTEM WHERE POSSIBLE.
3. MAXIMIZE SETBACK TO WELL AS PRACTICAL.

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AYLWARD SUBDIVISION
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
9/19/25	PERMITTING	
11/7/25	APA CHANGES	A

DRAWN BY:RRG

CHECKED BY: JAG

PROJECT #:23-057

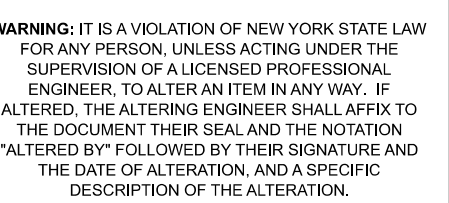
ORIGINAL 24"x36"

TITLE

WATER & SITE DETAILS

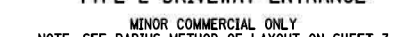
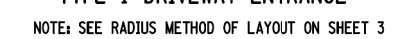
SHEET

C305

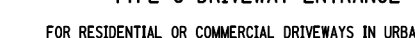
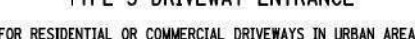
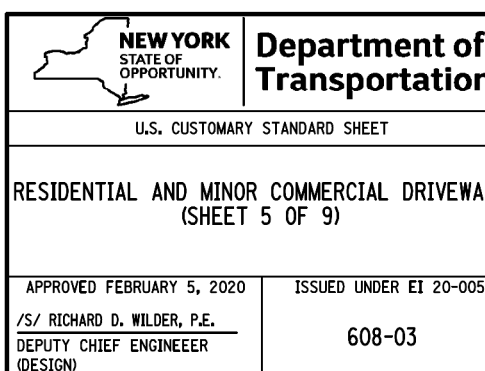


TOWN OF KEENE, NY

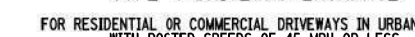
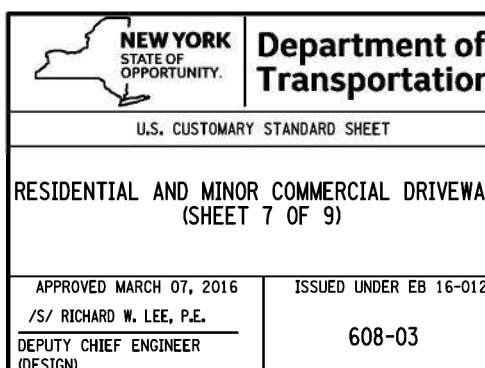
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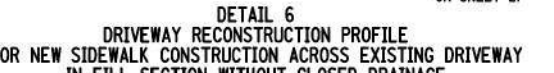
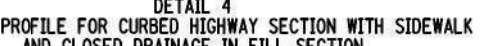
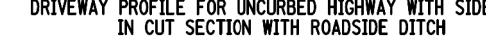
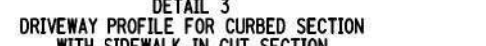
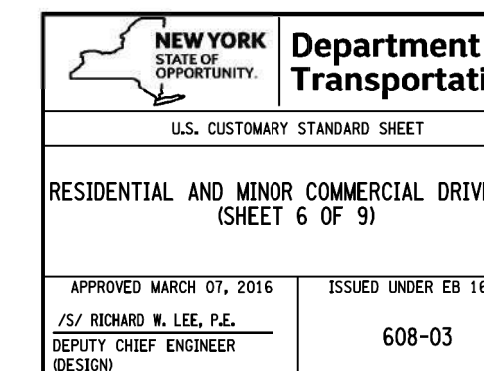
NOTE:
ALL GENERAL NOTES AND ABBREVIATIONS REFERENCED ON THIS SHEET CAN BE FOUND ON STANDARD SHEET 608-03, SHEET 1 OF 9.



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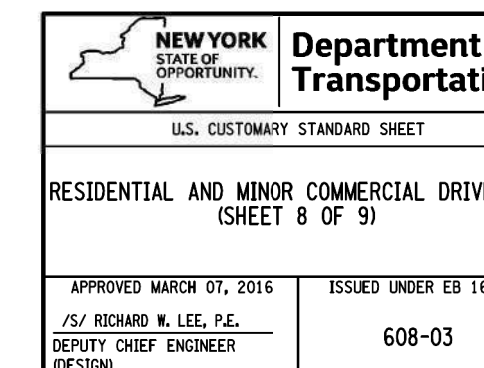
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NOTES:

ALL GENERAL NOTES AND ABBREVIATIONS REFERENCED ON THIS SHEET CAN BE FOUND ON STANDARD SHEET 608-03, SHEET 1 OF 1.

