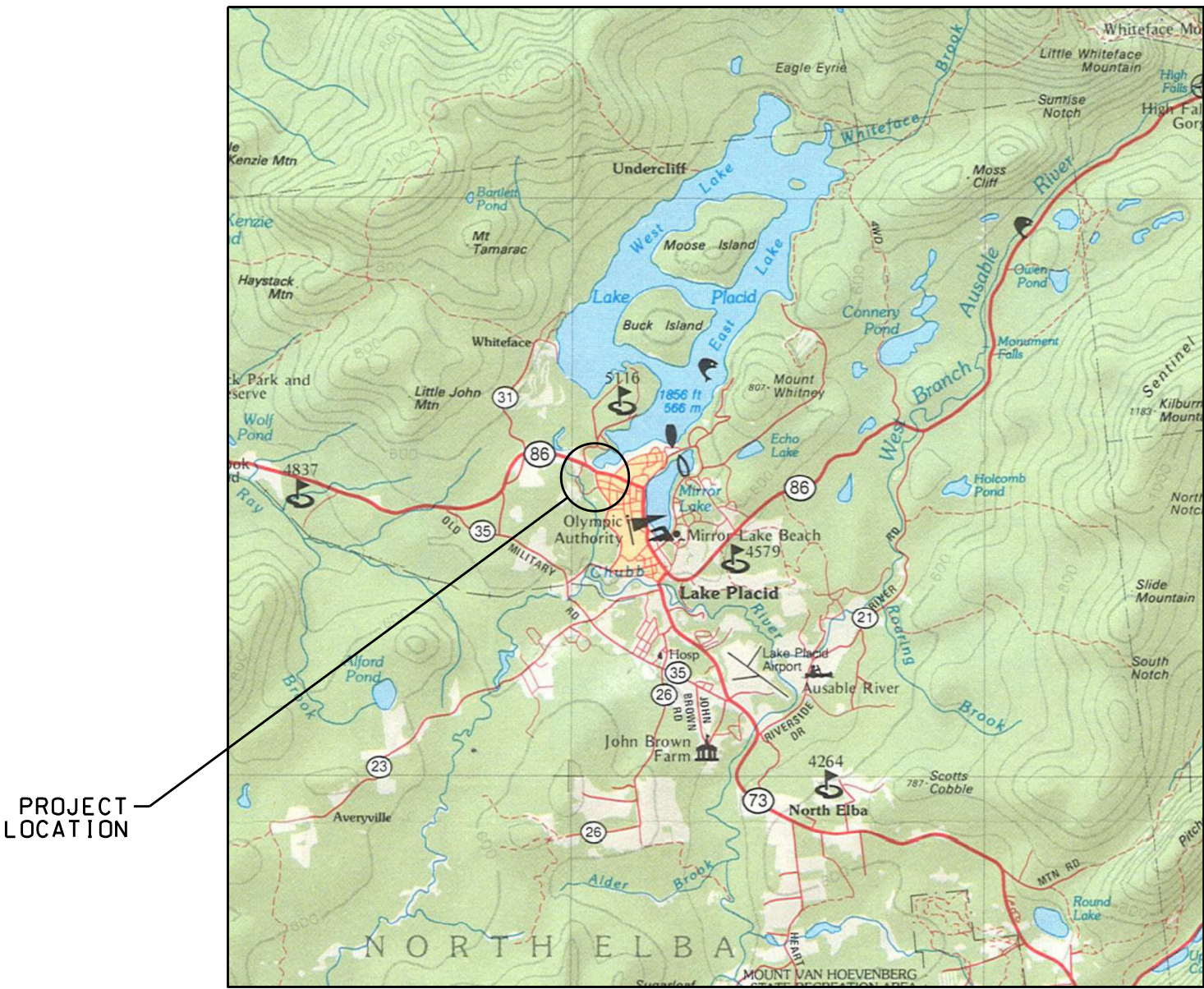


HOMESTEAD DEVELOPMENT CORP.

NORTH ELBA, NY

FOX HILL



PROJECT
LOCATION

LOCATION MAP
NTS



LIST OF ABBREVIATIONS

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

DRAWING LIST

SHEET	TITLE	REVISION	DATE
COV	COVER	A	01/14/26
SURV	TOPOGRAPHIC SURVEY (MARVIN LAND SURVEYING)		10/01/25
	SUBDIVISION PLAN (MARVIN LAND SURVEYING)		TO BE PROVIDED
C100	OVERALL SITE PLAN	A	01/14/26
C101	ESC PLAN SOUTH	A	01/14/26
C102	ESC PLAN NORTH	A	01/14/26
C103	SITE PLAN SOUTH	A	01/14/26
C104	SITE PLAN NORTH	A	01/14/26
C105	UTILITY PLAN SOUTH	A	01/14/26
C106	UTILITY PLAN NORTH	A	01/14/26
C107	UTILITY CONNECTION PLAN		12/12/25
C108	GRADING PLAN SOUTH	A	01/14/26
C109	GRADING PLAN NORTH	A	01/14/26
C110	WETLAND CROSSING SITE PLAN		01/29/26
C200	ROAD PROFILE STA 0+00-5+00		12/12/25
C201	ROAD PROFILE STA 5+00-10+00		12/12/25
C202	ROAD PROFILE STA 10+00-10+94.49		12/12/25
C203	ROAD SECTIONS STA 0+00-8+50		12/12/25
C204	ROAD SECTIONS STA 9+00-10+94.49		12/12/25
C205	CULVERT CROSS SECTION & SECTIONAL ELEVATION		12/12/25
C300	ESC NOTES		12/12/25
C301	ESC DETAILS		12/12/25
C302	SITE DETAILS		12/12/25
C302.1	SITE DETAILS		01/14/26
C303	SITE NOTES		12/12/25
C304	WATER DETAILS		12/12/25
C305	WATER DETAILS		12/12/25
C306	SEWER DETAILS		12/12/25
C307	SEWER DETAILS		12/12/25
C308	SEWER DETAILS		12/12/25
C309	SEWER DETAILS		12/12/25
C310	TRAFFIC CONTROL LANE CLOSURE PLAN		12/12/25
C311	TRAFFIC CONTROL SHOULDER CLOSURE PLAN		12/12/25

SYMBOLS LEGEND

DETAIL MARK		DETAIL NUMBER
		SHEET WHERE DETAIL IS SHOWN
SECTION MARK		SECTION NUMBER
		SHEET WHERE SECTION IS SHOWN
REFERENCE ELEVATION		

GENERAL NOTES

- SITE PLAN BASED UPON SURVEY FROM ROBERT M. MARVIN, JR. LAND SURVEYOR, MOST RECENTLY UPDATED ON 2 OCTOBER 2025.
- 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. DEWATERING DISCHARGE SHALL BE IAW PERMIT CONDITIONS AND INTO APPROPRIATE CONTAINMENT.
- COORDINATE WITH OWNER FOR TEMPORARY STAGING AND PARKING AREAS.
- CONTRACTOR RESPONSIBLE TO CALL UDIG 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.
- THE CONTRACTOR SHALL SECURE THE WORK AREA UNDER CONSTRUCTION AS NEEDED TO PROTECT THE PUBLIC AND WORK COMPLETED. OPEN EXCAVATIONS SHALL BE PROTECTED AT ALL HOURS.
- APA FLAGGED WETLANDS SHALL REMAIN UNDISTURBED, UNLESS SPECIFICALLY NOTED OTHERWISE.
- OBTAIN INDEPENDENT LOCATOR SERVICE PRIOR TO ANY EXCAVATION, IF NEEDED.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO CONSTRUCTION.
- 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.

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 LS) 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 THAT THE NYS DEPARTMENT OF HEALTH DEEMED THAT THE DEVELOPER HAS NOT COMPLIED WITH THE CONDITIONS OF APPROVAL. 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.



SUPPORTED BY THE NYS ENVIRONMENTAL PROTECTION FUND,
ADIRONDACK PARK COMMUNITY SMART GROWTH PROGRAM

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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A
1/29/26	APA CHANGES	B

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

ORIGINAL 24"x36"

TITLE

COVER

SHEET

COV

TOWN OF NORTH ELBA TAX MAP NOS. 42.10-1-2.000 & 42.32-3-11.100			
SURVEY COMPLETED:	01 OCT 2025	ROBERT M. MARVIN, JR.,	LAND SURVEYOR
MAP PLOTTED:	01 OCT 2025	LAKE PLACID, NEW YORK	12946-0965

The image is a detailed site plan for a wetland crossing. It shows a road layout with 16 house units (H1-H16) and 4 duplex units (D1-D4). The plan includes topographic contour lines, a wetland boundary, and a grid system. The title "WETLAND CROSSING SITE PLAN" is centered. The plan is divided into "NORTHERN PLAN SHEETS" and "SOUTHERN PLAN SHEETS".

The plan shows a road layout with 16 house units (H1-H16) and 4 duplex units (D1-D4). The plan includes topographic contour lines, a wetland boundary, and a grid system. The title "WETLAND CROSSING SITE PLAN" is centered. The plan is divided into "NORTHERN PLAN SHEETS" and "SOUTHERN PLAN SHEETS".

BUILDING SCHEDULE								
MARK	TYPE	FOOTPRINT (SF)	FFE	AVG GRADE TO ROOF MIDPOINT	PROPERTY LINE SETBACK	ROW SETBACK	NEW/EXIST GRADE	APA BUILDING HEIGHT
H1	C APE	780	34.50	18.00	8.40	35.00	32.40	25.10
H2	C APE	780	34.40	18.40	6.90	30.20	32.00	25.40
H3	C APE	780	35.90	18.50	8.40	35.00	34.00	24.90
H4	C APE	780	36.70	18.00	6.90	28.70	35.20	25.50
H5	C APE	780	36.50	18.50	8.70	35.00	35.30	24.20
H6	C APE	780	36.20	17.20	8.70	35.00	35.20	24.00
H7	C APE	780	34.50	18.50	8.70	35.00	34.30	23.20
H8	C APE	780	32.00	18.00	8.50	35.00	32.00	23.00
H9	C APE	780	34.50	19.50	8.50	35.00	29.50	28.00
H10	C APE	780	31.80	18.80	7.50	27.70	28.50	26.30
H11	C APE	780	26.50	18.30	8.90	14.90	24.50	25.00
H12	C APE	780	27.90	18.00	4.70	15.10	26.20	24.70
H13	C APE	780	29.90	18.00	4.60	15.00	28.70	24.20
H14	C APE	780	32.30	18.50	4.30	15.00	30.00	25.30
H15	C APE	780	44.50	18.60	5.20	54.10	41.90	25.60
H16	C APE	780	45.50	17.50	7.20	37.90	45.00	23.50
D1	DUPLEX	800	29.00	17.00	17.60	15.00	27.30	24.70
D2	DUPLEX	800	29.00	17.00	15.80	15.00	27.50	24.50
D3	DUPLEX	800	32.50	18.00	22.90	20.00	29.30	26.20
D4	DUPLEX	800	32.50	18.00	23.10	20.00	30.20	25.30
D5	DUPLEX	800	37.00	18.50	17.30	15.00	32.50	28.50
D6	DUPLEX	800	37.00	18.50	17.30	15.00	34.50	26.50

WETLAND

The wetland boundary as shown on this survey was flagged in the field by Mary O'Dell of APA staff on 21 MAY 2023 & 12 JUN 2023 and surveyed by Kent M. Morris, Jr., Land Surveyor on 22 JUL 2023.

Verified by Mary O'Dell of APA staff on _____

Wetland boundaries shown reflect only those flagged in the field and determined necessary for review of the project. Additional wetlands may exist elsewhere on the parcel that have not been flagged.

OUTFALLS
 15" CWP - 1816.6'
 18" CWP - 1810.7'

OUTFALLS
 15" CWP - 1816.6'
 18" CWP - 1810.7'

MANHOLE
 RM - 1824.3'
 RV - 1819.1'

MANHOLE
 RM - 1827.6'
 RV - 1818.4'

UTILITY CONNECTION PLAN

OVERALL SITE PLAN

1" = 60'

60' 0 60' 120'

N

OVERALL SITE PLAN
1" = 60'

60' 0 60' 12

EET

C100

1.) The wetland boundary as shown is based on data provided by Mary O'Dell of APA staff on 2/28/2018. The wetland boundary was verified by Robert M. Marvin, Jr., Land Surveyor, on 3/1/2018.

2.) Verified by Mary O'Dell of APA staff on 3/1/2018.

3.) Wetland boundaries shown are based on data provided by Mary O'Dell of APA staff on 2/28/2018. The wetland boundary was verified by Robert M. Marvin, Jr., Land Surveyor, on 3/1/2018.

USE FILTER SOCK IN LOCATIONS WHERE CLEARING IS NOT PROPOSED TO LIMIT IMPACTS, TYP

SILT FENCE, TYP

PUMPED SEDIMENT REMOVAL AREA

SAFETY FENCE TO DELINEATE WETLANDS

SEE WETLAND CROSSING PLAN FOR ESC PRACTICES THIS AREA

100' WETLAND SETBACK LINE

REFER TO UTILITY CONNECTION PLAN FOR ESC REQUIREMENTS THAT AREA

MAINTAIN VEGETATIVE BUFFER TO ALGONQUIN DRIVE

STABILIZED CONSTRUCTION ENTRANCE, SEE DTL

MAINTAIN VEGETATIVE BUFFER TO ALGONQUIN DRIVE

CONTRACTOR LAYDOWN AREA

LIMITS OF CLEARING, TYP, CONDUCT CLEARING OPERATIONS NOV 1 - MAR 31

REFER TO SLOPE STABILIZATION REQUIREMENTS ON GRADING PLAN, TYP

H1 CAPS STYLE, TYP

H2

H3

H4

H5

H6

H7

H8

H9

H10

43

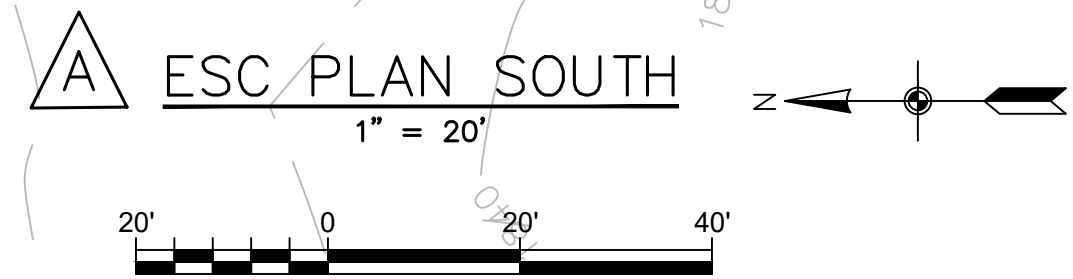
ESC PLAN SOUTH

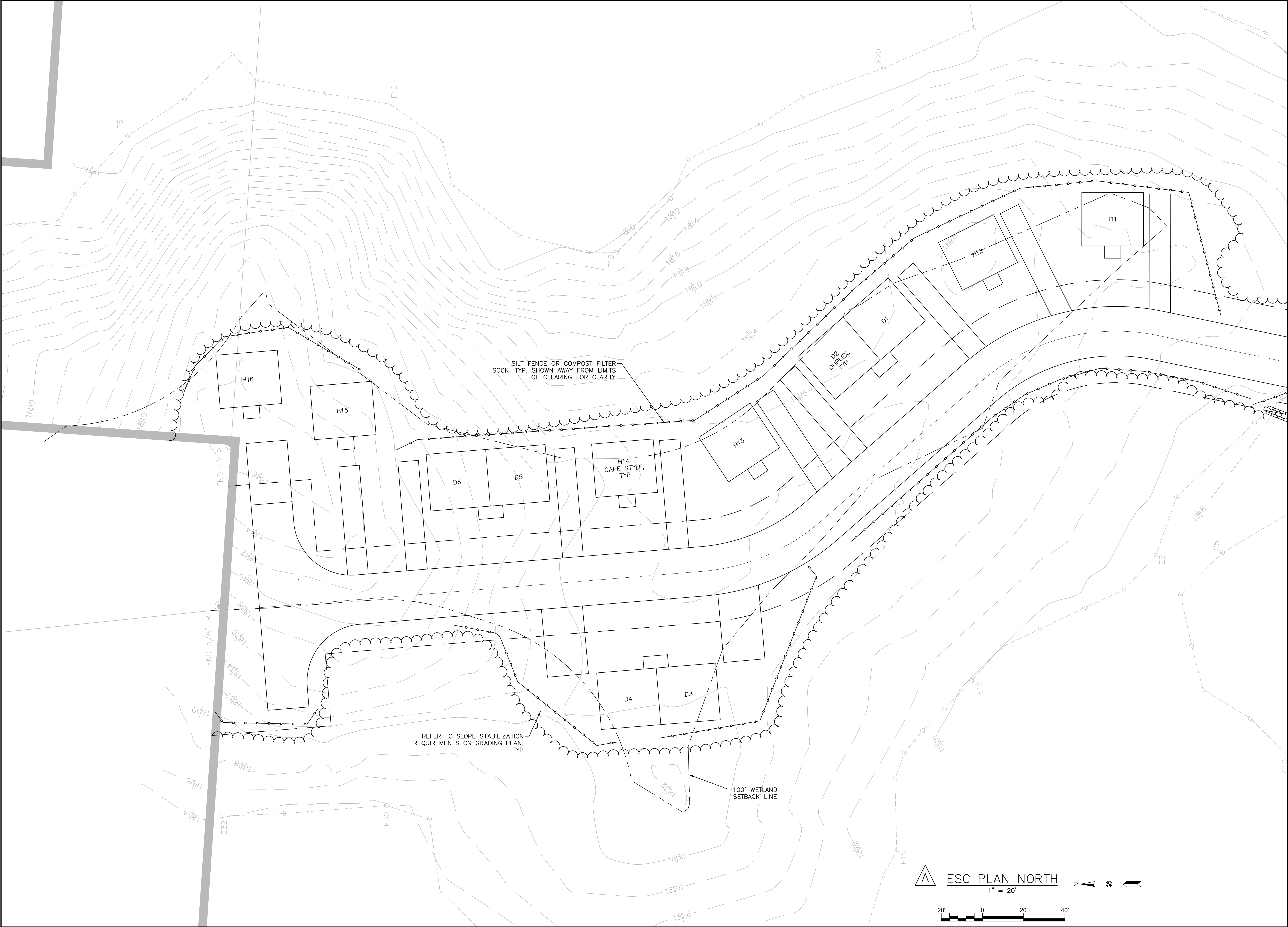
1" = 20'

20' 0 20' 40'

N

C101






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PROJECT NAME

HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

ORIGINAL 24"x36"

LOCATION		
LAKE PLACID, NY		
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

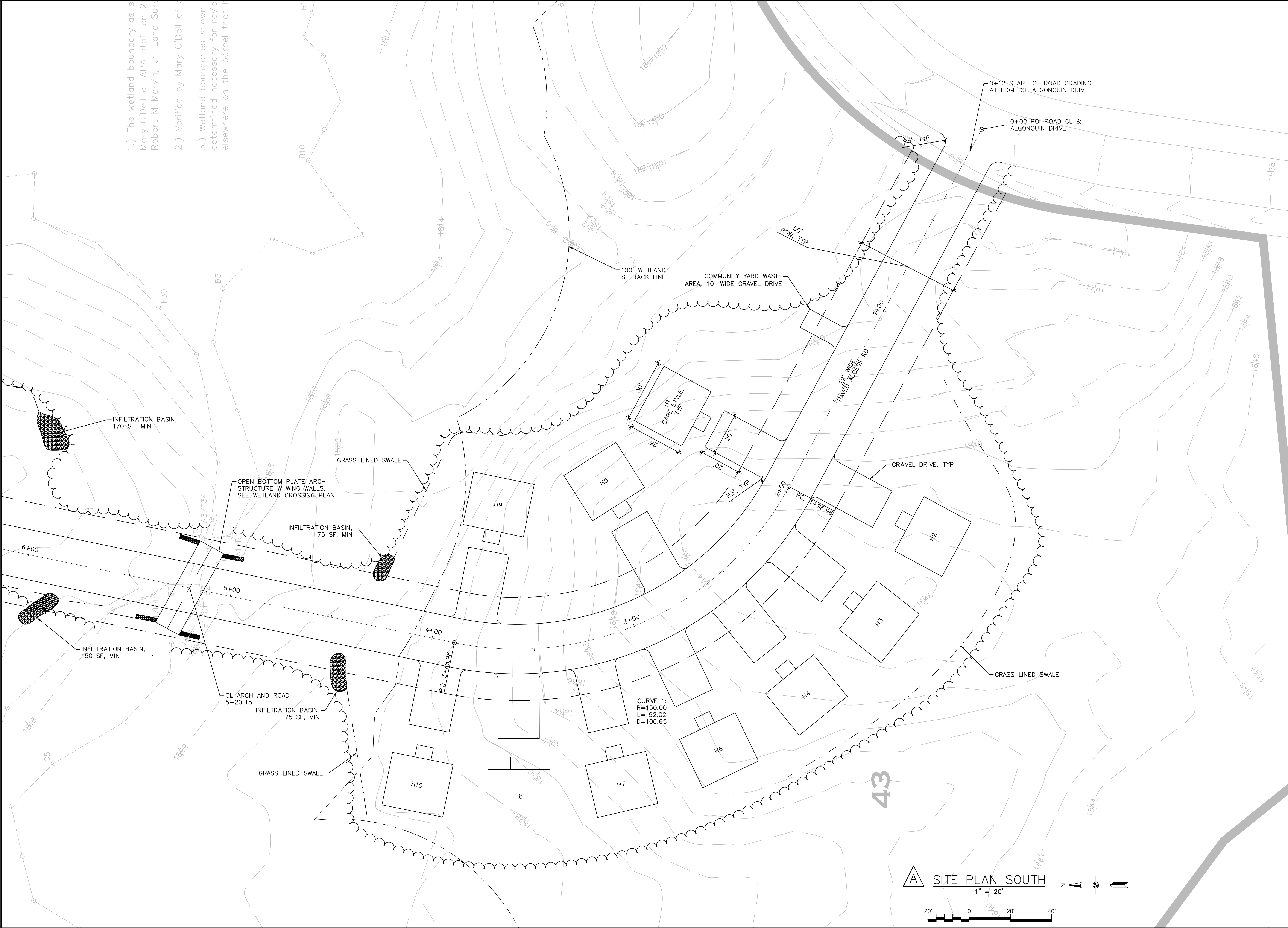
ORIGINAL 24"x36"

TITLE

ESC PLAN NORTH

SHEET

C102



- 1.) The wetland boundary as shown is based on the data provided by Mary O'Dell of APA staff on 2/1/2017. The wetland boundary was verified by Robert M Marvin, Jr. Land Surveyor on 2/1/2017.
- 2.) Verified by Mary O'Dell of APA staff on 2/1/2017.
- 3.) Wetland boundaries shown are based on the data provided by Robert M Marvin, Jr. Land Surveyor on 2/1/2017. Wetland boundaries shown are determined necessary for review and approval of the project elsewhere on the parcel that is the subject of this plan.

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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME		
LAKE PLACID, NY		
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE
SITE PLAN SOUTH

SHEET
C103



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION	LAKE PLACID, NY
----------	-----------------

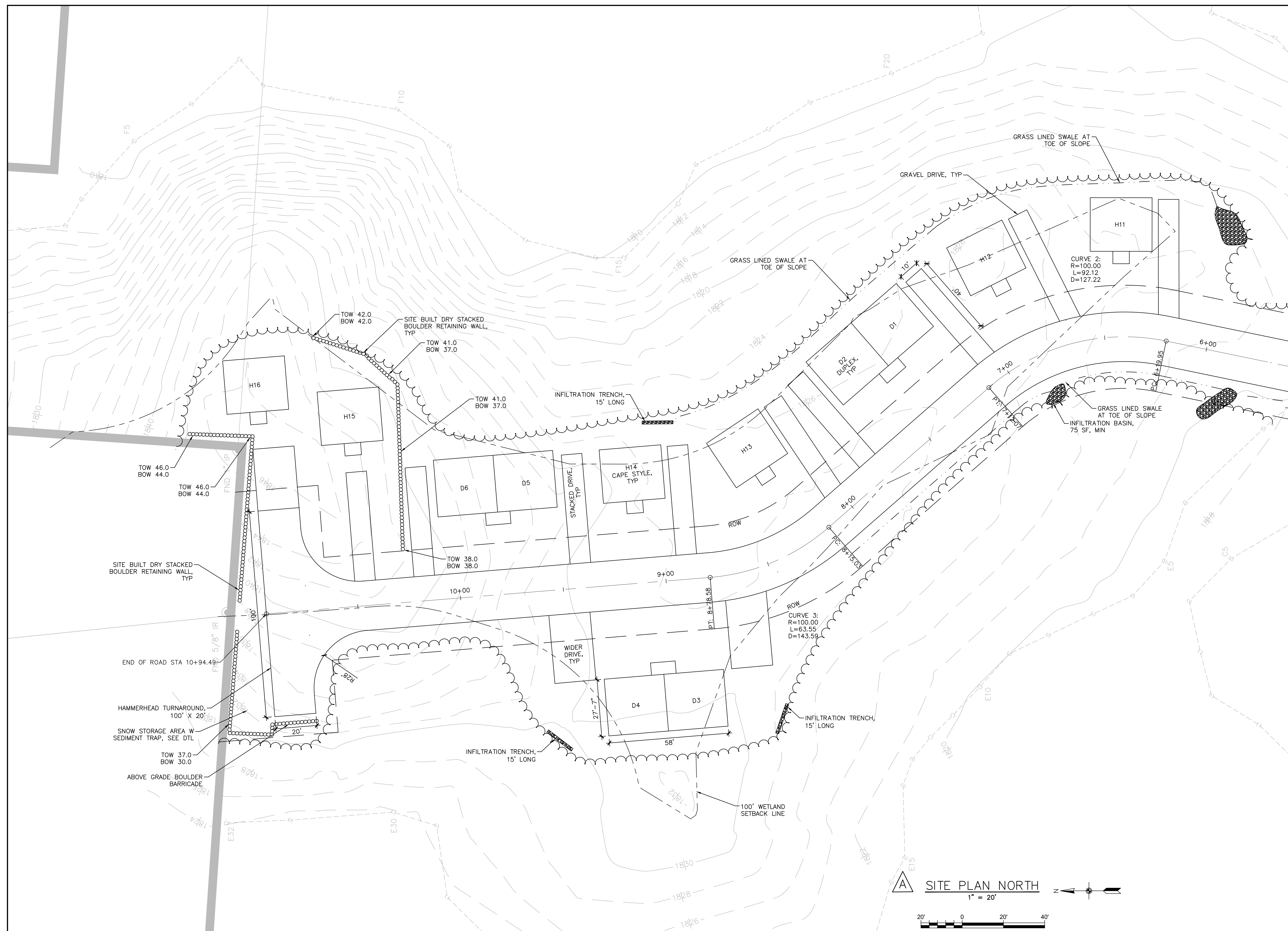
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

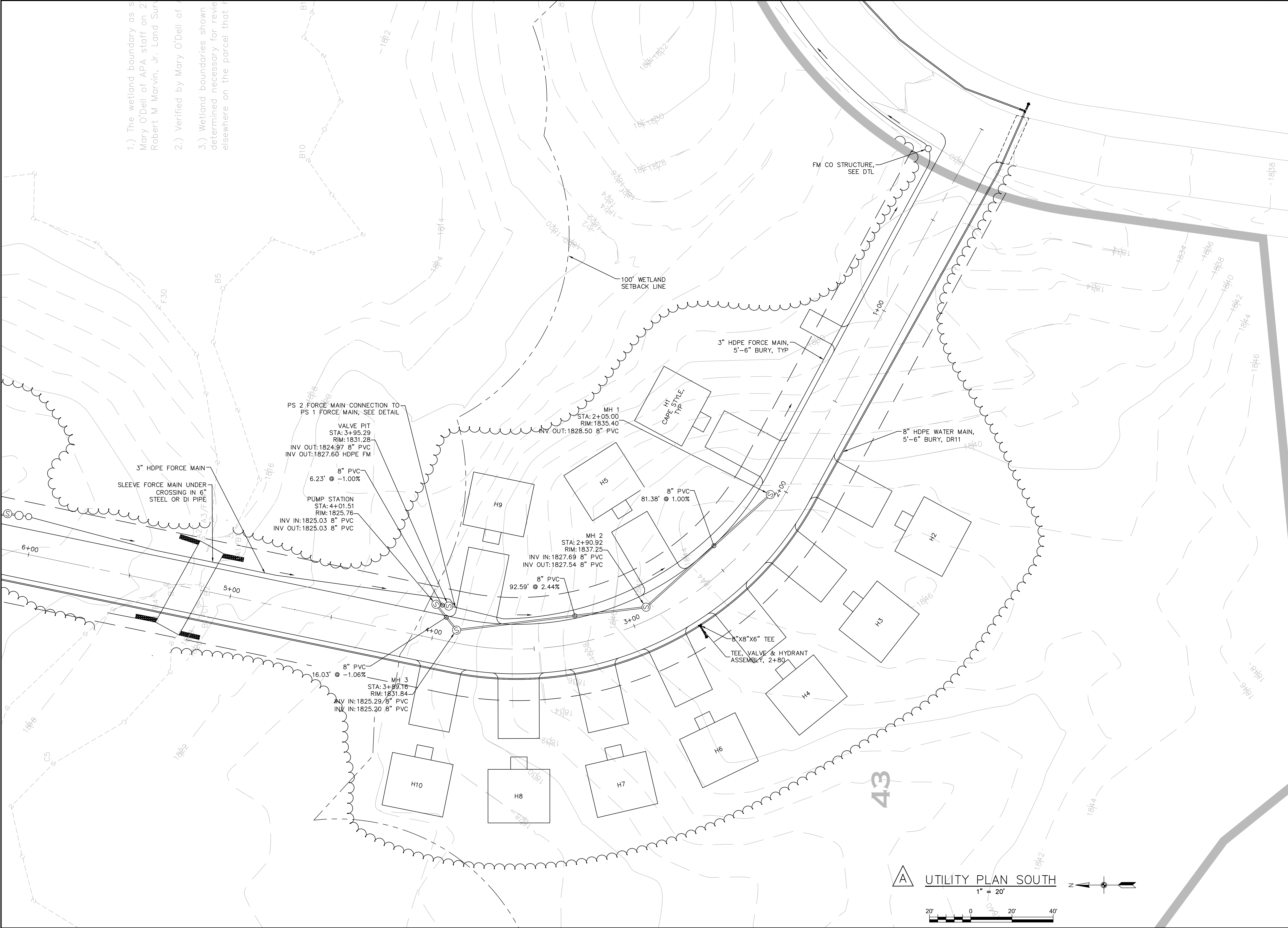
DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"
TITLE

SITE PLAN NORTH

SHEET

C104





- 1.) The wetland boundary as shown on the map is based on the data provided by Mary O'Dell of APA staff on 2/1/2018. The wetland boundary was verified by Robert M Marvin, Jr. Land Surveyor on 2/1/2018.
- 2.) Verified by Mary O'Dell of APA staff on 2/1/2018.
- 3.) Wetland boundaries shown on the map are determined necessary for review and approval by the State of New York Department of Environmental Conservation on the parcel that is the subject of this plan.

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PROJECT NAME
HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

UTILITY PLAN SOUTH

SHEET
C105

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THE DATE OF ALTERATION, AND A SPECIFIC
DESCRIPTION OF THE ALTERATION.

HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

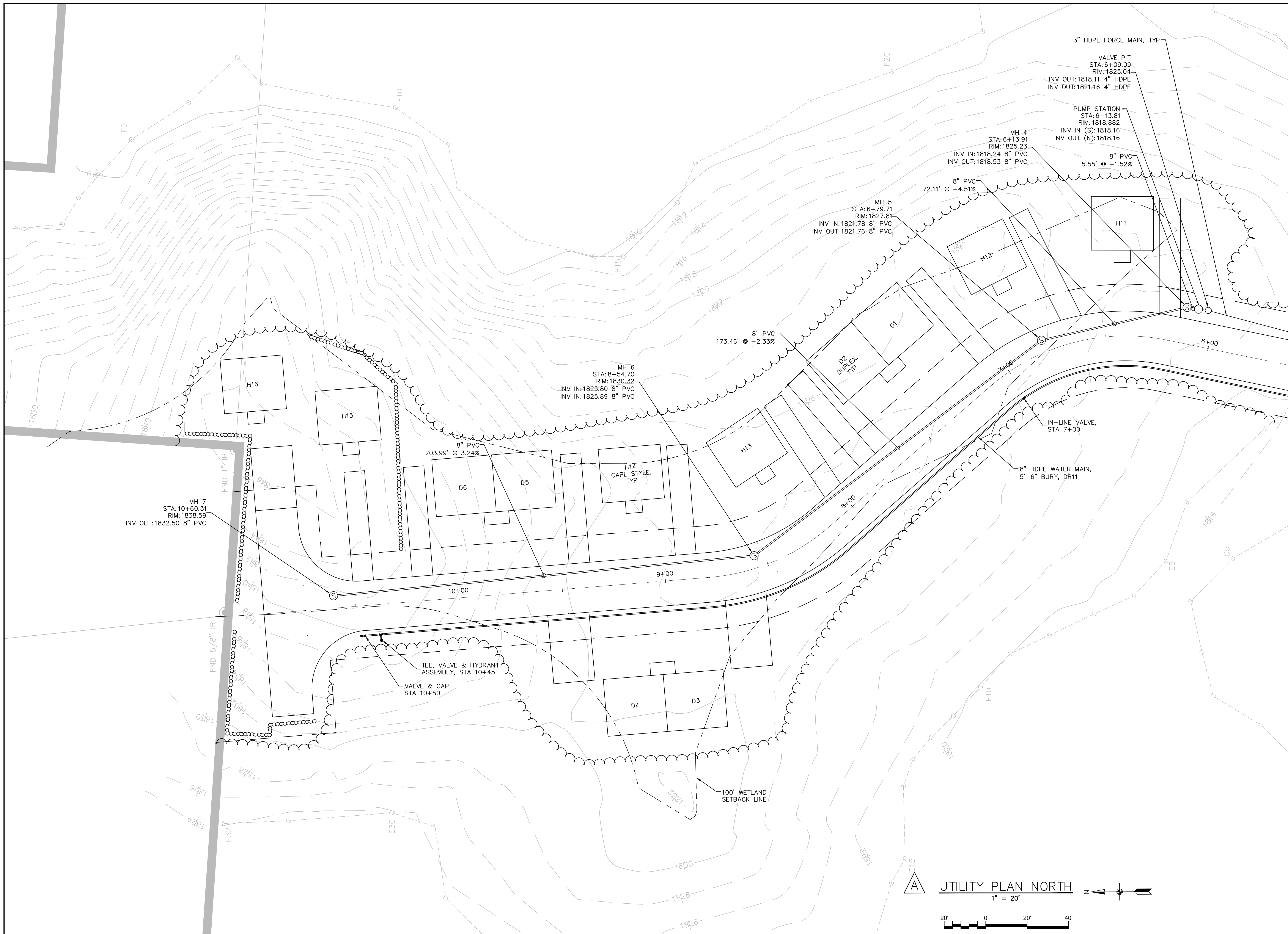
LOCATION
LAKE PLACID, NY

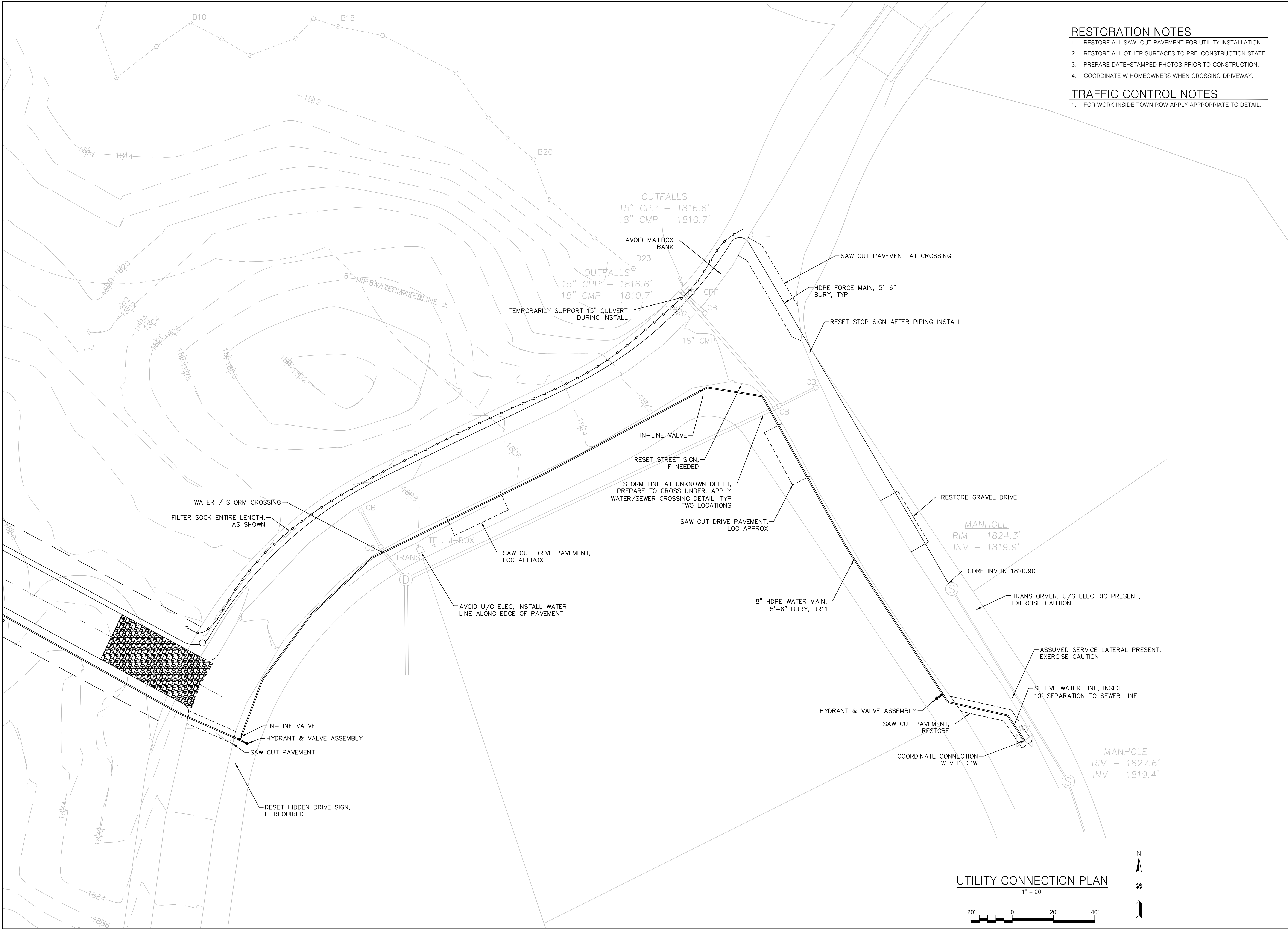
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE
UTILITY PLAN NORTH

SHEET
C106





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STATE OF NEW YORK

JOSEPH A. GARSO

075492

REGISTERED PROFESSIONAL ENGINEER

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HOMESTEAD DEVELOPMENT CORP

FOX HILL

ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

ORIGINAL 24"x36"

TITLE

UTILITY CONNECTIONS

SHEET

C107

1.) The wetland boundary as shown on the map is the property of Mary O'Dell of APA staff on 2/1/2010. Robert M. Marvin, Jr. Land Surveyor.

