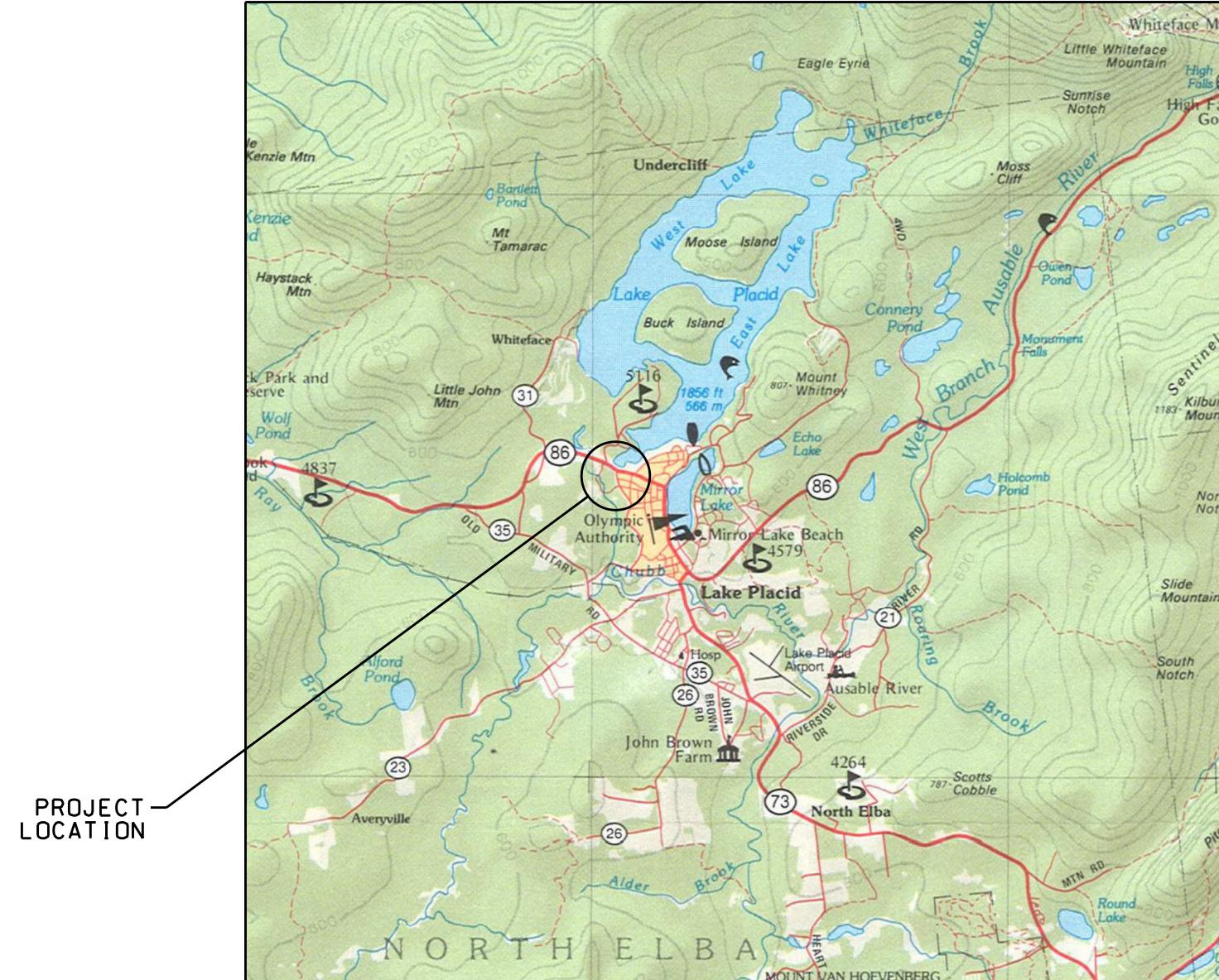


HOMESTEAD DEVELOPMENT CORP.

NORTH ELBA, NY

FOX HILL



LOCATION MAP

North Woods
Engineering PLLC

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

New York State Certified
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"ALTERED" BY FOLLOWED BY THEIR SIGNATURE AND
THE DATE OF ALTERATION, AND A SPECIFIC
DESCRIPTION OF THE ALTERATION.



RECEIVED
Date: January 29, 2026

HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL CONQUIN DRIVE • LAKE PLACID, NY

LIST OF ABBREVIATIONS

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



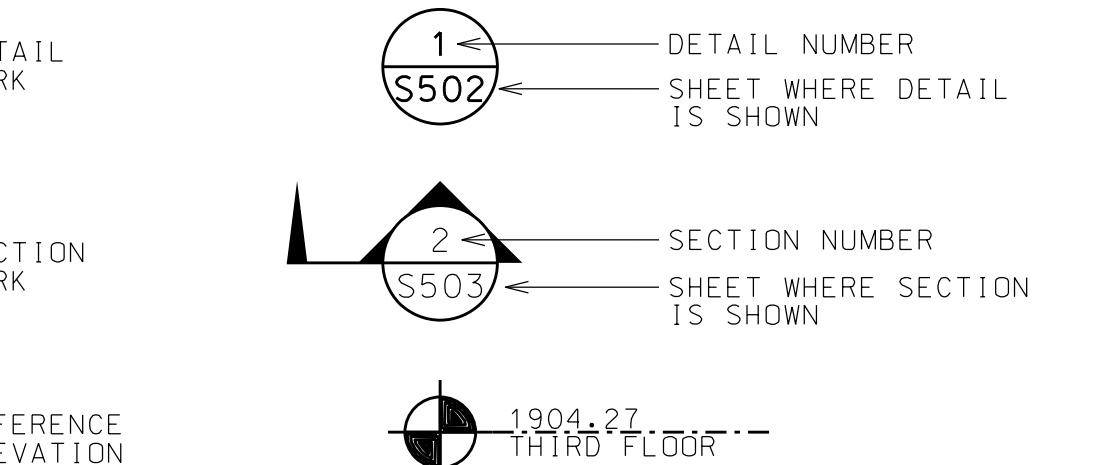
Department of
Environmental
Conservation

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

DRAWING LIST

SHEET	TITLE	REVISION	DATE
COV	COVER	A	01/14/26
SURV	TOPOGRAPHIC SURVEY (MARVIN LAND SURVEYING)		10/01/25
SURV	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 0+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



GENERAL NOTES

1. SITE PLAN BASED UPON SURVEY FROM ROBERT M. MARVIN, JR. LAND SURVEYOR, MOST RECENTLY UPDATED ON 2 OCTOBER 2025.
2. BASIS FOR ELEVATION FROM SURVEY.
3. NOTIFY ENGINEER AT (518)891-4975 MINIMUM 3 WORKING DAYS PRIOR TO STARTING WORK.
4. CONTRACTOR RESPONSIBLE FOR DEWATERING AS NEEDED. DEWATERING DISCHARGE SHALL BE IAW PERMIT CONDITIONS AND INTO APPROPRIATE CONTAINMENT.
5. COORDINATE WITH OWNER FOR TEMPORARY STAGING AND PARKING AREAS.
6. CONTRACTOR RESPONSIBLE TO CALL UDIG NEW YORK MINIMUM 3 WORKING DAYS PRIOR TO STARTING WORK.
7. 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.
8. CONDUCT ALL EXCAVATION IAW OSHA STANDARDS.
9. OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
10. 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.
11. APA FLAGGED WETLANDS SHALL REMAIN UNDISTURBED, UNLESS SPECIFICALLY NOTED OTHERWISE.
12. OBTAIN INDEPENDENT LOCATOR SERVICE PRIOR TO ANY EXCAVATION, IF NEEDED.
13. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO CONSTRUCTION.
14. 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

1. THAT THE PROPOSED FACILITIES FOR WATER SUPPLY AND SEWAGE COLLECTION ARE INSTALLED IN CONFORMITY WITH SAID PLANS.
2. 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.
3. 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.

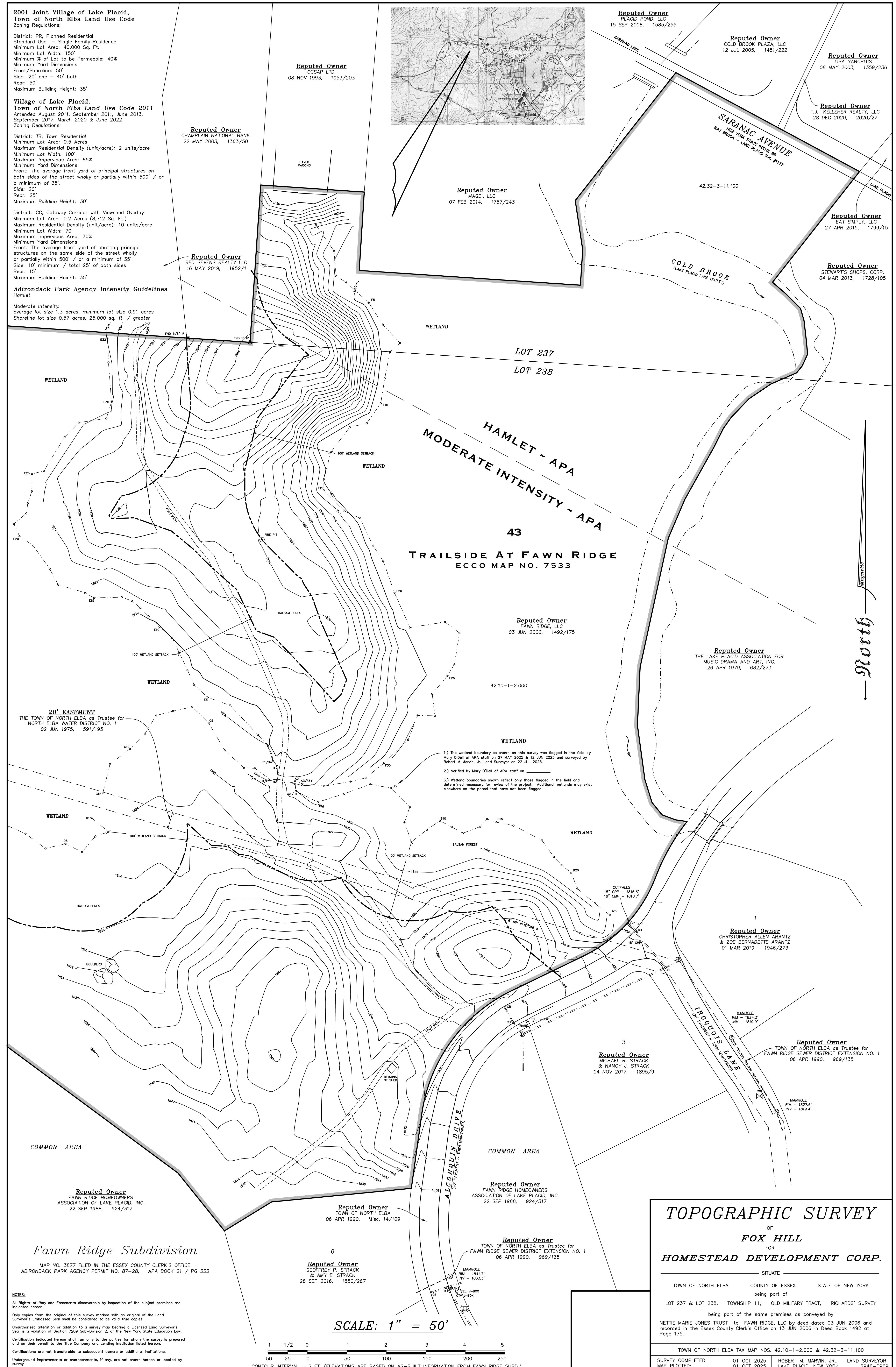
4. THAT THE PUBLIC WATER SUPPLY AND COMMUNITY SEWERAGE IMPROVEMENTS SERVING THIS SUBDIVISION SHALL BE INSPECTED FOR COMPLIANCE WITH THE APPROVED PLANS AT THE TIME OF CONSTRUCTION BY A NEW YORK LICENSED PROFESSIONAL (PE, RA OR EXEMPT LS) AND WRITTEN CERTIFICATION TO THAT EFFECT SHALL BE SUBMITTED TO THE NYS DEPARTMENT OF HEALTH AND THE LOCAL BUILDING CODE ENFORCEMENT OFFICER WITHIN 30 DAYS AND PRIOR TO OCCUPANCY.
5. THAT PLAN APPROVAL IS LIMITED TO FIVE YEARS FROM THE DATE OF APPROVAL, AND SHALL EXPIRE ON [REDACTED]. 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.
6. 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.
7. THAT ALL LOCAL AND OTHER STATE AGENCY RULES AND REGULATIONS SHALL BE COMPLIED WITH.