DETAILS SHOWN ON THIS SHEET SHALL BE USED FOR RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS ONLY. CURB RAMPS SHALL BE USED AT MAJOR COMMERCIAL DRIVEWAYS, PUBLIC HIGHWAYS, AND STREETS. REFER TO SHEET 1 FOR THE DEFINITION OF MAJOR COMMERCIAL DRIVEWAYS.





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AYLWARD SUBDIVISION DRIVEWAY
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
10/30/25	DOT PERMIT	

DRAWN BY:RRG
CHECKED BY: JAG
PROJECT #:23-057
ORIGINAL 24"x36"

TITLE

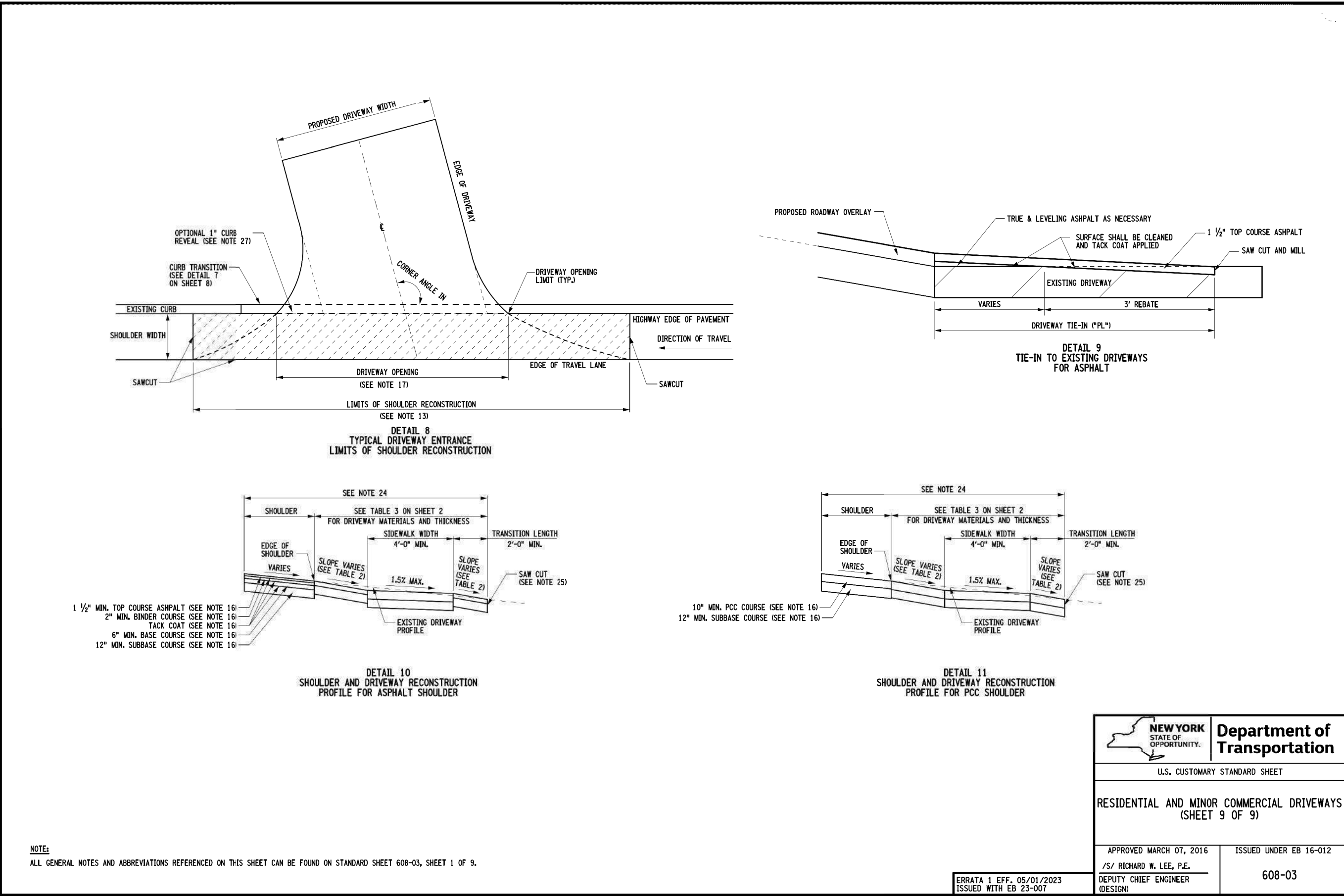
DOT DETAILS

SHEET

C402

STANDARD SHEETS, May 01, 2023

DATE: 10/30/25
BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
SHEET: 1 OF 9