2.) Verified by Mary O'Dell of APA staff on 2/1/2010. Robert M. Marvin, Jr. Land Surveyor.

3.) Wetland boundaries shown on the map are determined necessary for review of the project on the parcel that is the subject of this plan.

100' WETLAND SETBACK LINE

H1 CAPE STYLE, TYP

H2

H3

H4

H5

H6

H7

H8

H9

H10

43


FINISH SLOPES 1:6 OR GREATER REQUIRE STABILIZATION MATS IAW FINAL SEEDING NOTES W/ INSTALLATION IAW MANUFACTURER'S INSTRUCTIONS, TYP OF ALL SLOPES

GRADING PLAN SOUTH

1" = 20'

20' 0 20' 40'

C108





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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
/12/25	PERMITTING	
/14/26	APA CHANGES	A

RAWN BY: RRG

HECKED BY: JAG

PROJECT #: 25-073

ORIGINAL 24"x36"

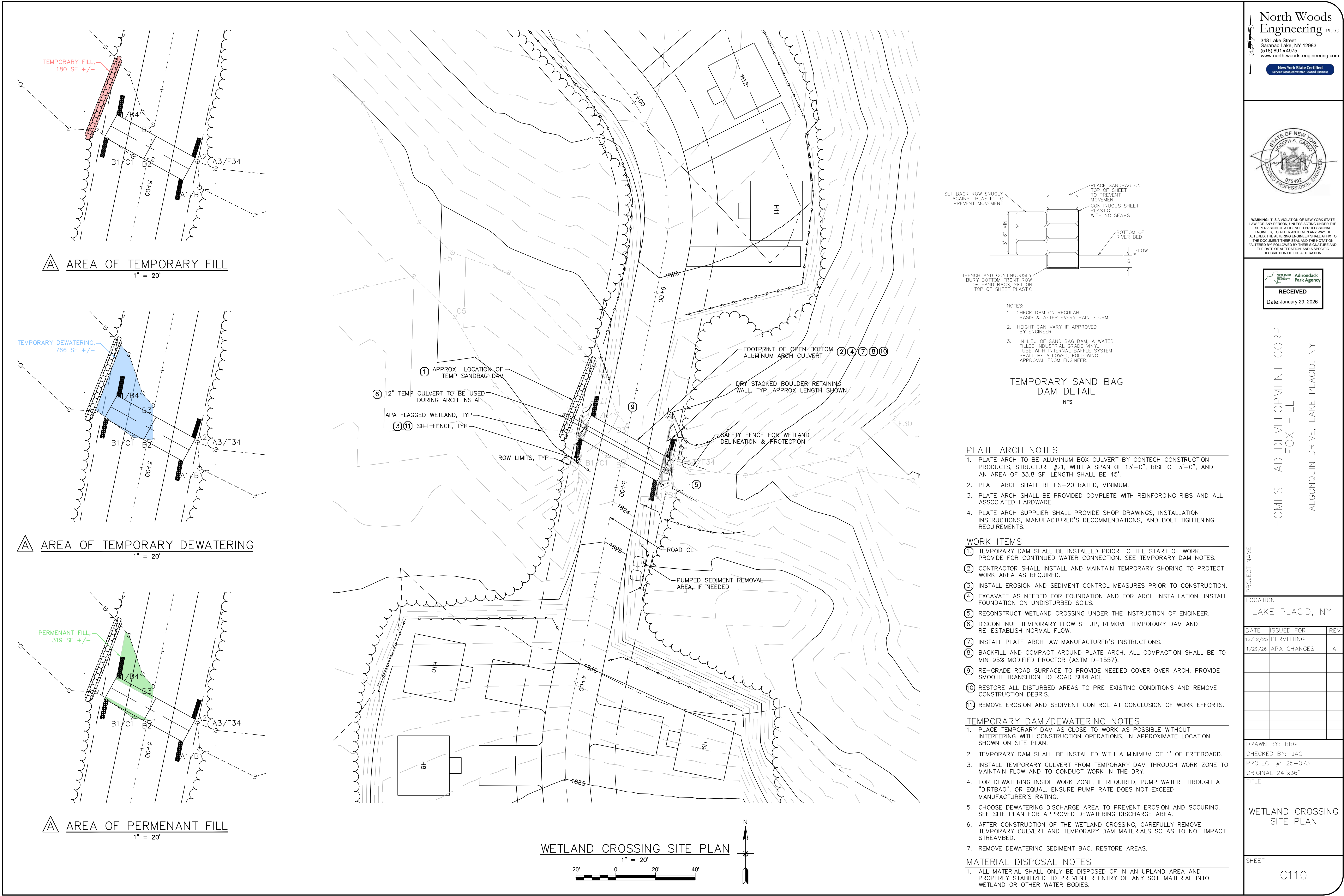
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GRADING PLAN NORTH

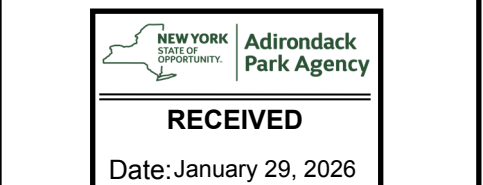
HEET

C109





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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME		
LAKE PLACID, NY		
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/29/26	APA CHANGES	A

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

WETLAND CROSSING
SITE PLAN

SHEET

C110



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

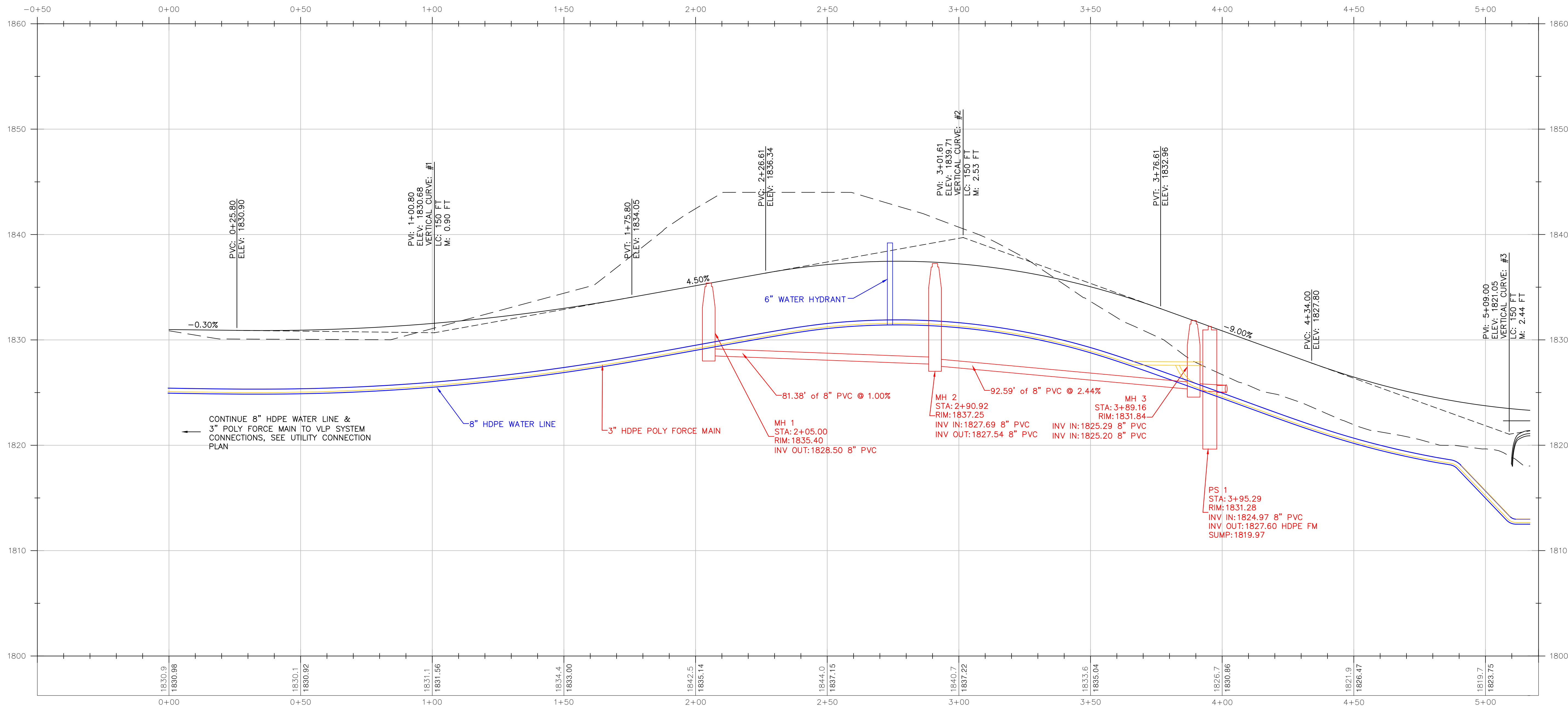
ORIGINAL 24"x36"

TITLE

ROAD PROFILE
STA 0+00-5+00

SHEET

C200



ROAD PROFILE STA: 0+00-5+00

HORIZ: 1" = 20'
VERT: 1" = 5'
H:V = 1:4



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

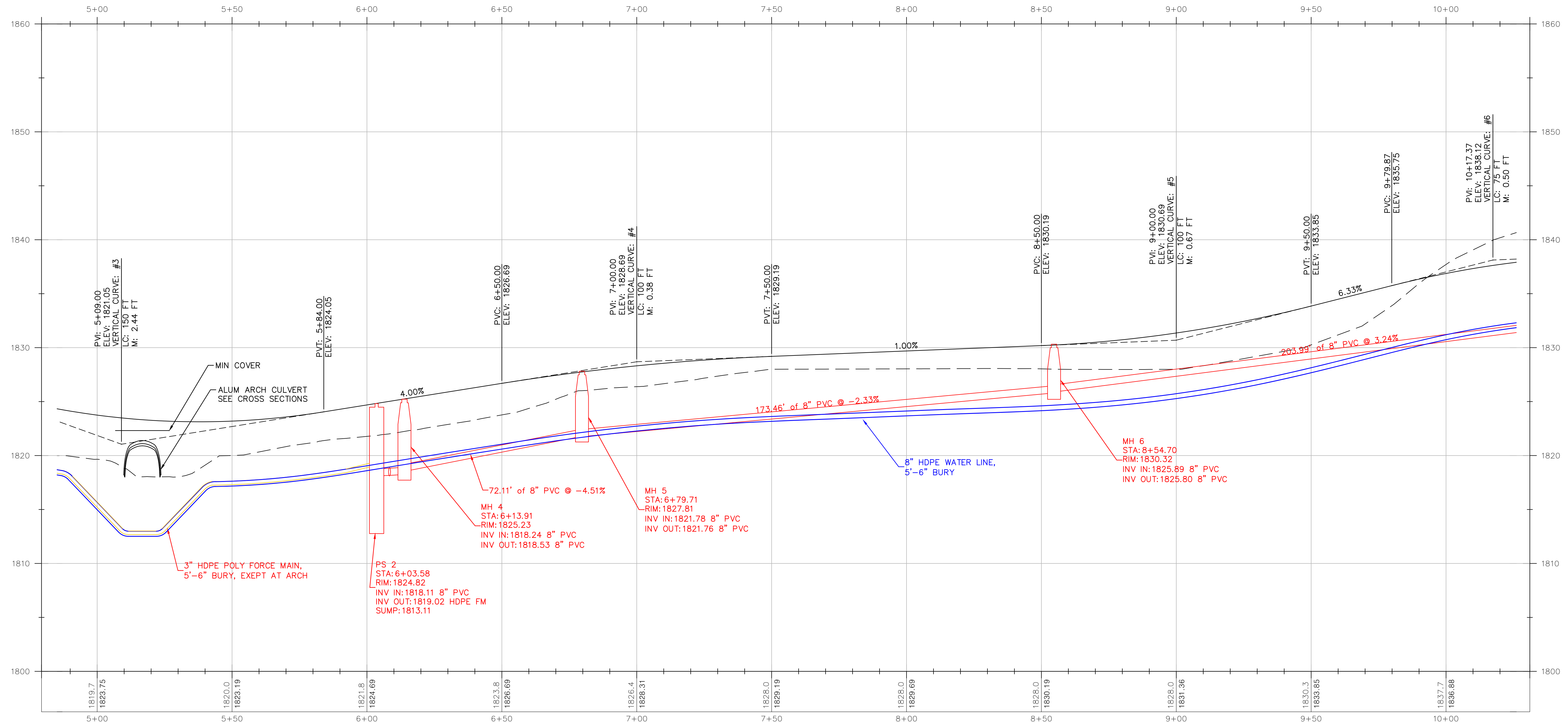
ORIGINAL 24"x36"

TITLE

ROAD PROFILE
STA 5+00-10+00

SHEET

C201





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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

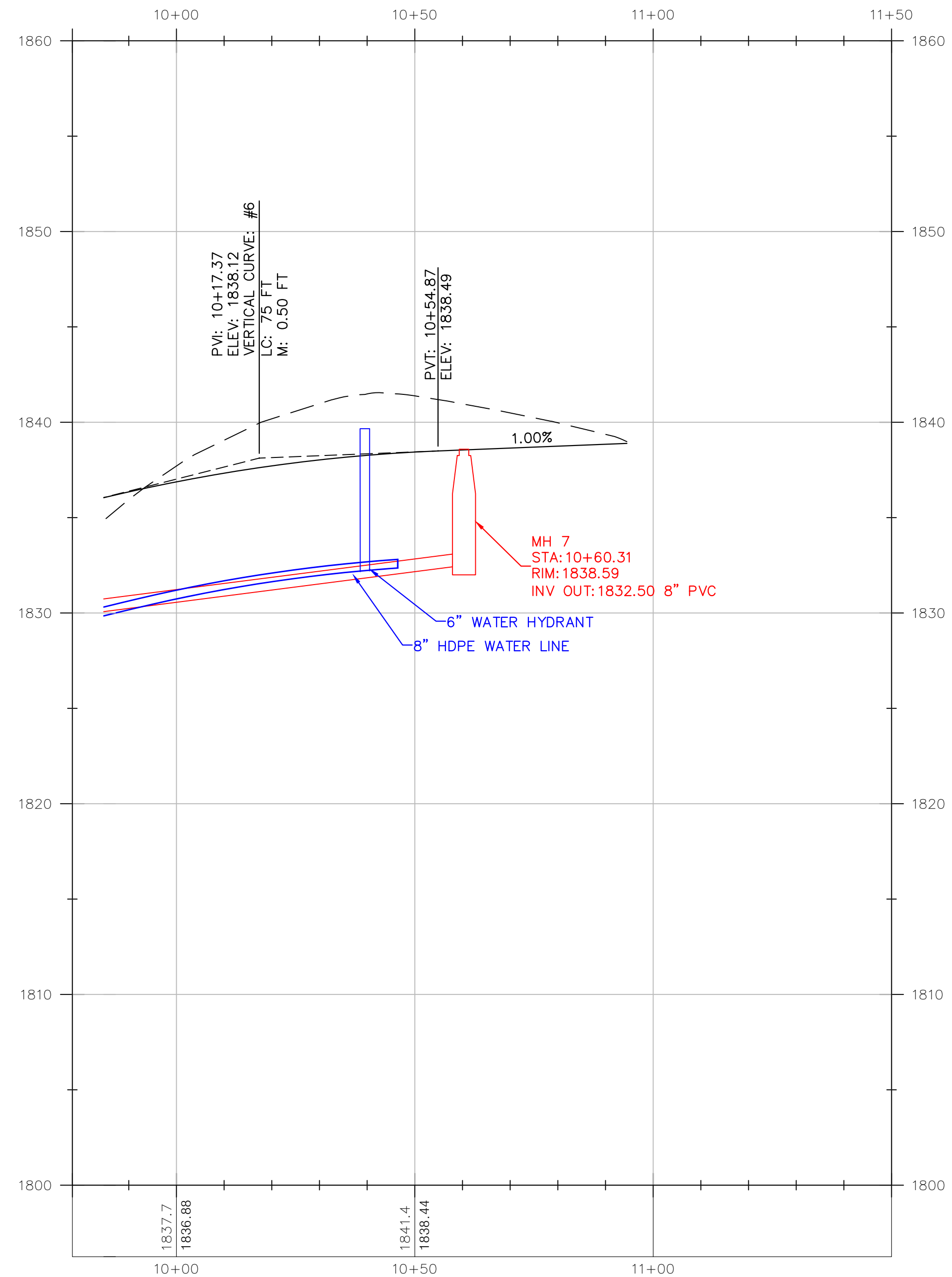
ORIGINAL 24"x36"

TITLE

ROAD PROFILE
STA 10+00 - 10+94.49

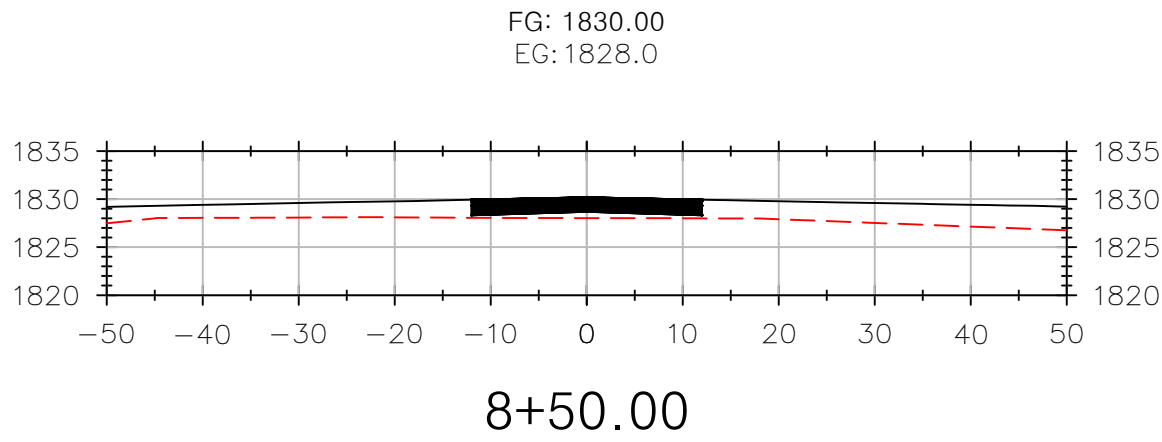
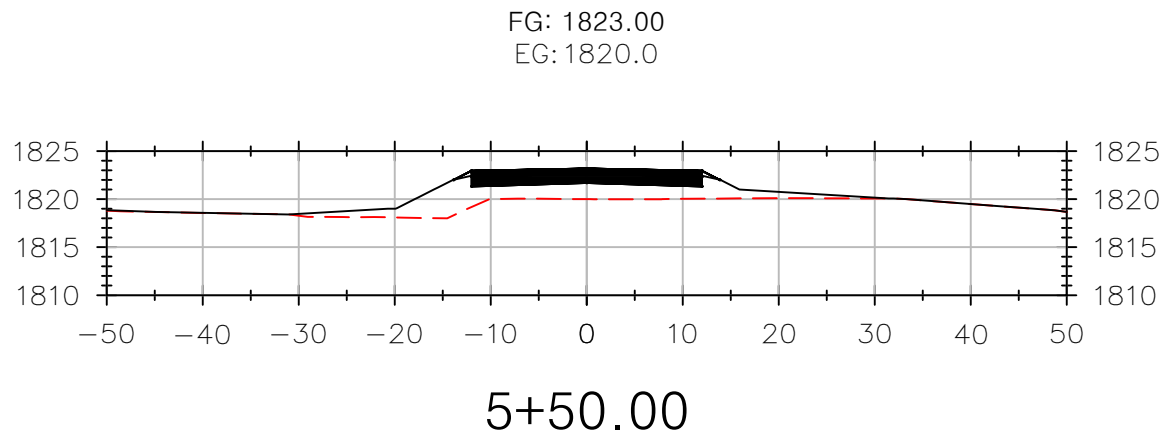
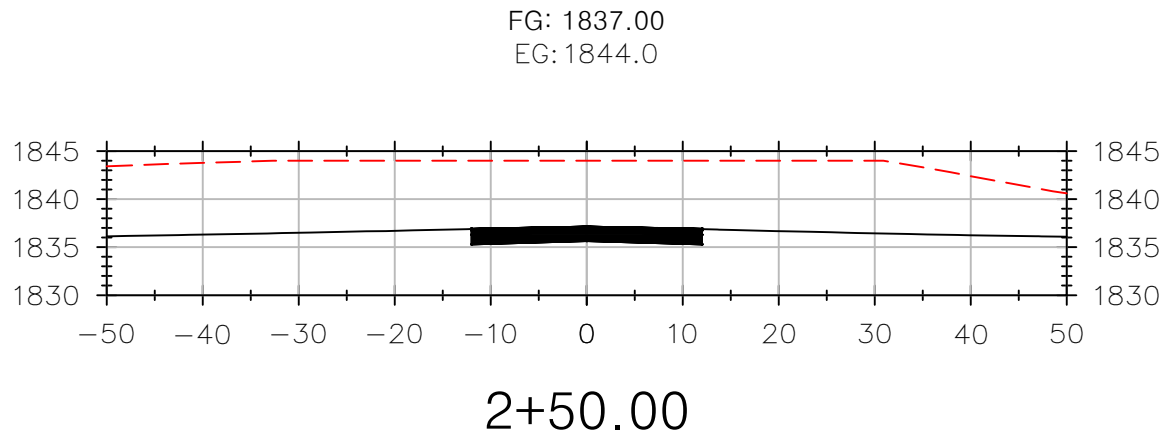
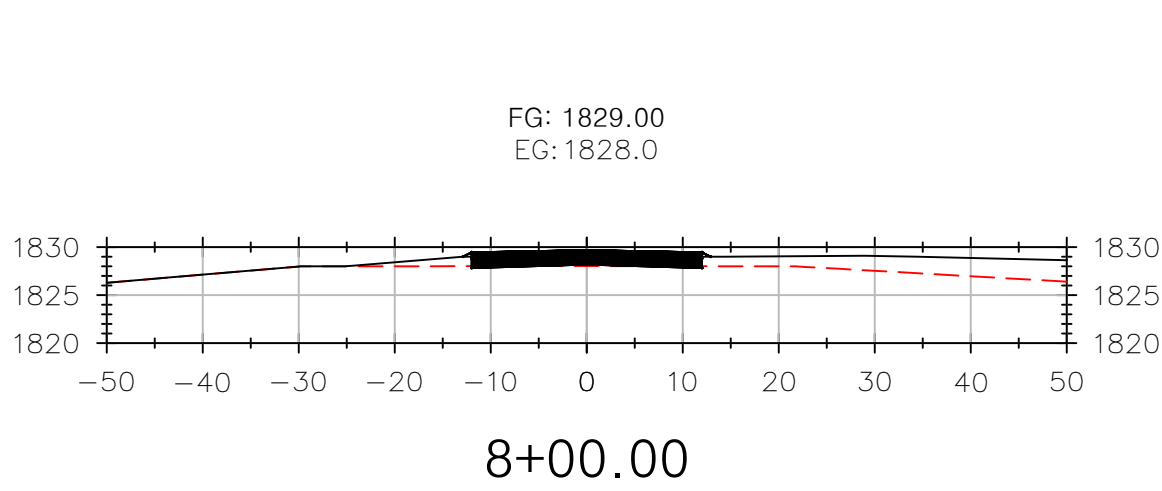
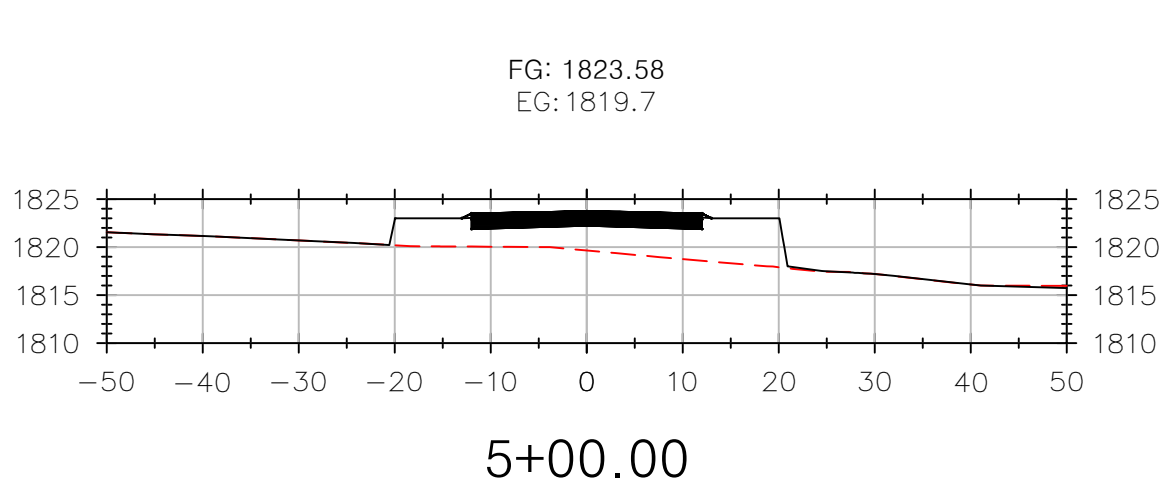
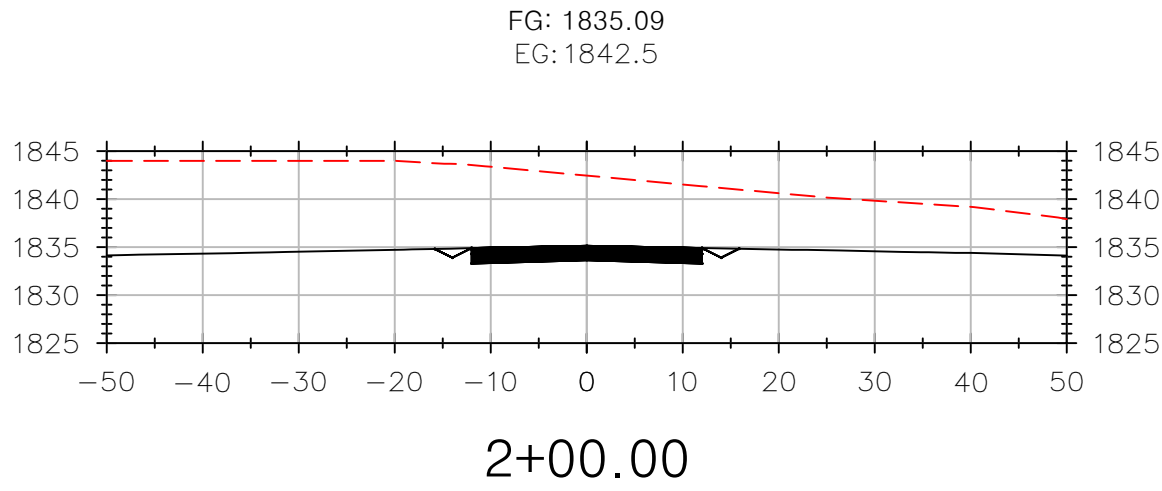
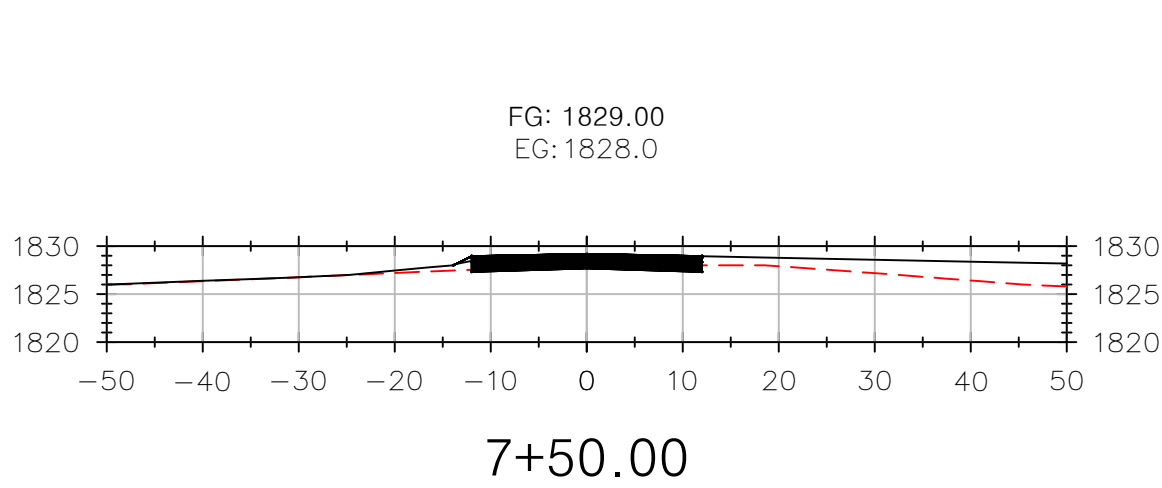
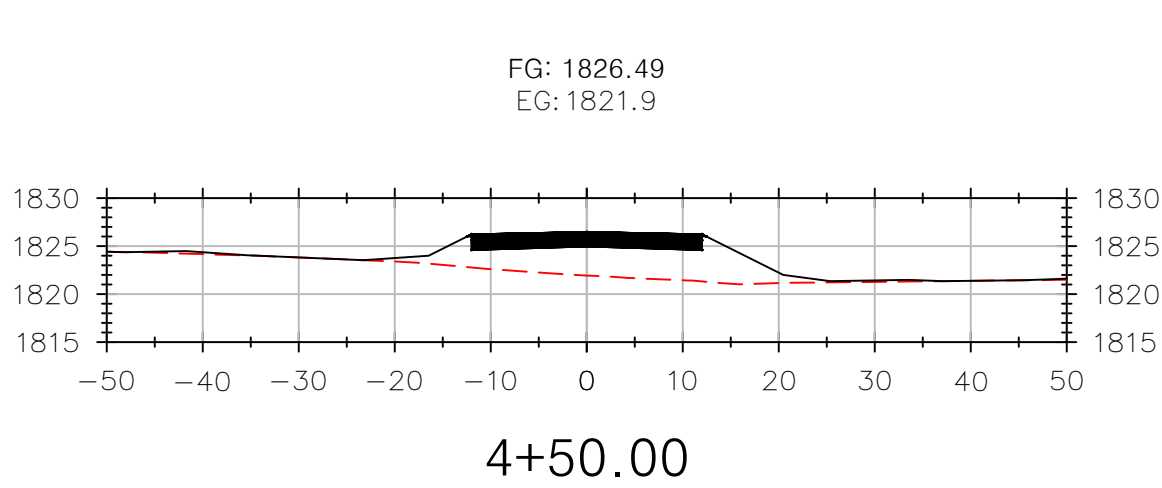
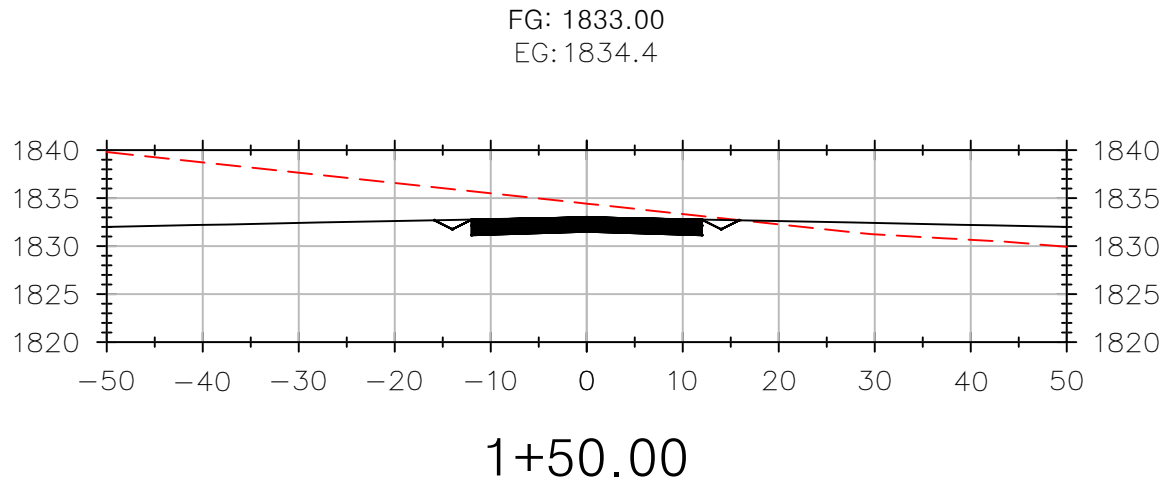
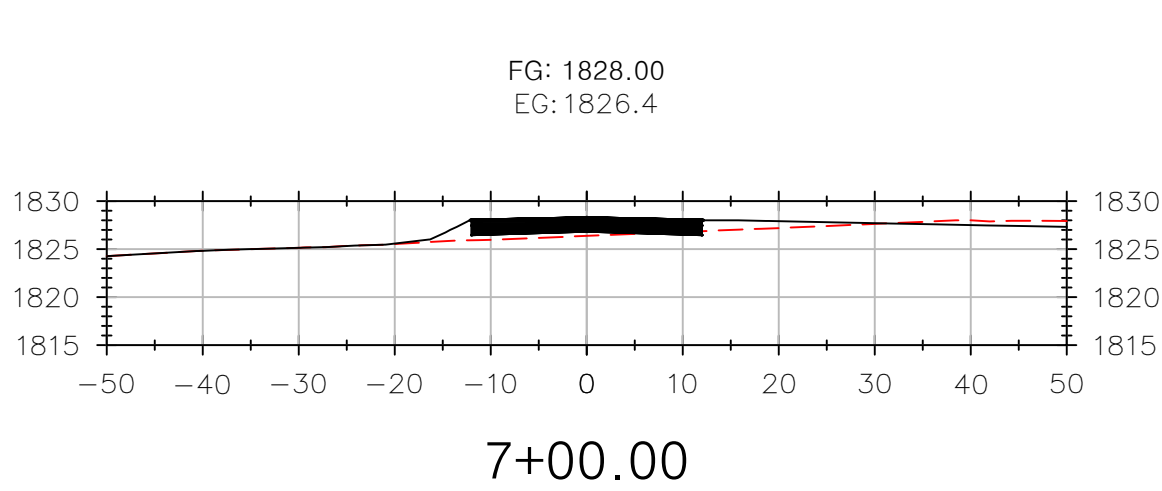
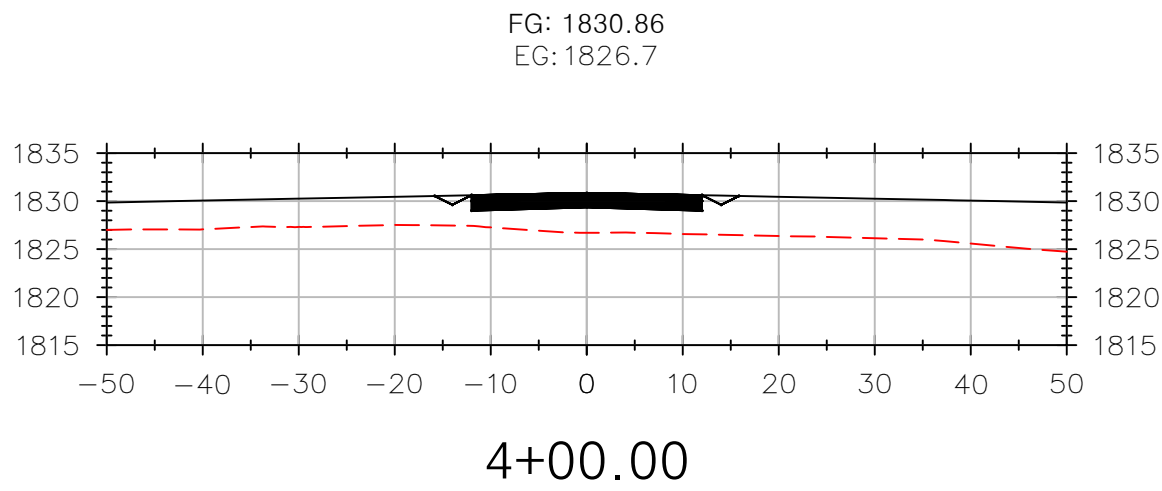
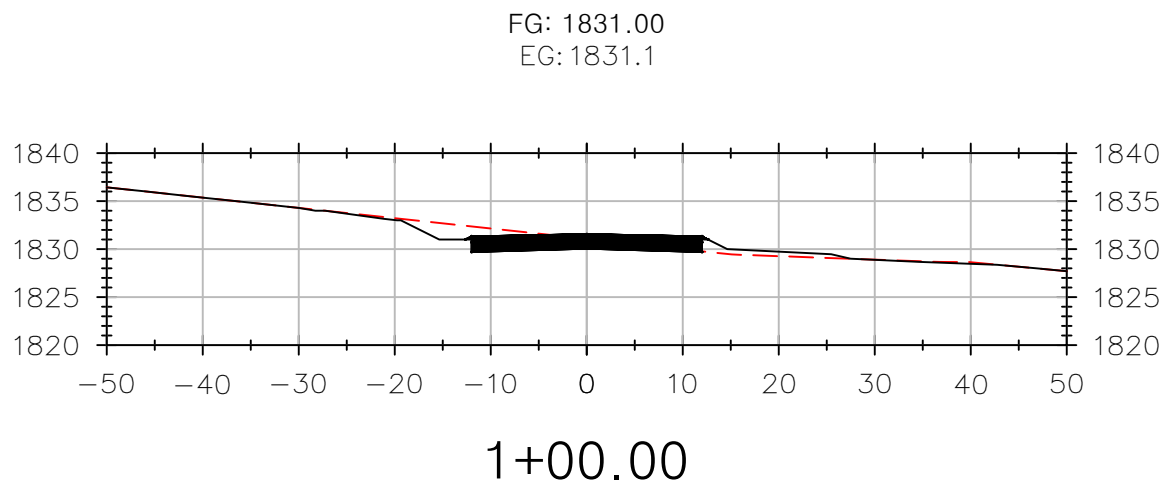
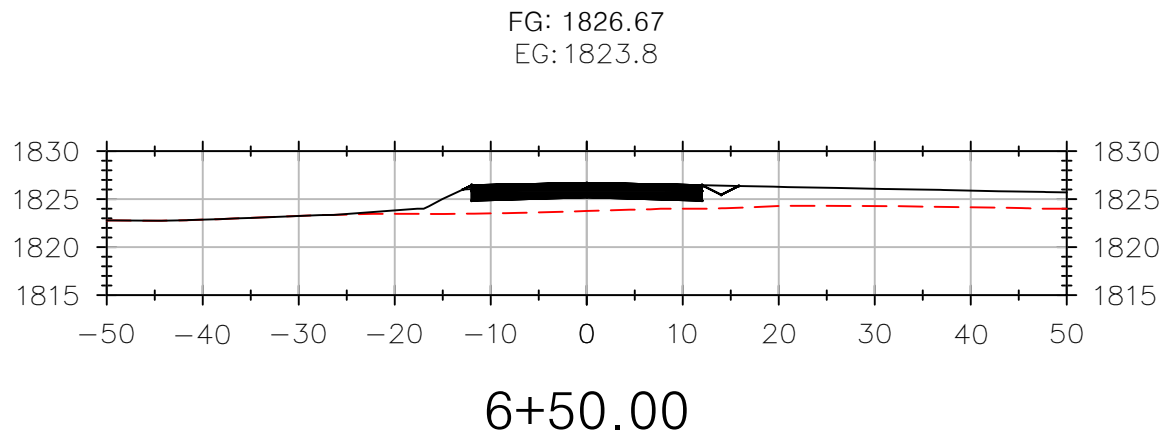
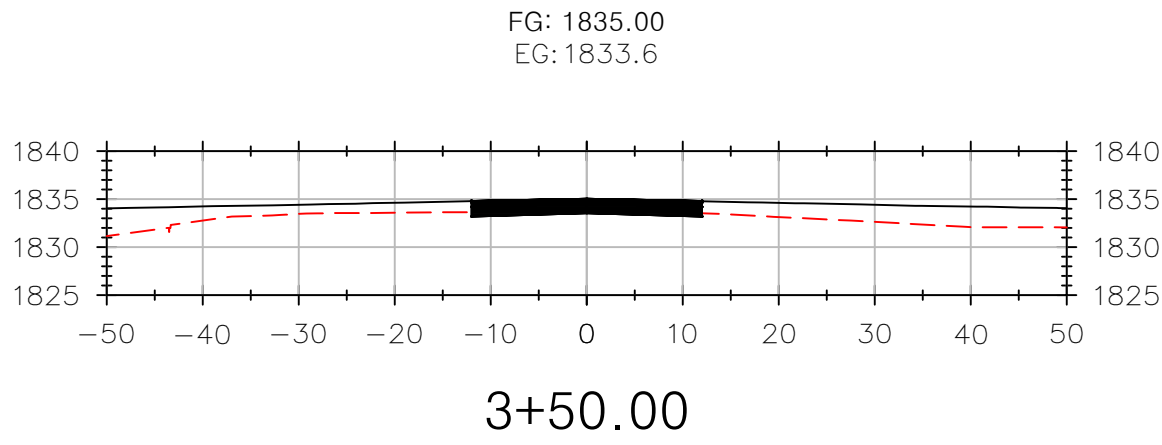
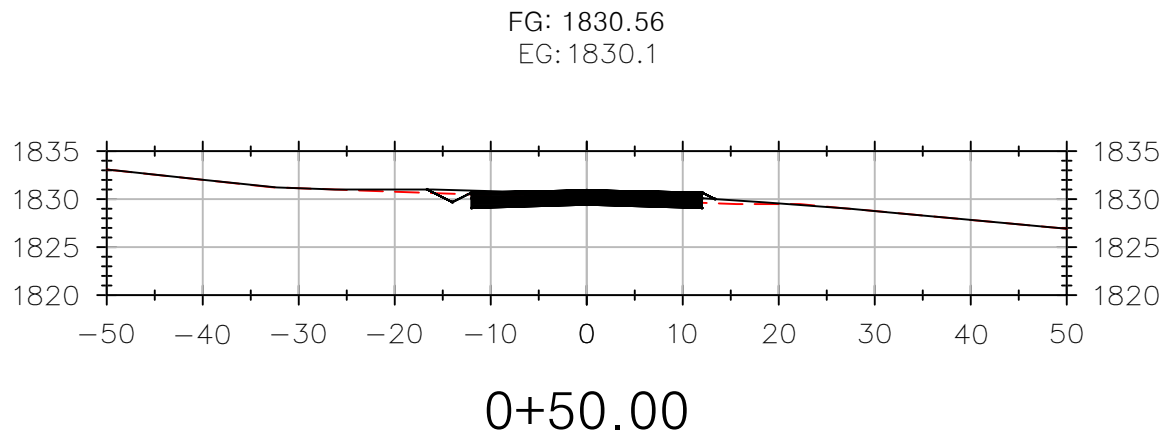
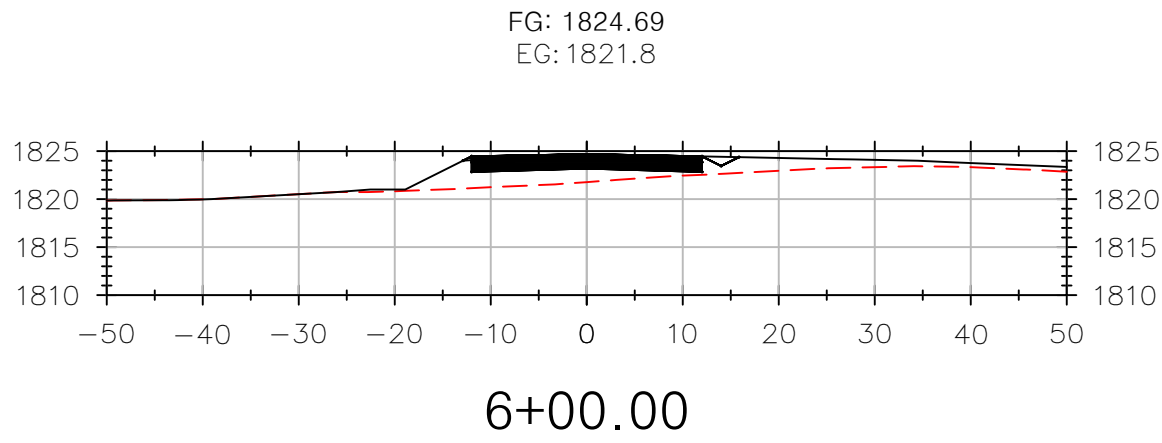
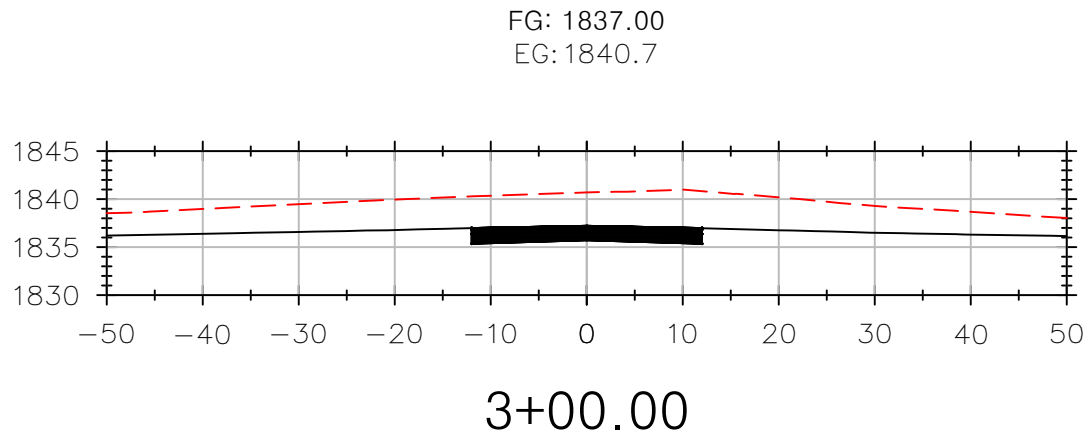
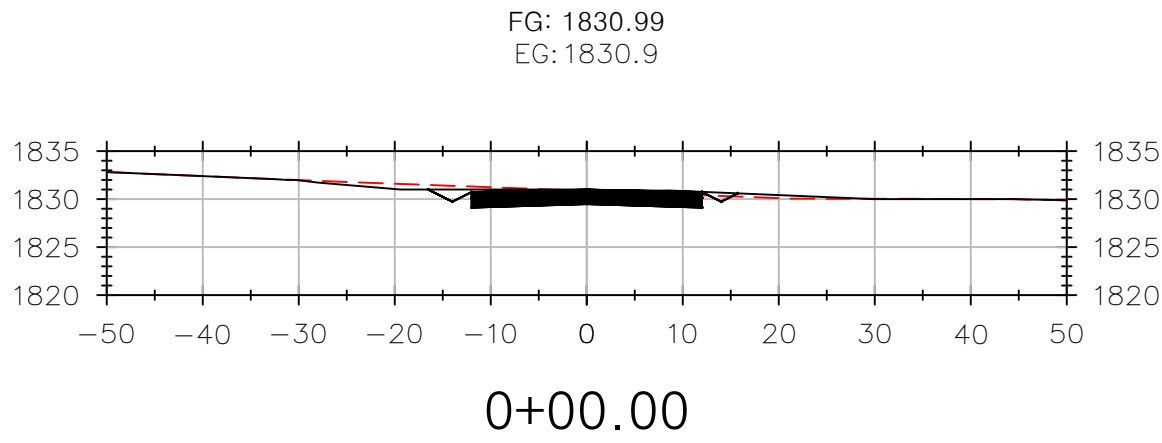
SHEET