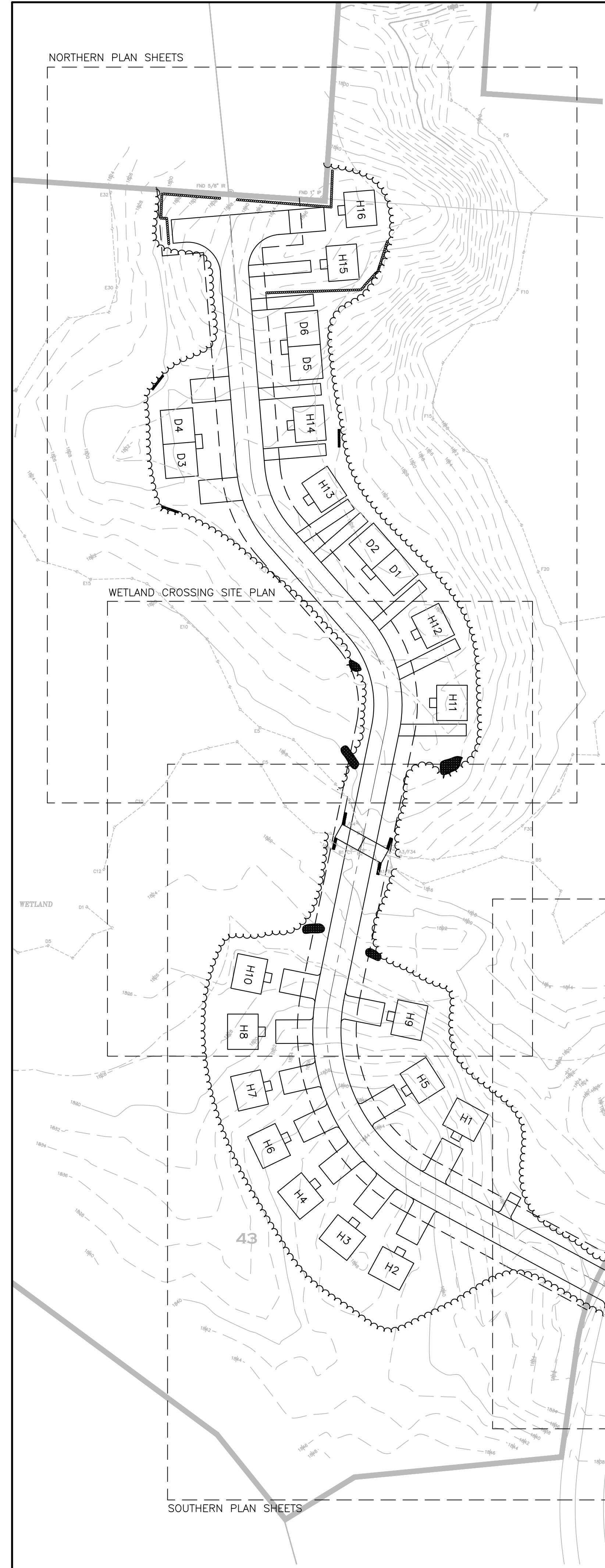
DATE	ISSUED FOR	REV
12/12/25	PERMITTING	
1/14/26	APA CHANGES	A

1/29/26 APA CHANGES B

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24" x 36"
TITLE
COVER

SHEET
COV





BUILDING SCHEDULE								
MARK	TYPE	FOOTPRINT (SF)	FFE	AVG GRADE TO ROOF MIDPOINT	PROPERTY LINE SETBACK	ROW SETBACK	NEW/EXIST GRADE	APA BUILDING HEIGHT
H1	CAPE	780	34.50	18.00	8.40	35.00	32.40	25.10
H2	CAPE	780	34.40	18.40	6.90	30.20	32.00	25.40
H3	CAPE	780	35.90	18.50	8.40	35.00	34.00	24.90
H4	CAPE	780	36.70	18.00	6.90	28.70	35.20	25.50
H5	CAPE	780	36.50	18.50	8.70	35.00	35.30	24.20
H6	CAPE	780	36.20	17.20	8.70	35.00	35.20	24.00
H7	CAPE	780	34.50	18.50	8.70	35.00	34.30	23.20
H8	CAPE	780	32.00	18.00	8.50	35.00	32.00	23.00
H9	CAPE	780	34.50	19.50	8.50	35.00	29.50	28.00
H10	CAPE	780	31.80	18.80	7.50	27.70	28.50	26.30
H11	CAPE	780	26.50	18.30	8.90	14.90	24.50	25.00
H12	CAPE	780	27.90	18.00	4.70	15.10	26.20	24.70
H13	CAPE	780	29.90	18.00	4.60	15.00	28.70	24.20
H14	CAPE	780	32.30	18.50	4.30	15.00	30.00	25.30
H15	CAPE	780	44.50	18.60	5.20	54.10	41.90	25.60
H16	CAPE	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

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STATE OF NEW YORK
JOSEPH A. GARDNER
LICENSED PROFESSIONAL ENGINEER
075493

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

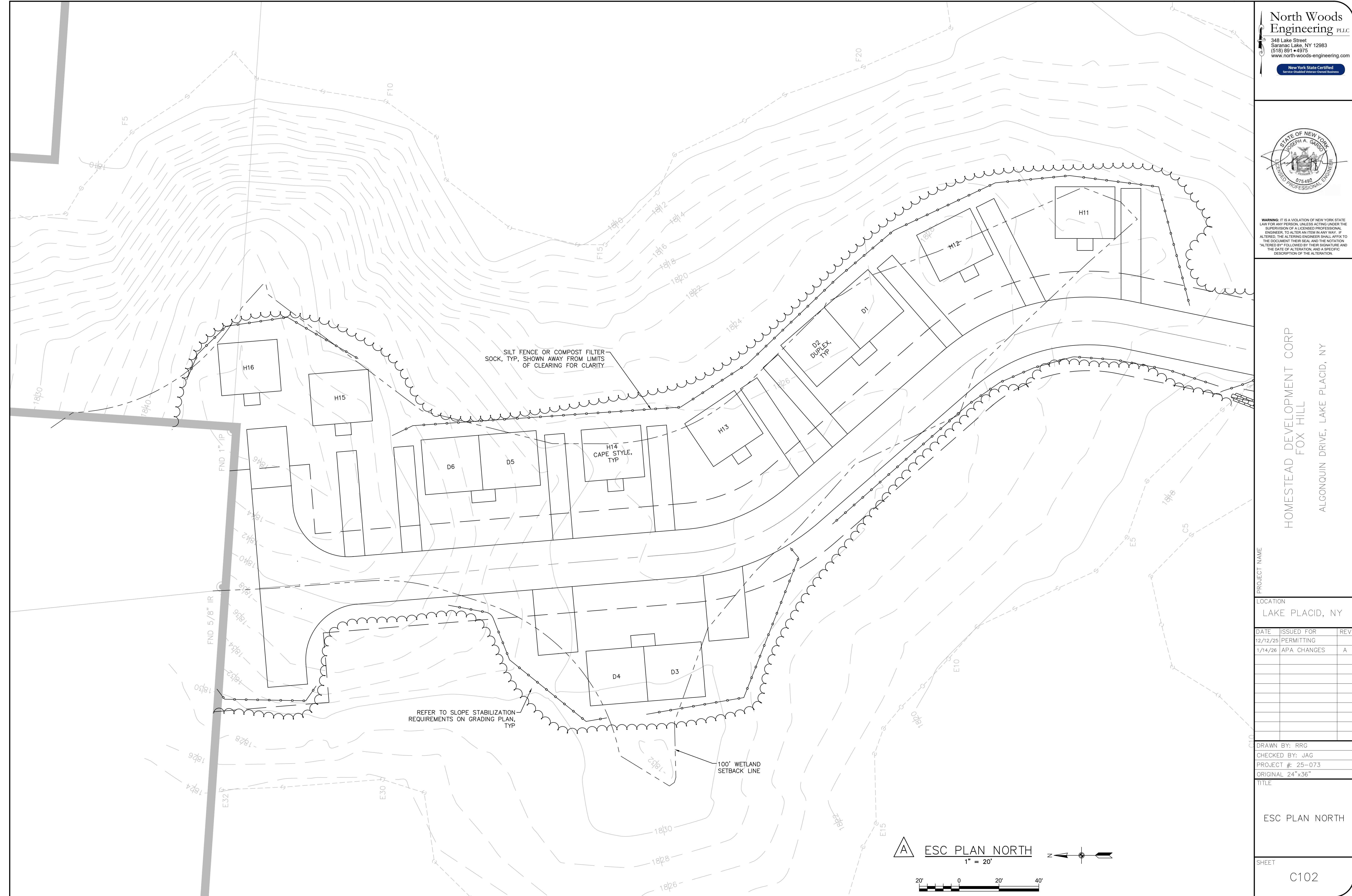
LOCATION: LAKE PLACID, NY

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

DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24" x 36"
TITLE: OVERALL SITE PLAN

SHEET: C100





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HOMESTEAD DEVELOPMENT CORP
FOX HILL

ALGONQUIN DRIVE, LAKE PLACID, NY

ATION
AKE PLACID, NY

ISSUED FOR	REV
/25 PERMITTING	
/26 ARA CHANGES	A

WN BY: RRG
CKED BY: JAG
JECT #: 25-073
GINAL 24"x36"
=

ITE PLAN SOUTH

三

- 1.) The wetland boundary as shown by Mary O'Dell of APA staff on 2' Robert M Marvin, Jr. Land Survey
- 2.) Verified by Mary O'Dell of APA
- 3.) Wetland boundaries shown determined necessary for review elsewhere on the parcel that have



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

ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION
LAKE PLACID, NY

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

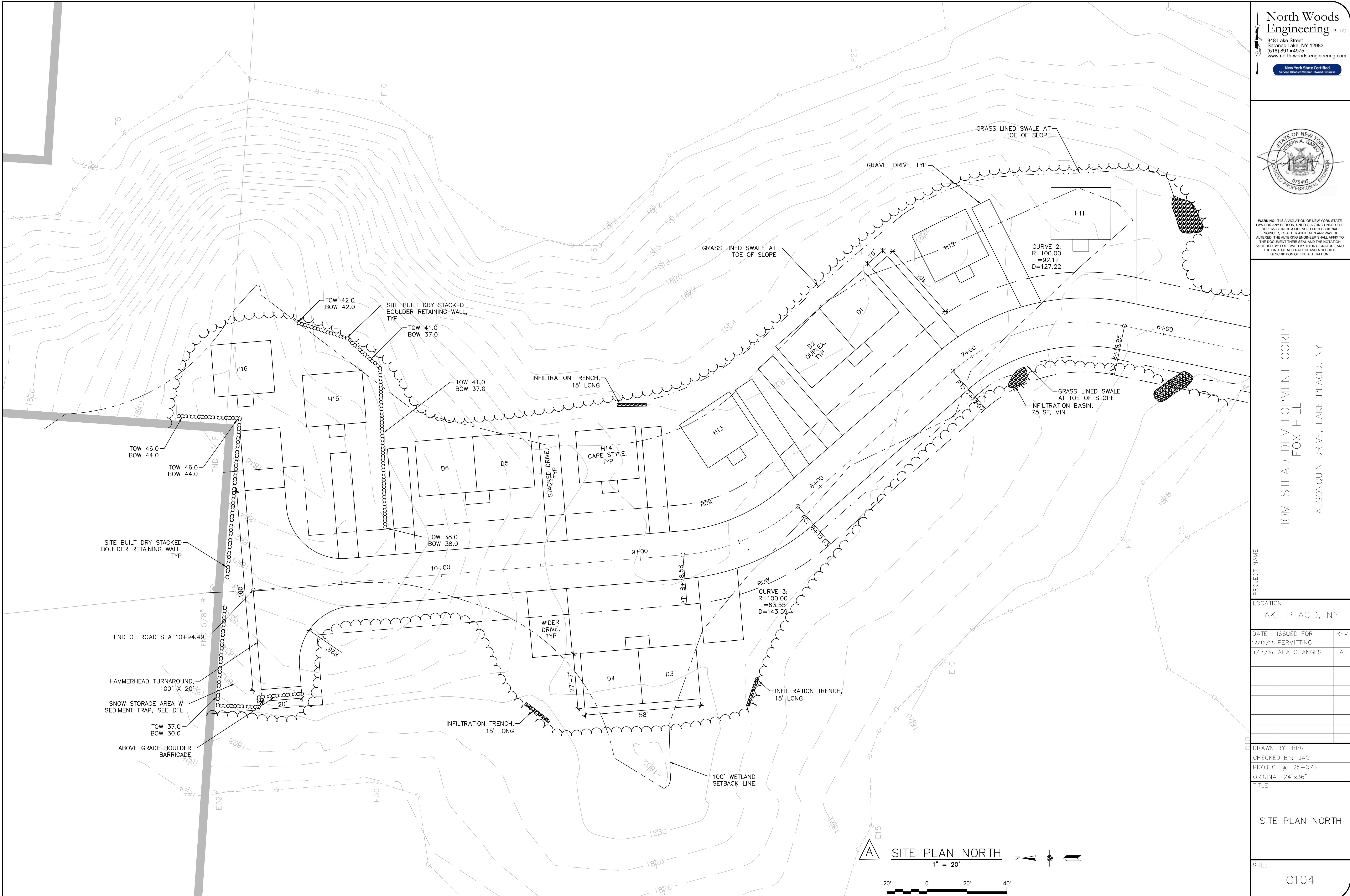
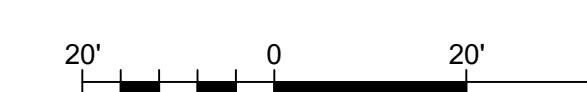
DRAWN BY: RRG
CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24" x 36"
TITLE

SITE PLAN NORTH

SHEET
C104

SITE PLAN NORTH

1" = 20'