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AYLWARD SUBDIVISION DRIVEWAY
TOWN OF KEENE, NY

PROJECT NAME

LOCATION
KEENE, NY

DATE	ISSUED FOR	REV
10/30/25	DOT PERMIT	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"

TITLE

DOT DETAILS

SHEET

C404

WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE						
SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY	SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY	SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY	SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY	
	A5-1	C	72"x60"	72"x60"			W1-11	B	24"x36"	48"x48"	48"x48"		R11-2	B	48"x30"	48"x30"	48"x30"		W1-12	B	24"x36"	36"x54"	48"x72"	
	G20-1	A	36"x18"	48"x24"	48"x24"		W1-13	B	24"x36"	36"x54"	48"x72"		R11-3	B	48"x30"	60"x30"	-----		W1-14	A	36"x36"	48"x48"	48"x48"	
	G20-2	A	36"x18"	48"x24"	48"x24"		W1-15	A	36"x36"	48"x48"	48"x48"		R11-4	A	36"x36"	60"x30"	-----		W1-16	A	36"x36"	48"x48"	48"x48"	
	G20-4	A	36"x18"	-----	-----		W1-17	A	36"x36"	48"x48"	48"x48"		R11-5	A	36"x36"	60"x30"	-----		W1-18	A	36"x36"	48"x48"	48"x48"	
	G20-5a	A	24"x18"	36"x24"	36"x24"		W1-19	A	36"x36"	48"x48"	48"x48"		R11-6	A	36"x36"	60"x30"	-----		W1-20	A	36"x36"	48"x48"	48"x48"	
	M1-1	G	1 OR 2 DOTTED 24"x24"	36"x36"	36"x36"		W1-21	A	36"x36"	48"x48"	48"x48"		R11-7	A	36"x36"	60"x30"	-----		W1-22	A	36"x36"	48"x48"	48"x48"	
	M1-11	G	3 DOTTED 30"x24"	45"x36"	45"x36"		W1-23	A	36"x36"	48"x48"	48"x48"		R11-8	A	36"x36"	60"x30"	-----		W1-24	A	36"x36"	48"x48"	48"x48"	
	M1-14	B	1 OR 2 DOTTED 24"x24"	36"x36"	36"x36"		W1-25	A	36"x36"	48"x48"	48"x48"		R11-9	A	36"x36"	60"x30"	-----		W1-26	A	36"x36"	48"x48"	48"x48"	
	M1-41	B	3 DOTTED 30"x24"	45"x36"	45"x36"		W1-27	A	36"x36"	48"x48"	48"x48"		R11-10	A	36"x36"	60"x30"	-----		W1-28	A	36"x36"	48"x48"	48"x48"	
	M2-1	SEE NOTE 3	24"x12"	36"x18"	36"x18"		W1-29	A	36"x36"	48"x48"	48"x48"		R11-11	A	36"x36"	60"x30"	-----		W1-30	A	36"x36"	48"x48"	48"x48"	
	M2-2	SEE NOTE 3	24"x12"	36"x18"	36"x18"		W1-31	A	36"x36"	48"x48"	48"x48"		R11-12	A	36"x36"	60"x30"	-----		W1-32	A	36"x36"	48"x48"	48"x48"	
	M2-3	SEE NOTE 3	24"x12"	36"x18"	36"x18"		W1-33	A	36"x36"	48"x48"	48"x48"		R11-13	A	36"x36"	60"x30"	-----		W1-34	A	36"x36"	48"x48"	48"x48"	
	M2-4	SEE NOTE 3	24"x12"	36"x18"	36"x18"		W1-35	A	36"x36"	48"x48"	48"x48"		R11-14	A	36"x36"	60"x30"	-----		W1-36	A	36"x36"	48"x48"	48"x48"	