C202



ROAD PROFILE STA: 10+00-10+94.49

HORIZ: 1" = 20'
VERT: 1" = 5'
H:V = 1:4



ROAD SECTIONS STA: 0+00-8+50
1" = 20'

North Woods
Engineering PLLC

348 Lake Street
Saranac Lake, NY 12983
(518) 891-4975
www.north-woods-engineering.com

New York State Certified
Service-Disabled Veteran-Owned Business



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

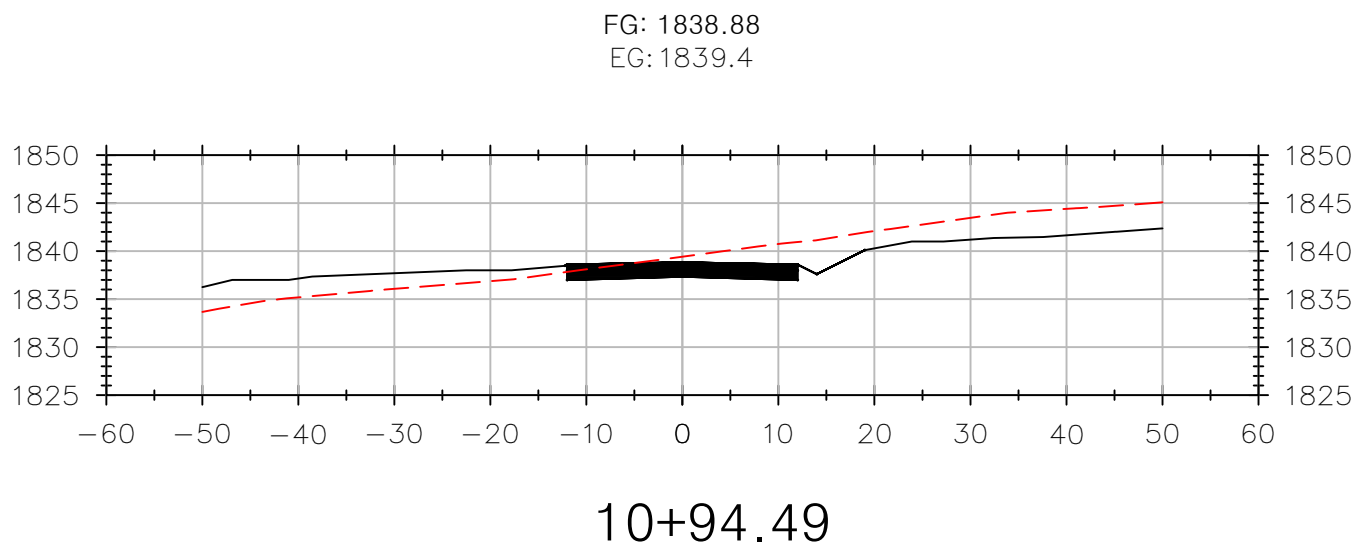
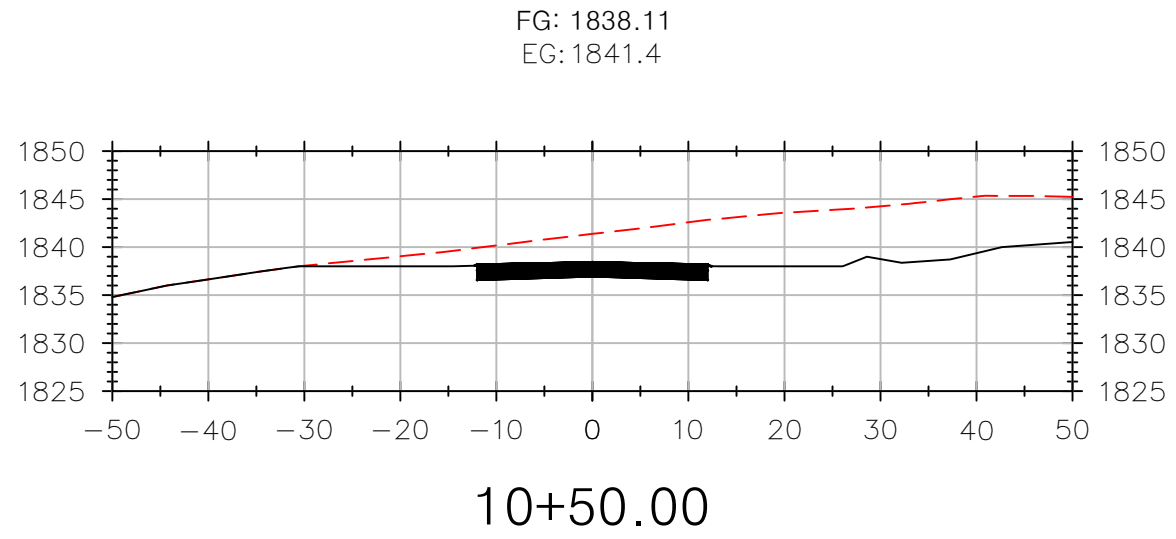
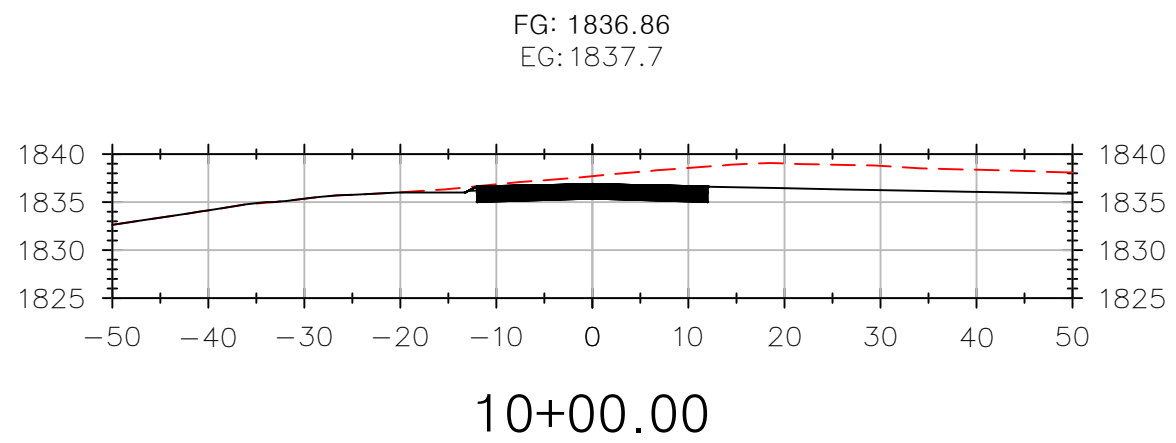
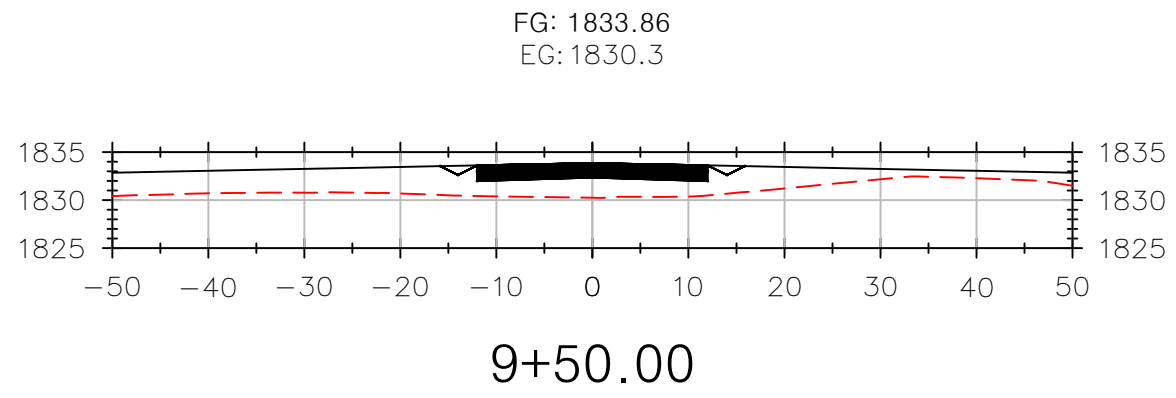
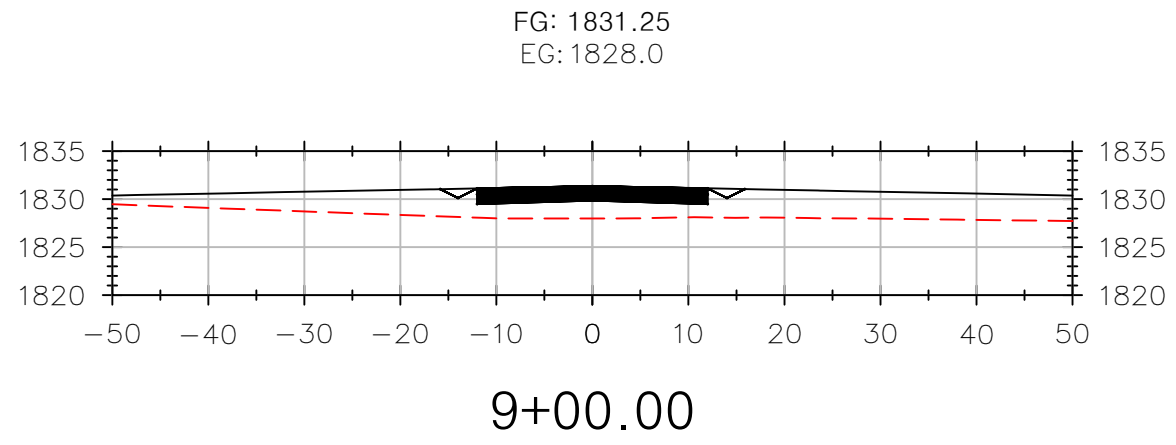
PROJECT NAME		
LOCATION		
LAKE PLACID, NY		
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

ROAD SECTIONS
STA 0+00-8+50

SHEET
C203



ROAD SECTIONS STA: 9+00-10+94.49
1" = 20'



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PROJECT NAME
HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

LOCATION
LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE
ROAD SECTIONS
STA 9+00-10+94.49

SHEET
C204



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

ORIGINAL 24"x36"

TITLE

CULVERT CROSS
SECTION & SECTIONAL
ELEVATION

SHEET

C205

GENERAL CONCRETE NOTES

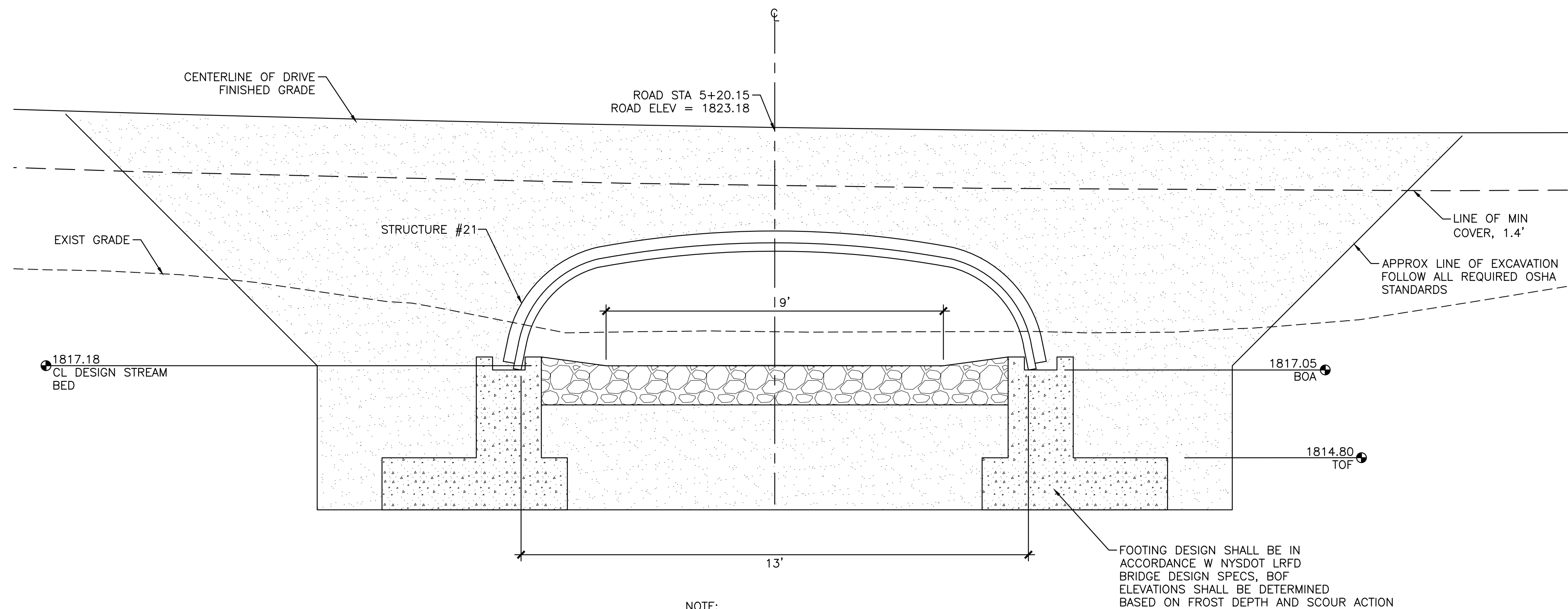
- ALL CONCRETE WORK SHALL COMPLY WITH THE LATEST RECOMMENDATIONS AND SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE LOCAL BUILDING CODES.
- ALL CONCRETE SHALL BE NORMAL WEIGHT HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, UNO, WATER CEMENT RATIO TO BE KEPT TO A MINIMUM TO ENHANCE STRENGTH.
- ALL REINFORCING STEEL SHALL COMPLY WITH ASTM 615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- LAP ALL BAR 30 DIAMETERS (MINIMUM) AT SPICES, UNO ON DRAWINGS. WELDED WIRE FABRIC TO BE LAPPED ONE FULL SPACING AT SIDES AND ENDS.
- WHERE CONTINUOUS BARS ARE SPECIFIED, INDICATED OR REQUIRED, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, DOWELED INTO INTERSECTING WALLS AND LAPPED AT NECESSARY SPICES WITH SPICES STAGGERED WHEREVER POSSIBLE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE SETTING SCREEDS AND FORMS. FORM RELEASE OIL TO BE APPROVED NON-TOXIC AND APPLIED TO FORMS PRIOR TO SET-UP.
- FOOTINGS SHALL REST ON SUITABLE UNDISTURBED SOIL OR COMPACTED GRANULAR FILL HAVING A MINIMUM BEARING CAPACITY OF 2000 PSF. ELEVATION OF FOOTINGS ARE SHOWN ON PLANS, BUT ARE SUBJECT TO REVISION WHEN TRUE SOIL CONDITIONS ARE EXPOSED BY EXCAVATION. THE ENGINEER SHALL BE NOTIFIED PROMPTLY OF ANY WEAK STRATA, WATER CONDITIONS OR OTHER POOR BEARING CONDITIONS.
- CONCRETE TEMPERATURES DURING THE FIRST SEVEN DAYS SHALL BE MAINTAINED BETWEEN 50 DEG F AND 90 DEG F. RAPID DRYING MUST BE PREVENTED.
- CONTRACTOR TO DESIGN, FURNISH AND INSTALL ALL TEMPORARY SHEETING, SHORING AND BRACING NECESSARY TO SAFELY COMPLETE THE CONSTRUCTION. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH OSHA STANDARDS.
- IF NECESSARY THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT AND CONTINUOUSLY DEWATER THE SITE TO FACILITATE THE CONSTRUCTION AND SAFE WORKING CONDITIONS.

MATERIAL NOTES

- GRANULAR BEDDING TO BE NYSDOT ITEM 304.14 UNLESS SUITABLE SUBGRADE IS ENCOUNTERED. NOTIFY ENGINEER.
- SELECT STRUCTURAL FILL TO BE NYSDOT ITEM 304.14.

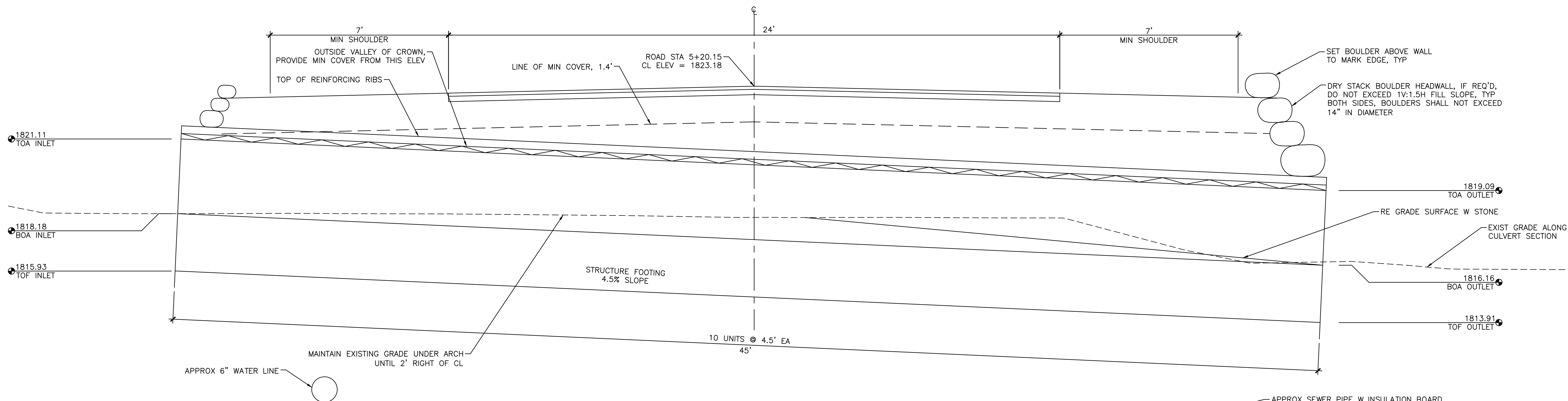
PLATE ARCH INSTALLATION NOTES

- EXCAVATE AND PREPARE FOUNDATION SUBGRADE. INSTALL CONCRETE FOUNDATION.
- BACKFILL FOUNDATION WITH SELECT STRUCTURAL FILL BACKFILL MATERIAL. BACKFILL MUST BE PLACED SYMMETRICALLY ON EACH SIDE OF THE FOUNDATION IN 6" TO 8" LOOSE LIFTS. COMPACT EACH LIFT TO MINIMUM 95% MODIFIED PROCTOR.
- INSTALL STREAMBED STONES TO ELEVATION AS SHOWN.
- SLOWLY RELEASE WATER FROM TEMPORARY DAM. MONITOR RELEASE OF WATER TO CONTROL SEDIMENT MOVEMENT. CONTINUE BYPASS FLOW UNTIL WATER IS FULLY FLOWING SAFELY THROUGH STRUCTURE.
- INSTALL ALUMINUM PLATE ARCH STRUCTURE.
- INSTALL SELECT STRUCTURAL FILL BACKFILL MATERIAL. BACKFILL MUST BE PLACED SYMMETRICALLY ON EACH SIDE OF THE CULVERT IN 6" TO 8" LOOSE LIFTS. COMPACT EACH LIFT TO MINIMUM 95% MODIFIED PROCTOR. SEE SECTION AND PROFILE FOR BACKFILL DEPTH AT STRUCTURE CROWN. DO NOT EXCEED 5' DEPTH OF BACKFILL AT STRUCTURE CROWN.
- DO NOT LOAD STRUCTURE UNTIL MINIMUM OF 1.4' OF BACKFILL IS ACHIEVED.



CROSS SECTION ALONG ROAD CENTERLINE

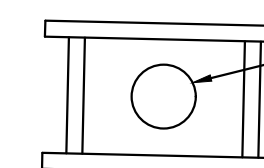
$\frac{1}{2}" = 1'$



CULVERT SECTIONAL ELEVATION

$\frac{1}{2}" = 1'$

NOTE:
SECTIONAL ELEVATION IS ALONG CL OF ARCH



APPROX SEWER PIPE W INSULATION BOARD

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.

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.

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.

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 SEEDDED.
- 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 50-70% 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 JUTE MATTING OR CURLEX NETFREE BY AEC
 - 7.2 1:3 TO 1:1.5 AEC PREMIER STRAW / COCONUT FIBERNET 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".