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

ALGONQUIN DRIVE, LAKE PLACID, NY

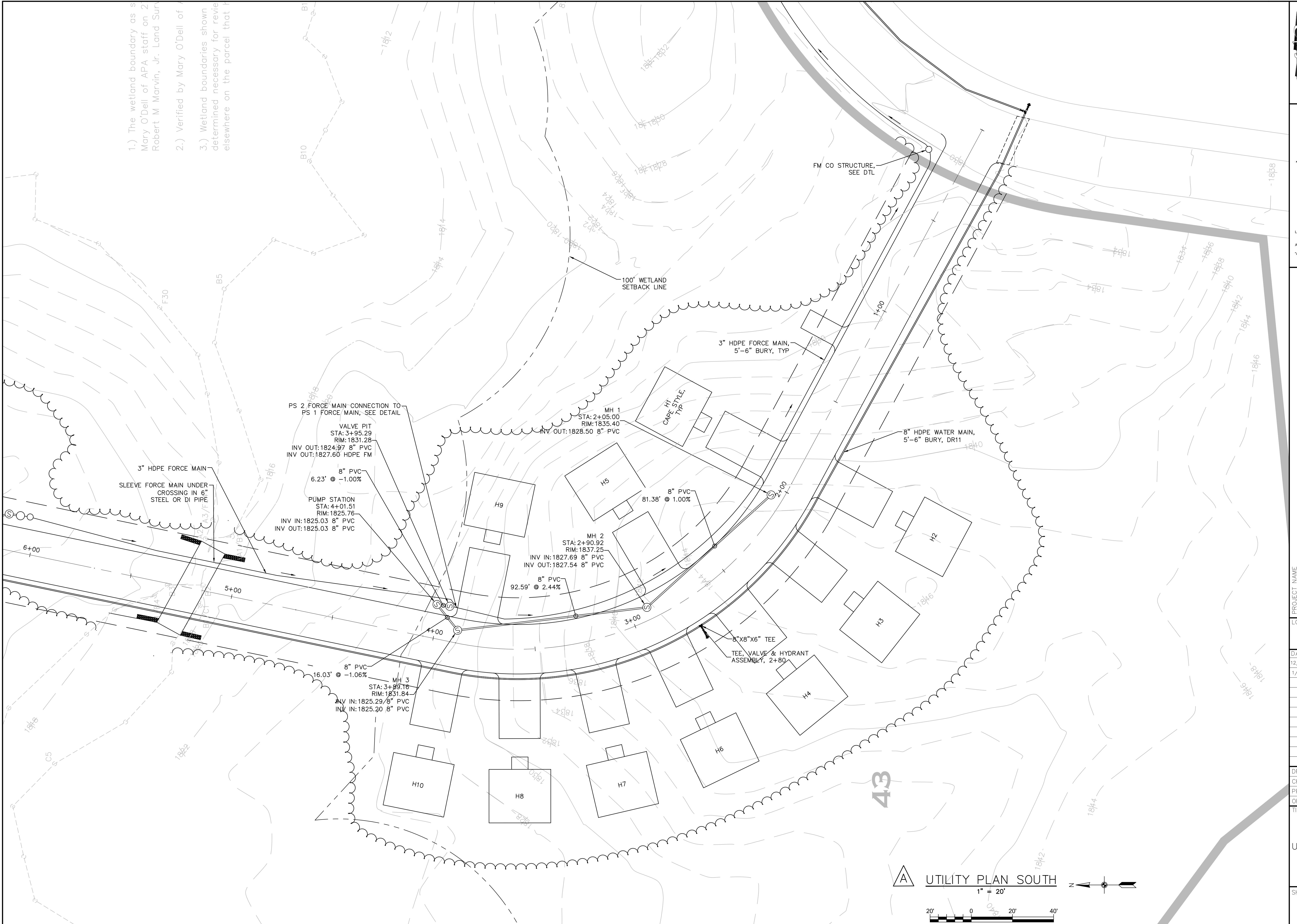
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LOCATION LAKE PLACID, NY

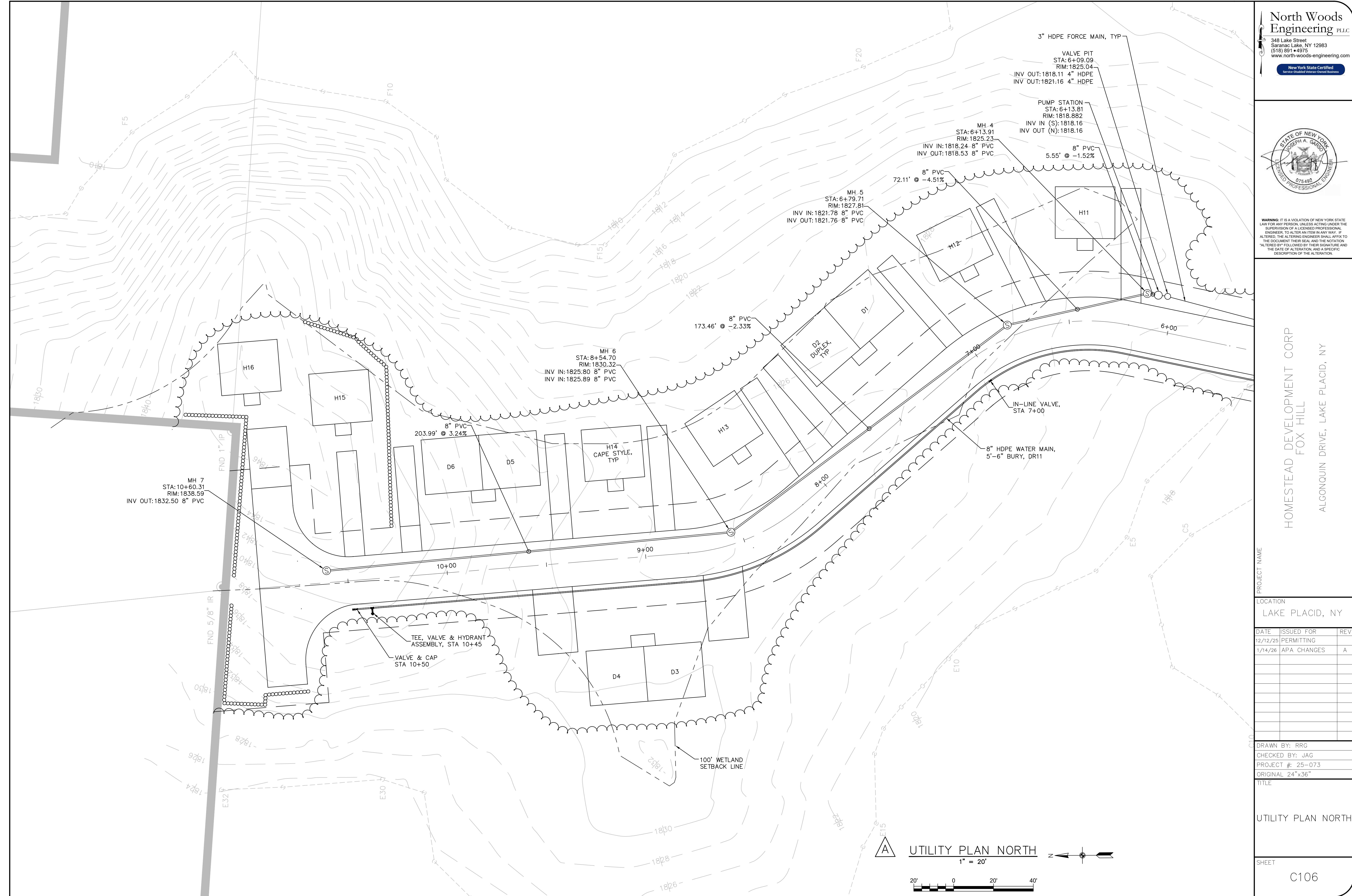
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1/14/26 APA CHANGES A

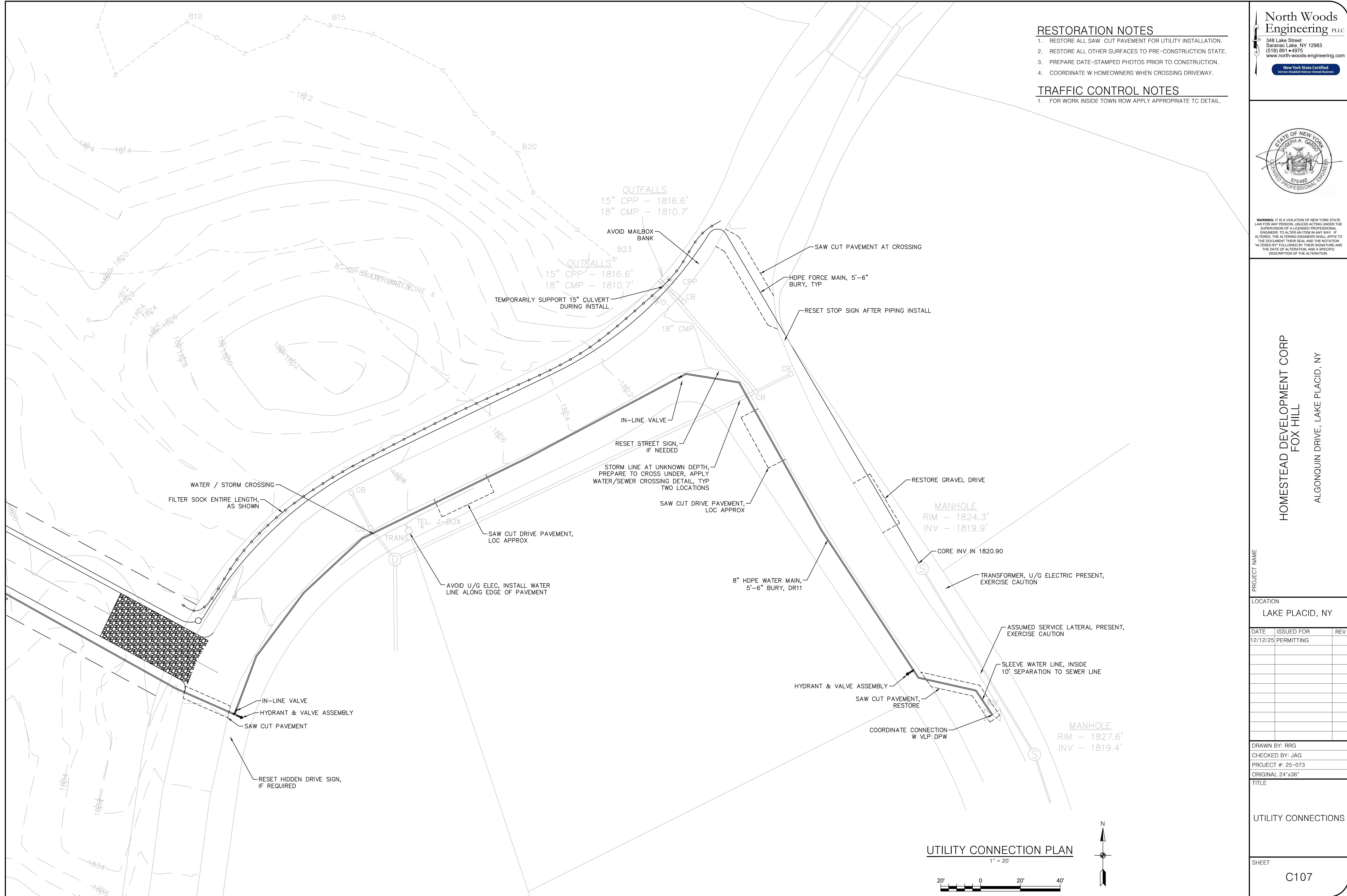
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CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24" x 36"
TITLE

UTILITY PLAN SOUTH

SHEET C105









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

ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME

LOCATION
LAKE PLACID, NY

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

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PROJECT #: 25-073
ORIGINAL 24" x 36"
TITLE

GRADING PLAN
NORTH

HEET
C109

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

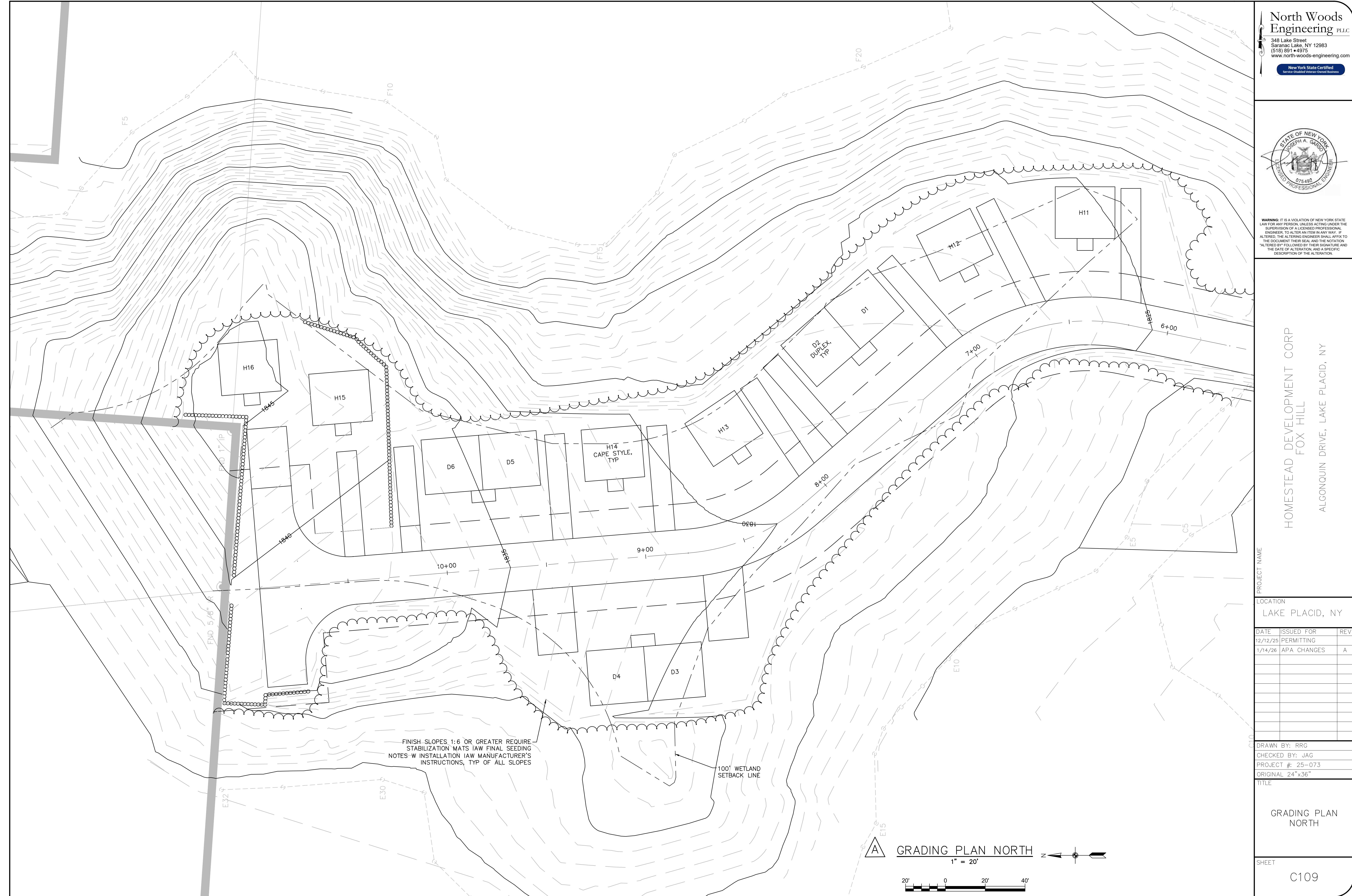
100' WETLAND
SETBACK LINE

GRADING PLAN NORTH

1" = 20'