	M4-8	A	24"x12"	36"x18"	36"x18"		W1-37	A	36"x36"	48"x48"	48"x48"		R11-15	A	36"x36"	60"x30"	-----		W1-38	A	36"x36"	48"x48"	48"x48"	
	M4-8	A	24"x18"	24"x18"	24"x18"		W1-39	A	36"x36"	48"x48"	48"x48"		R11-16	A	36"x36"	60"x30"	-----		W1-40	A	36"x36"	48"x48"	48"x48"	
	M4-9	A	36"x24"	48"x36"	48"x36"		W1-41	A	36"x36"	48"x48"	48"x48"		R11-17	A	36"x36"	60"x30"	-----		W1-42	A	36"x36"	48"x48"	48"x48"	
	M4-9a	A	36"x24"	36"x24"	-----		W1-43	A	36"x36"	48"x48"	48"x48"		R11-18	A	36"x36"	60"x30"	-----		W1-44	A	36"x36"	48"x48"	48"x48"	
	M4-10	A	36"x24"	36"x24"	-----		W1-45	A	36"x36"	48"x48"	48"x48"		R11-19	A	36"x36"	60"x30"	-----		W1-46	A	36"x36"	48"x48"	48"x48"	
	M4-10	A	36"x24"	36"x24"	-----		W1-47	A	36"x36"	48"x48"	48"x48"		R11-20	A	36"x36"	60"x30"	-----		W1-48	A	36"x36"	48"x48"	48"x48"	
	M4-10L	A	48"x18"	48"x18"	48"x18"		W1-49	A	36"x36"	48"x48"	48"x48"		R11-21	A	36"x36"	60"x30"	-----		W1-50	A	36"x36"	48"x48"	48"x48"	
	M5-1	SEE NOTE 3	21"x15"	36"x21"	36"x21"		W1-51	A	36"x36"	48"x48"	48"x48"		R11-22	A	36"x36"	60"x30"	-----		W1-52	A	36"x36"	48"x48"	48"x48"	
	M5-2	SEE NOTE 3	21"x15"	36"x21"	36"x21"		W1-53	A	36"x36"	48"x48"	48"x48"		R11-23	A	36"x36"	60"x30"	-----		W1-54	A	36"x36"	48"x48"	48"x48"	
	M5-1	SEE NOTE 3	21"x15"	36"x21"	36"x21"		W1-55	A	36"x36"	48"x48"	48"x48"		R11-24	A	36"x36"	60"x30"	-----		W1-56	A	36"x36"	48"x48"	48"x48"	
	M5-2	SEE NOTE 3	21"x15"	36"x21"	36"x21"		W1-57	A	36"x36"	48"x48"	48"x48"		R11-25	A	36"x36"	60"x30"	-----		W1-58	A	36"x36"	48"x48"	48"x48"	
	M5-3	SEE NOTE 3	21"x15"	36"x21"	36"x21"		W1-59	A	36"x36"	48"x48"	48"x48"		R11-26	A	36"x36"	60"x30"	-----		W1-60	A	36"x36"	48"x48"	48"x48"	
	M5-4	SEE NOTE 3	21"x15"	36"x21"	36"x21"		W1-61	A	36"x36"	48"x48"	48"x48"		R11-27	A	36"x36"	60"x30"	-----		W1-62	A	36"x36"	48"x48"	48"x48"	
	NYM-1	B	24"x24"	36"x36"	36"x36"		W1-63	A	36"x36"	48"x48"	48"x48"		R11-28	A	36"x36"	60"x30"	-----		W1-64	A	36"x36"	48"x48"	48"x48"	
	NYM-2	B	36"x24"	45"x36"	45"x36"		W1-65	A	36"x36"	48"x48"	48"x48"		R11-29	A	36"x36"	60"x30"	-----		W1-66	A	36"x36"	48"x48"	48"x48"	
	NYM-3	B	36"x24"	45"x36"	45"x36"		W1-67	A	36"x36"	48"x48"	48"x48"		R11-30	A	36"x36"	60"x30"	-----		W1-68	A	36"x36"	48"x48"	48"x48"	
	NYM-3	B	36"x24"	45"x36"	45"x36"		W1-69	A	36"x36"	48"x48"	48"x48"		R11-31	A	36"x36"	60"x30"	-----		W1-70	A	36"x36"	48"x48"	48"x48"	

WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W1-11	B	24"x36"	48"x48"	48"x48"
	W1-12	B	24"x36"	36"x54"	48"x72"
	W1-13	B	24"x36"	36"x54"	48"x72"
	W1-14	A	36"x36"	48"x48"	48"x48"
	W1-15	A	36"x36"	48"x48"	48"x48"
	W1-16	A	36"x36"	48"x48"	48"x48"
	W1-17	A	36"x36"	48"x48"	48"x48"
	W1-18	A	36"x36"	48"x48"	48"x48"
	W1-19	A	36"x36"	48"x48"	48"x48"
	W1-20	A	36"x36"	48"x48"	48"x48"
	W1-21	A	36"x36"	48"x48"	48"x48"
	W1-22	A	36"x36"	48"x48"	48"x48"
	W1-23	A	36"x36"	48"x48"	48"x48"
	W1-24	A	36"x36"	48"x48"	48"x48"
	W1-25	A	36"x36"	48"x48"	48"x48"
	W1-26	A	36"x36"	48"x48"	48"x48"
	W1-27	A	36"x36"	48"x48"	48"x48"
	W1-28	A	36"x36"	48"x48"	48"x48"
	W1-29	A	36"x36"	48"x48"	48"x48"
	W1-30	A	36"x36"	48"x48"	48"x48"
	W1-31	A	36"x36"	48"x48"	48"x48"
	W1-32	A	36"x36"	48"x48"	48"x48"
	W1-33	A	36"x36"	48"x48"	48"x48"
	W1-34	A	36"x36"	48"x48"	48"x48"
	W1-35	A	36"x36"	48"x48"	48"x48"
	W1-36	A	36"x36"	48"x48"	48"x48"
	W1-37	A	36"x36"	48"x48"	48"x48"
	W1-38	A	36"x36"	48"x48"	48"x48"
	W1-39	A	36"x36"	48"x48"	48"x48"
	W1-40	A	36"x36"	48"x48"	48"x48"
	W1-41	A	36"x36"	48"x48"	48"x48"
	W1-42	A	36"x36"	48"x48"	48"x48"
	W1-43	A	36"x36"	48"x48"	48"x48"
	W1-44	A	36"x36"	48"x48"	48"x48"
	W1-45	A	36"x36"	48"x48"	48"x48"
	W1-46	A	36"x36"	48"x48"	48"x48"
	W1-47	A	36"x36"	48"x48"	48"x48"
	W1-48	A	36"x36"	48"x48"	48"x48"
	W1-49	A	36"x36"	48"x48"	48"x48"
	W1-50	A	36"x36"	48"x48"	48"x48"
	W1-51	A	36"x36"	48"x48"	48"x48"
	W1-52	A	36"x36"	48"x48"	48"x48"
	W1-53	A	36"x36"	48"x48"	48"x48"
	W1-54	A	36"x36"	48"x48"	48"x48"
	W1-55	A	36"x36"	48"x48"	48"x48"
	W1-56	A	36"x36"	48"x48"	48"x48"
	W1-57	A	36"x36"	48"x48"	48"x48"
	W1-58	A	36"x36"	48"x48"	48"x48"
	W1-59	A	36"x36"	48"x48"	48"x48"
	W1-60	A	36"x36"	48"x48"	48"x48"
	W1-61	A	36"x36"	48"x48"	48"x48"
	W1-62	A	36"x36"	48"x48"	48"x48"
	W1-63	A	36"x36"	48"x48"	48"x48"
	W1-64	A	36"x36"	48"x48"	48"x48"
	W1-65	A	36"x36"	48"x48"	48"x48"
	W1-66	A	36"x36"	48"x48"	48"x48"
	W1-67	A	36"x36"	48"x48"	48"x48"
	W1-68	A	36"x36"	48"x48"	48"x48"
	W1-69	A	36"x36"	48"x48"	48"x48"
	W1-70	A	36"x36"	48"x48"	48"x48"
	W1-71	A	36"x36"	48"x48"	48"x48"
	W1-72	A	36"x36"	48"x48"	48"x48"
	W1-73	A	36"x36"	48"x48"	48"x48"
	W1-74	A	36"x36"	48"x48"	48"x48"
	W1-75	A	36"x36"	48"x48"	48"x48"
	W1-76	A	36"x36"	48"x48"	48"x48"
	W1-77	A	36"x36"	48"x48"	48"x48"
	W1-78	A	36"x36"	48"x48"	48"x48"
	W1-79	A	36"x36"	48"x48"	48"x48"
	W1-80	A	36"x36"	48"x48"	48"x48"
	W1-81	A	36"x36"	48"x48"	48"x48"
	W1-82	A	36"x36"	48"x48"	48"x48"
	W1-83	A	36"x36"	48"x48"	48"x48"



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 MANNER. 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.