SAFETY FENCE NOTES

- 1. SAFETY FENCE IS ALSO KNOWN AS ORANGE CONSTRUCTION FENCE.
- 2. FENCE MATERIAL SHALL BE ORANGE MESH FENCE, WITH A MESH SIZE OF 1.75"x1.75". MSC TENAX SNOW GUARD OR EQUAL.
- 3. FENCE SHALL BE 4' TALL.
- 4. USE LIGHT METAL POSTS OR METAL T-POST. SET 10' OC MAX. POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 6".
- 5. FASTEN FENCING TO POST WITH MINIMUM OF THREE FASTENERS.
- 6. MAINTAIN FENCE FOR DURATION OF JOB. REPAIR AS REQUIRED.
- 7. TO CONNECT FENCE SECTIONS, OVERLAP TWO ENDS AND WEAVE A WOOD SLAT THROUGH THE OVERLAPPED STRANDS.



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

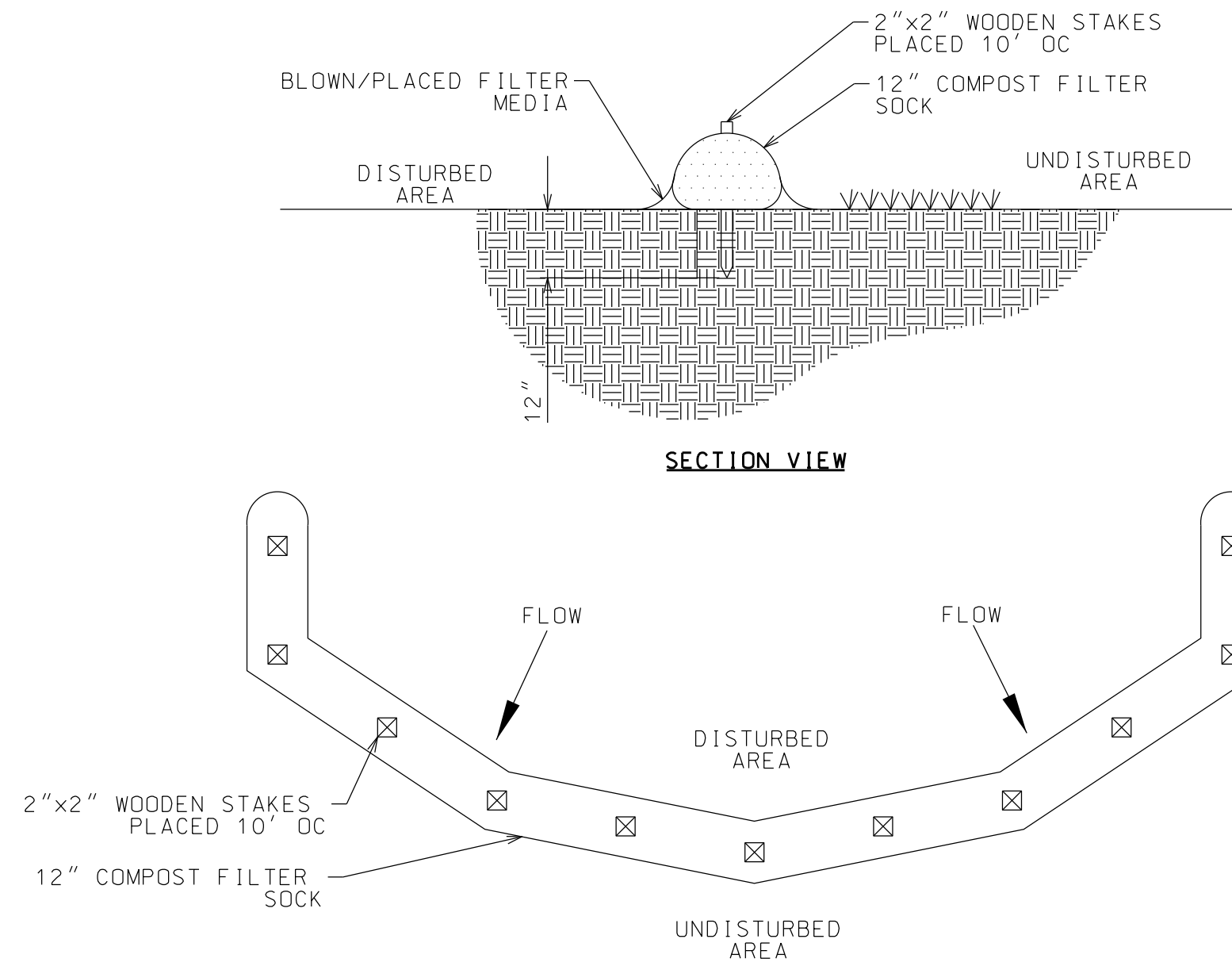
LOCATION

LAKE PLACID, NY		
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

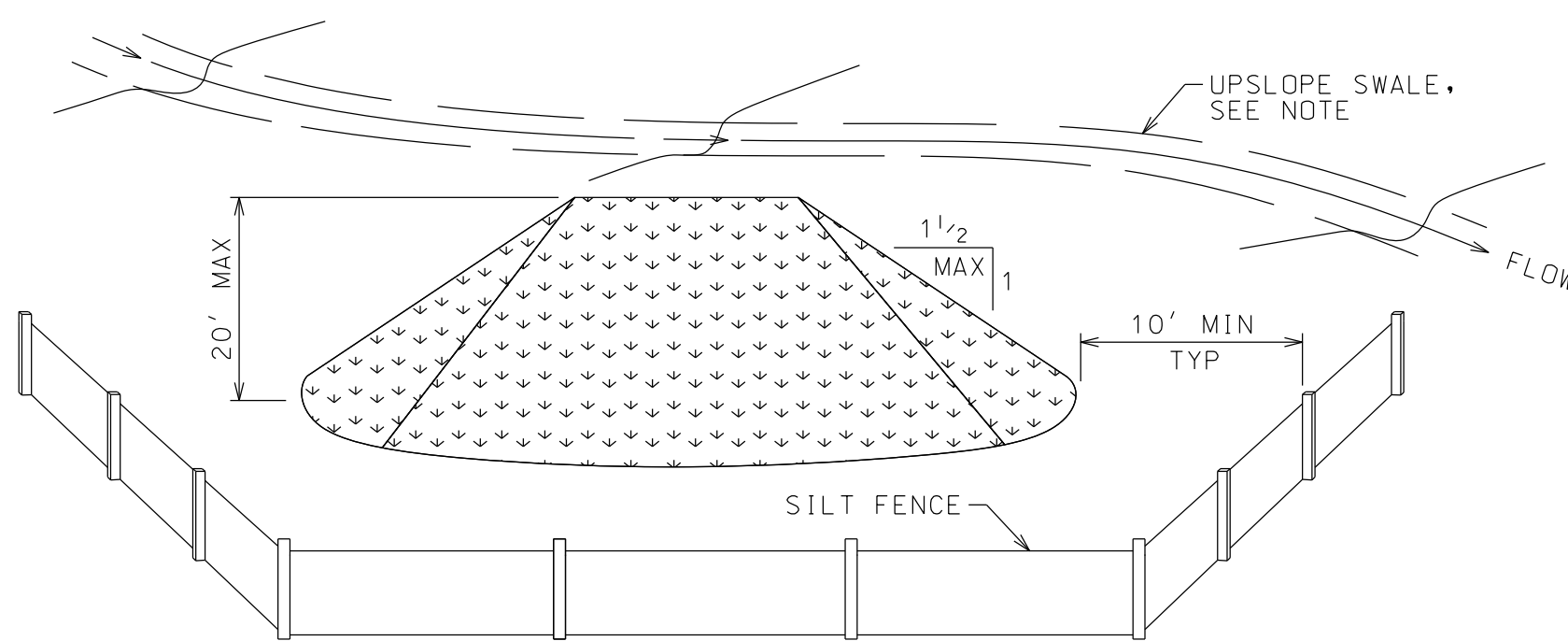
ESC NOTES



- 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 EROSION 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

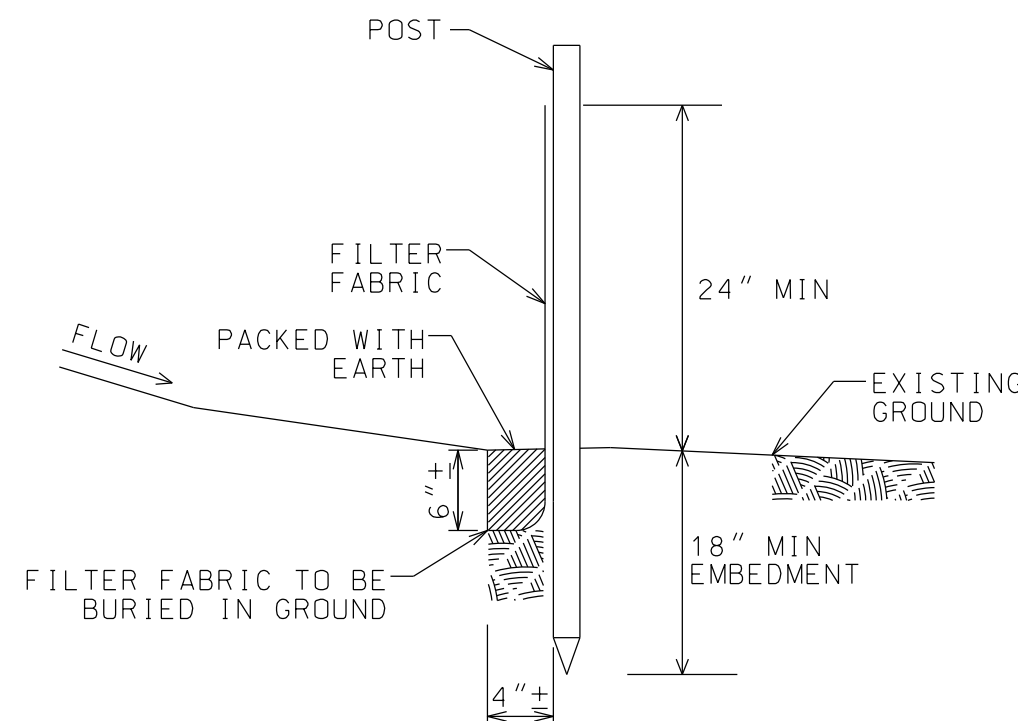
NTS



- 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 REMAIN LONGER THAN 2 WEEKS SHALL HAVE THIS DETAIL APPLIED.

TEMPORARY STOCKPILE

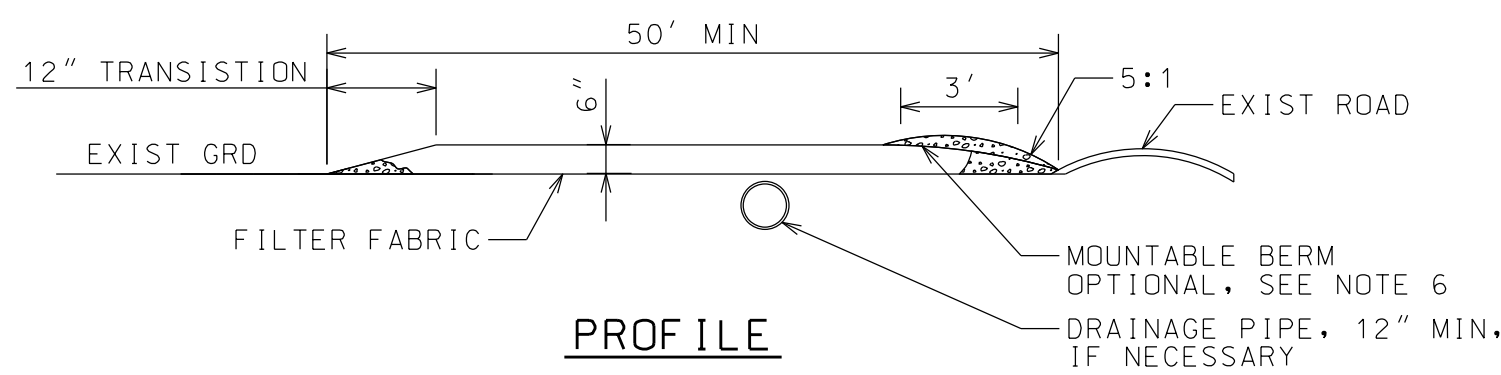
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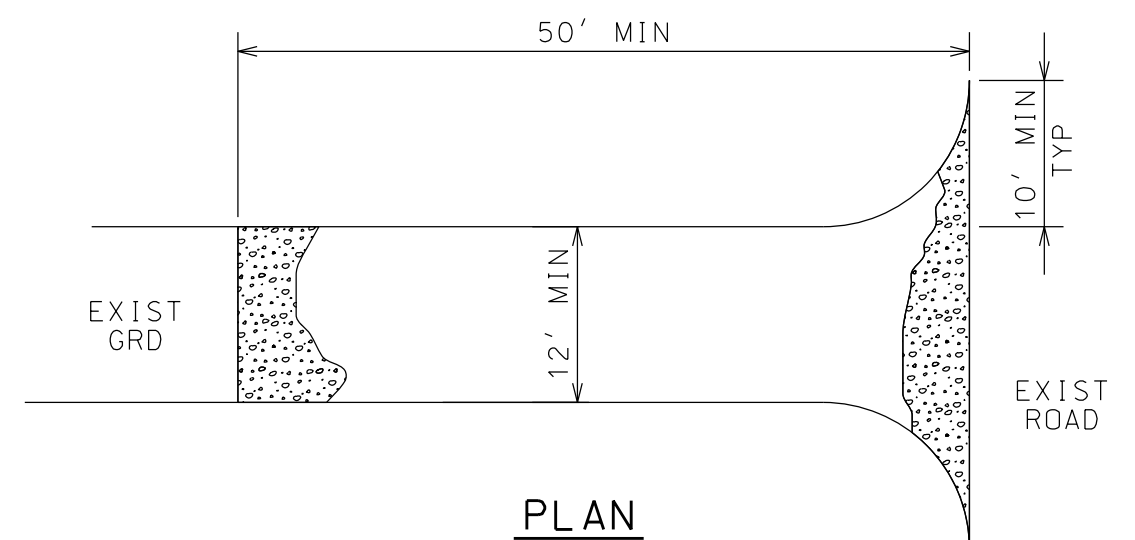
SILT FENCE DETAIL

NTS

- 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 SECURED FASTENED TO SUPPORT POSTS.
 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 EITHER T OR U TYPE 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.



PROFILE

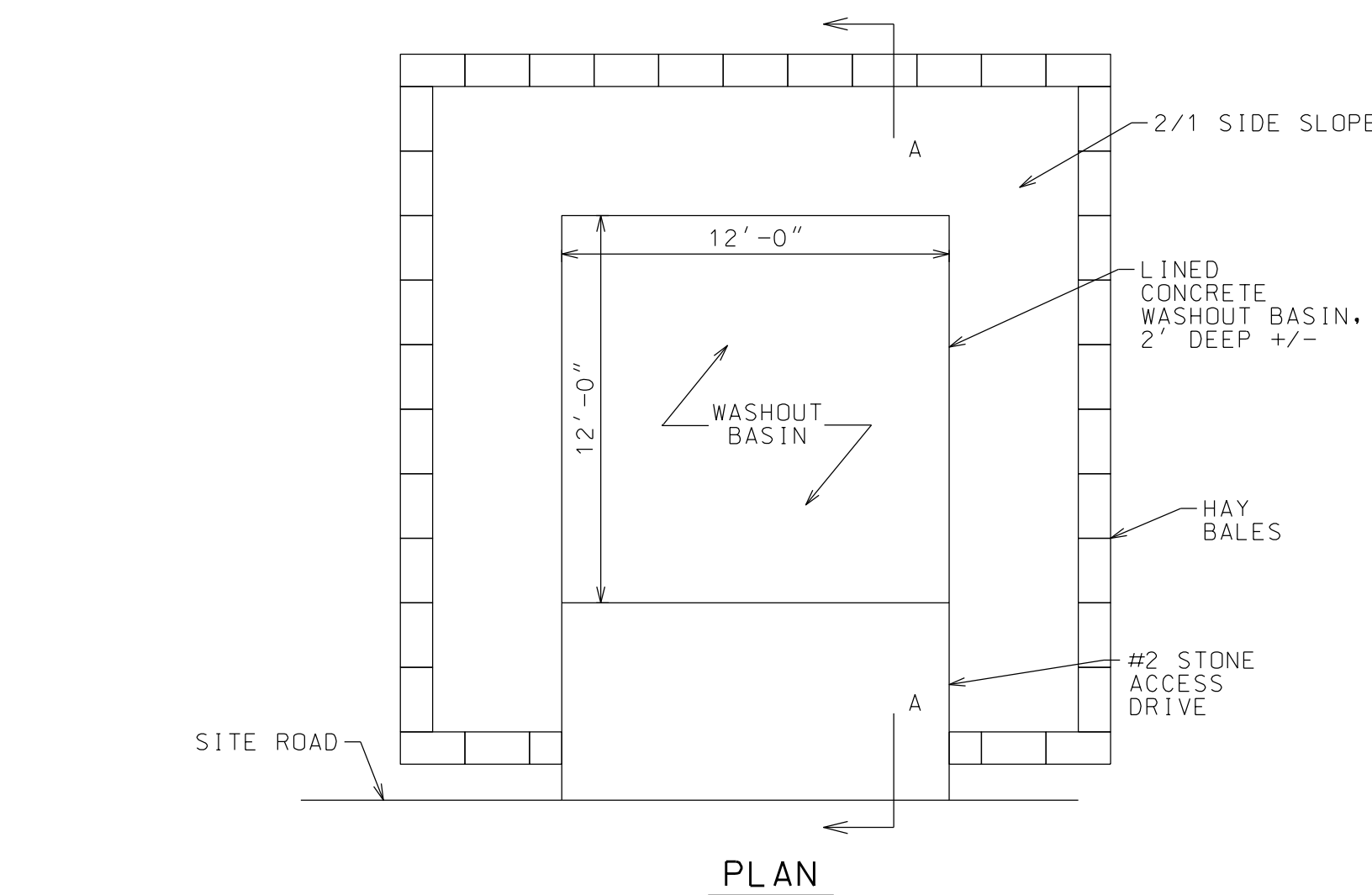


PLAN

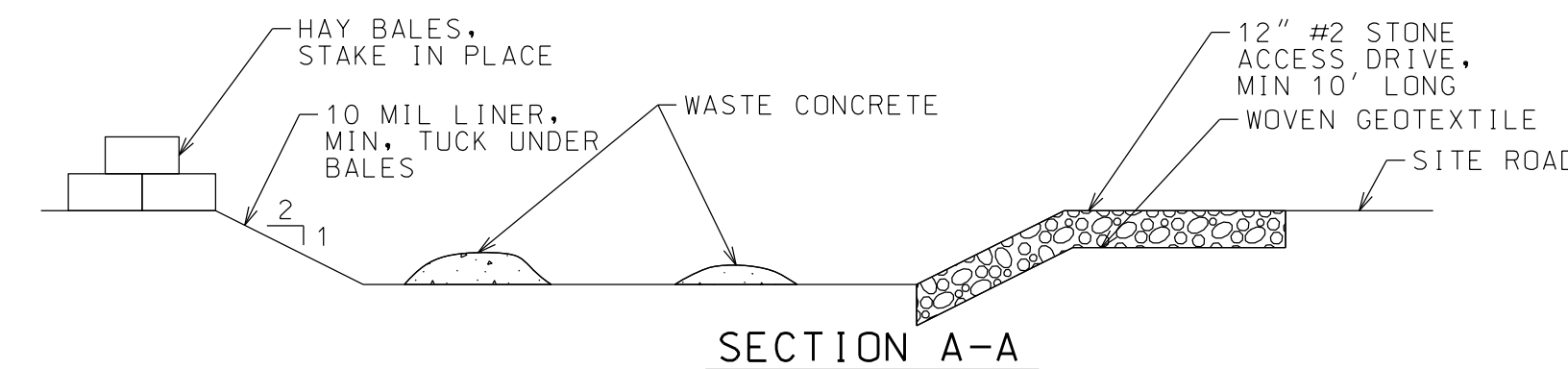
- NOTES:**
1. PREPARATION - THE CONTRACTOR SHALL GRADE TO PREPARE AND SMOOTH ORIGINAL GRADE FOR PLACEMENT OF STONE UP TO THE EDGE OF PAVEMENT.
 2. STONE SIZE - USE 1" - 4" STONE, NYSDOT #3 STONE.
 3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT 30 FEET MINIMUM ON A SINGLE RESIDENCE LOT).
 4. THICKNESS - NOT 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

NTS



PLAN

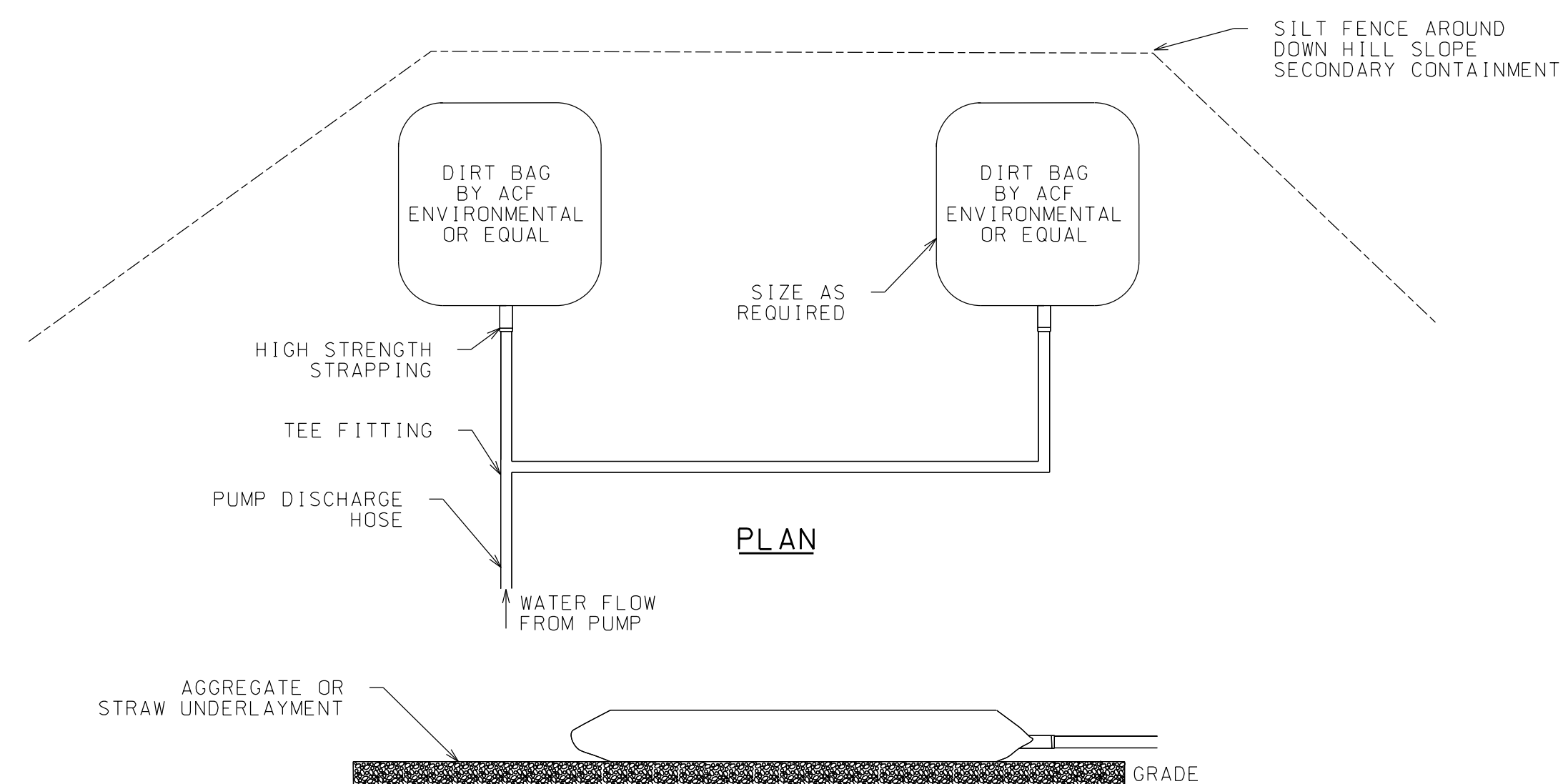


SECTION A-A

- 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

NTS



PLAN

SIDE VIEW

PUMPED SEDIMENT REMOVAL SYSTEM

NTS

North Woods Engineering P.L.L.C.

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Saranac Lake, NY 12983
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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION
LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

ESC DETAILS

SHEET

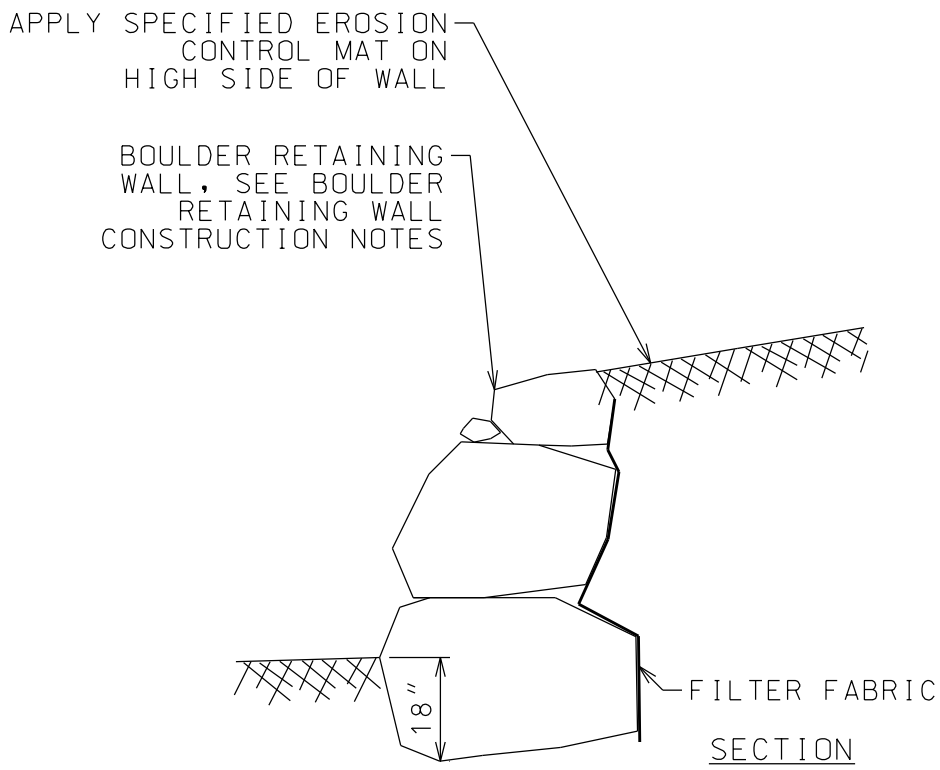
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BOULDER RETAINING WALL CONSTRUCTION NOTES:

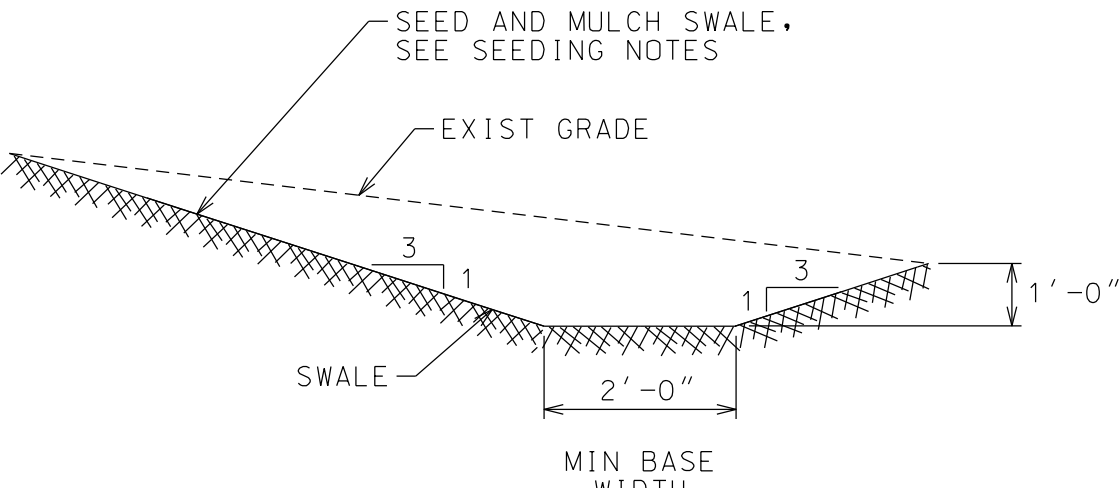
1. ROCKS FOR BOTTOM COURSE OF WALL SHALL BE 1 1/2 CY MIN. 2 CY PREFERRED. SUCCESSIVE COURSES SHALL BE 1/2 CY MIN. SEDIMENTARY ROCKS SHALL NOT BE USED.
2. BEFORE PLACING BOTTOM COURSE, REMOVE ANY ORGANIC MATERIAL AND COMPACT SOIL WITH A VIBRATORY PLATE TO THE SATISFACTION OF THE ONSITE INSPECTOR. SET BOTTOM COURSE 18" BELOW GRADE ON LOW SIDE.
3. PLACE UNCLASSIFIED BACKFILL IN 12" LIFTS AND COMPACT WITH A VIBRATORY PLATE TO THE SATISFACTION OF THE ONSITE INSPECTOR. COMPACT FILL BEHIND AND ON TOP OF ROCKS BEFORE PLACING NEXT COURSE. BATTER ROCKS INTO SLOPE WITH EACH SUCCESSIVE COURSE.
4. KEEP FILL MATERIAL AT JOINTS TO A MINIMUM. IF DIRECTED BY THE ENGINEER, MIX JOINT FILL WITH CEMENT OR MORTAR FOR BETTER ADHESION AND EROSION CONTROL.
5. ALL COURSES SHALL BE LAID WITH BEARING BEDS PARALLEL TO THE NATURAL BED OF THE ROCKS.
6. PLACE APPROVED FILTER FABRIC BEHIND ROCKS TO PREVENT FILL EROSION.
7. TOPSOIL AND SEED ALL NEW FILL AND DISTURBED AREAS FOLLOWING CONSTRUCTION, USE SEED MIX PER FINAL SEEDING NOTES.
8. EROSION CONTROL MAT SHALL BE PER FINAL SEEDING NOTES. LAP MAT 6" MINIMUM AT ALL JOINTS. SECURE MAT WITH SOD STAKES AT 3' O.C. FOLLOW ALL RECOMMENDATIONS BY MANUFACTURER.
9. EROSION CONTROL MAT SHALL BE PLACED DIRECTLY FOLLOWING FINISH GRADING OF SLOPE AND SEEDING TO PREVENT EROSION.

BACKFILL DEFINITIONS:

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

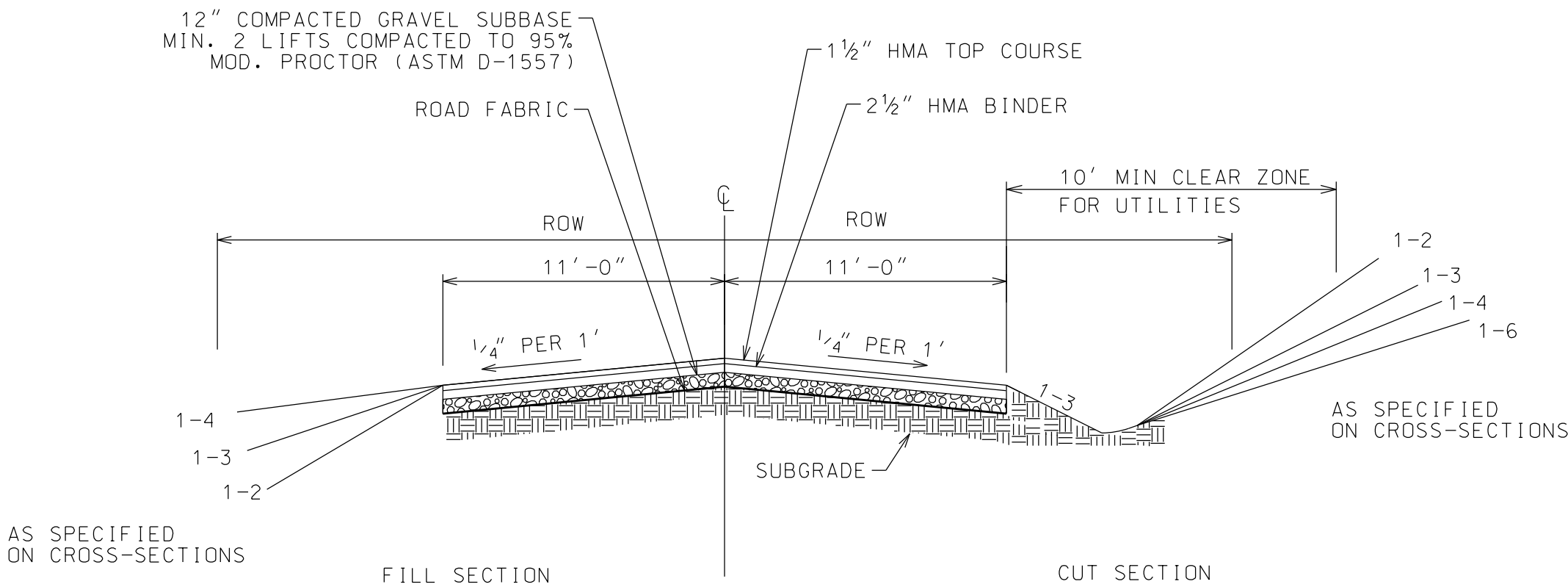


BOULDER RETAINING WALL DETAIL
NTS

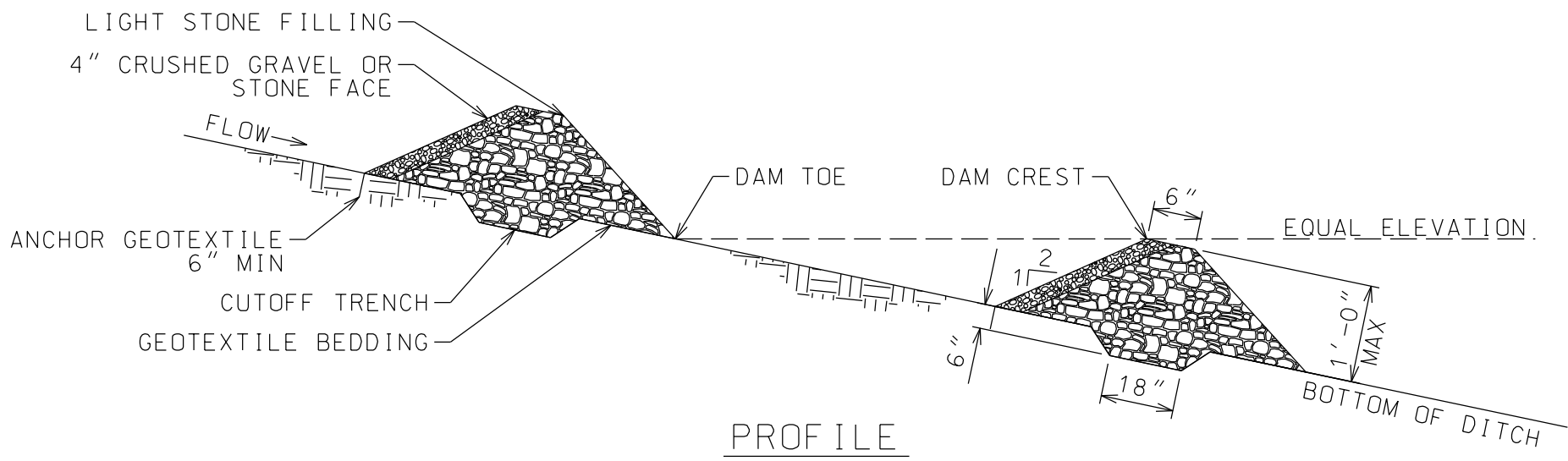


- NOTES:
1. REMOVE ALL BRUSH, STUMPS AND OBSTRUCTIONS SO AS NOT TO INTERFERE W SWALE.
 2. SEED AND MULCH AFTER FORMING, ADD STONE CHECK DAMNS WHERE CHANGE IN ELEVATION EXCEEDS 18".
 3. WHERE SLOPES EXCEED 4%, USE JUTE OR EXCELSIOR MATTING INSTEAD OF MULCH.
 4. SPREAD STONE AT DISCHARGE TO DISSIPATE VELOCITY & CHANCE OF EROSION.