20' 0 20' 40'

A





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Date: January 29, 2026

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

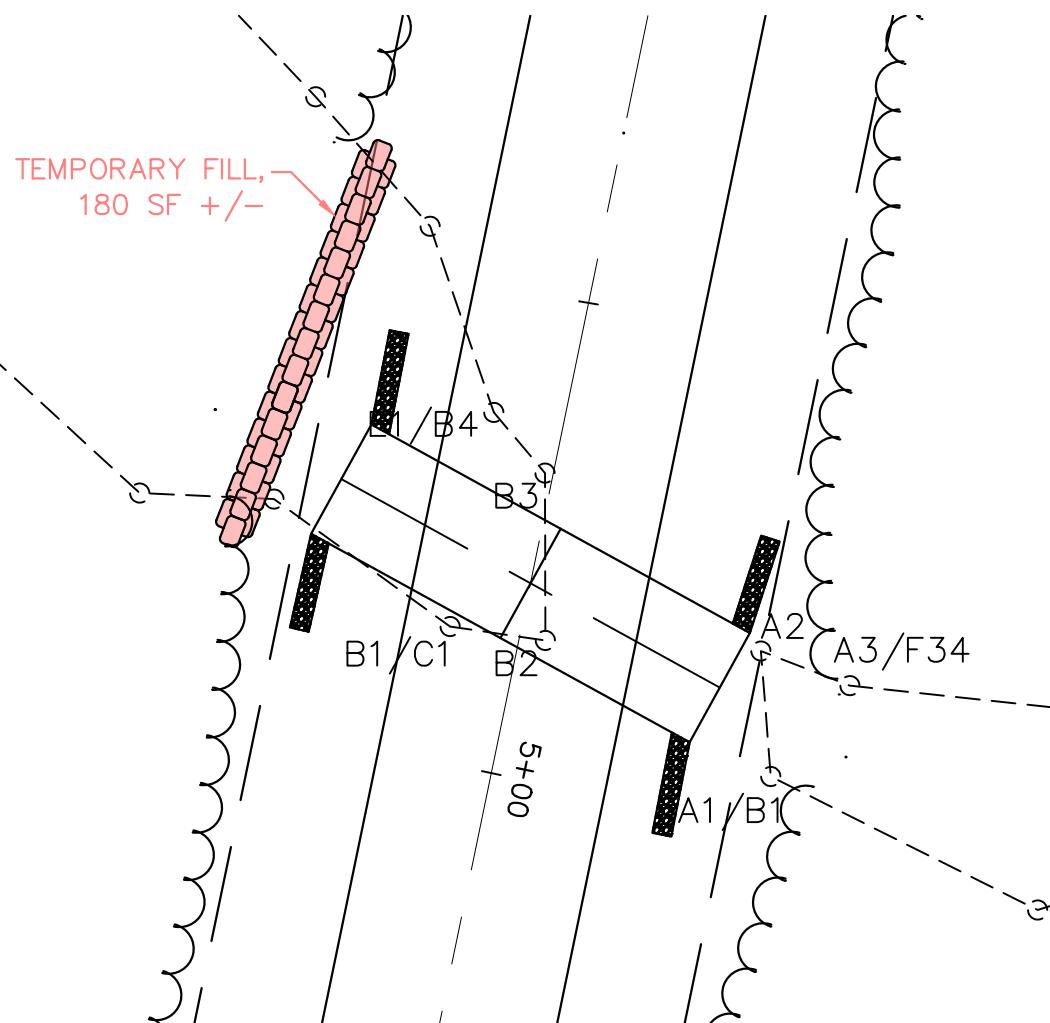
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LOCATION
LAKE PLACID, NY

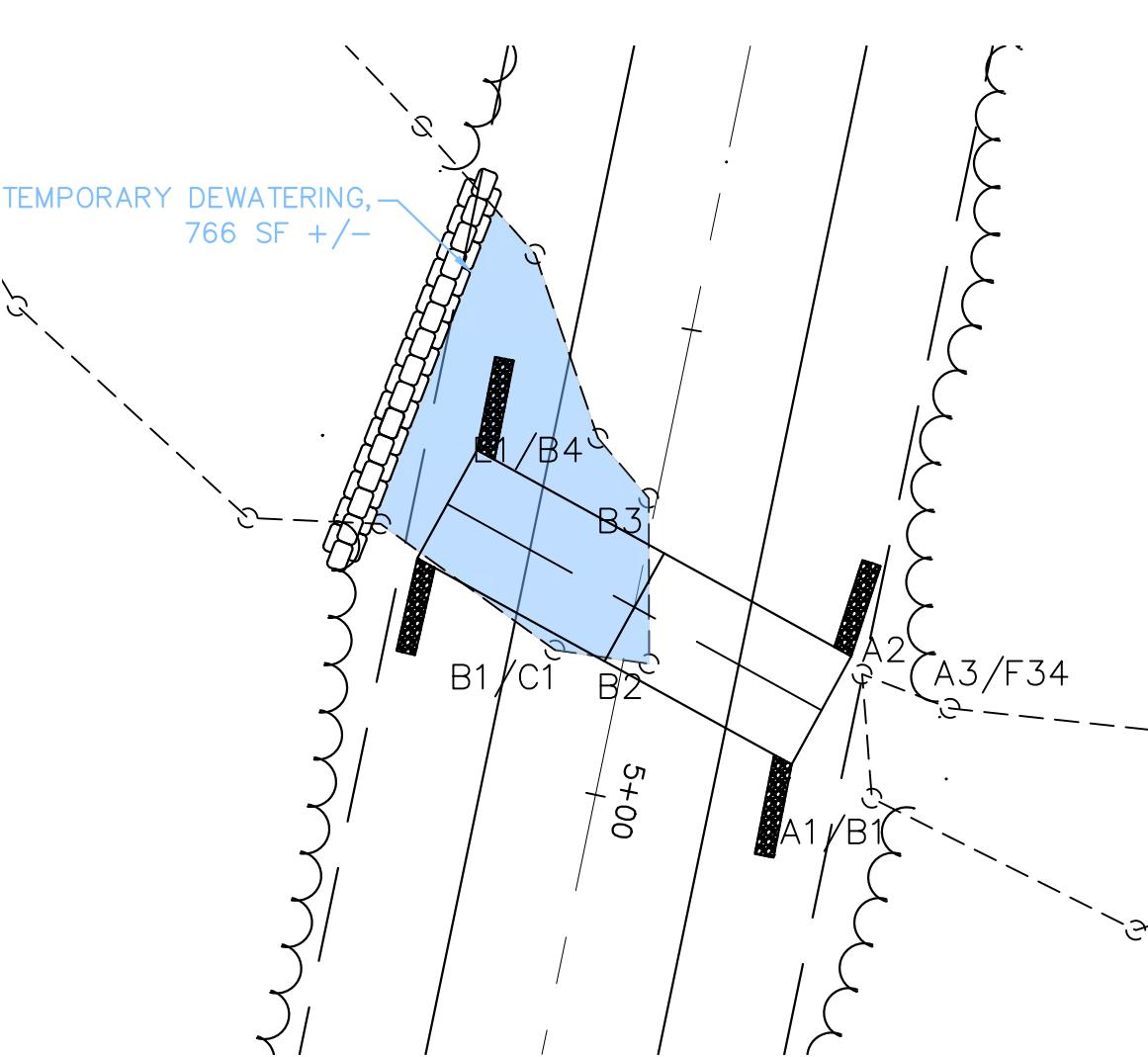
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1/29/26	APA CHANGES	A

DRAWN BY: RRG
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PROJECT #: 25-073
ORIGINAL 24" x 36"

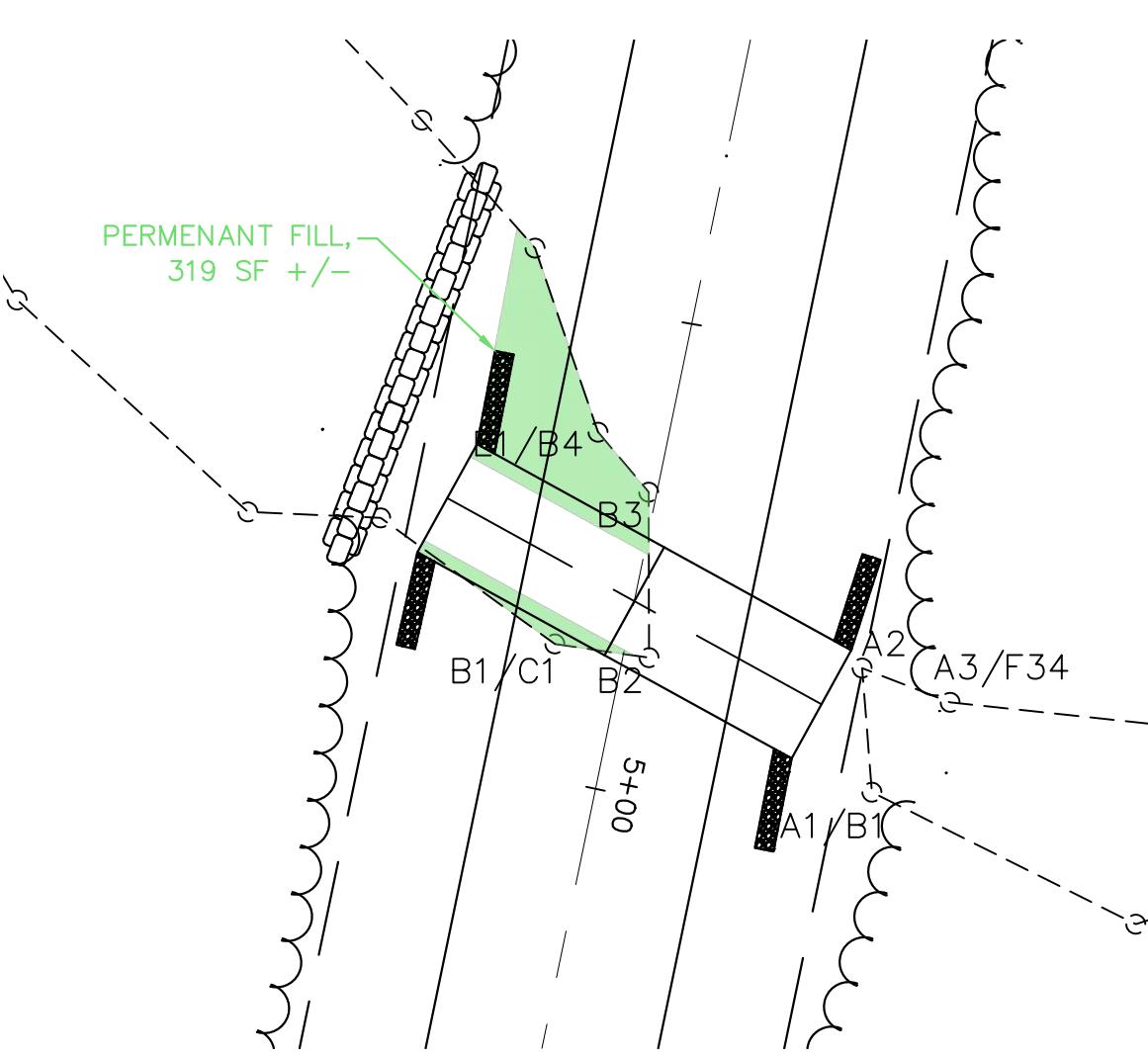
TITLE WETLAND CROSSING SITE PLAN
SHEET C110