AYLWARD SUBDIVISION DRIVEWAY
TOWN OF KEENE, NY

PROJECT NAME

LOCATION

KEENE, NY

DATE	ISSUED FOR	REV
10/30/25	DOT PERMIT	

DRAWN BY:RRG
CHECKED BY: JAG
PROJECT #:23-057
ORIGINAL 24"x36"

TITLE

DOT DETAILS

SHEET

C405

TABLE 310-01: PROTECTIVE VEHICLE REQUIREMENTS				
CLOSURE TYPE	ROAD TYPE & SPEED <small>(SEE NOTE 1)</small>	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCHANCEMENT	EXPOSURE CONDITIONS <small>(SEE NOTE 1)</small>			
	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PWH-TMA	PVL-TMA	PVL
SHOULDER CLOSURE OR ENCHANCEMENT	-NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS)	PWH-TMA	PVL	SEE NOTE 2
	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PWH-TMA	PVL	PVL
SHOULDER CLOSURE OR ENCHANCEMENT	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION)	PWH-TMA	PVL	SEE NOTE 2
	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PWH-TMA	PVL	PVL

LEGEND
PVL - PROTECTIVE VEHICLE LIGHT MINIMUM GROSS WEIGHT 5,500 LBS. OR GREATER (SEE NOTE 4)
PWH - PROTECTIVE VEHICLE HEAVY MINIMUM GROSS WEIGHT 25,000 LBS. OR GREATER
TMA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

- NOTES
- THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
 - EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.
 - TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT ROWN LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMA.
 - THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY HIGHWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

TABLE 310-04: LONGITUDINAL BUFFER SPACE AND TAPER LENGTHS											
PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.) # OF SKIP LINES	TAPER LENGTH (FT.) # OF SKIP LINES/ # OF CHANNELING DEVICES			SHOULDER TAPER LENGTH (FT.) # OF SKIP LINES/ # OF CHANNELING DEVICES						
		LATERAL SHIFT OF TRAFFIC FLOW PATH (FT.)			FOR SHOULDER WIDTH						
		10	11	12	≤ 4 FT.	5 - 7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.
25	155 / 4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2
30	200 / 5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3
35	250 / 6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3	80/2/3	80/2/3
40	300 / 7	240/6/7	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4
45	360 / 9	440/11/12	520/13/14	560/14/15	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4	160/4/5
50	425 / 11	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	160/4/5	160/4/5
55	495 / 13	560/14/15	600/15/16	680/17/18	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	200/5/6	200/5/6

TABLE 310-05: REQUIRED SIGN SIZES*		
SIGN	NON-FREEWAY	FREEWAY
C20-1	36x18	48x24
C20-2	36x18	48x24
W-5a	24x18	36x30
W-23	26x36	48x48
W-20-1	36x36	48x48
WARNING FLAG	18x18	18x18
*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.		

TABLE 310-02: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES		
ROLL AHEAD DISTANCE (FT.)# OF SKIP LINES FOR VEHICLES		
STATIONARY OPERATION		
PRECONSTRUCTION POSTED SPEED LIMIT MPH	PROTECTIVE VEHICLES WEIGHING 9,500 TO 22,999 LBS./GVW	PROTECTIVE VEHICLES WEIGHING 23,000 LBS. OR GREATER GVW
≥ 60	200/5	160/4
45 - 55	160/4	120/3
≤ 40	120/3	80/2

TABLE 310-03: ADVANCE WARNING SIGN SPACING				
ROAD TYPE	DISTANCE BETWEEN SIGNS		SIGN LEGEND	
	A (FT.)	B (FT.)	XX	YY
URBAN (≤ 30 MPH)	100	100	AHEAD	AHEAD
URBAN (30-40 MPH)	100	200	AHEAD	AHEAD
URBAN (40-55 MPH)	100	350	1000 FT.	AHEAD
RURAL	500	500	1000 FT.	1000 FT.
* PRECONSTRUCTION POSTED SPEED LIMIT				

Department of
Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
NON-FREEWAY
SHOULDER CLOSURE
SHORT TERM OPERATION
(SHEET 2 OF 2)

APPROVED: DECEMBER 2, 2021
Robert Limoges
DIRECTOR, OTSM

ISSUED UNDER E1 21-008
619-310

DATE: 10/30/25
DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 23-057
ORIGINAL 24"x36"