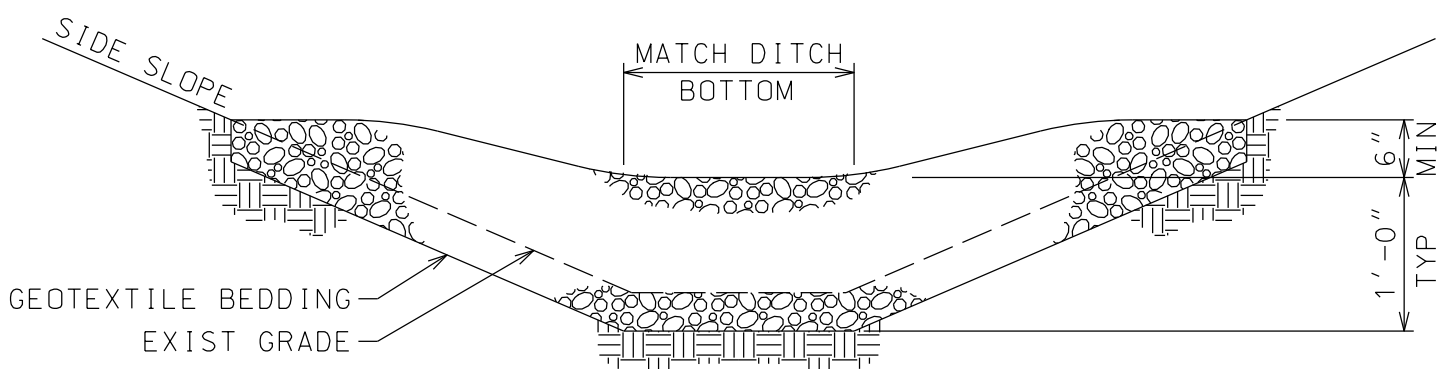
GRASS SWALE SECTION
NTS



TYPICAL ROAD SECTION
NTS



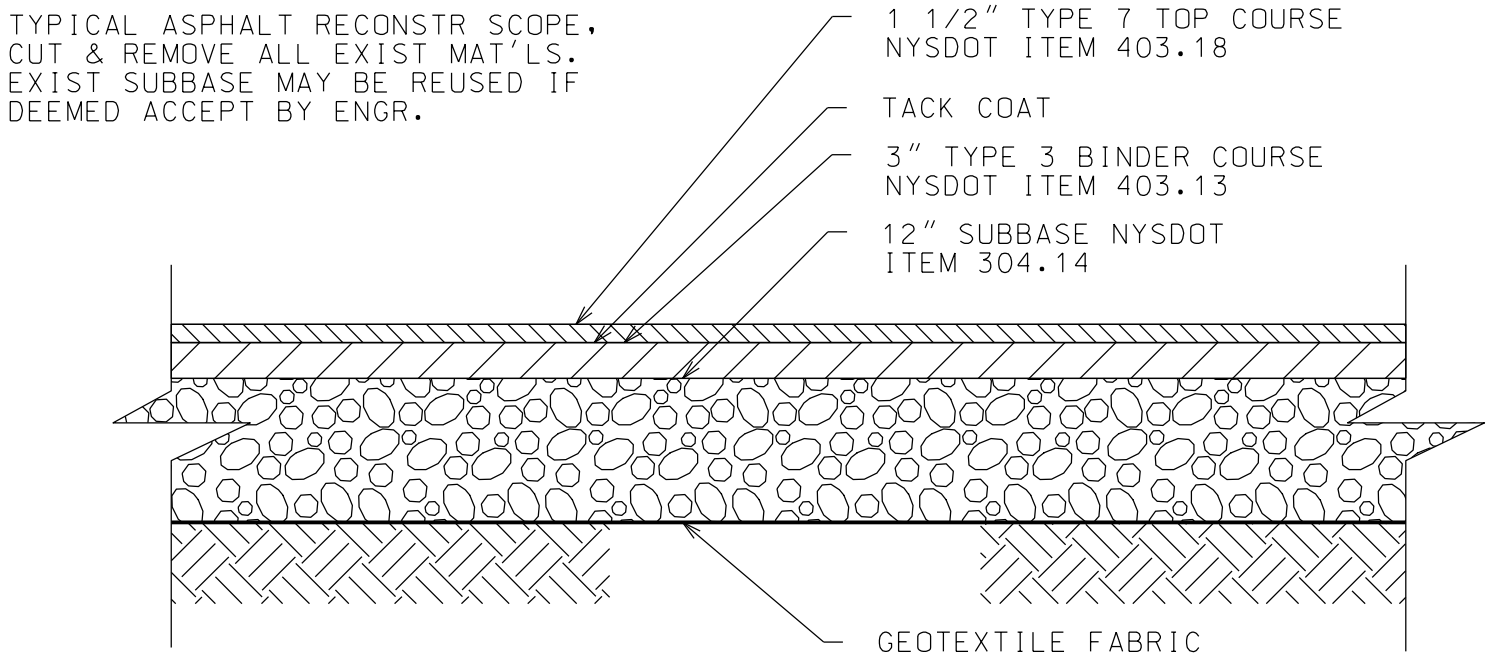
PROFILE



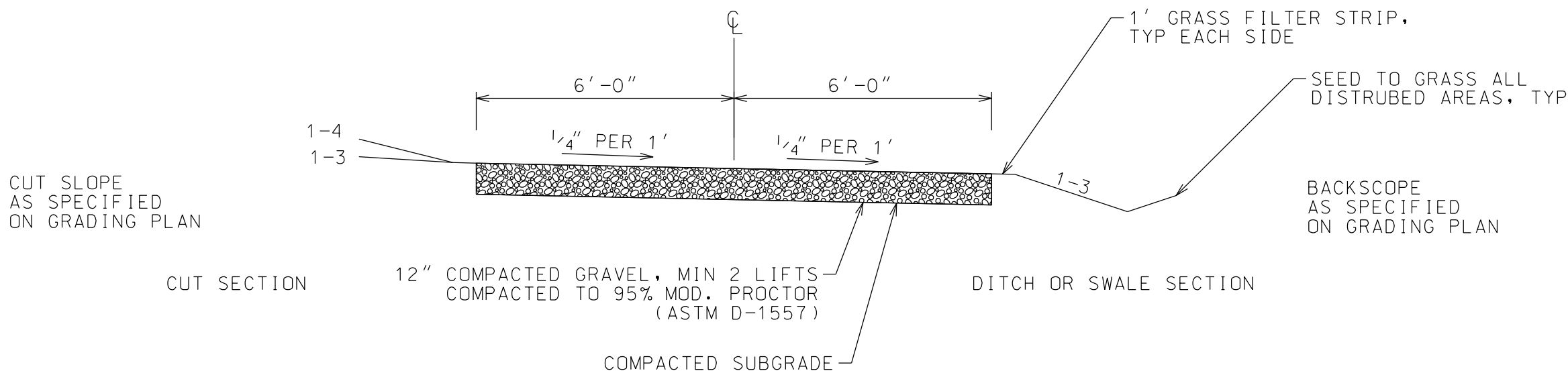
SECTION

- NOTES:
1. INSTALL RIPRAP OR FILTER FABRIC PRIOR TO FINAL CHECK DAM IN SERIES.
 2. SPACE CHECK DAMS IN SERIES SUCH THAT TOE OF UPSTREAM DAM IS AT THE SAME ELEVATION AS THE CREST OF THE NEXT DOWNSTREAM DAM.
 3. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
 4. CAREFUL REMOVAL OF ALL ROCK AND STONE IS REQUIRED PRIOR TO SEEDING AND MOWING ANY AREAS.
 5. WHEN PROPERLY COMPLETE, CHECK DAMS ARE AN ACCEPTABLE BEST MANAGEMENT PRACTICE (BMP) PER US EPA PHASE 11.

TEMPORARY STONE CHECK DAM
NTS



NEW ASPHALT PAVEMENT DETAIL
NTS



TYPICAL DRIVE SECTION
NTS

- NOTES:
- DRIVE SECTION SHOWN IS FOR STACKED DRIVES ONLY. SIDE BY SIDE DRIVES ARE 20' WIDE. SEE SITE PLANS FOR DRIVE DIMENSIONS.
 - DRIVE SLOPES PER DETAIL UNLESS NOTED OTHERWISE ON GRADING PLANS.



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
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DRAWN BY: RRG

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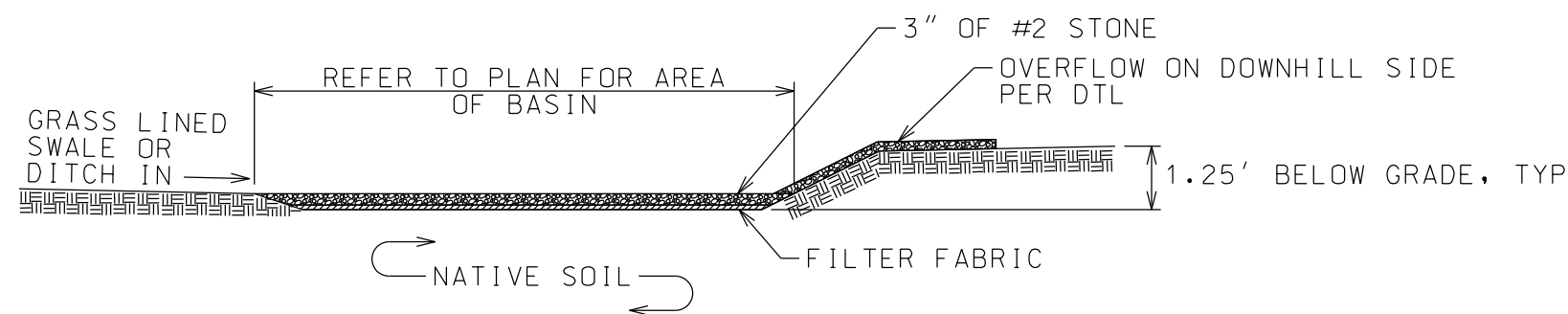
ORIGINAL 24"x36"

TITLE

SITE DETAILS

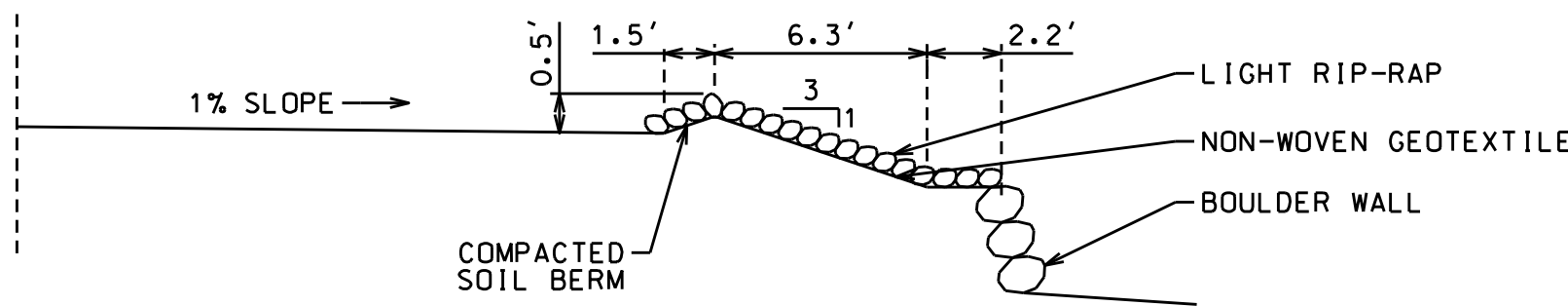
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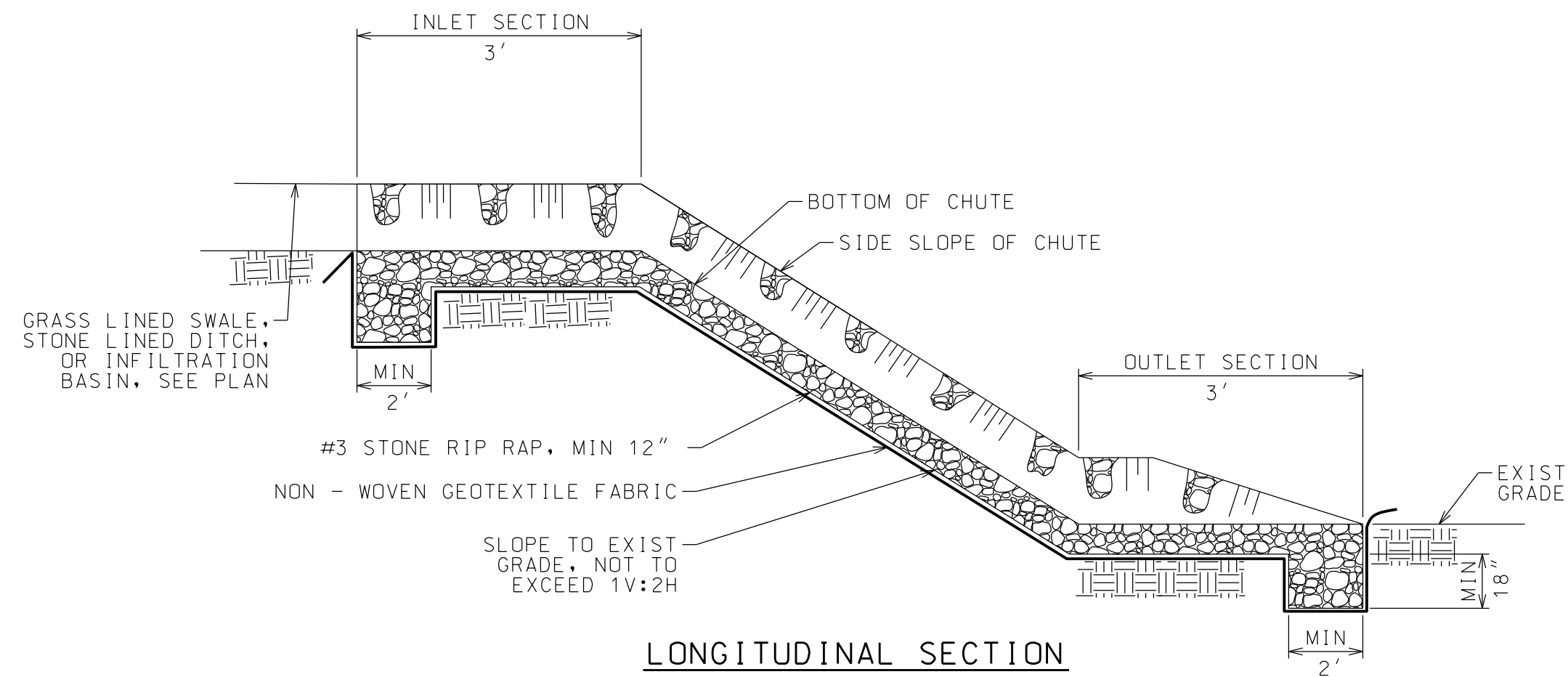


INFILTRATION BASIN DETAIL
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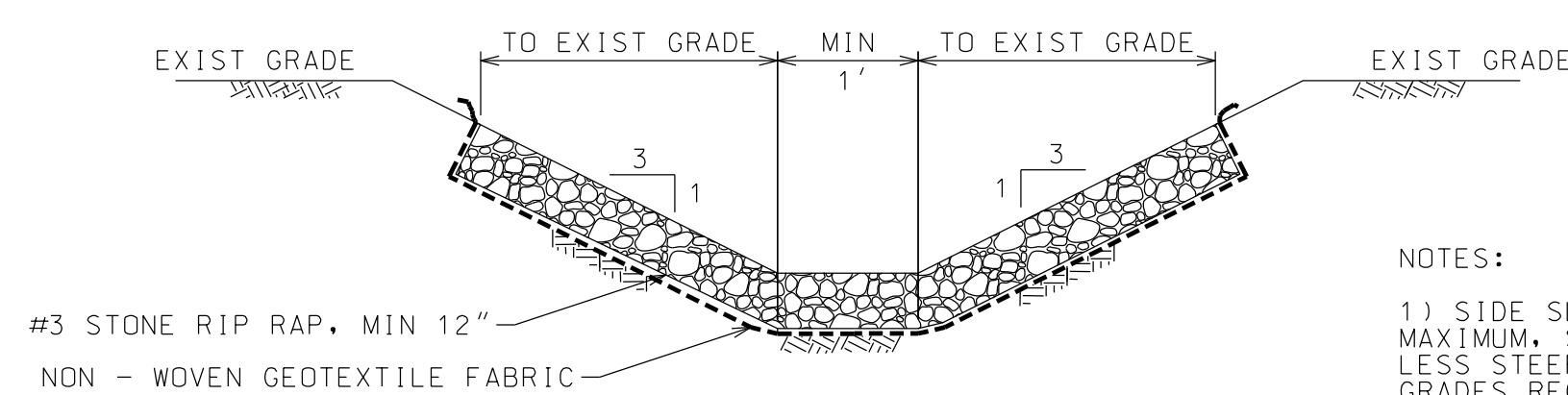
NOTE:
1. FOLLOW CONTOURS TO ENSURE BASIN BOTTOM REMAINS LEVEL.



HAMMERHEAD SNOW STORAGE
SEDIMENT TRAP DETAIL
NTS



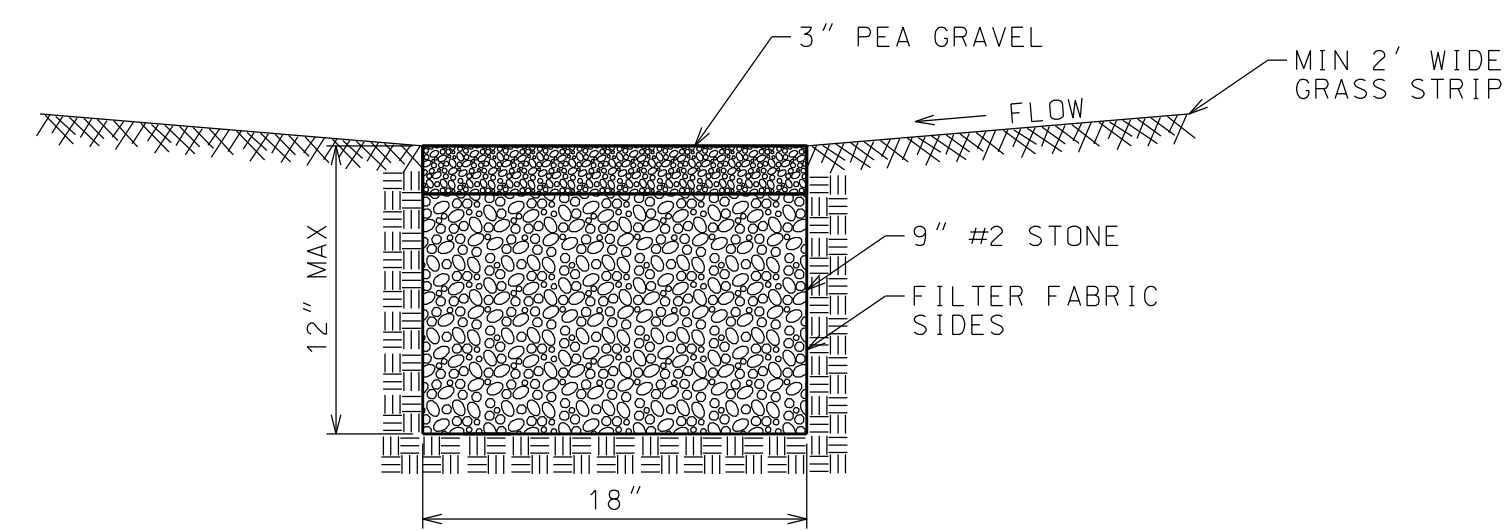
LONGITUDINAL SECTION



PROFILE

NOTES:
1) SIDE SLOPES SHOWN ARE MAXIMUM. SLOPES CAN BE LESS STEEP IF EXISTING GRADES REQUIRE.
2) FOR USE AS OVERFLOW FOR INFILTRATION BASINS.

OVERFLOW STONE RIPRAP CHUTE
NTS



INFILTRATION TRENCH

NOTE:
1. FOLLOW CONTOURS TO ENSURE TRENCH BOTTOM REMAINS LEVEL.

North Woods
Engineering P.L.L.C.

348 Lake Street
Saranac Lake, NY 12983
(518) 891-4975
www.north-woods-engineering.com

New York State Certified
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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
1/14/26	APA CHANGES	

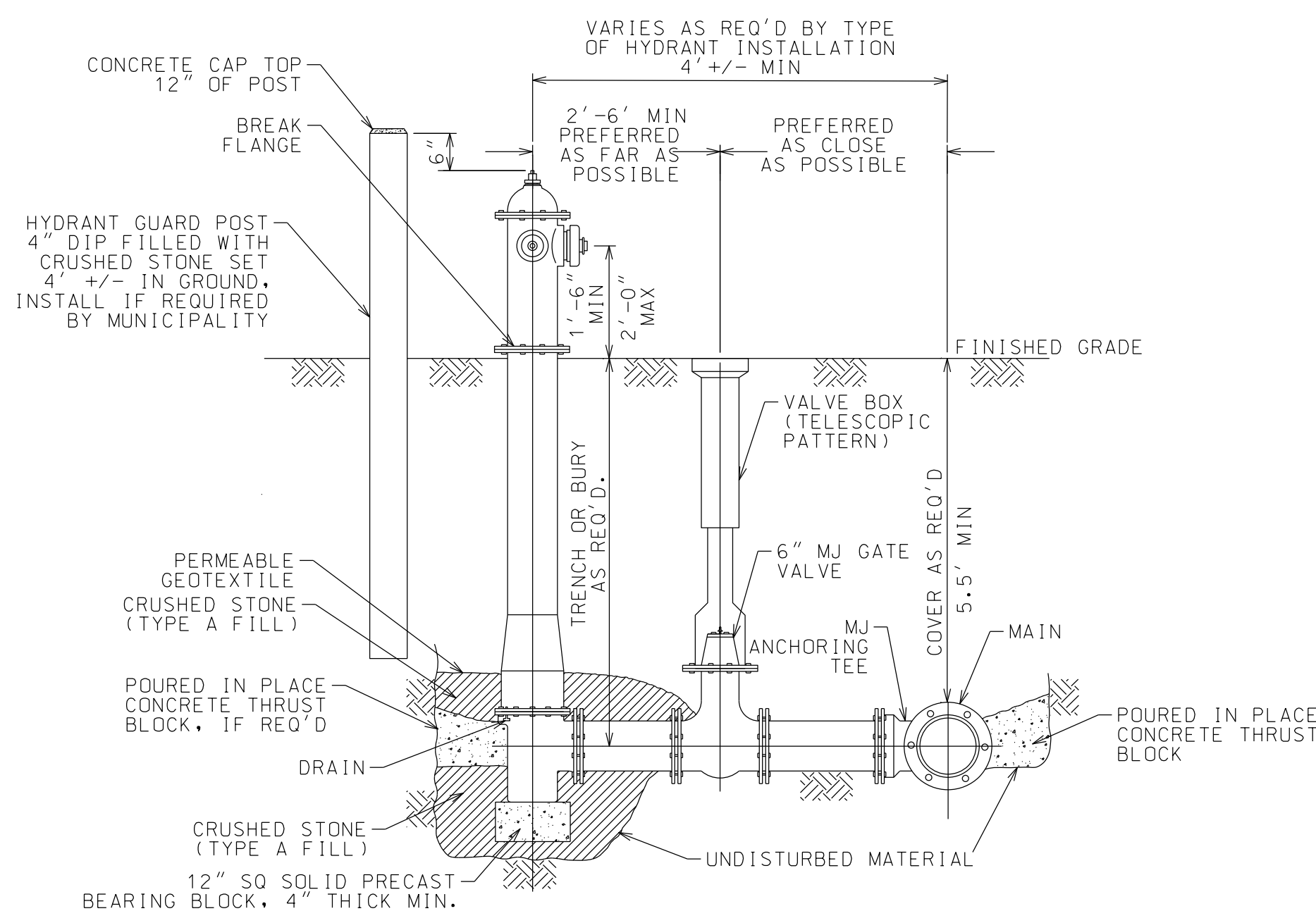
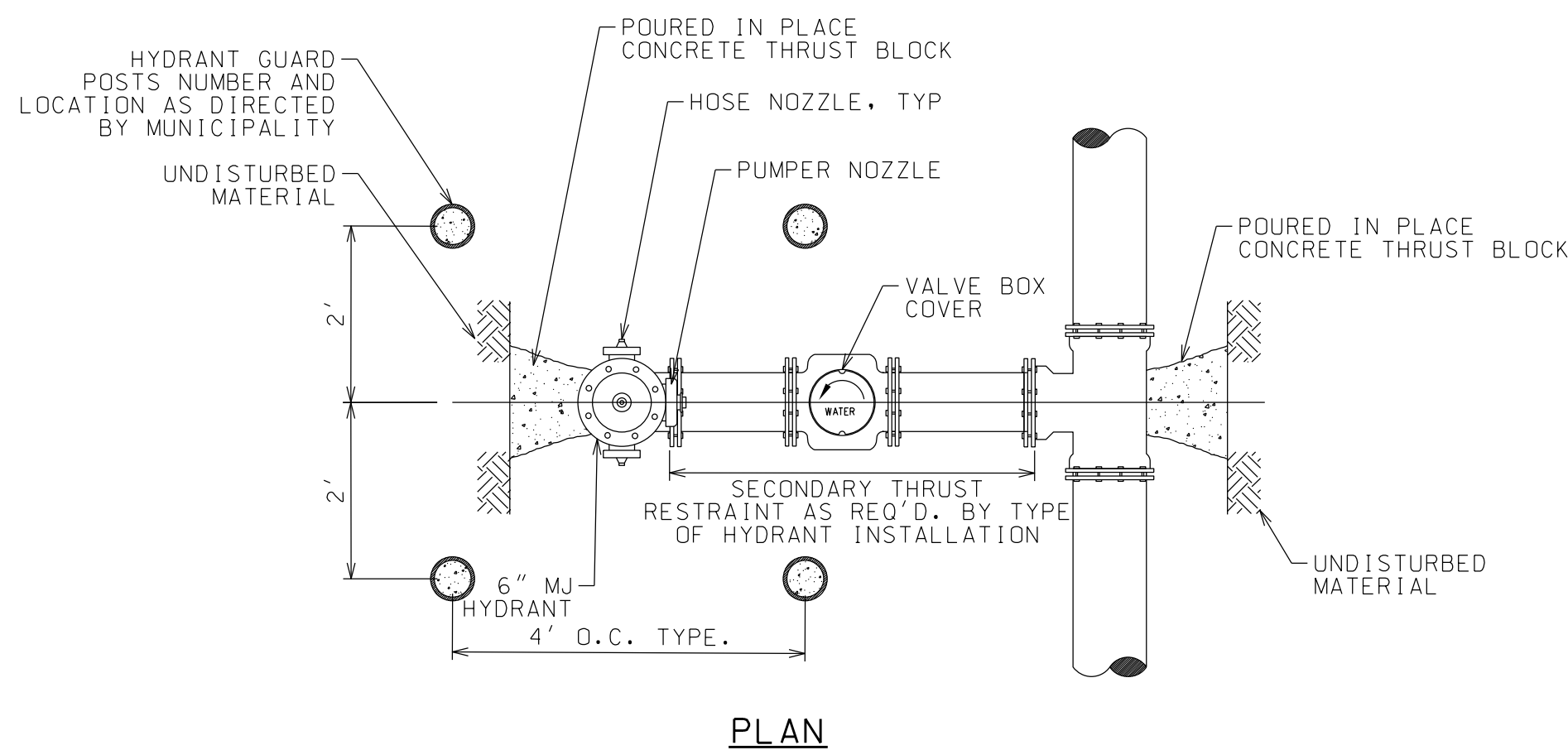
DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

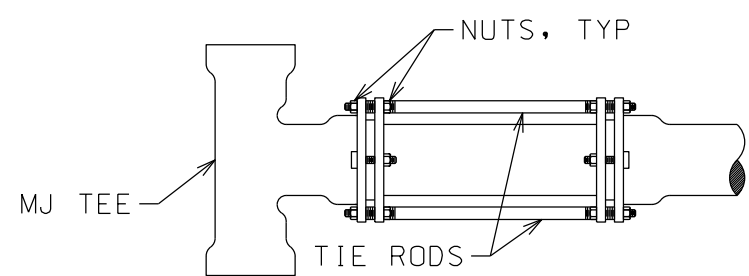
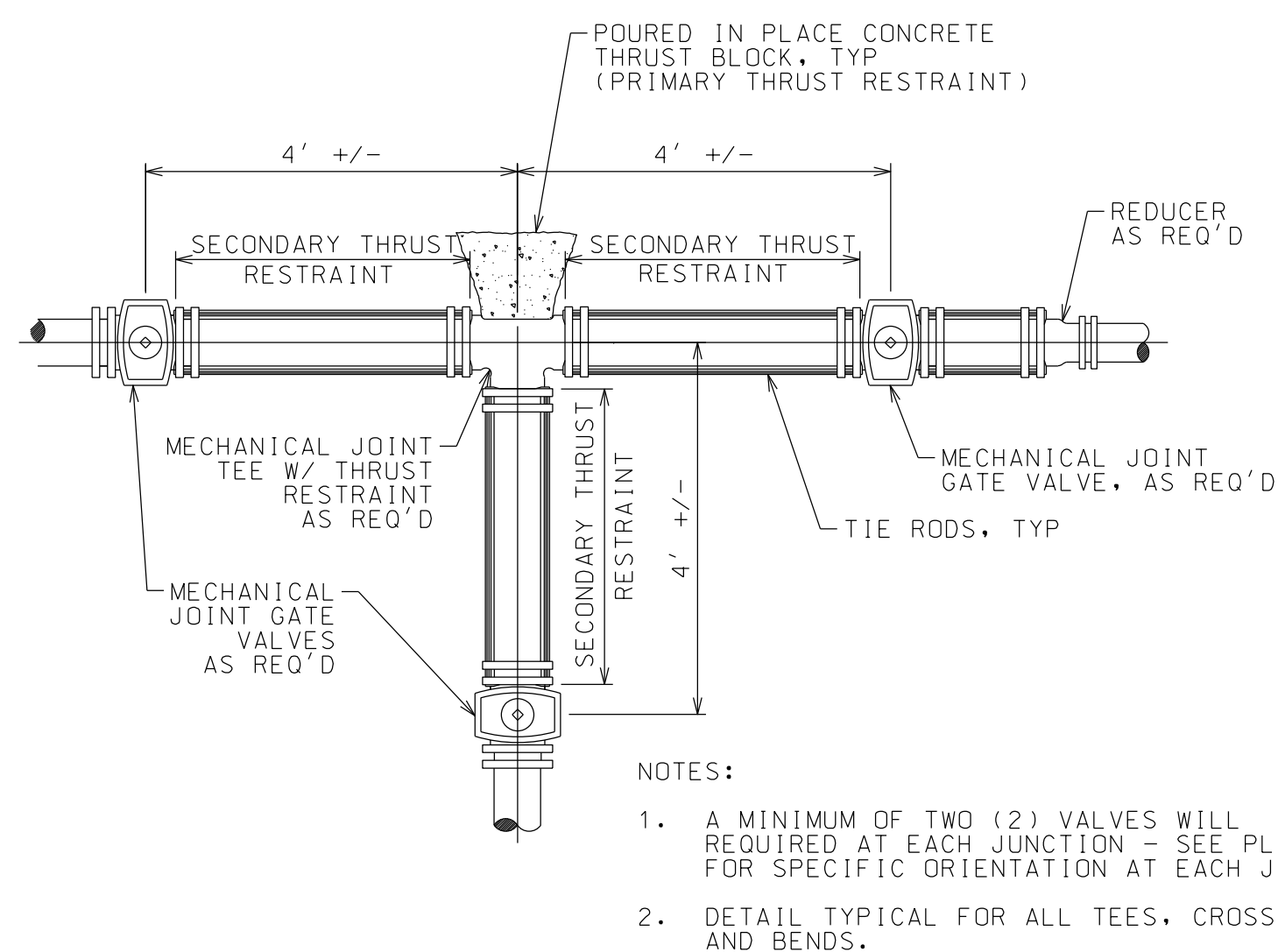
SITE DETAILS

SHEET

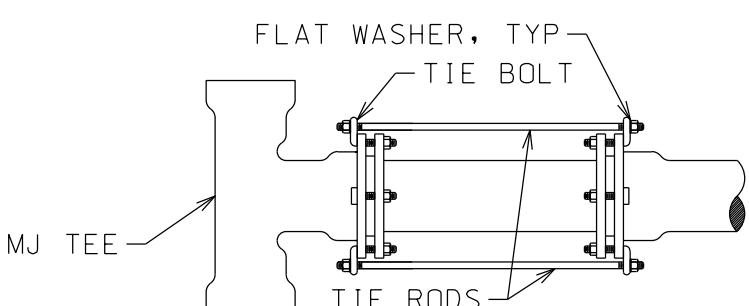
C302.1



TYPICAL HYDRANT INSTALLATION
NTS



TIE RODS
(ALTERNATE STYLE)

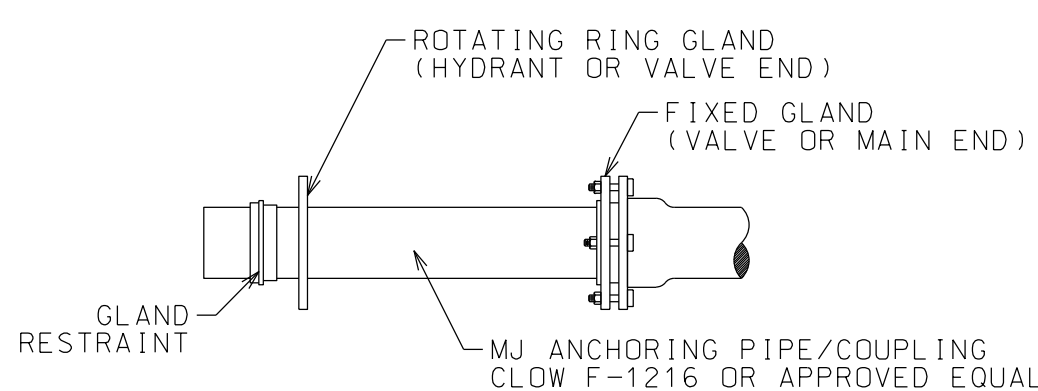


TIE RODS
(PREFERRED STYLE)

**NUMBER OF TIE
RODS REQUIRED**

PIPE SIZE (INCHES)	MINIMUM NO. OF 5/8" RODS
2	2
3	2
4	2
6	2
8	2
10	2
12	2

NOTES:
1. APPLIES TO 3/4"
RODS AS WELL



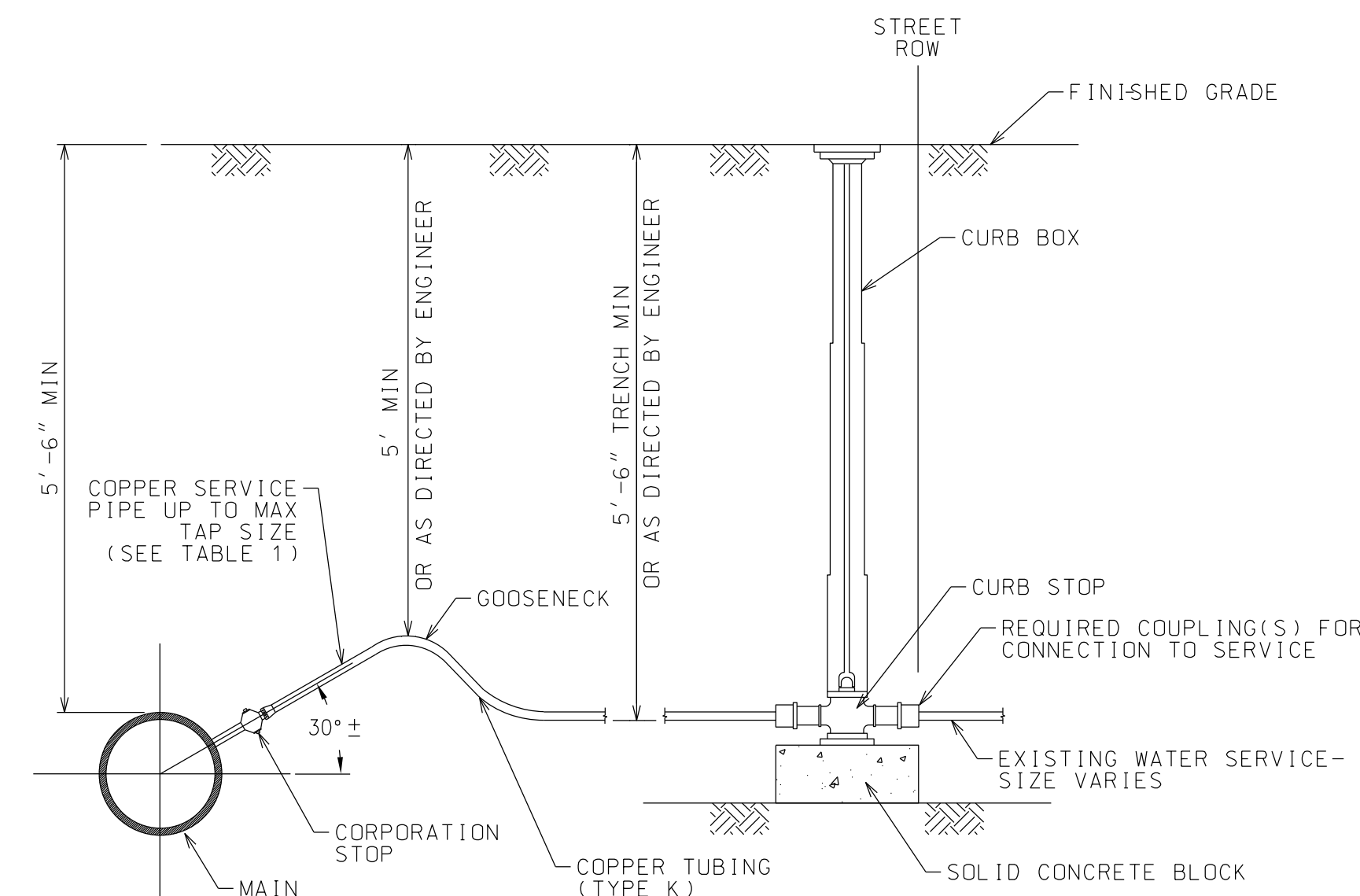
ANCHORING PIPE/COUPLING
(PREFERRED FOR HYDRANT-LEAD-VALVE INSTALLATION)

PROVIDE PRIMARY AND SECONDARY THRUST RESTRAINT
ON ALL MJ PLUGS, CAPS, TEES, BENDS, TAPPING SLEEVES
AND OTHER FITTINGS.