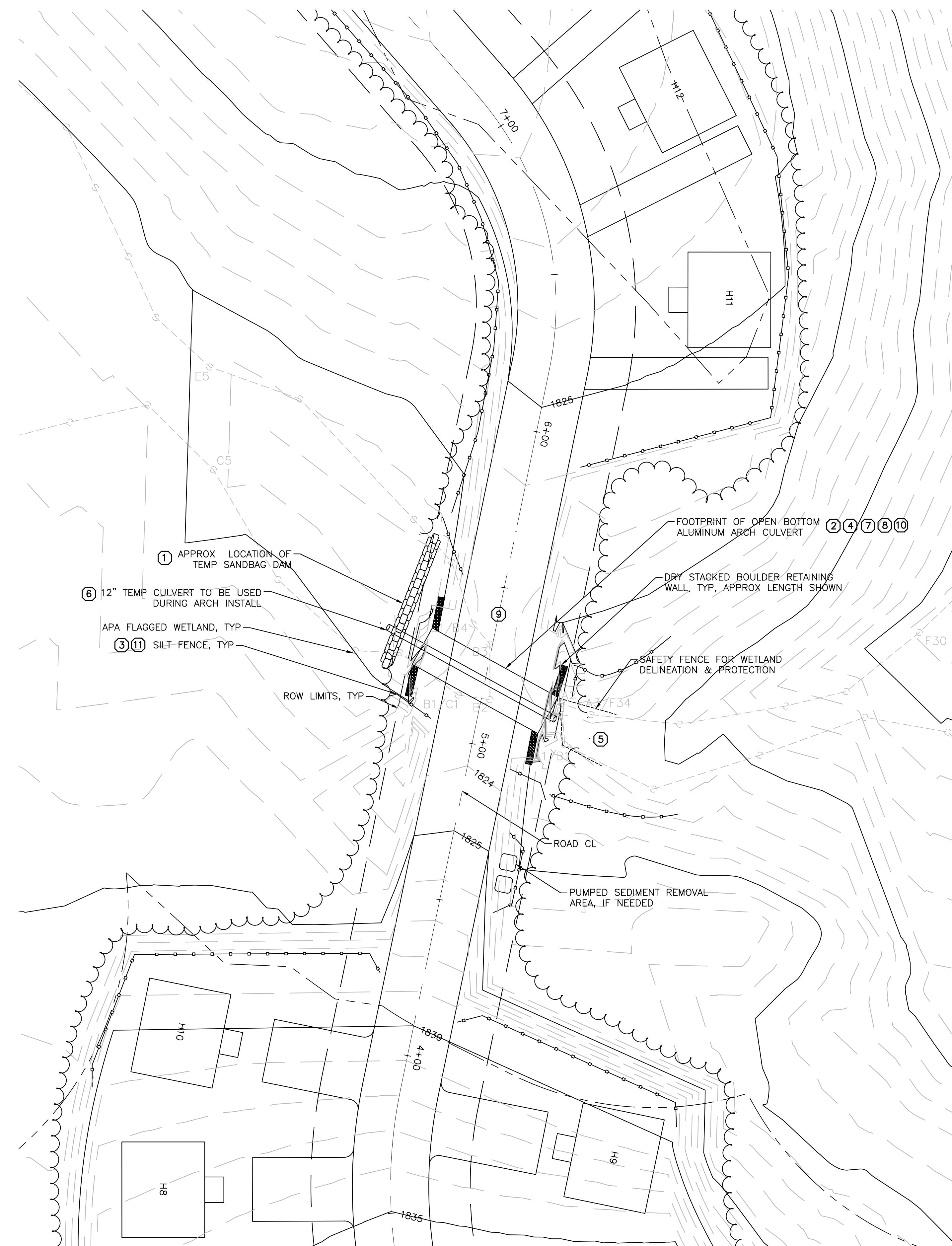
A AREA OF TEMPORARY FILL
1" = 20'



A AREA OF TEMPORARY DEWATERING
1" = 20'

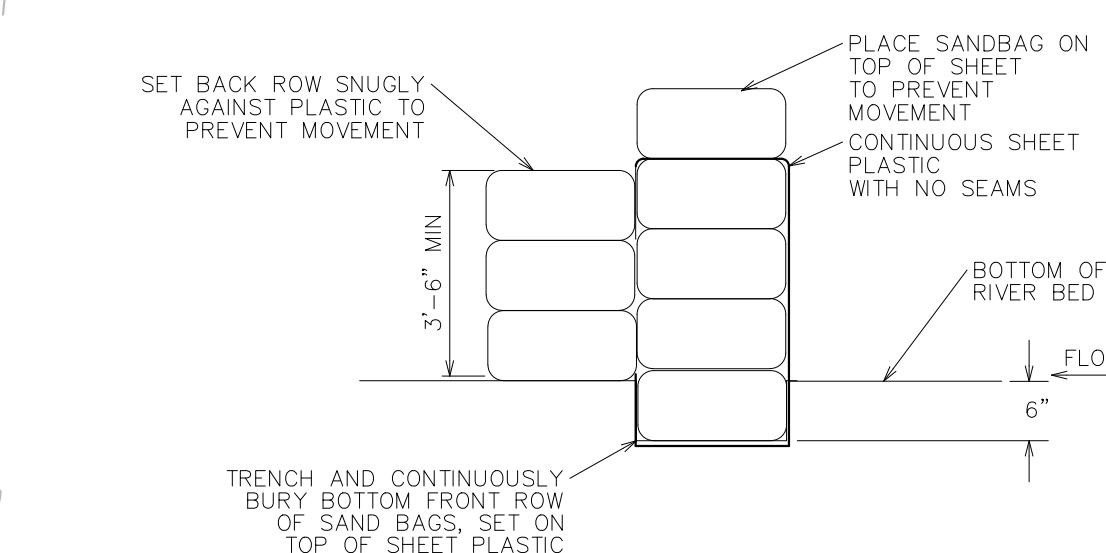


A AREA OF PERMANENT FILL
1" = 20'



WETLAND CROSSING SITE PLAN

1" = 20'
20' 0' 20' 40'



TEMPORARY SAND BAG
DAM DETAIL
NTS

PLATE ARCH NOTES

1. PLATE ARCH TO BE ALUMINUM BOX CULVERT BY CONTECH CONSTRUCTION PRODUCTS, STRUCTURE #21, WITH A SPAN OF 13'-0", RISE OF 3'-0", AND AN AREA OF 33.8 SF. LENGTH SHALL BE 45'.
2. PLATE ARCH SHALL BE HS-20 RATED, MINIMUM.
3. PLATE ARCH SHALL BE PROVIDED COMPLETE WITH REINFORCING RIBS AND ALL ASSOCIATED HARDWARE.
4. PLATE ARCH SUPPLIER SHALL PROVIDE SHOP DRAWINGS, INSTALLATION INSTRUCTIONS, MANUFACTURER'S RECOMMENDATIONS, AND BOLT TIGHTENING REQUIREMENTS.

WORK ITEMS

1. TEMPORARY DAM SHALL BE INSTALLED PRIOR TO THE START OF WORK, PROVIDE FOR CONTINUED WATER CONNECTION. SEE TEMPORARY DAM NOTES.
2. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SHORING TO PROTECT WORK AREA AS REQUIRED.
3. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO CONSTRUCTION.
4. EXCAVATE AS NEEDED FOR FOUNDATION AND FOR ARCH INSTALLATION. INSTALL FOUNDATION ON UNDISTURBED SOILS.
5. RECONSTRUCT WETLAND CROSSING UNDER THE INSTRUCTION OF ENGINEER.
6. DISCONTINUE TEMPORARY FLOW SETUP, REMOVE TEMPORARY DAM AND RE-ESTABLISH NORMAL FLOW.
7. INSTALL PLATE ARCH IAW MANUFACTURER'S INSTRUCTIONS.
8. BACKFILL AND COMPACT AROUND PLATE ARCH. ALL COMPACTION SHALL BE TO MIN 95% MODIFIED PROCTOR (ASTM D-1557).
9. RE-GRADE ROAD SURFACE TO PROVIDE NEEDED COVER OVER ARCH. PROVIDE SMOOTH TRANSITION TO ROAD SURFACE.
10. RESTORE ALL DISTURBED AREAS TO PRE-EXISTING CONDITIONS AND REMOVE CONSTRUCTION DEBRIS.
11. REMOVE EROSION AND SEDIMENT CONTROL AT CONCLUSION OF WORK EFFORTS.

TEMPORARY DAM/DEWATERING NOTES

1. PLACE TEMPORARY DAM AS CLOSE TO WORK AS POSSIBLE WITHOUT INTERFERING WITH CONSTRUCTION OPERATIONS, IN APPROXIMATE LOCATION SHOWN ON SITE PLAN.
2. TEMPORARY DAM SHALL BE INSTALLED WITH A MINIMUM OF 1' OF FREEBOARD.
3. INSTALL TEMPORARY CULVERT FROM TEMPORARY DAM THROUGH WORK ZONE TO MAINTAIN FLOW AND TO CONDUCT WORK IN THE DRY.
4. FOR DEWATERING INSIDE WORK ZONE, IF REQUIRED, PUMP WATER THROUGH A "DIRTBAG", OR EQUAL. ENSURE PUMP RATE DOES NOT EXCEED MANUFACTURER'S RATING.
5. CHOOSE DEWATERING DISCHARGE AREA TO PREVENT EROSION AND SCOURING. SEE SITE PLAN FOR APPROVED DEWATERING DISCHARGE AREA.
6. AFTER CONSTRUCTION OF THE WETLAND CROSSING, CAREFULLY REMOVE TEMPORARY CULVERT AND TEMPORARY DAM MATERIALS SO AS TO NOT IMPACT STREAMBED.
7. REMOVE DEWATERING SEDIMENT BAG. RESTORE AREAS.

MATERIAL DISPOSAL NOTES

1. ALL MATERIAL SHALL ONLY BE DISPOSED OF IN AN UPLAND AREA AND PROPERLY STABILIZED TO PREVENT REENTRY OF ANY SOIL MATERIAL INTO WETLAND OR OTHER WATER BODIES.



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

LAKE PLACID, NY

PROJECT NAME

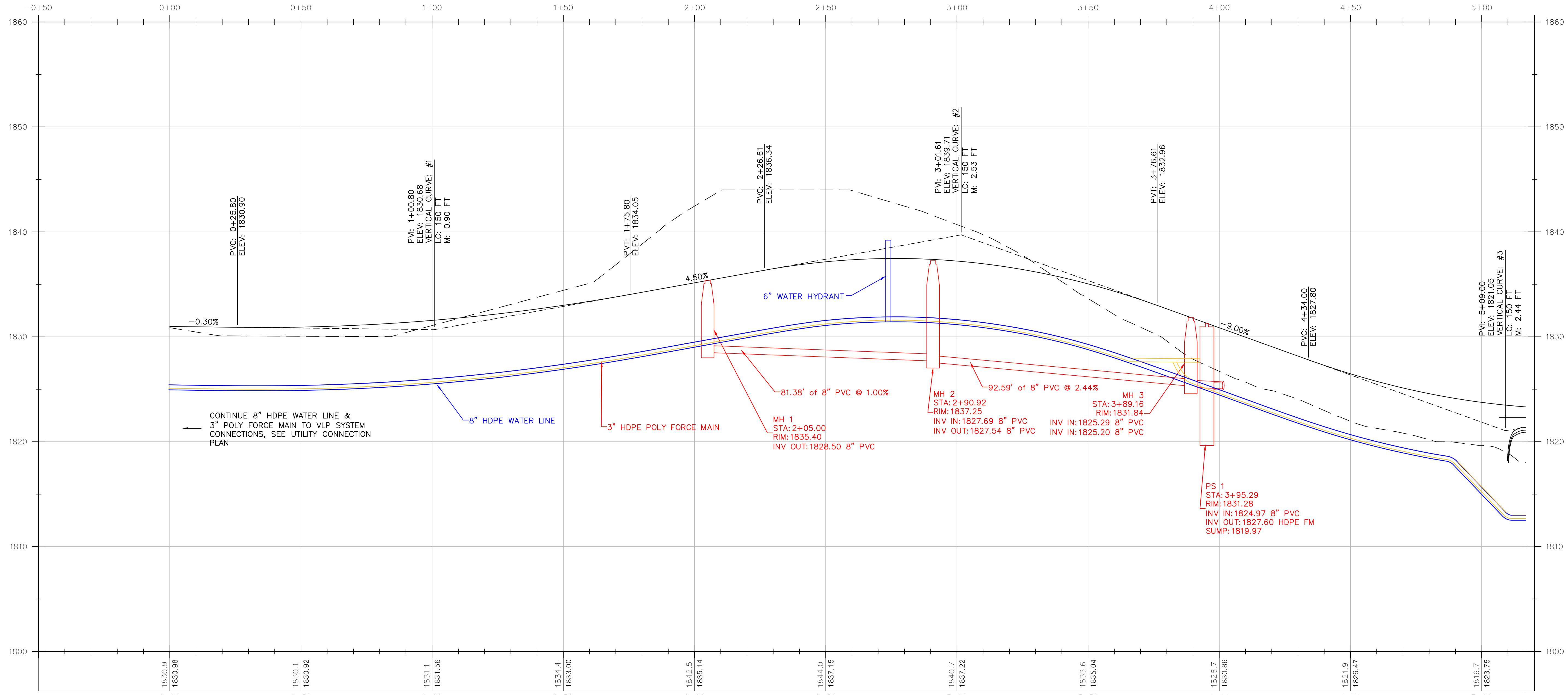
LAKE PLACID, NY

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



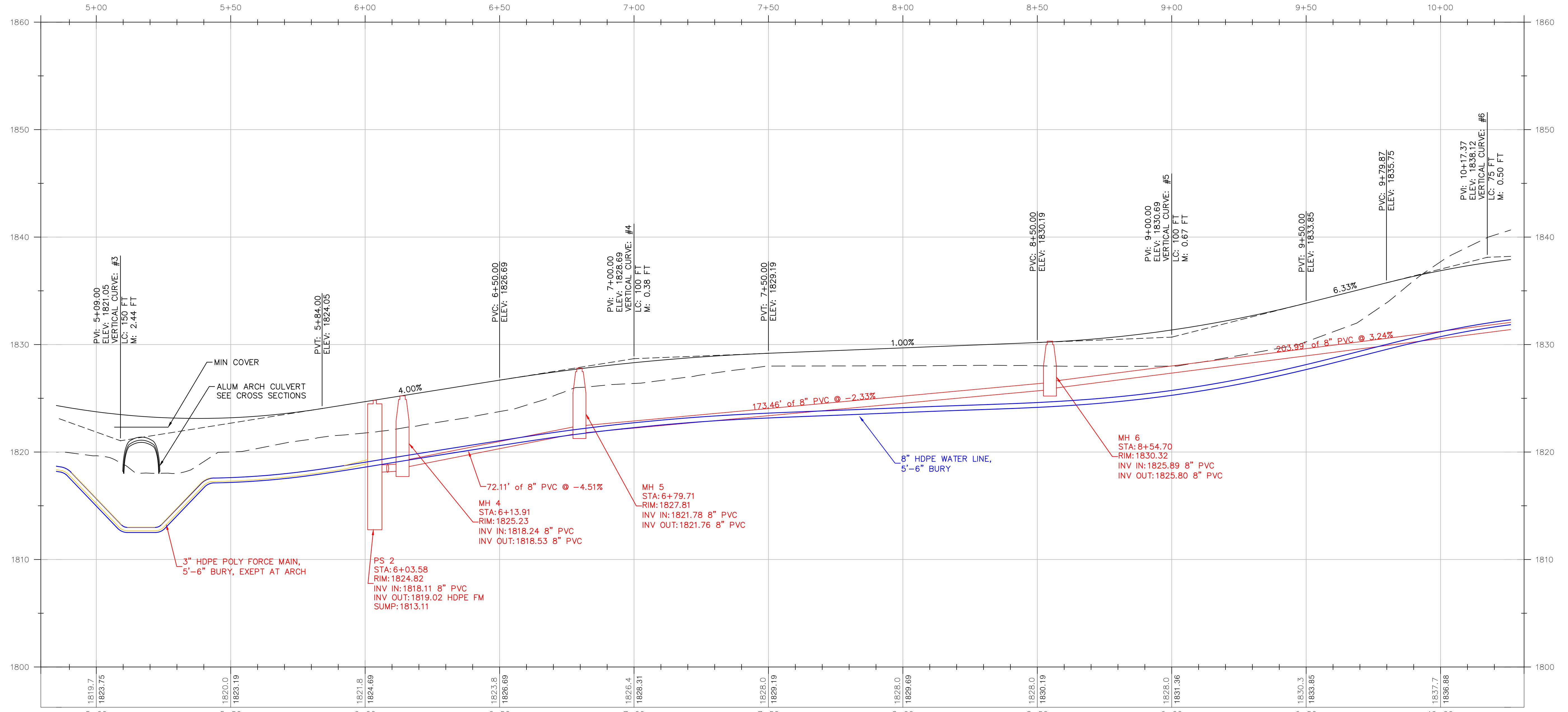
ROAD PROFILE STA: 0+00-5+00

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

C200



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ROAD PROFILE STA: 5+00-10+00

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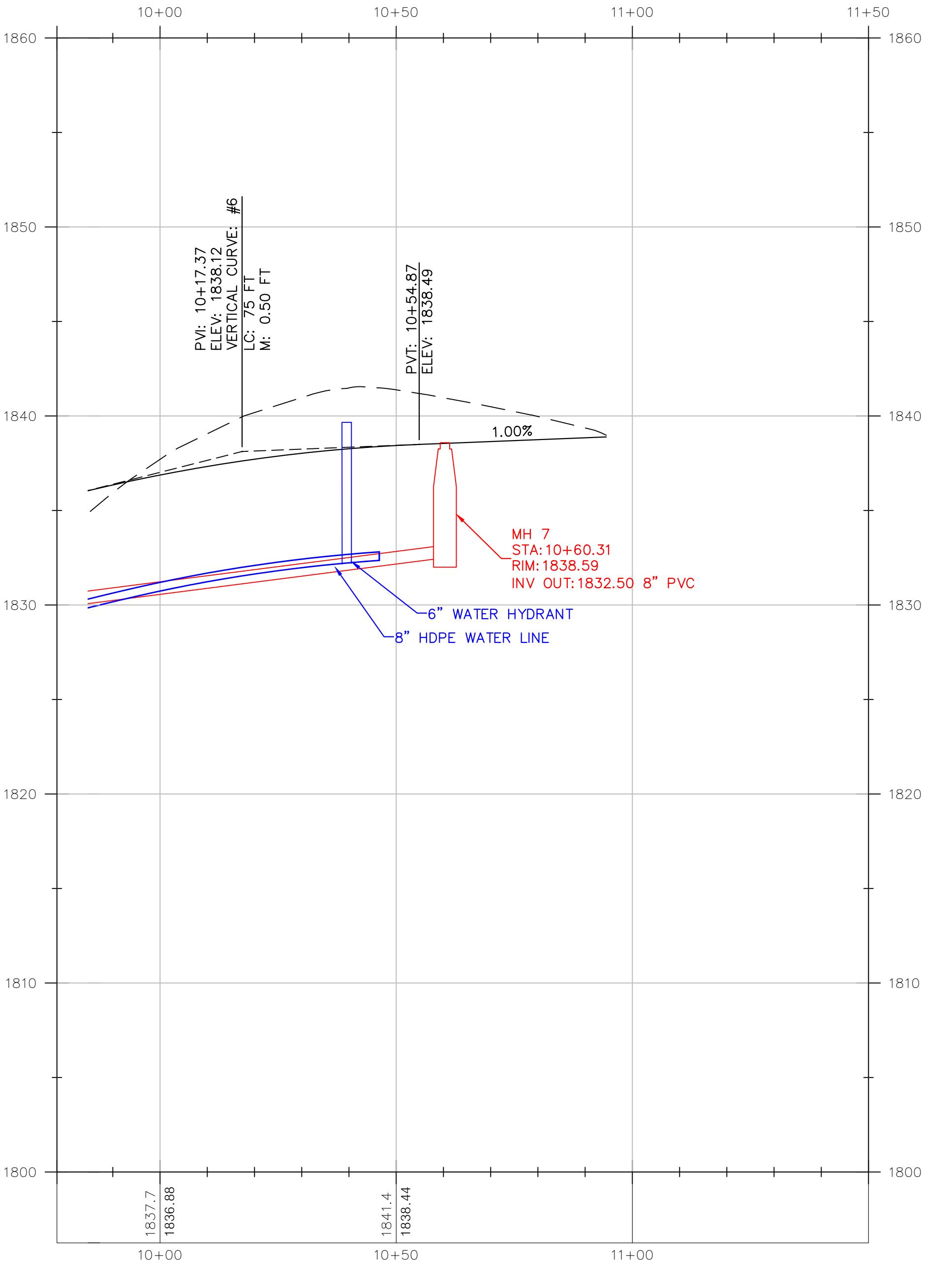
HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALGONQUIN DRIVE, LAKE PLACID, NY

PROJECT NAME	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 PROFILE
STA 5+00-10+00