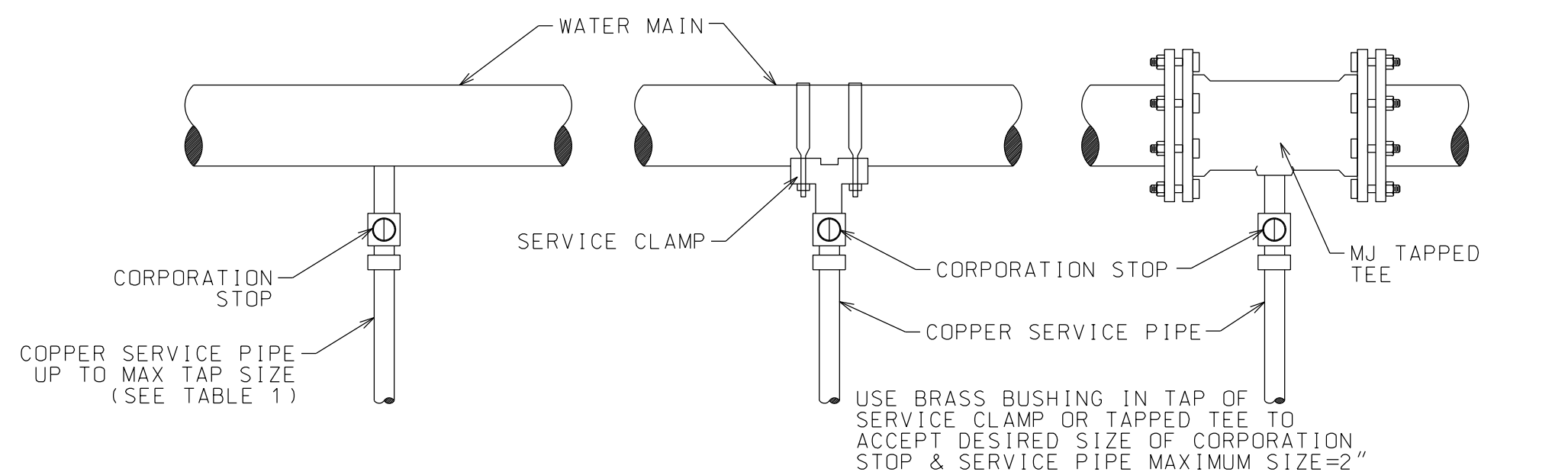
THRUST RESTRAINT OPTIONS
NTS

TABLE 1 - MAXIMUM TAP SIZE

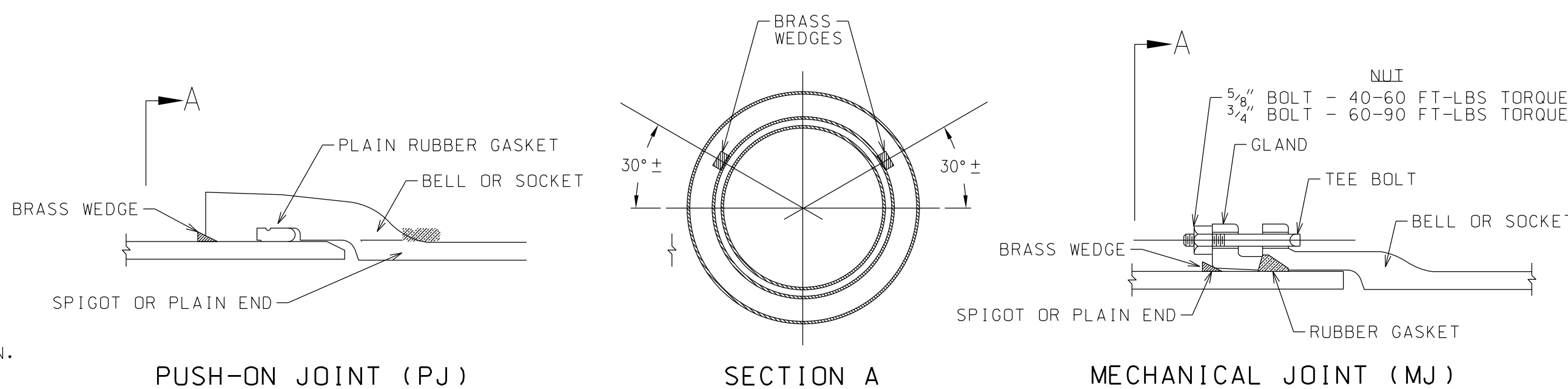
MAIN SIZE - INCHES	3	4	6	8	10	12 & LARGER
MAX TAP SIZE - INCHES	1/2	3/4	1	1 1/4	1 1/2	2



COPPER SERVICE PIPE
FOR SERVICES 2" DIA. OR LESS
TYPICAL SERVICE CONNECTION
NTS



SINGLE TAP
(MAXIMUM TAP SIZE PER TABLE 1)
SERVICE CLAMP
(USE FOR TAPS LARGER THAN SPECIFIED
IN TABLE 1, BUT NO LARGER THAN 2" DIA)
TAPPED TEE
TYPICAL COPPER SERVICE PIPE CONNECTIONS
NTS



NOTE:
1. BRASS WEDGES NOT NEEDED WHEN RETAINER GLAND USED AT JOINT.

NOTE:
DETAIL ONLY REQUIRED FOR DIP.
IF HOPE IS USED, DETAIL MAY
BE OMITTED

TYPICAL JOINT CONDUCTIVITY DETAIL
NTS



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

WATER DETAILS

SHEET

C304



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

[illegible]

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

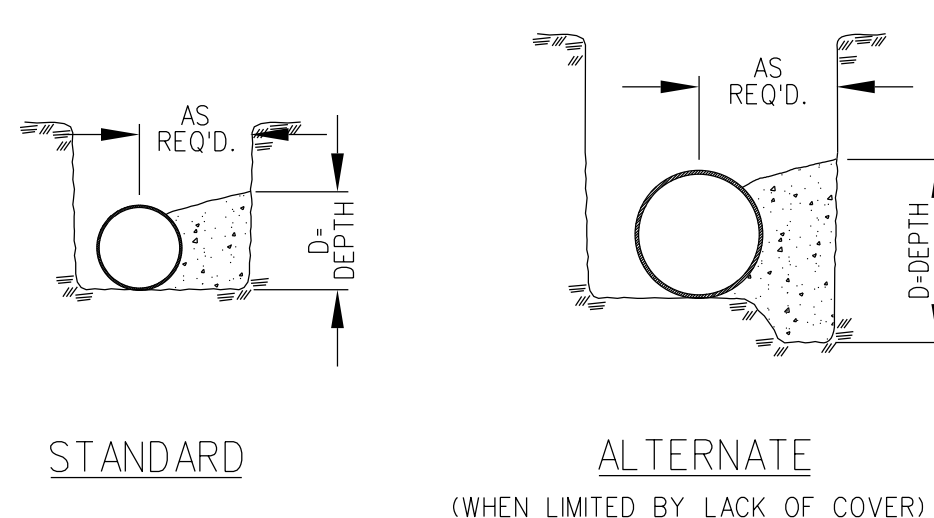
ORIGINAL 24"x36"

TITLE

WATER DETAILS

SHEET

C305



SECTION A-A

TYPICAL CONCRETE THRUST BLOCK DETAILS

NOTES:

1. VALUES FOR TEE APPLY TO TEES, END PLUGS, CAPS, AND TAPPING SLEEVES.
2. REQUIRED BEARING AREAS ARE DUE TO THRUST CAUSED BY 150 P.S.I. WORKING PRESSURE PLUS 50% (75 P.S.I.) SURGE ALLOWANCE RESULTING IN 225 P.S.I. TOTAL INTERNAL PRESSURE.
3. REQUIRED BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING CAPACITY OF 2000 LBS. PER SQUARE FOOTING FOR SAND, DUE TO OTHER SOIL CONDITIONS EXISTING, BEARING AREAS MAY BE MODIFIED BY THE ENGINEER BY MULTIPLYING THE AREA IN THE TABLE FOR THE APPROPRIATE PIPE SIZE AND FITTINGS BY THE CORRECTION FACTORS LISTED BELOW:

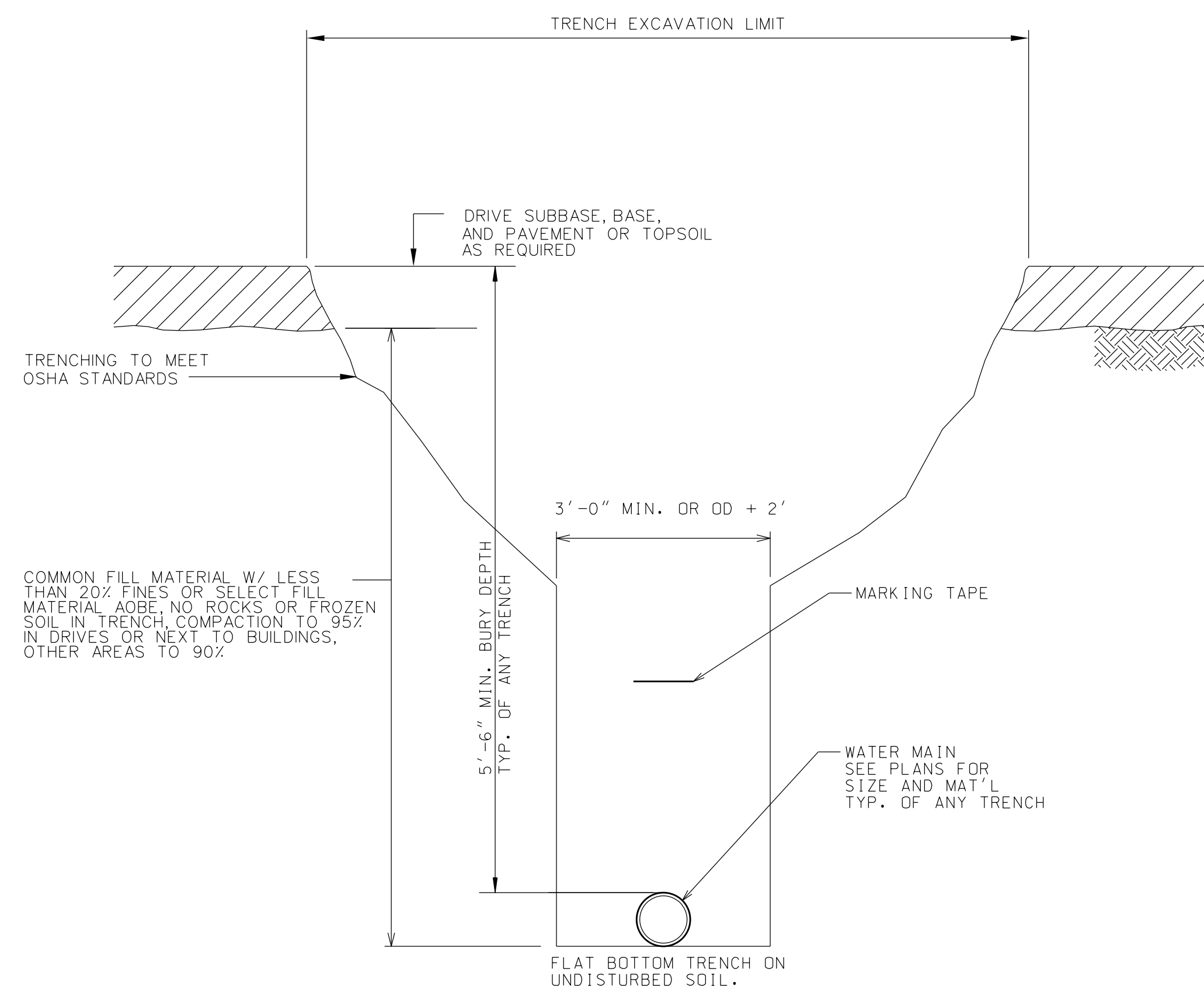
<u>SOIL</u>	<u>ALLOWABLE SOIL PRESSURE (LBS./SQ.FT.)</u>	<u>CORRECTION FACTOR</u>
SOFT CLAY	1,000	2.00
SAND	2,000	1.00
SAND & GRAVEL	3,000	0.67
SAND & GRAVEL CEMENTED WITH CLAY	4,000	0.50
HARD SHALE	10,000	0.20

4. IN MUCK, PEAT, OR RECENTLY PLACED FILL ALL THRUST SHALL BE RESISTED BY PILES OR TIE RODS TO SOLID FOUNDATIONS, OR BY REMOVAL OF SUCH UNSTABLE MATERIAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE THRUST, ALL AS REQUIRED BY THE ENGINEER.

THRUST REACTIONS - R PER 100 P.S.I. INTERNAL PRESSURE					
PIPE SIZE INCHES	TEE (SEE NOTE 1) T POUNDS	90° (1/4) BEND (1.414 X T)	45° (1/8) BEND (0.765 X T)	22-1/2° (1/16) BEND (0.390 X T)	11-1/4° (1/32) BEND (0.196 X T)
2	320	450	240	120	60
3	710	1,000	540	280	140
4	1,260	1,780	960	490	250
6	2,830	4,000	2,160	1,100	550
8	5,030	7,110	3,850	1,960	990
10	7,850	11,110	6,010	3,060	1,540
12	11,330	16,000	8,650	4,430	2,270

REQUIRED BEARING AREAS & DIMENSIONS FOR CONCRETE THRUST BLOCKS										
PIPE SIZE INCHES	TEE (SEE NOTE 1)		90° (1/4) BEND		45° (1/8) BEND		22-1/2° (1/16) BEND		11-1/4° (1/32) BEND	
	AREA SQ.FT.	DIMENSIONS D' X W'	AREA SQ.FT.	DIMENSIONS D' X W'	AREA SQ.FT.	DIMENSIONS D' X W'	AREA SQ.FT.	DIMENSIONS D' X W'	AREA SQ.FT.	DIMENSIONS D' X W'
2	0.4	0.5 X 1.0	0.5	0.5 X 1.0	0.3	0.5 X 1.0	0.1	0.5 X 1.0	0.1	0.5 X 1.0
3	0.8	1.0 X 1.0	1.1	1.0 X 1.5	0.6	0.5 X 1.5	0.3	0.5 X 1.0	0.2	0.5 X 1.0
4	1.4	1.0 X 1.5	2.0	1.0 X 2.0	1.1	1.0 X 1.5	0.6	0.5 X 1.5	0.3	0.5 X 1.0
6	3.2	1.5 X 2.5	4.5	2.0 X 2.5	2.4	1.5 X 2.0	1.2	1.0 X 1.5	0.6	0.5 X 1.5
8	5.7	2.0 X 3.0	8.0	2.0 X 4.0	4.3	2.0 X 2.5	2.2	1.5 X 1.5	1.1	1.0 X 1.5
10	8.8	2.5 X 3.5	12.5	3.0 X 4.5	6.8	2.0 X 3.5	3.4	1.5 X 2.5	1.7	1.0 X 2.0
12	12.7	3.5 X 3.5	18.0	4.0 X 4.5	9.7	2.5 X 4.0	5.0	2.0 X 2.5	2.5	1.5 X 2.0

BLOCKING SIZE SCHEDULE					
PIPE DIA. (IN.)		BENDS			
		90°	45°	22-1/2°	11-1/4°
<u>VOLUME REQ'D. C.F.</u>		45	37	18	9
6	A FT.	2.8	2.4	1.6	1.2
	B FT.	4.00	3.88	3.36	2.75
	C FT.	4.00	3.88	3.36	2.75
<u>VOLUME REQ'D. C.F.</u>		81	65	33	16
8	A FT.	3.2	2.8	2.4	1.6
	B FT.	5.00	4.80	3.66	3.20
	C FT.	5.00	4.80	3.66	3.20
<u>VOLUME REQ'D. C.F.</u>		246	197	99	49
12	A FT.	6.4	5.6	3.2	2.8
	B FT.	6.20	6.00	5.54	4.20
	C FT.	6.20	6.00	5.54	4.20



- NOTES:
1) LAYING CONDITIONS AS PER AWWA C600.
2) TRENCHES DEEPER THAN 4' MUST BE DUG IAW OSHA REGULATIONS.
3) IF PIPE IS HDPE, INSTALL W TRACER WIRE & MARKING TAPE.

WATER TRENCH SECTION

NTS



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FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE ISSUED FOR REV

12/12/25 PERMITTING

DRAWN BY: RRG

CHECKED BY: JAG

PROJECT #: 25-073

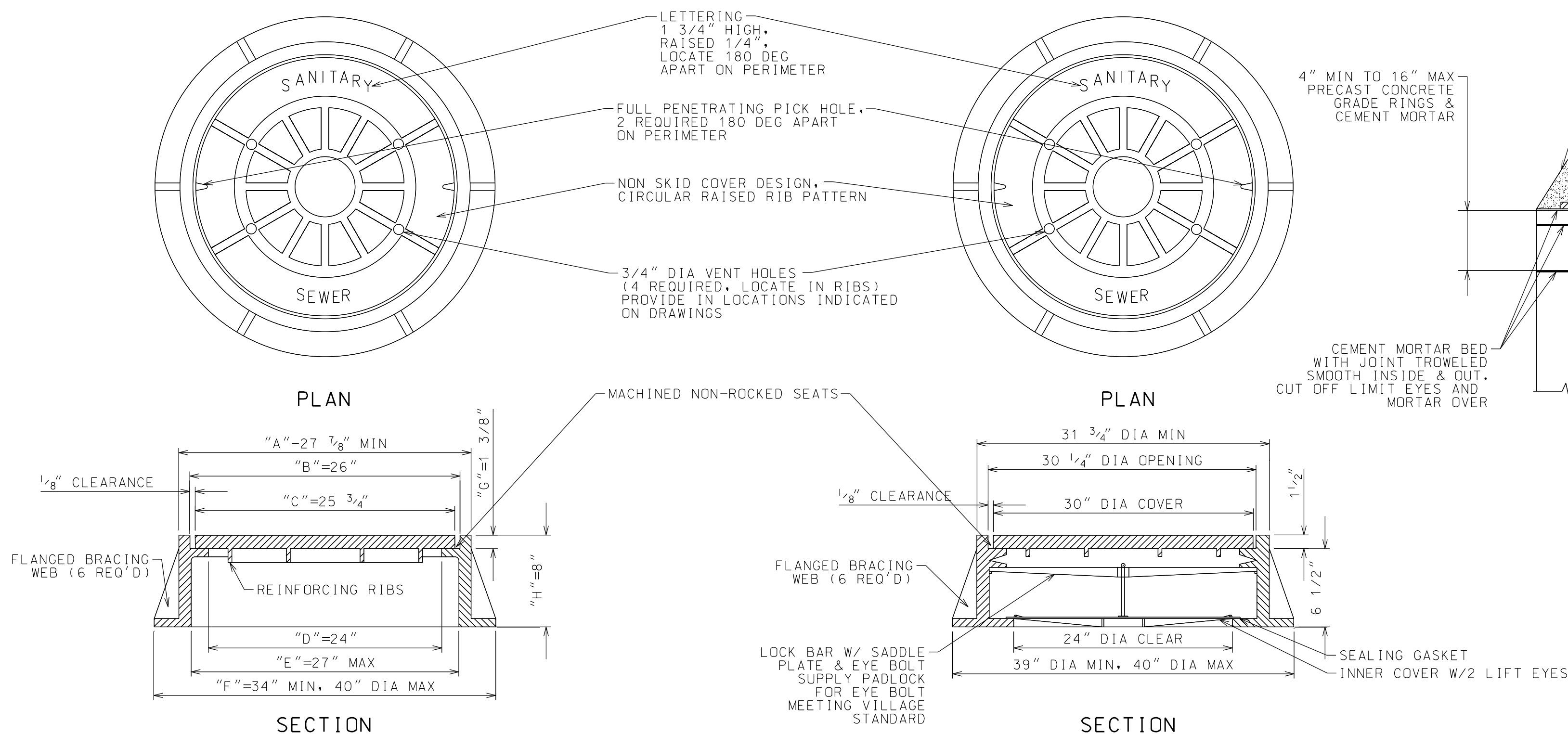
ORIGINAL 24"x36"

TITLE

SEWER DETAILS

SHEET

C306

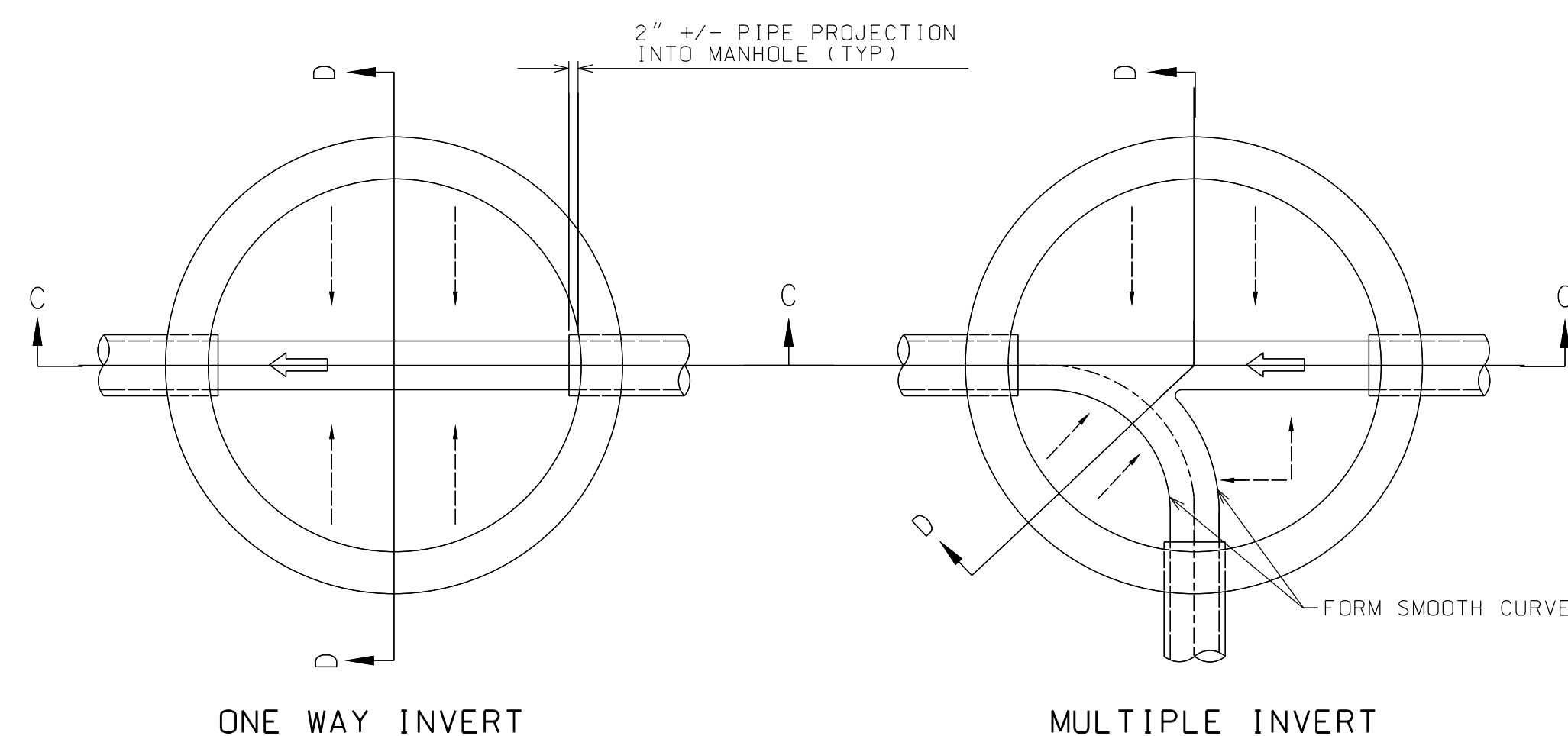


IN UNPAVED AREAS

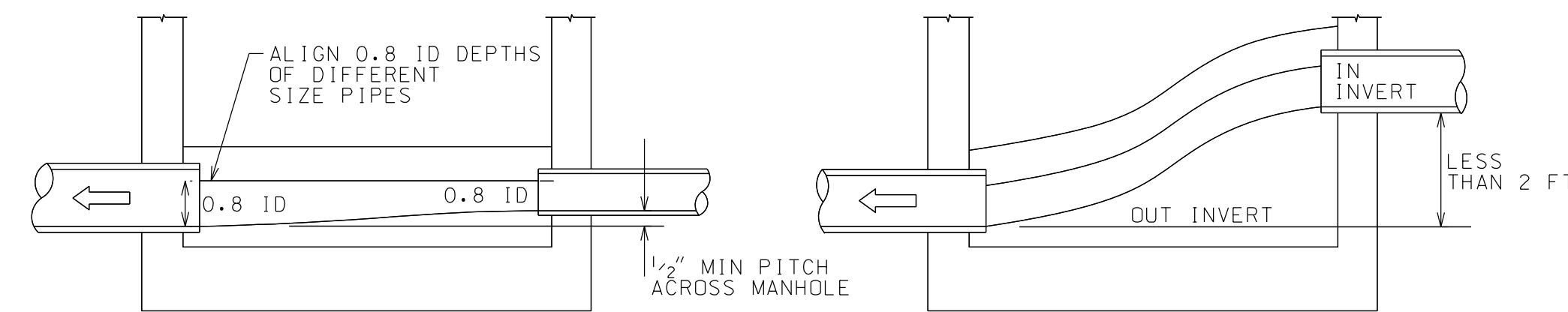
IN PAVED AREAS

CAST IRON MH COVER INSTALLATION DETAIL

NTS

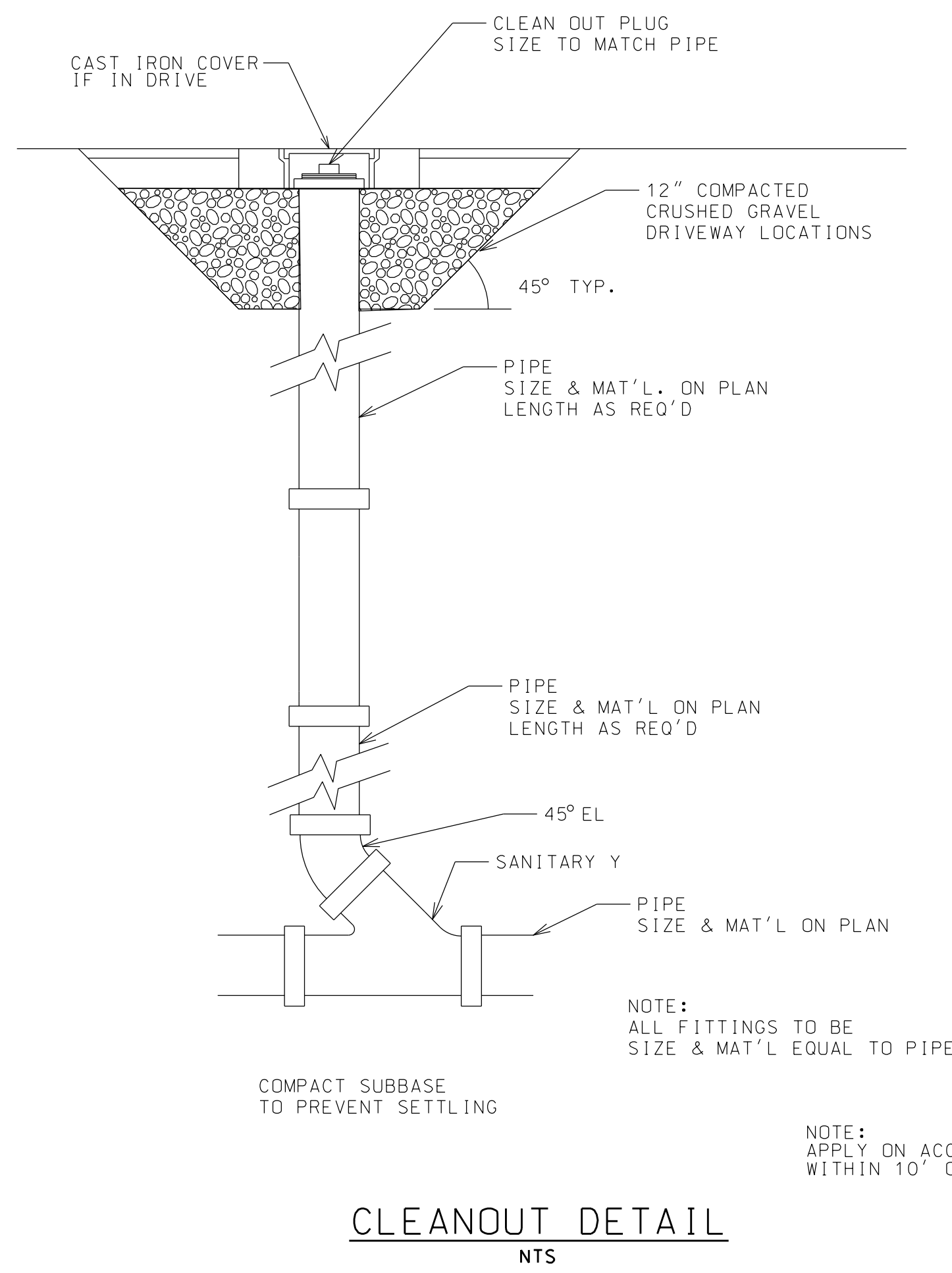
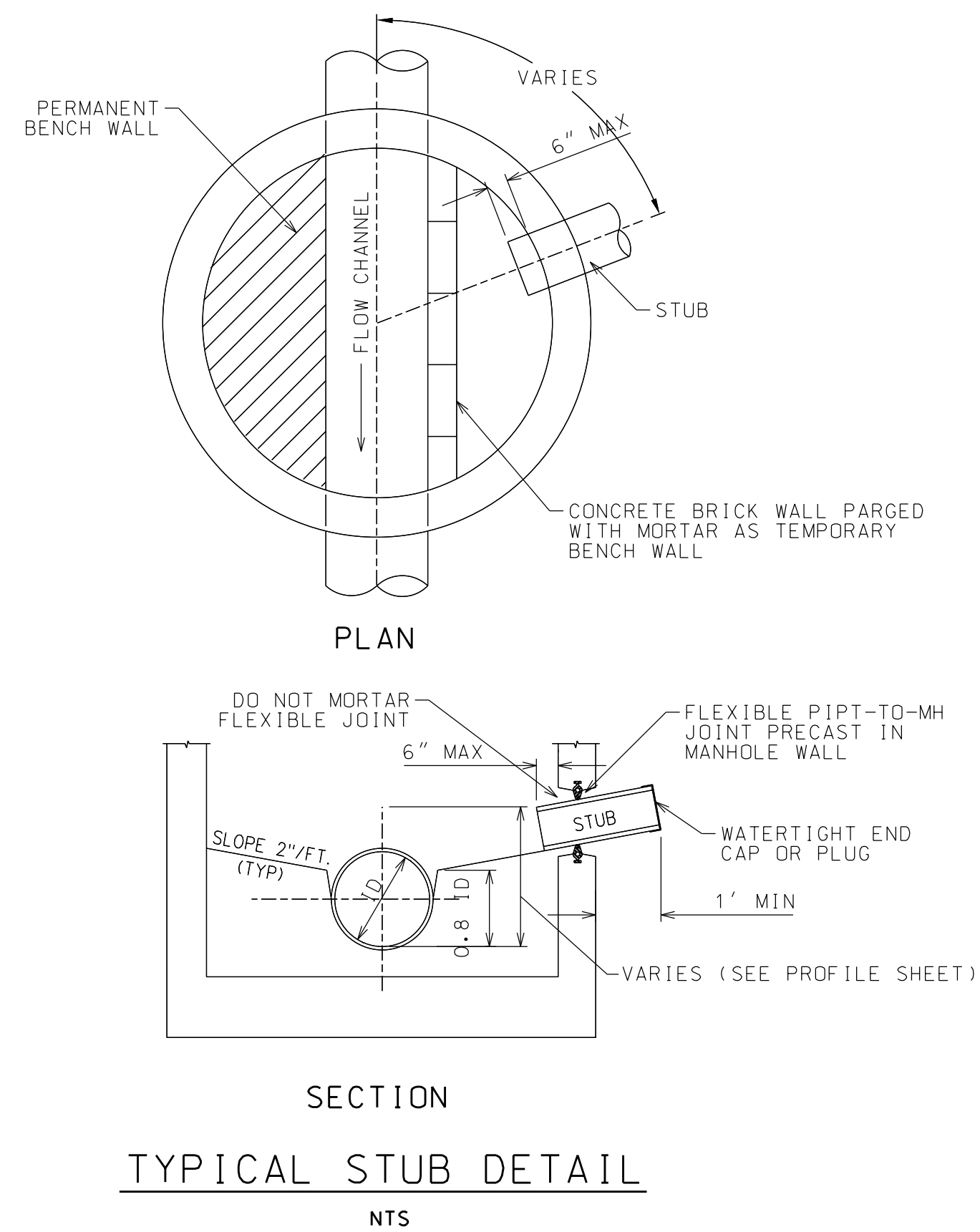


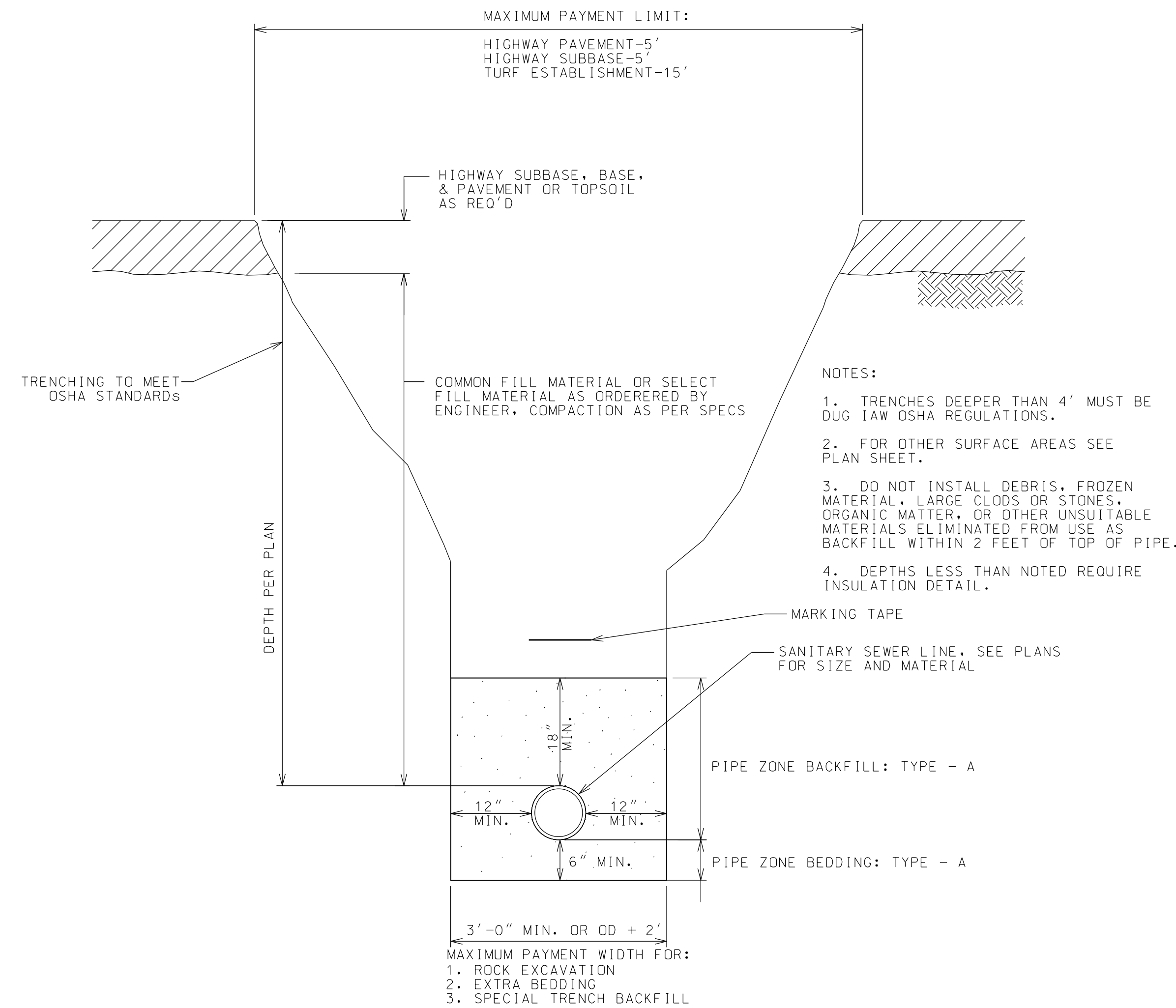
STUB INVERT TO BE CONSTRUCTED BY CONTRACTOR AT TIME OF STUB



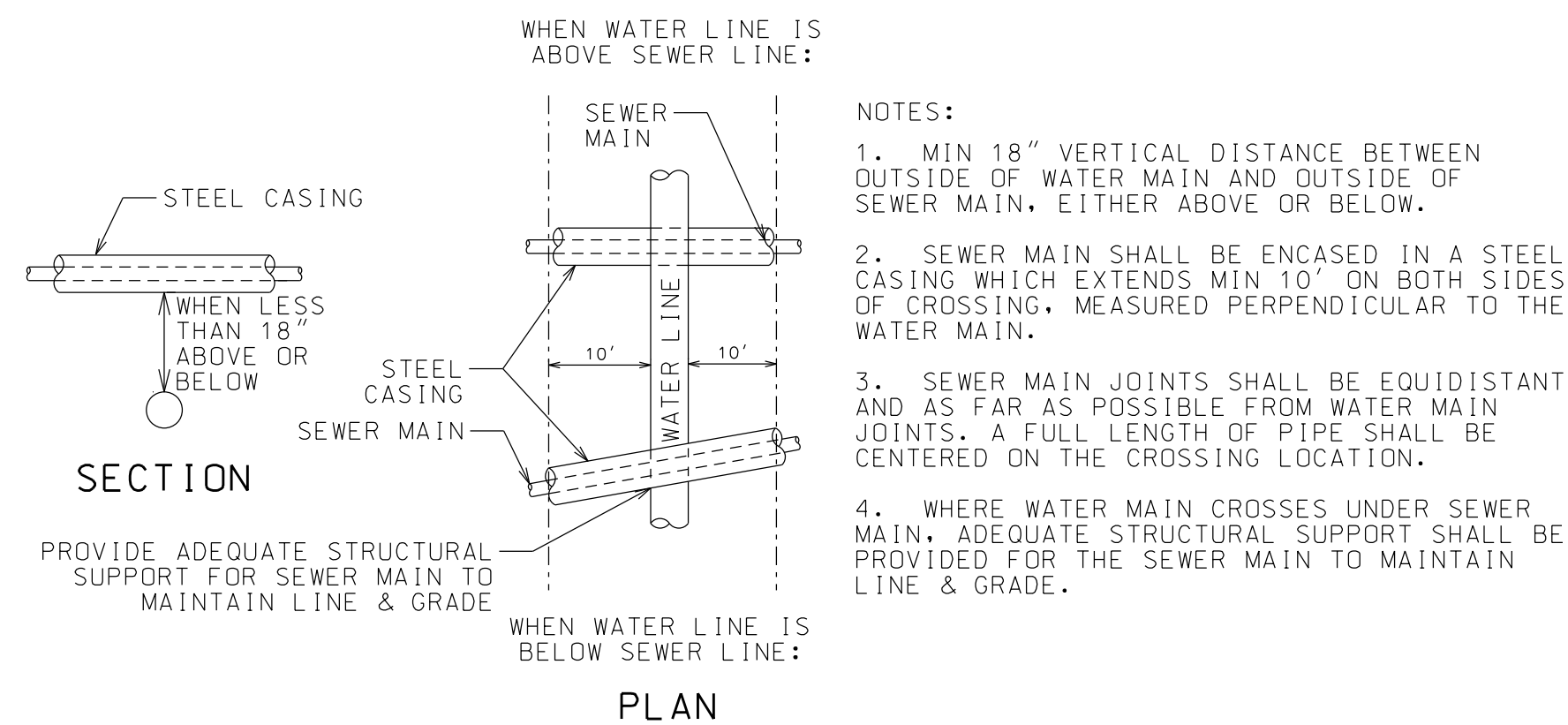
INVERT, CHANNEL, & BENCHWALLS

NTS

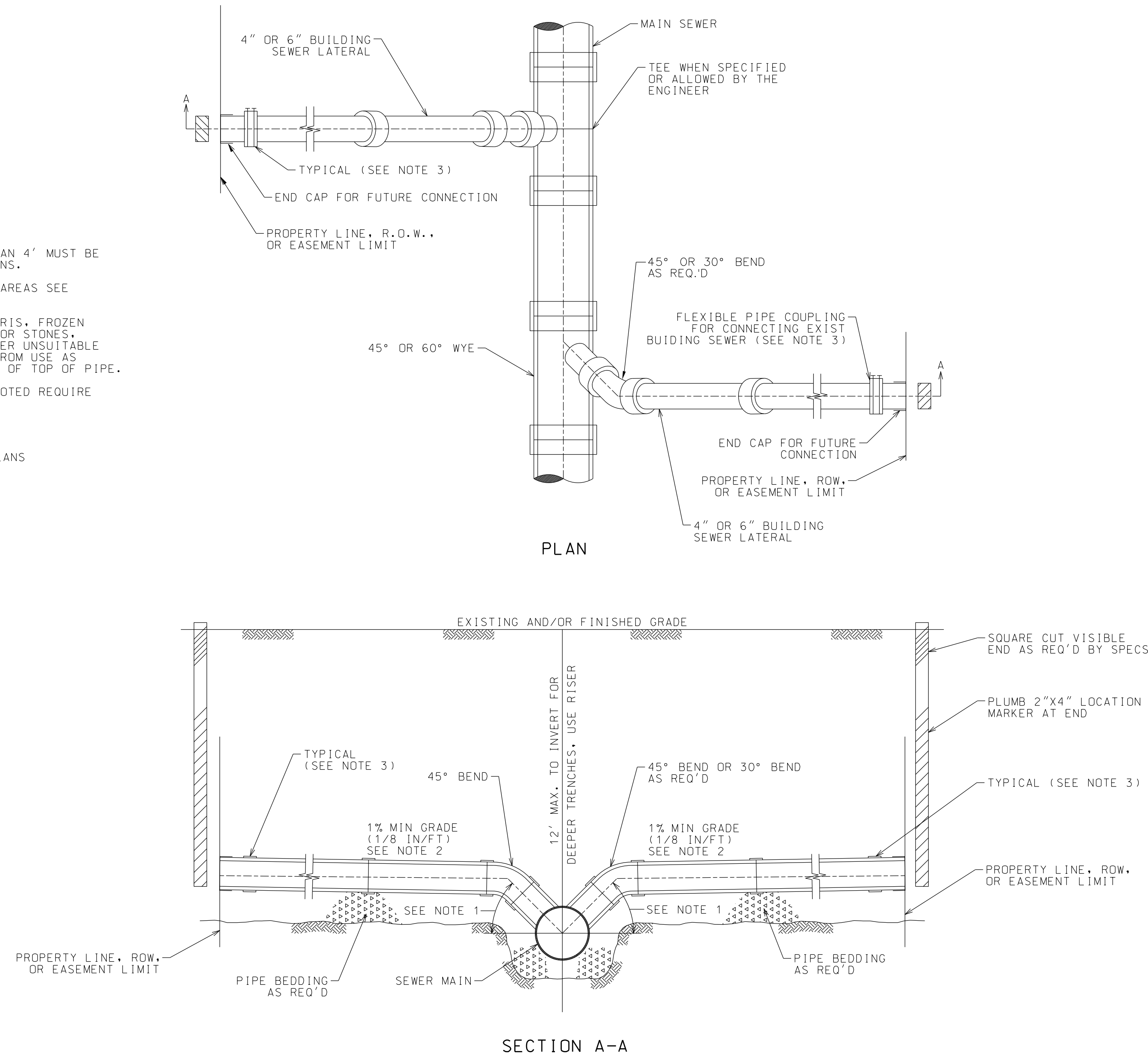




SEWER TRENCH SECTION
NTS



WATER & SEWER LINE CROSSING DETAIL
NTS



LATERAL TO SEWER DETAIL
NTS



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

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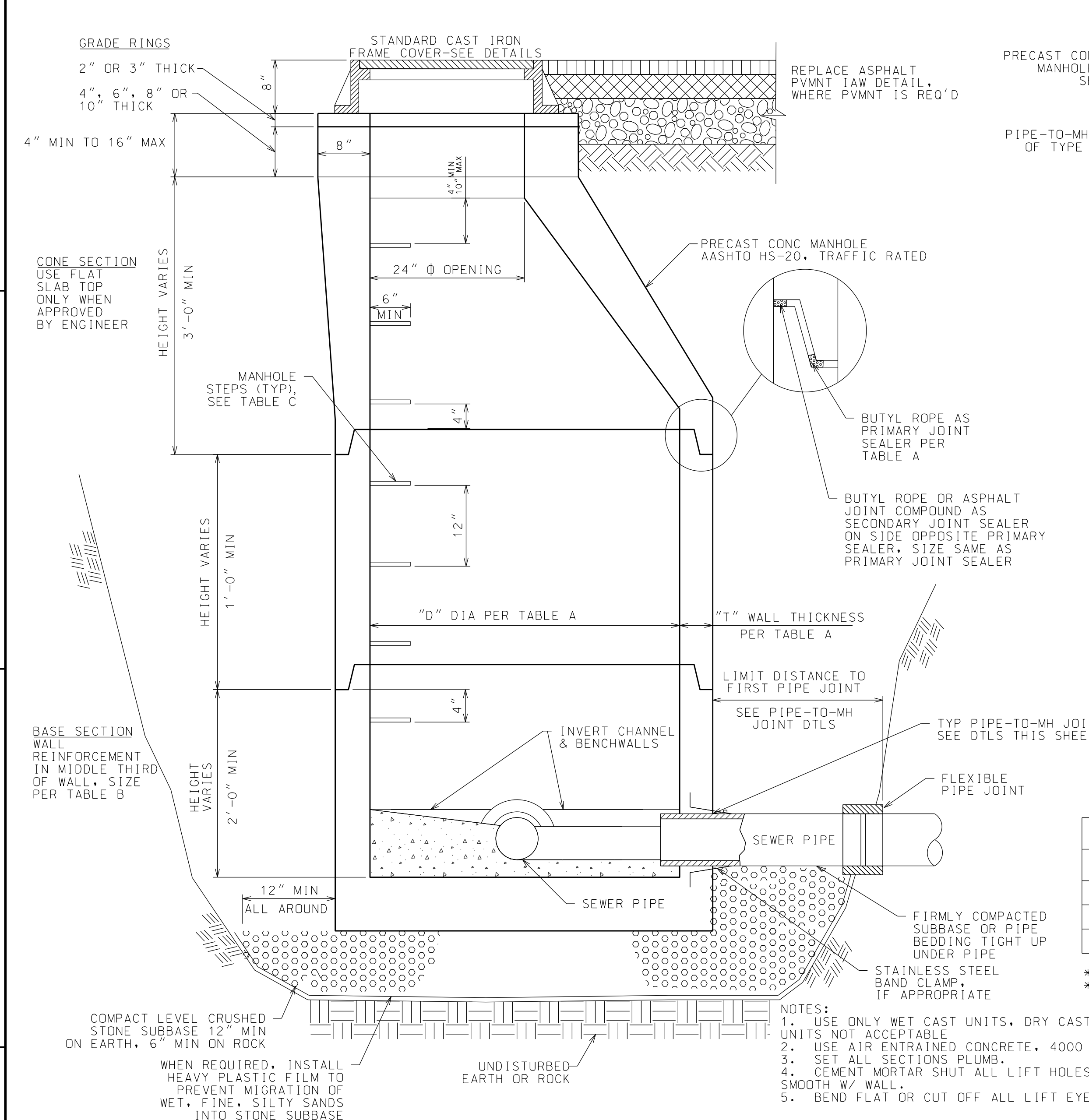
DRAWN BY: RRG
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ORIGINAL 24"x36"

TITLE

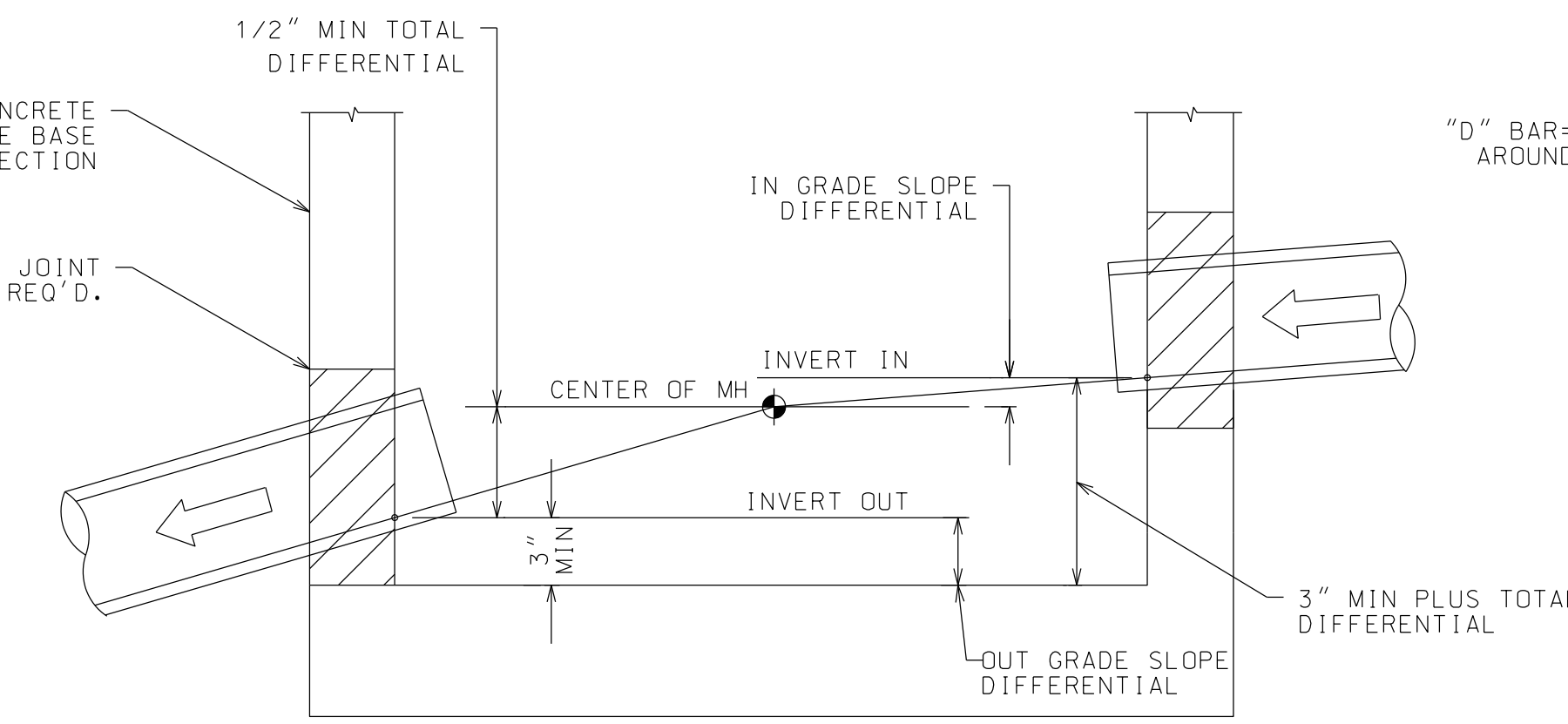
SEWER DETAILS

SHEET

C307



PRECAST CONCRETE MANHOLE
NTS



PIPE TO MANHOLE JOINT PLACEMENT DETAIL
NTS

TABLE A

OUTLET SEWER PIPE SIZE	"D" DIA MIN	"T" WALL THICKNESS MIN	BUTYL ROPE JOINT SEALER SIZE
8 IN THRU 24 IN	4 FT	5 IN	1 IN WIDE
30 IN	5 FT	6 IN	1 1/2 IN WIDE

TABLE B

CONE & RISER SECTIONS WALL STEEL REINFORCEMENT SIZE

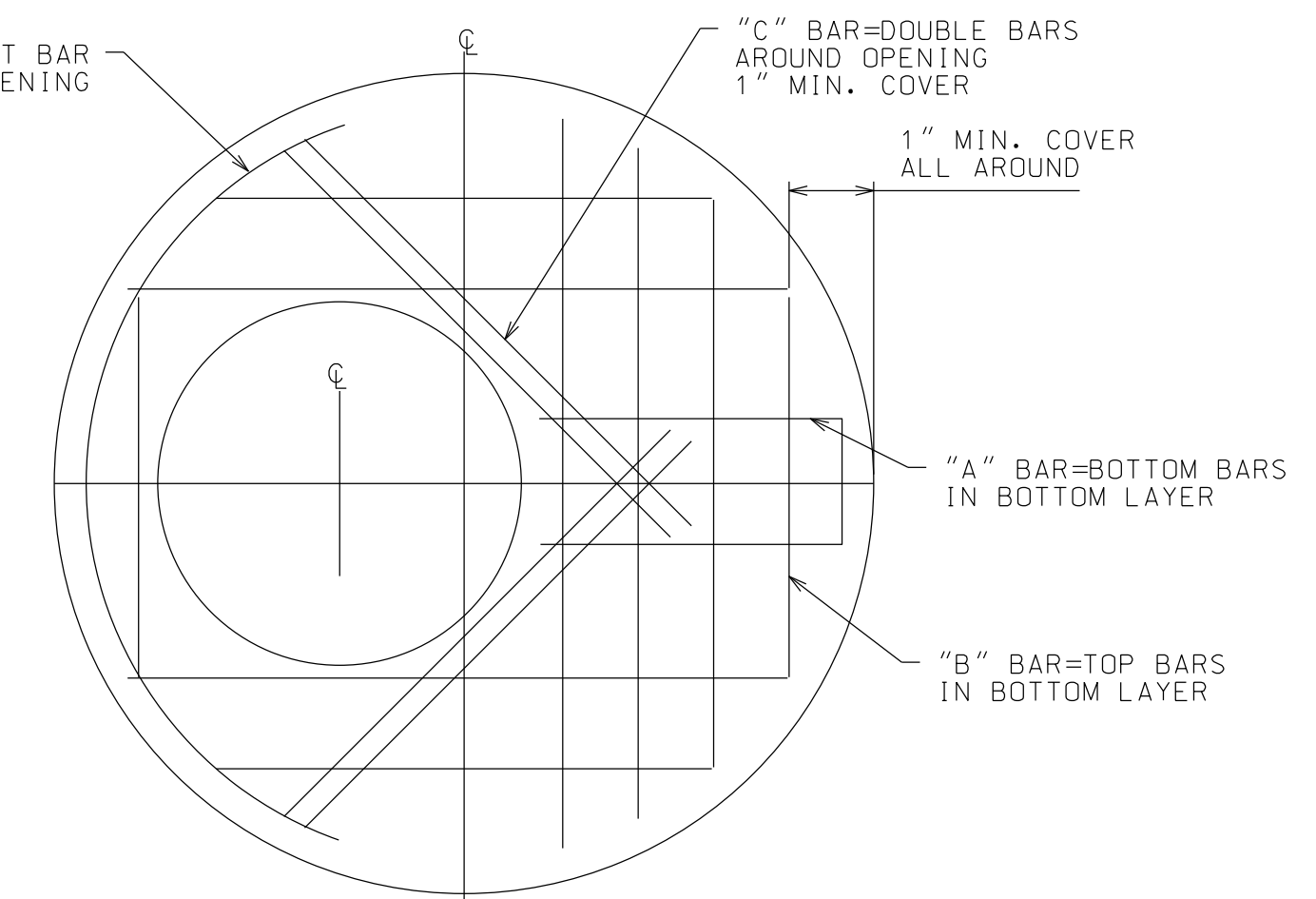
MANHOLE DIAMETER	CIRCUMFERENTIAL STEEL MIN AREA/LIN FT
4 FT	0.12 SQ IN
5 FT	0.15 SQ IN

TABLE C

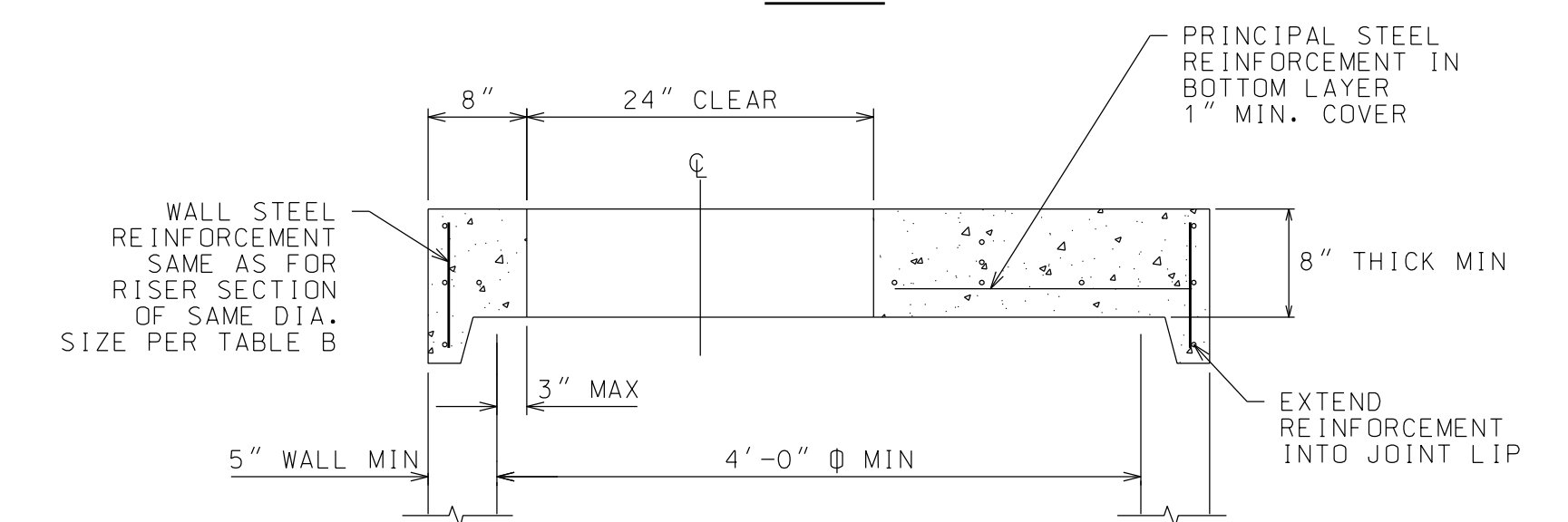
ACCEPTABLE MANHOLE STEPS *

MANUFACTURER	GROUTED IN POCKET STEPS ** PATTERN NO.	CAST IN PLACE STEPS ** PATTERN NO.
AMERICAN STEP	ML-13-NCR	
LANE	P-14850	
MA INDUSTRIES	PS2-PF	PS2-PF

* - LOCATE STEPS IN LINE OVER WIDEST PORTION OF BENCHWALL
** - EMBEDDED 4" INTO WALL, COAT EMBEDDED PORTION PLUS 1" (5" MIN.) W/ ASPHALT



PLAN



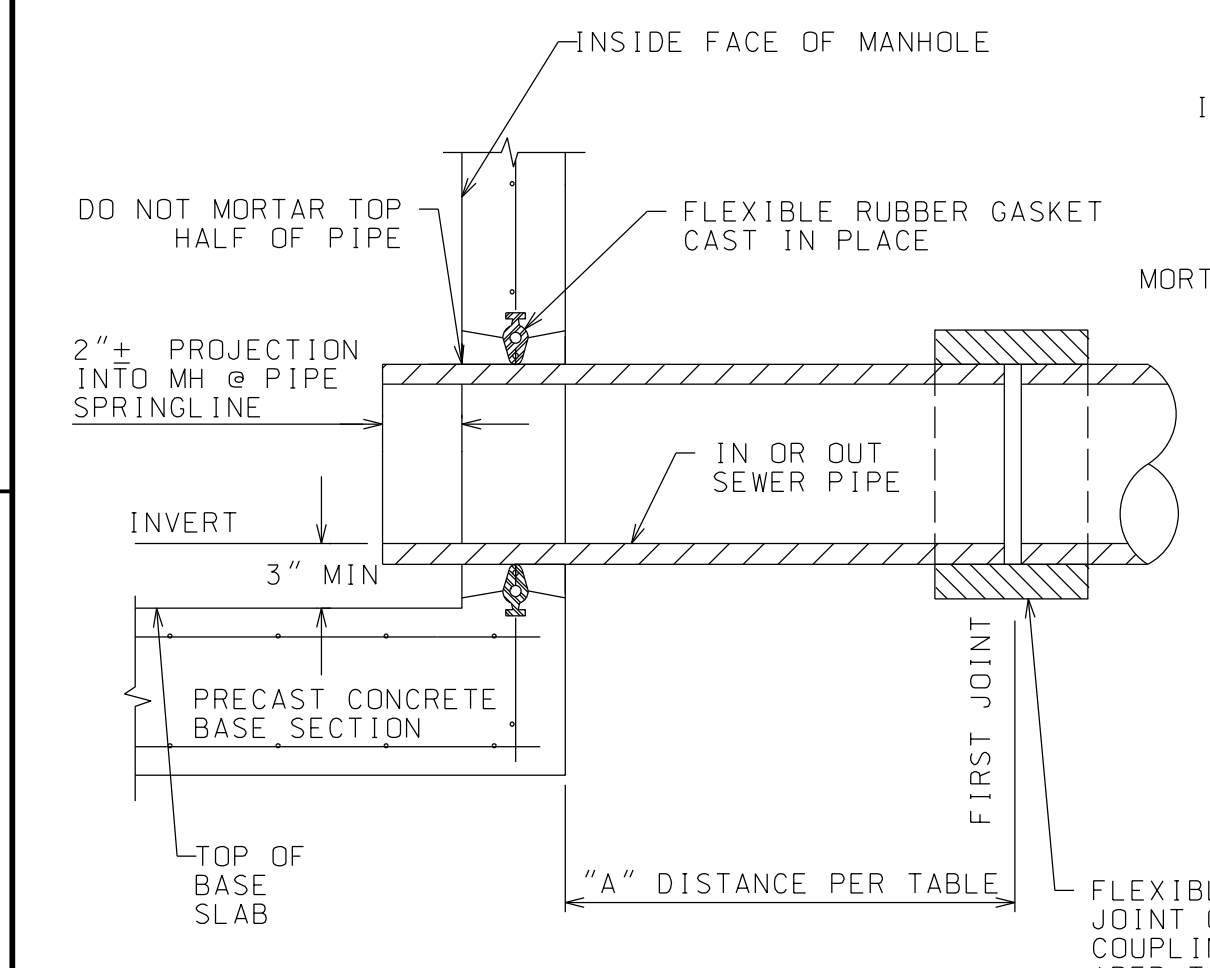
SECTION

PRINCIPAL STEEL REINFORCEMENT

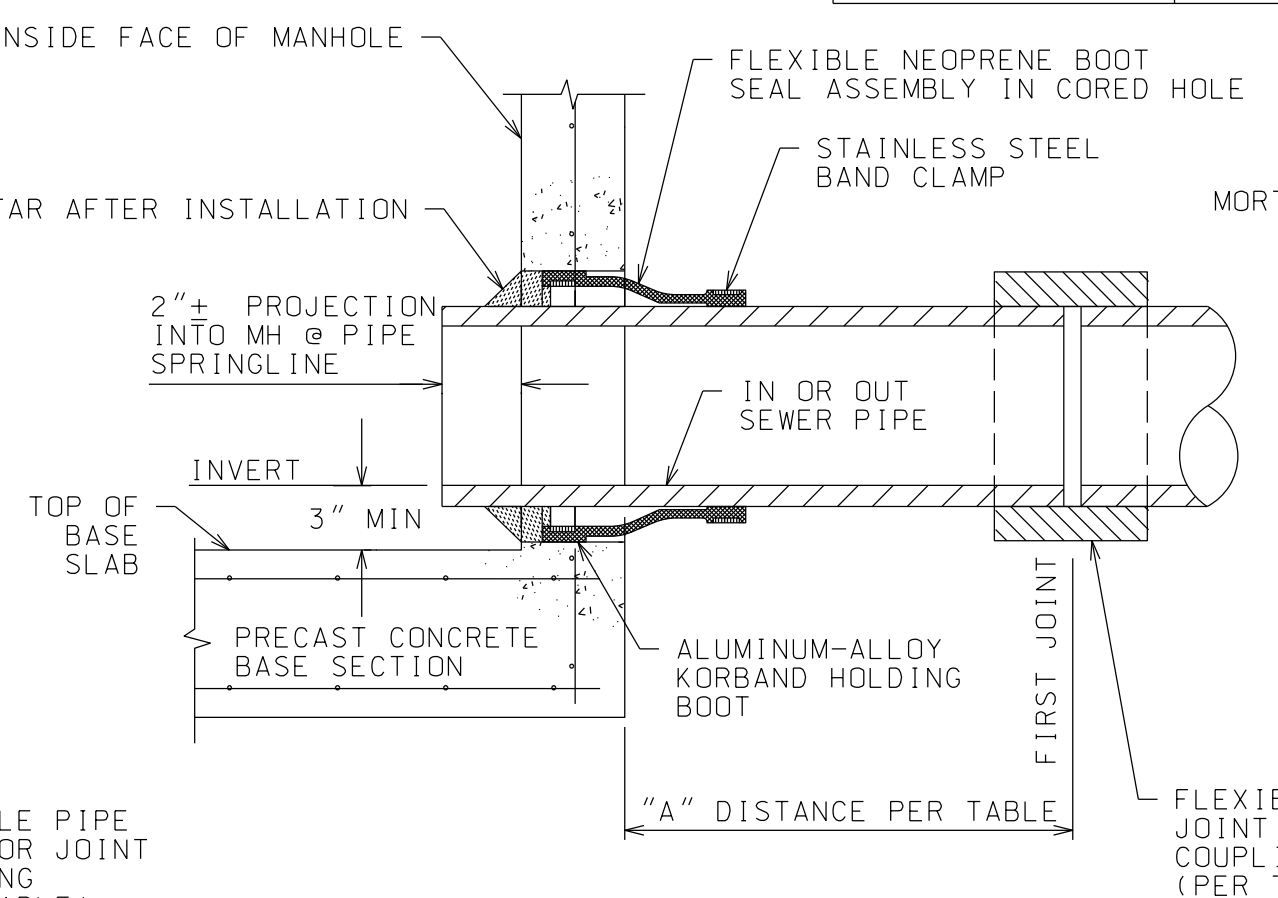
CONDITION	"A" BAR	"B" BAR	"C" BAR	"D" BAR
4 FT DIA MH-GRADE 40 STEEL	#4 @ 9 IN OC	#4 @ 6 IN OC	2- #4 @ 3 FT LG	1- #4 @ 5 FT LG
4 FT DIA MH-GRADE 60 STEEL	#4 @ 13 IN OC	#4 @ 9 IN OC	2- #4 @ 3 FT LG	1- #4 @ 5 FT LG
5 FT DIA MH-GRADE 40 STEEL	#5 @ 6 IN OC	#5 @ 6 IN OC	2- #5 @ 3.5 FT LG	1- #5 @ 5 FT LG
5 FT DIA MH-GRADE 60 STEEL	#5 @ 9 IN OC	#5 @ 9 IN OC	2- #5 @ 3.5 FT LG	1- #5 @ 5 FT LG

- NOTES:**
- USE ONLY WHEN CONE SECTION WILL NOT FIT ON SHALLOW MANHOLES.
 - USE AIR ENTRAINMENT CONCRETE 4000 PSI MIN.
 - FOR OTHER SIZES OF MANHOLE, PROVIDE SUBMITTAL.