SHEET
C201



ROAD PROFILE STA: 10+00-10+94.49

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

HOMESTEAD DEVELOPMENT CORP
FOX HILL
A1 GONONIIN DRIVE | LAKE PLACID NY

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LOCATION
LAKE PLACID, NY

DATE	ISSUED FOR	REV
/12/25	PERMITTING	

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

ROAD PROFILE

HEET
C202



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

PROJECT NAME

LOCATION

LAKE PLACID, NY

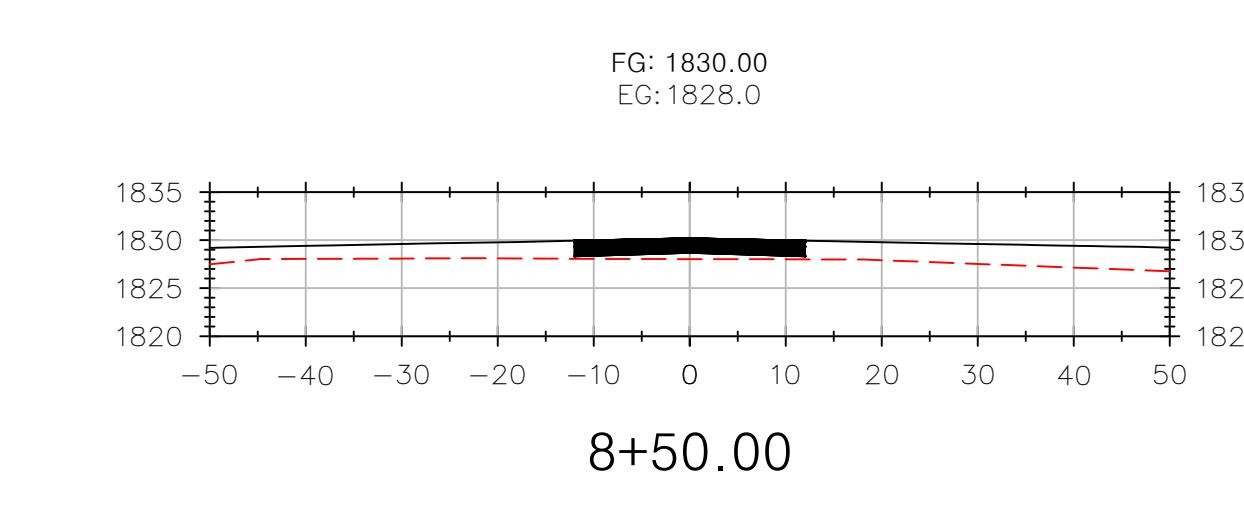
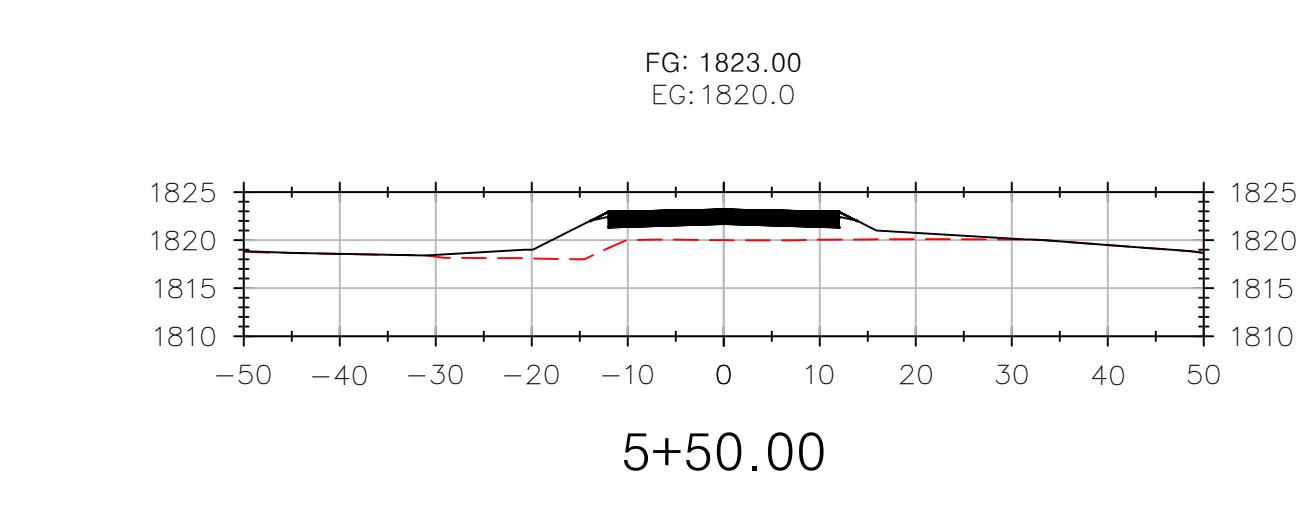