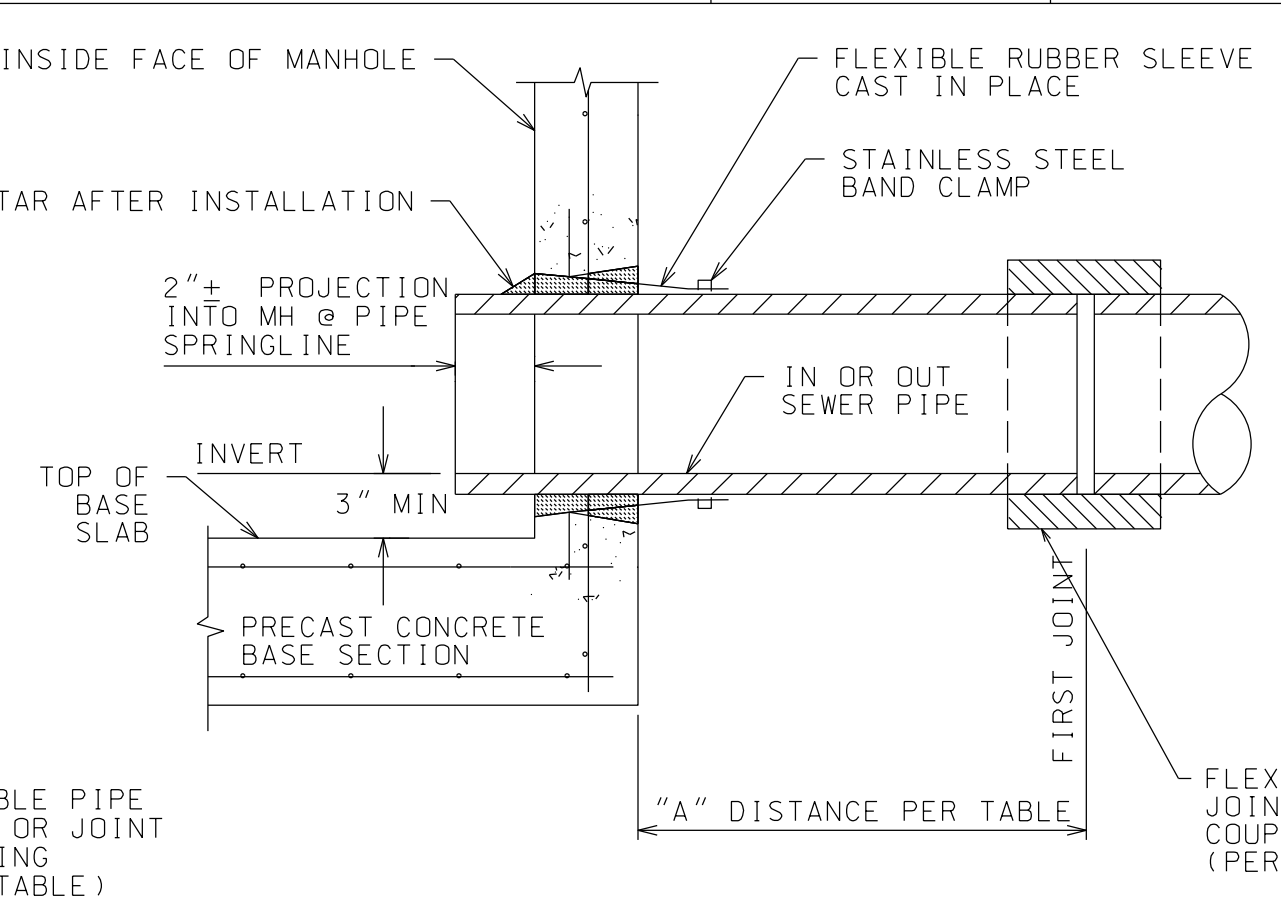
FLAT TOP CONCRETE SLAB
NTS



TYPE A

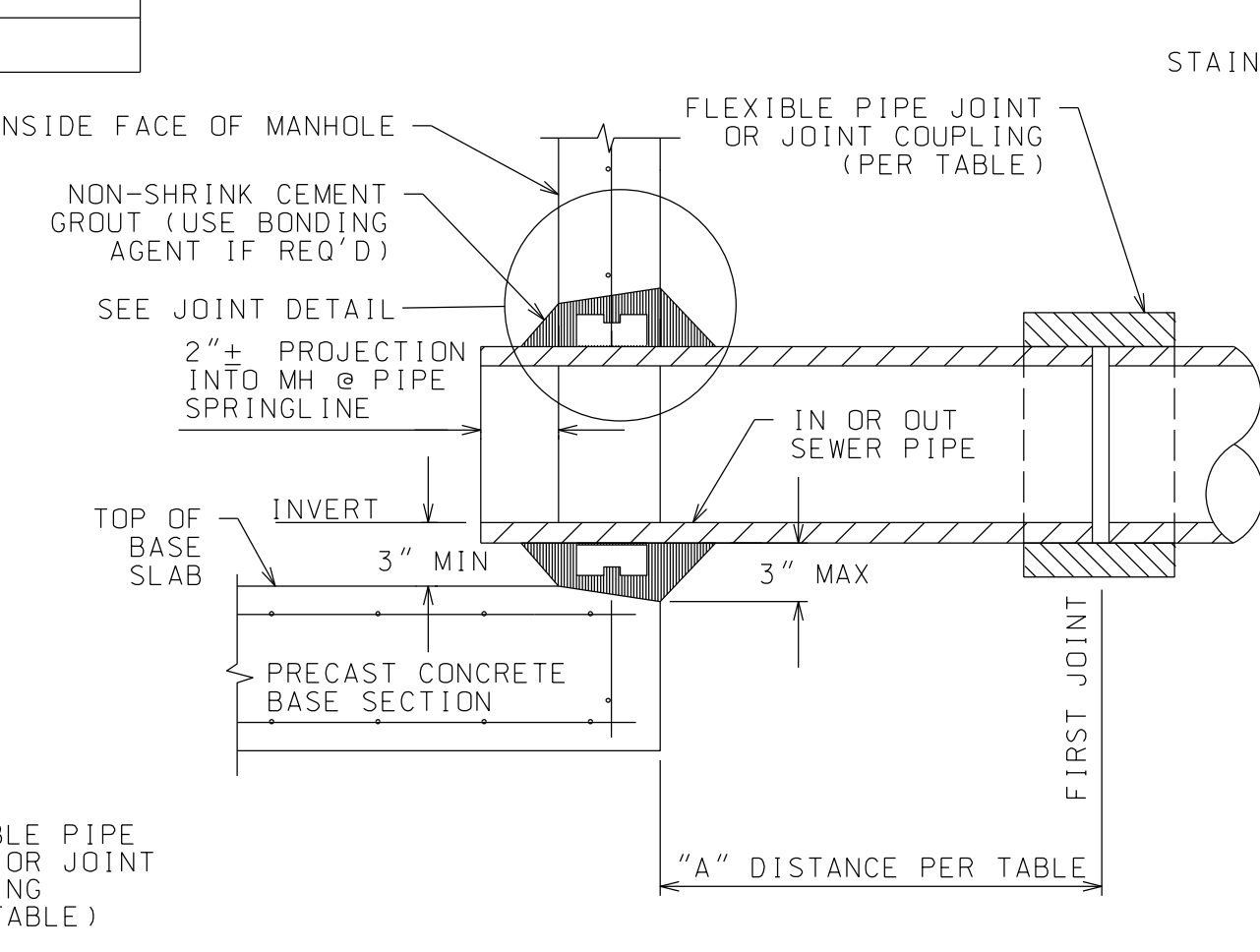


TYPE B

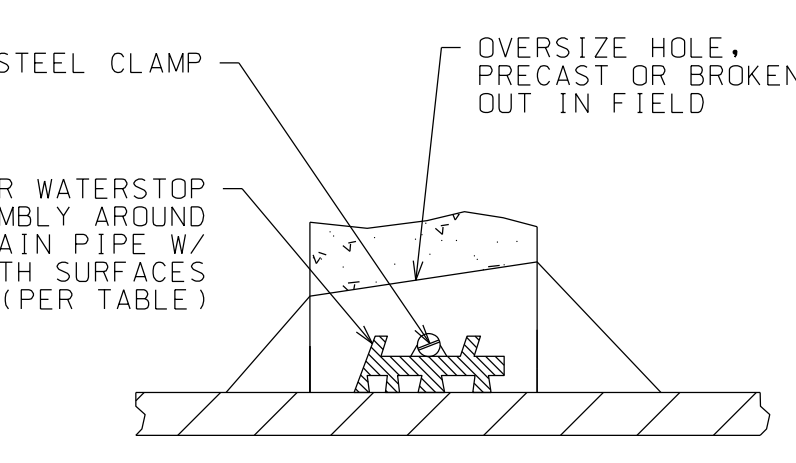


TYPE C

FLEXIBLE PIPE TO MH JOINT DETAIL
NTS



CEMENT GROUTED SEAL PIPE-TO-MH DETAIL
NTS



JOINT DETAIL
NTS

NOTE:
USE AT NO EXTRA COST IN PLACE OF ANY FLEXIBLE PIPE-TO-MH JOINT ONLY WHEN:
- CONNECTING TO EXISTING MH'S THAT HAVE NO FLEXIBLE PIPE-TO-MH JOINT PROVIDED
- REQUIRED BY FIELD CHANGES



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ORIGINAL 24"x36"

SEWER DETAILS



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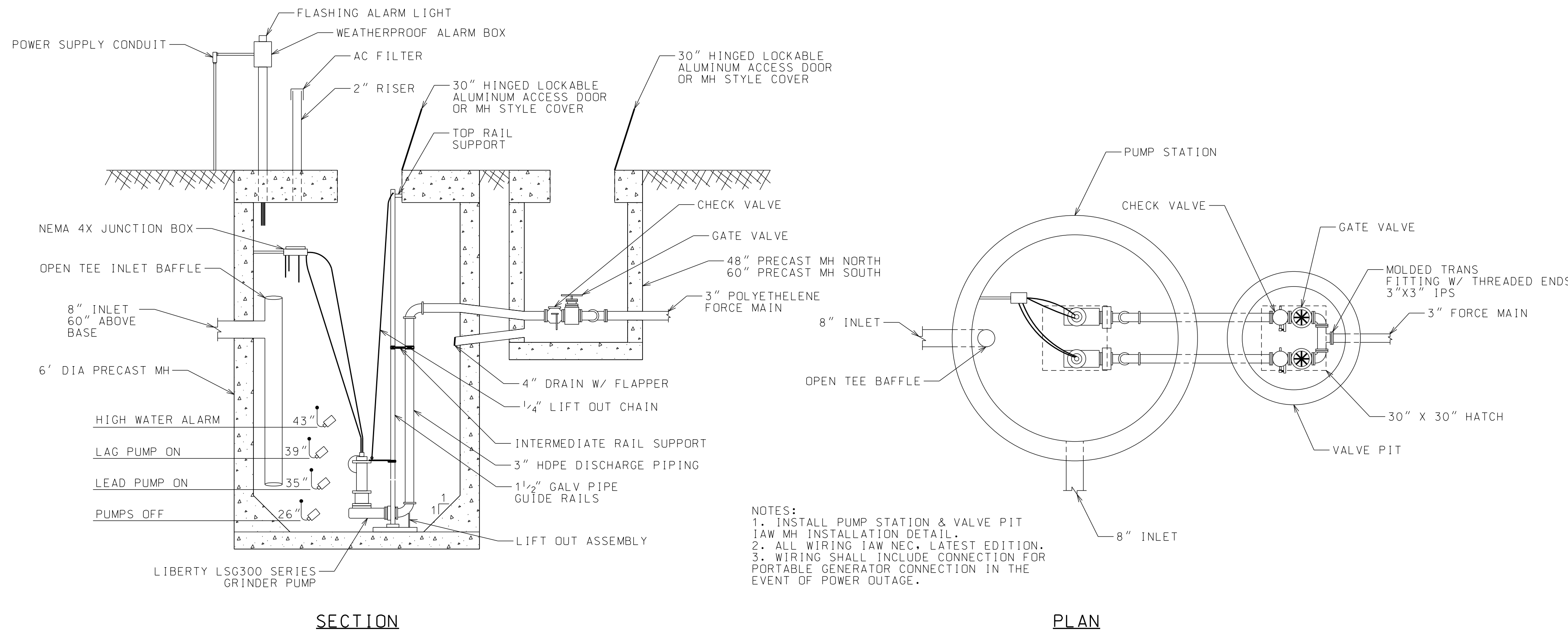
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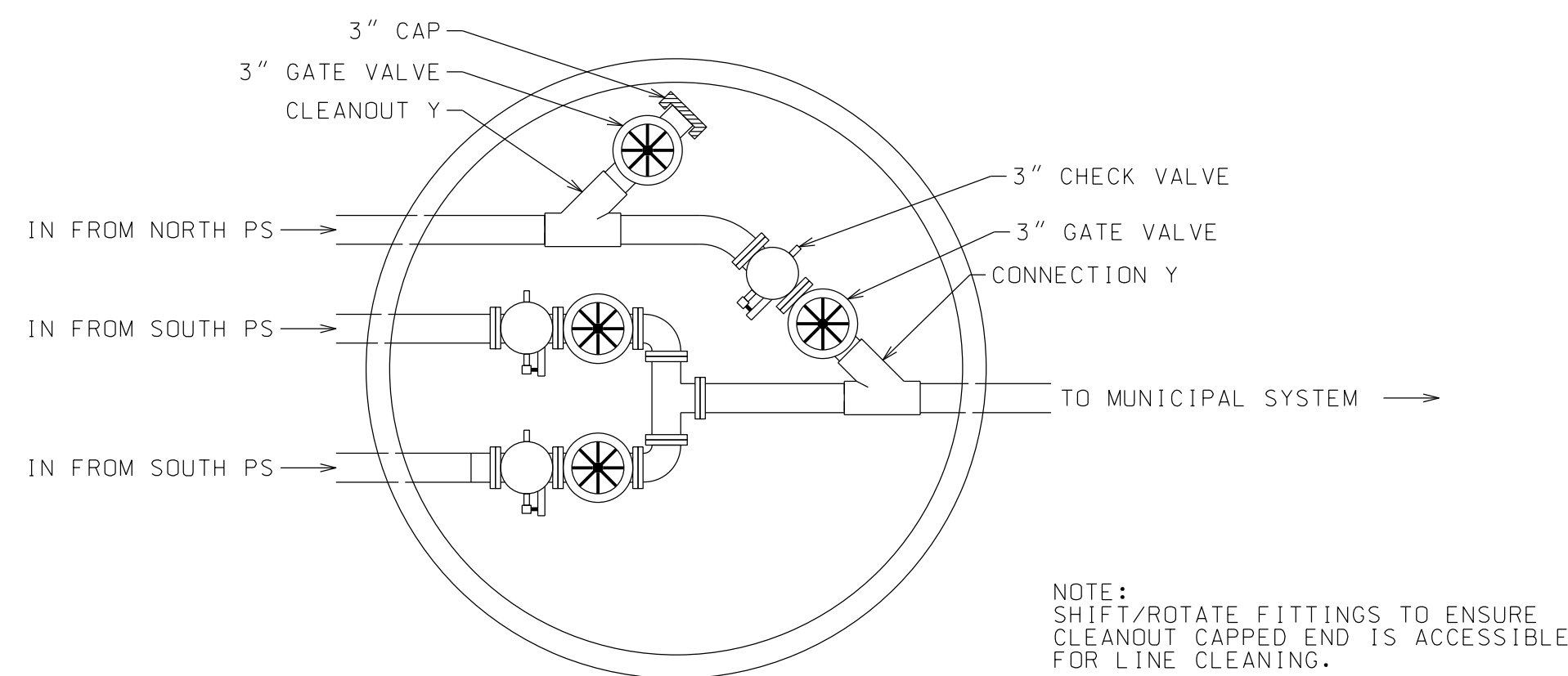
SEWER DETAILS

SHEET

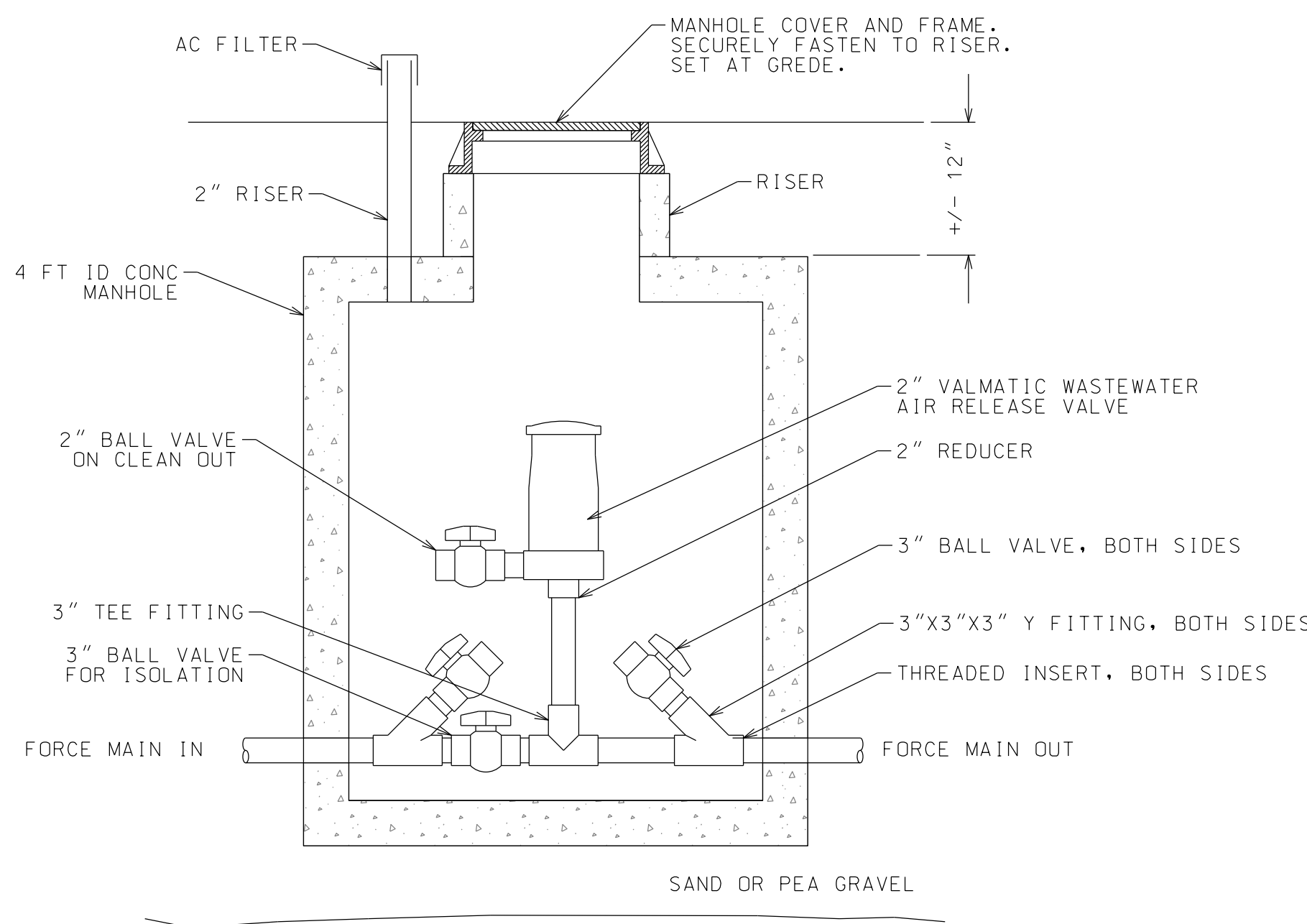
C309



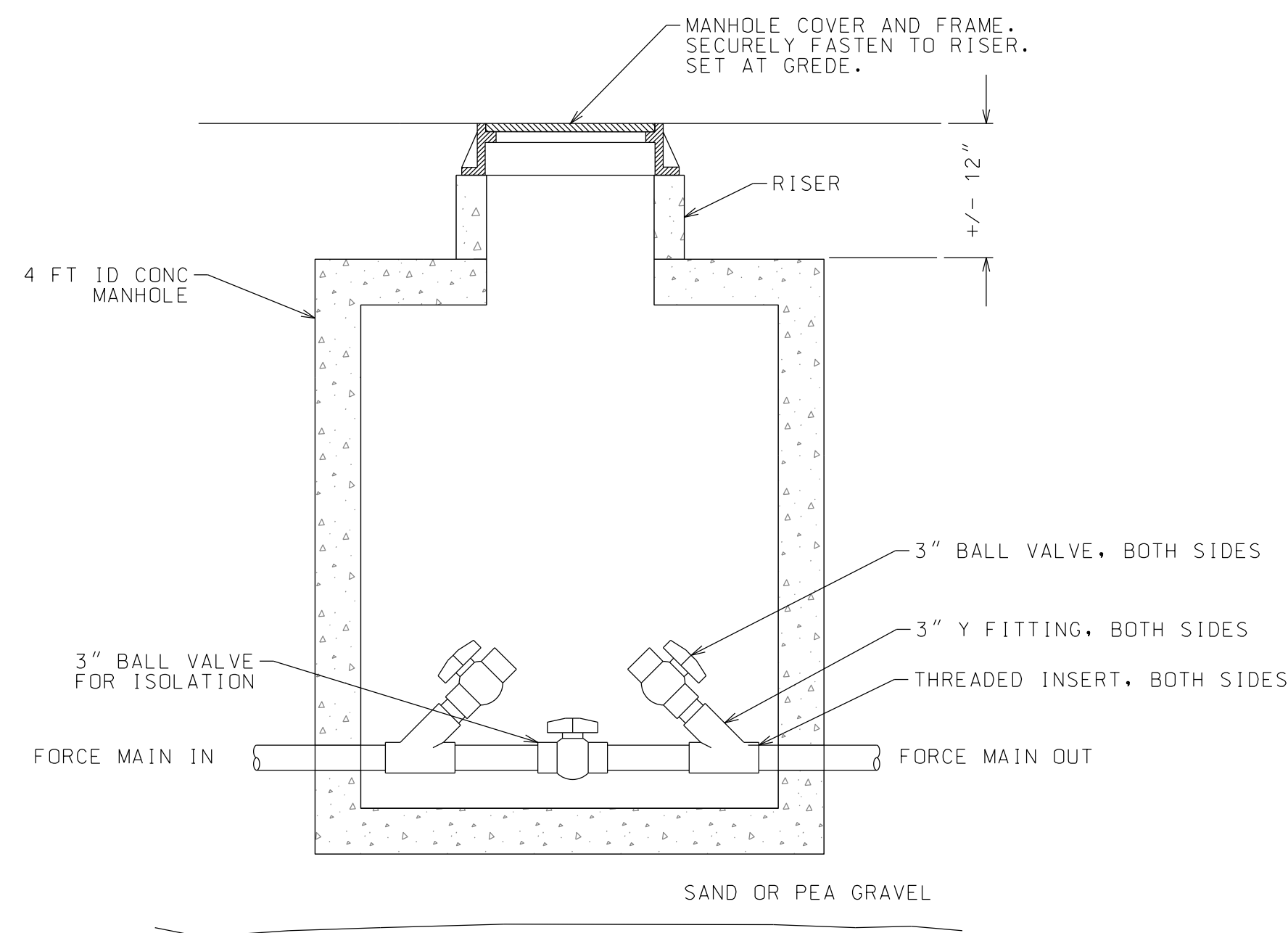
PUMP STATION DETAIL
NTS



SOUTHERN PS VALVE PIT &
FM CONNECTION DETAIL
NTS



AIR RELEASE STRUCTURE
NTS



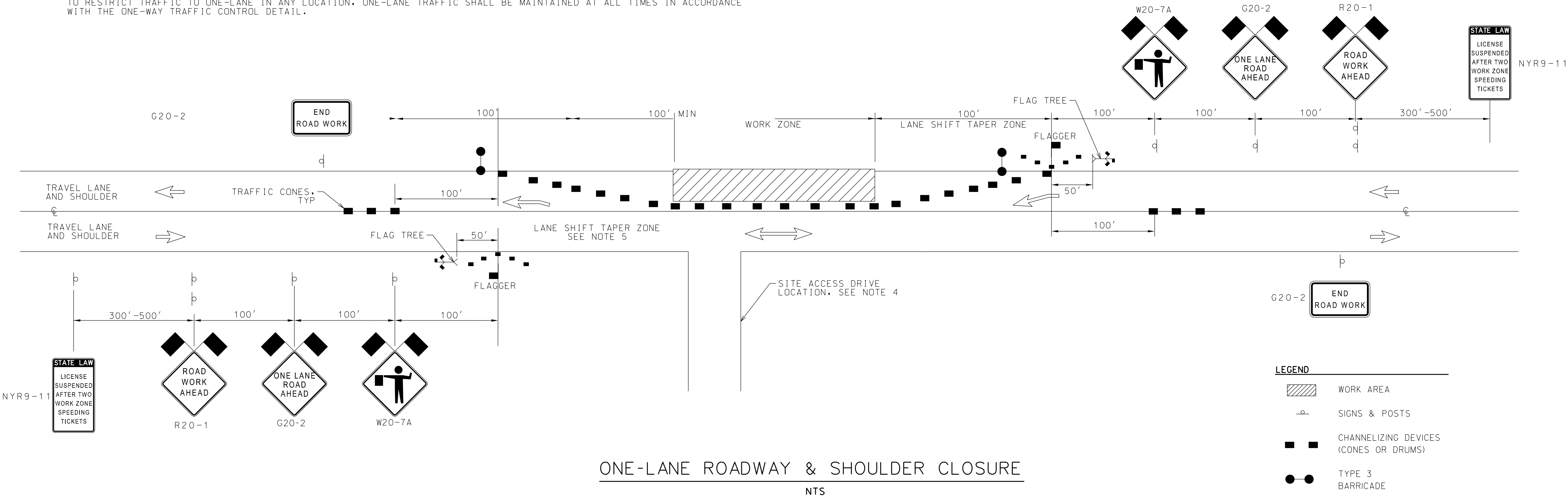
CLEANOUT STRUCTURE
NTS

GENERAL TRAFFIC CONTROL NOTES

1. THE TYPICAL DETAILS ON THIS SHEET AND THE REQUIREMENTS OF THE NYS MUTCD ARE MINIMUM REQUIREMENTS.
2. A FLAGGER SHALL BE PROVIDED IN THE AREAS INDICATED WHENEVER A LANE IS CLOSED.
3. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
4. THE CONTRACTOR SHALL USE MOVEABLE SIGNS AND RELOCATE THEM TO EACH WORK AREA.
5. DURING ALL CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAINTAIN ACCESS TO EACH ADJACENT SITE.
6. ACTUAL FIELD CONDITIONS MAY REQUIRE OTHER SIGNS AND OTHER ARRANGEMENTS OF SIGNS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE.
7. DISTANCES SHALL BE ADAPTED TO PREVAILING CONDITIONS.
8. DURING WORK HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED OR PLACED ON THE EDGE OF PAVEMENT OR WITHIN THE ROADSIDE CLEAR AREA (CURB-TO-CURB OR SHOULDER-TO-SHOULDER), EXCEPT IN A PROTECTED WORK ZONE.
9. PRIOR TO LEAVING THE WORK SITE EACH DAY, THE CONTRACTOR SHALL REMOVE OR PROTECT ANY PART OF THE WORK SITE THAT MAY BE CONSIDERED HAZARDOUS TO THE TRAVELING PUBLIC.
10. SIGNS THAT ARE NOT APPLICABLE AFTER WORKING HOURS SHALL BE REMOVED.
11. WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, TRAVEL LANE SHALL ALSO BE CLOSED.
12. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
13. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED, OR RESET, AS APPROVED BY THE OWNER'S REPRESENTATIVE. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
14. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
15. THE OWNER'S REPRESENTATIVE MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.
16. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.
17. WHERE DIRECTED BY THE OWNER'S REPRESENTATIVE, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
18. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN THE BUFFER SPACE.
19. FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
20. ALL FLAGGERS SHALL USE 24" (MIN) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF.
21. THE END OF ROAD WORK SIGN SHALL BE PLACED A MAX OF 500' PAST THE END OF THE WORK SPACE.
22. UNLESS PARKED WITHIN A PROTECTED WORK ZONE, VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL NOT BE PARKED WITHIN 30 FEET OF THE EDGE OF PAVEMENT ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC.
23. DURING NON-WORKING HOURS, CONSTRUCTION EQUIPMENT AND MATERIAL SHALL NOT BE STORED WITHIN 30 FEET OF THE EDGE OF PAVEMENT.
24. INTERSECTING VILLAGE & PRIVATE STREETS BETWEEN FLAGGERS MAY BE CLOSED DURING WORKING HOURS.
25. LANE SHIFT TAPER ZONE LENGTH SHOWN IS TYPICAL FOR 10 FT LATERAL LANE SHIFT - ACTUAL TAPER LENGTH (IN FEET) SHALL EQUAL THE LATERAL SHIFT (IN FEET) OF TRAFFIC TIMES THE DESIGN SPEED.
26. IF POSSIBLE, CONTRACTOR SHALL COMPLETE ALL WORK WHILE MAINTAINING TWO-WAY TRAFFIC. IF IT BECOMES NECESSARY TO RESTRICT TRAFFIC TO ONE-LANE IN ANY LOCATION, ONE-LANE TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE ONE-WAY TRAFFIC CONTROL DETAIL.

TRAFFIC CONTROL SIGN NOTES

1. GENERAL
ALL SIGNS, CONES, BARRELS, BARRICADES, AND CONCRETE BARRIERS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND THE NEW YORK STATE SUPPLEMENT. COMBINED THE TWO WILL COMPRISE THE MANUAL AND SPECIFICATIONS FOR A UNIFORM SYSTEM OF TRAFFIC CONTROL DEVICES REQUIRED BY STATE LAW. FOR THE PURPOSES OF THESE NOTES, THE TWO COMBINED SHALL BE KNOWN AS THE MUTCD.
2. SIGN SUPPORT
THE CONTRACTOR SHALL SUPPLY ADEQUATE SUPPORTS SO THAT THE SIGNS ARE IN PROPER POSITION AND ALIGNMENT AS SHOWN IN THE MUTCD. ALL SUPPORTS SHALL BE PAINTED WHITE.
3. SIGN PANELS
ALL SIGN NUMBERS REFER TO THE MUTCD. THE SIGN PANELS MAY BE MADE OF ALUMINUM, STEEL, OR PLYWOOD. THE BACKS OF ALL WOOD SIGN PANELS SHALL BE PAINTED WHITE. TYPE/SIZE "C" PANELS SHALL BE USED AS A MINIMUM.
4. SIGN FACE
COLOR - THE COLOR OF THE BACKGROUND AND THE LEGEND OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD. THE MARGIN SHALL BE OF THE SAME COLOR SPECIFIED FOR THE BACKGROUND. THE BORDER SHALL BE OF THE SAME COLOR AS THE LEGEND.
SHAPE - THE SHAPE OF ALL THE SIGNS SHALL BE IN ACCORDANCE WITH MUTCD. SIGNS SHALL HAVE ROUNDED CORNERS.
REFLECTORIZATION - ALL SIGNS SHALL BE REFLECTORIZED USING HIGH INTENSITY REFLECTORIZED TAPE OR PAINT. ALL SIGNS SHALL BE CLEANED AND MAINTAINED REGULARLY. ALL SIGNS NOT MEETING PROPER REFLECTION REQUIREMENTS SHALL BE REPLACED.
LETTERING AND BORDERS - SIGN LETTERING, BORDERS, AND MARGINS SHALL BE IN ACCORDANCE WITH THE MUTCD.
5. SIGN LOCATION
ALL SIGNS SHALL BE LOCATED AS SHOWN ON THIS SHEET OR AS DIRECTED BY THE ENGINEER. SIGNS SHALL BE GENERALLY LOCATED ON THE RIGHT SIDE OF THE HIGHWAY FACING APPROACHING TRAFFIC. THE NEAR EDGE OF THE SIGN SHALL BE BETWEEN 6 AND 12 FEET FROM NEAREST EDGE OF THE TRAVELED ROADWAY OR BETWEEN 2 AND 12 FEET FROM THE FACE OF THE VERTICAL CURB. SIGNS SHOULD GENERALLY BE PLACED AT RIGHT ANGLES TO TRAFFIC. ROADSIDE SIGNS SHOULD BE MOUNTED SO THAT THE BOTTOM OF THE SIGN IS APPROXIMATELY 8 FEET ABOVE THE EDGE OF PAVEMENT. SIGNS MOUNTED ON BARRICADES OR TEMPORARY SIGNS IN THE ROADWAY MAY BE AT LOWER HEIGHTS. ALL SIGNS SHALL BE LOCATED SO AS TO BE PLAINLY VISIBLE TO TRAFFIC.
6. MAINTENANCE
THE CONTRACTOR SHALL KEEP SIGNS CLEANED AND CLEARED AT ALL TIMES. ALL SIGNS SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE REMOVED FROM THE WORK SITE WHEN THE CONTRACT WORK IS ACCEPTED.



ONE-LANE ROADWAY & SHOULDER CLOSURE
NTS



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PROJECT NAME
HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE, LAKE PLACID, NY

LOCATION

LAKE PLACID, NY

DATE	ISSUED FOR	REV
12/12/25	PERMITTING	

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE
TRAFFIC CONTROL
LANE CLOSURE
PLAN

SHEET

C310



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HOMESTEAD DEVELOPMENT CORP
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PROJECT #: 25-073
ORIGINAL 24"x36"

TITLE

TRAFFIC CONTROL
SHOULDER
CLOSURE PLAN

SHEET

C311

TRAFFIC NOTES

- WHENEVER A LANE IS CLOSED, A FLAGGER SHALL BE PROVIDED IN THE AREAS INDICATED.
- ALL OPEN EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
- THE CONTRACTOR SHALL USE MOVEABLE SIGNS AND RELOCATE THEM TO EACH WORK AREA.
- DURING ALL CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAINTAIN ACCESS TO EACH ADJACENT SITE. IF CONDITIONS REQUIRE ACCESS TO BE TEMPORARILY CLOSED, THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE. ALL ACCESS DRIVES SHALL BE OPEN FOR SAFE USE AT THE END OF EACH WORK DAY.
- ACTUAL FIELD CONDITIONS MAY REQUIRE OTHER SIGNS AND OTHER ARRANGEMENTS OF SIGNS.
- DISTANCES SHALL BE ADAPTED TO PREVAILING CONDITIONS.
- UNLESS PARKED WITHIN A PROTECTED WORK ZONE, VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL NOT BE PARKED WITHIN 30 FEET OF THE EDGE OF PAVEMENT ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC.
- DURING WORK HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED OR PLACED ON THE EDGE OF PAVEMENT OR WITHIN THE ROADSIDE CLEAR AREA (CURB-TO-CURB OR SHOULDER-TO-SHOULDER), EXCEPT IN A PROTECTED WORK ZONE.
- PRIOR TO LEAVING THE WORK SITE EACH DAY, THE CONTRACTOR SHALL REMOVE OR PROTECT ANY PART OF THE WORK SITE THAT MAY BE CONSIDERED HAZARDOUS TO THE TRAVELING PUBLIC.
- SIGNS THAT ARE NOT APPLICABLE AFTER WORKING HOURS SHALL BE REMOVED.
- DURING NON-WORKING HOURS, CONSTRUCTION EQUIPMENT AND MATERIAL SHALL NOT BE STORED WITHIN 30 FEET OF THE EDGE OF PAVEMENT.
- IN ADDITION TO THE REQUIREMENTS ON THIS SHEET, CONTRACTOR SHALL FOLLOW THE NOTES ATTACHED TO THE NYS DOT HIGHWAY WORK PERMIT INCLUDED IN THE PROJECT SPECIFICATIONS, AND ANY NEW TRAFFIC SAFETY REQUIREMENTS OF THE NYS DOT.
- CONTRACTOR, AND APPLICABLE SUB CONTRACTORS, SHALL BE REQUIRED TO ATTEND ALL PRE-CON AND PRE BLAST MEETINGS NEEDED TO FUFILL REQUIREMENTS OF HIGHWAY WORK PERMIT.