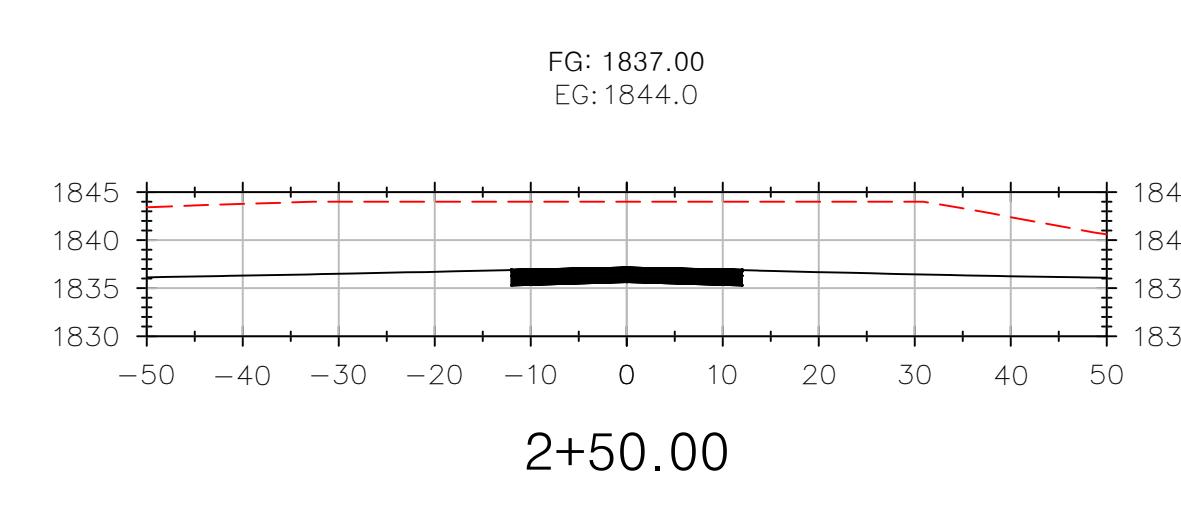
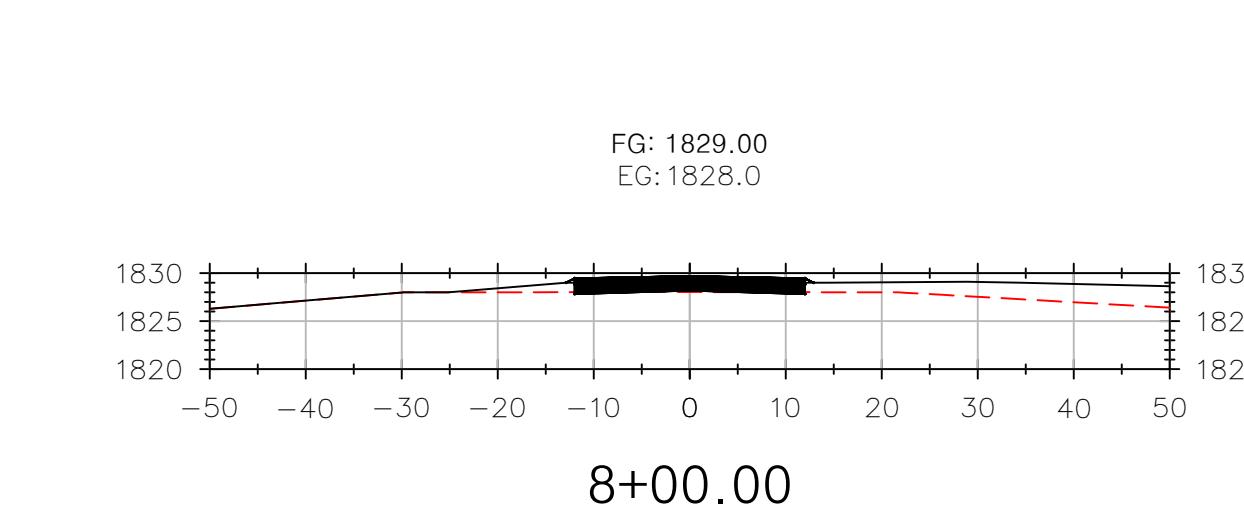
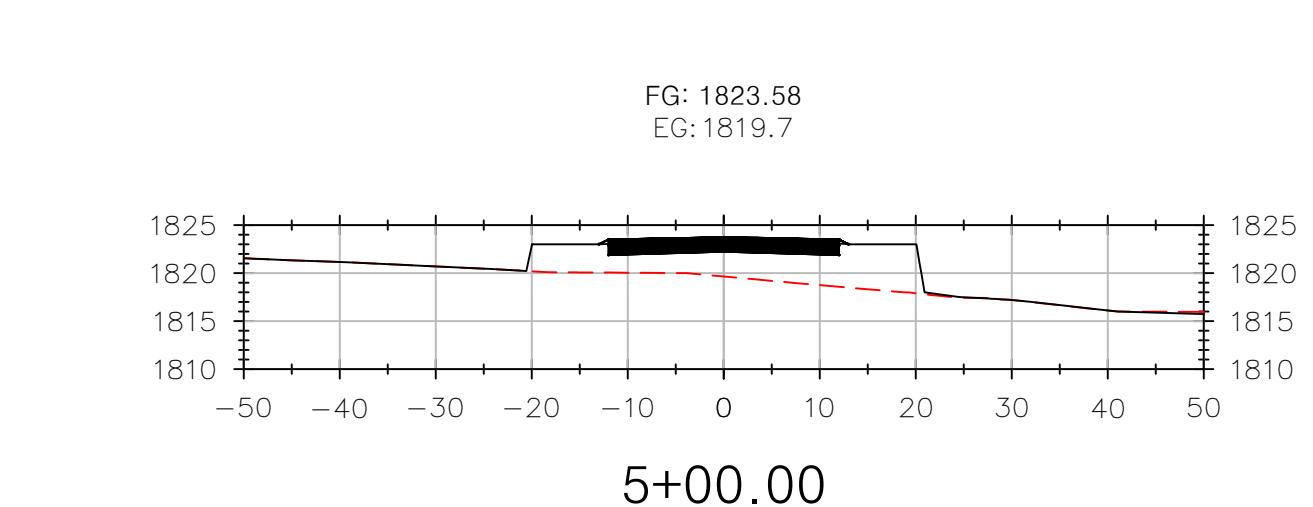
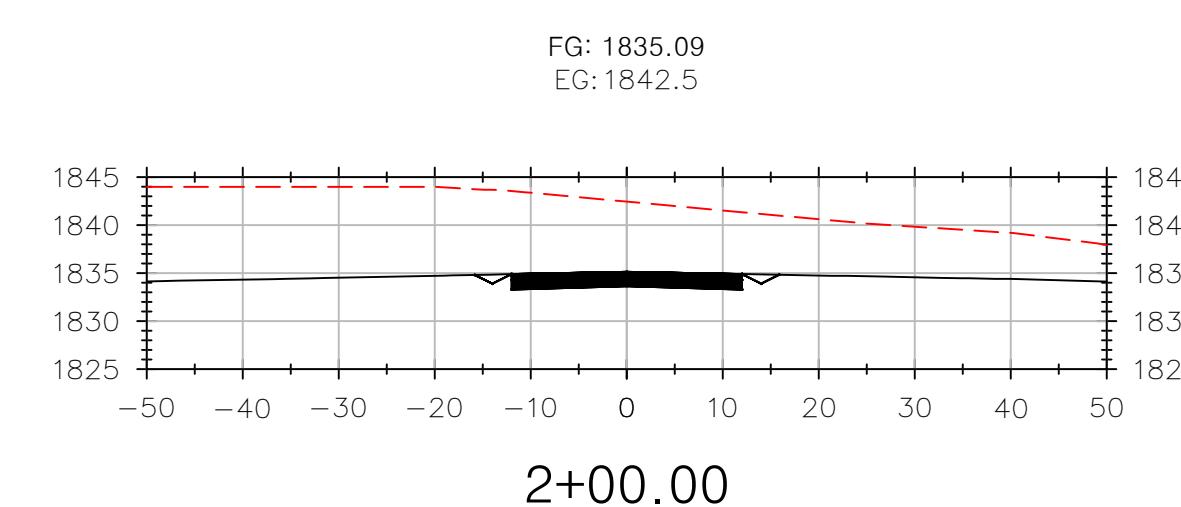
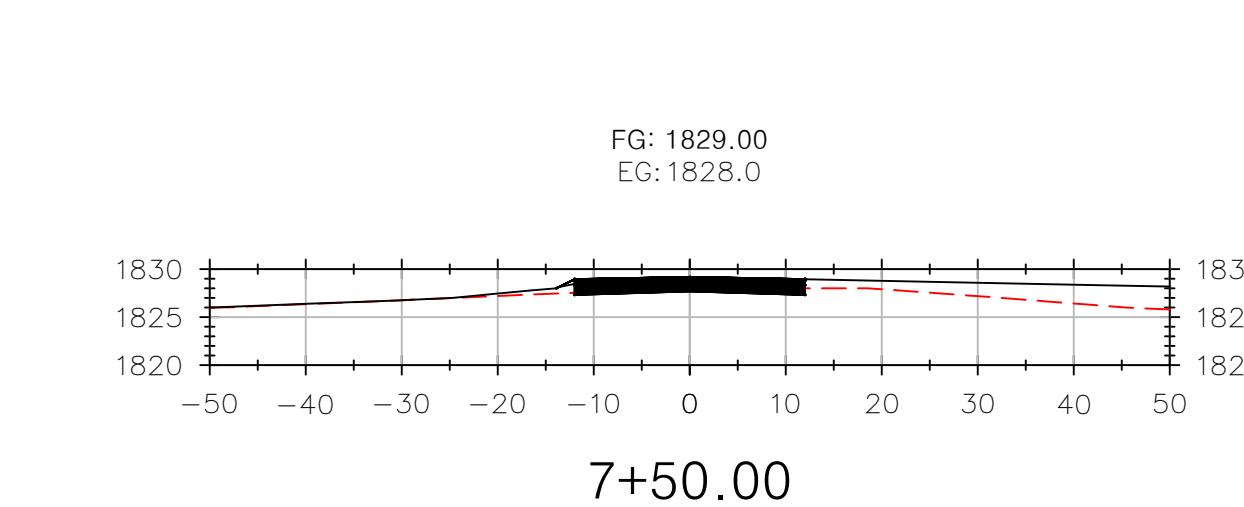
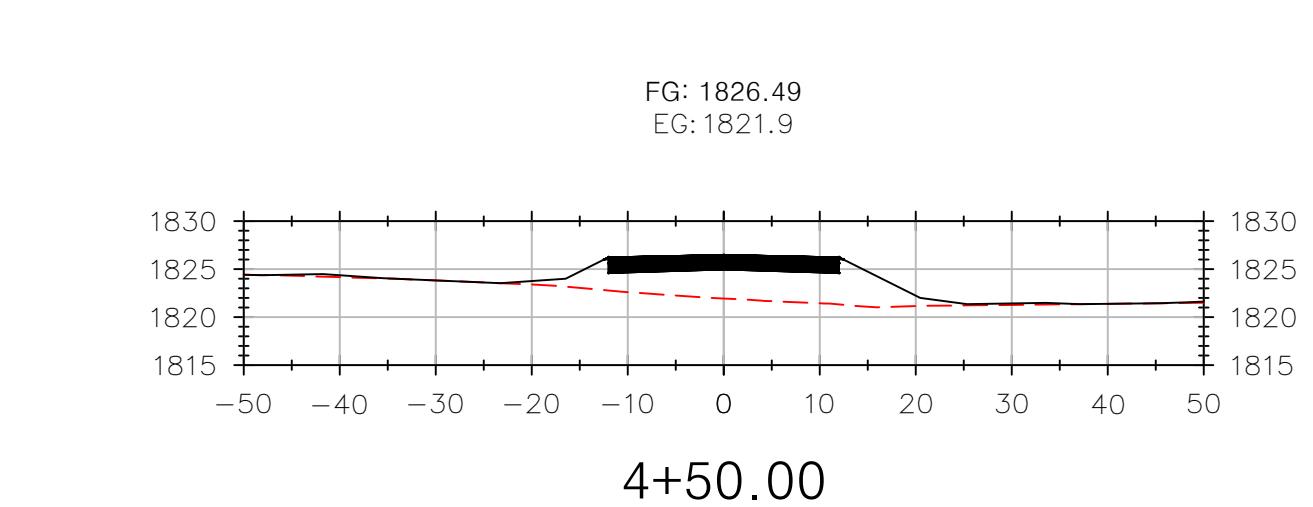
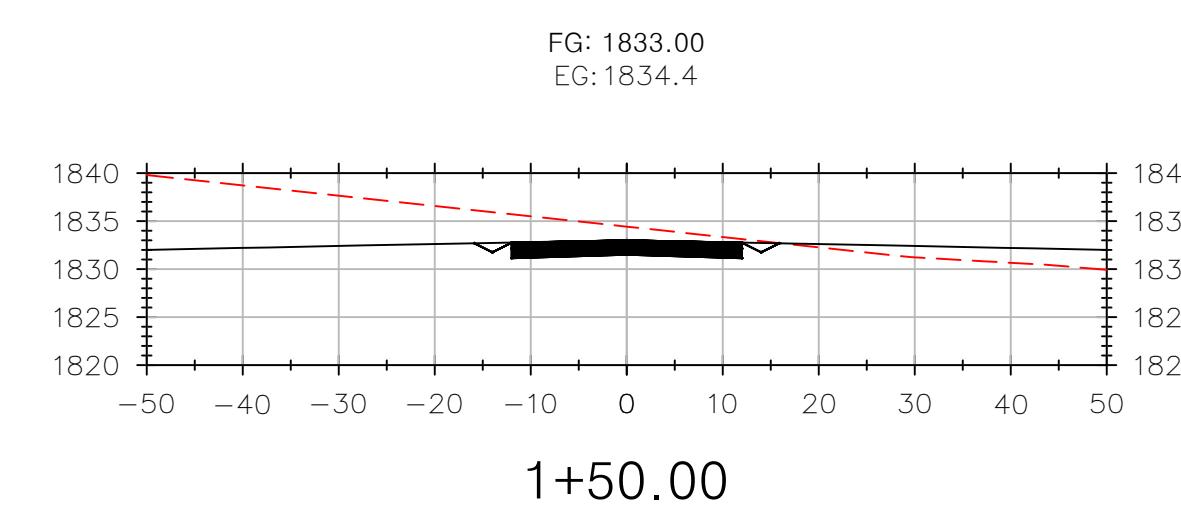
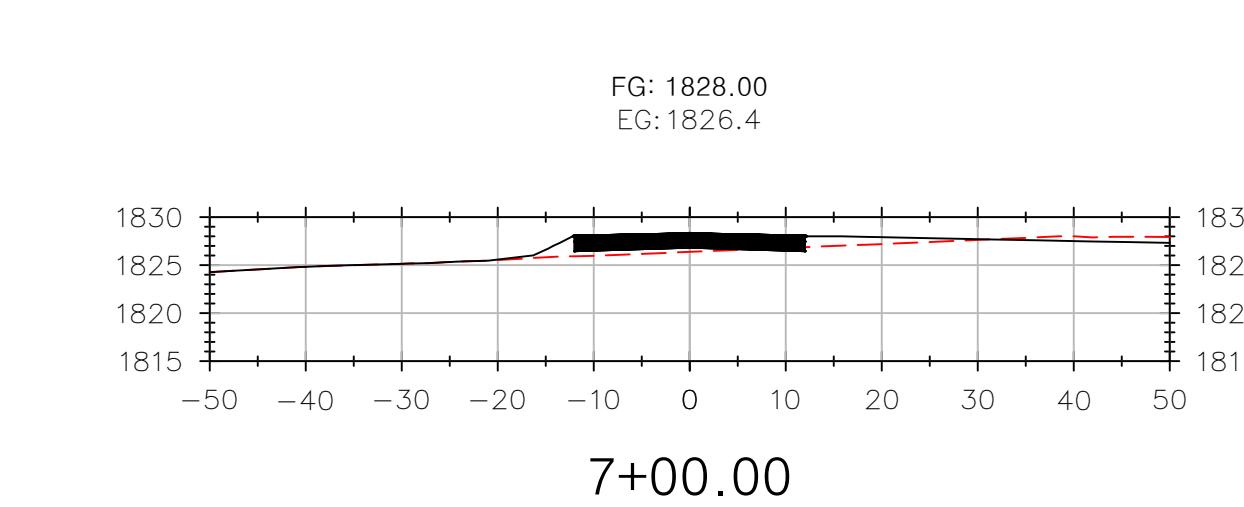
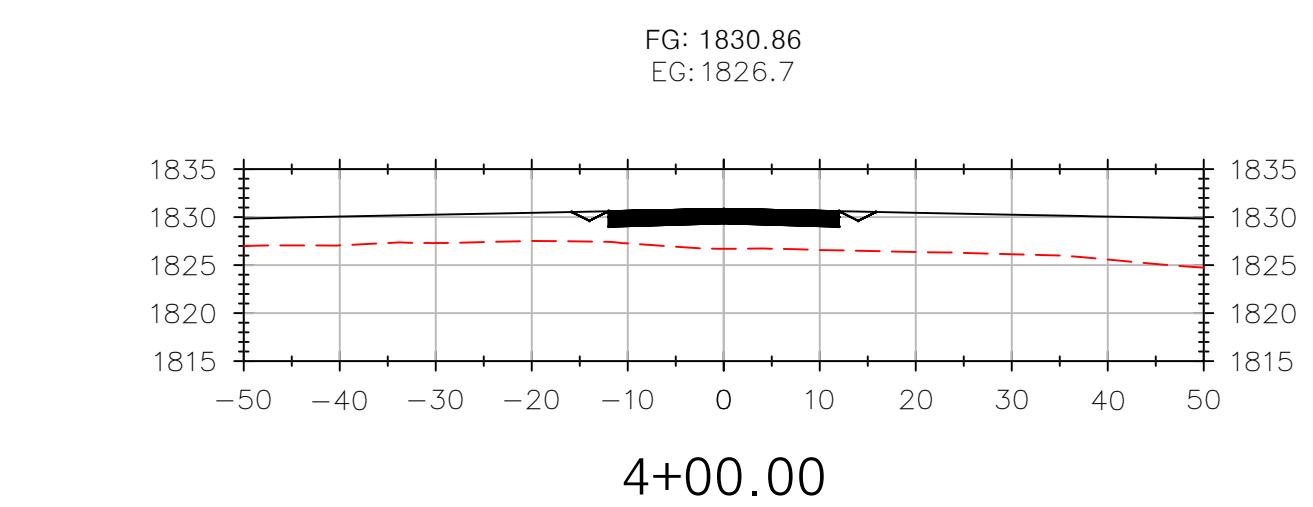
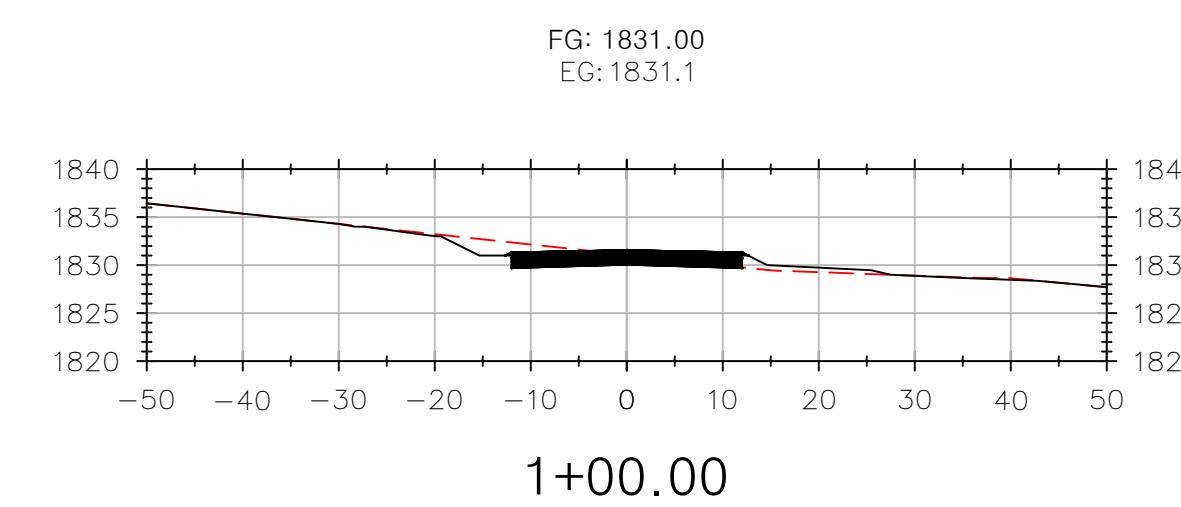
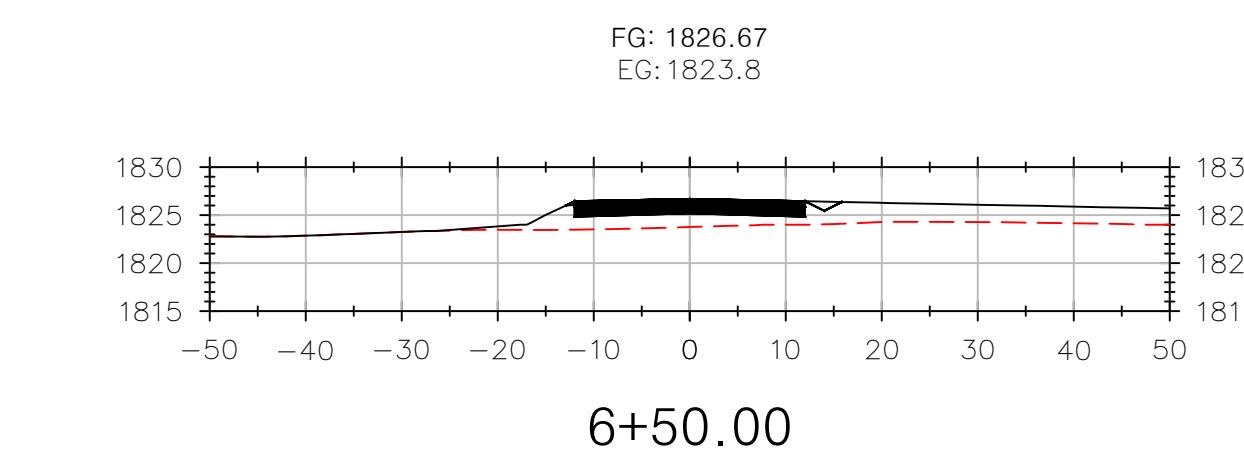
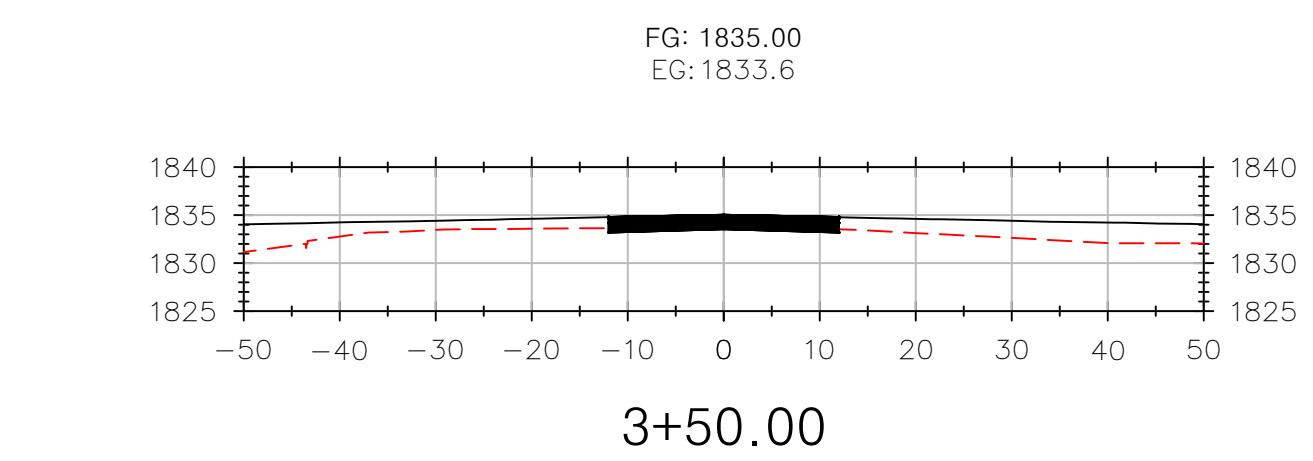
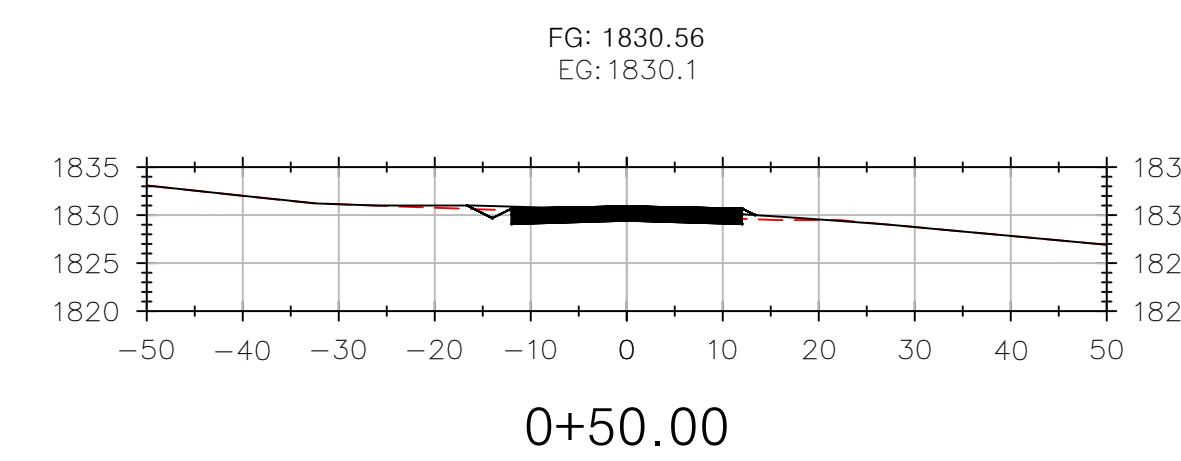
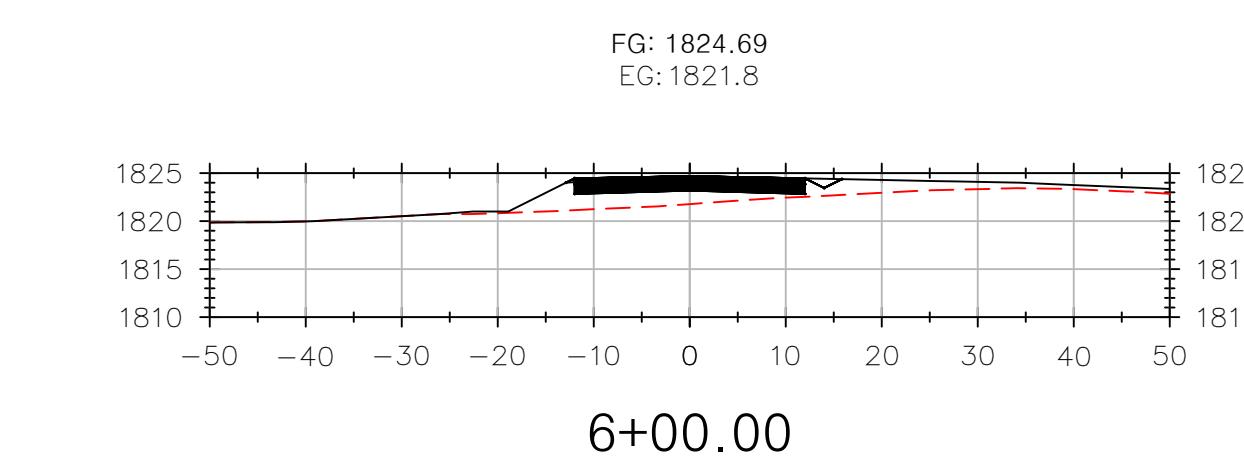
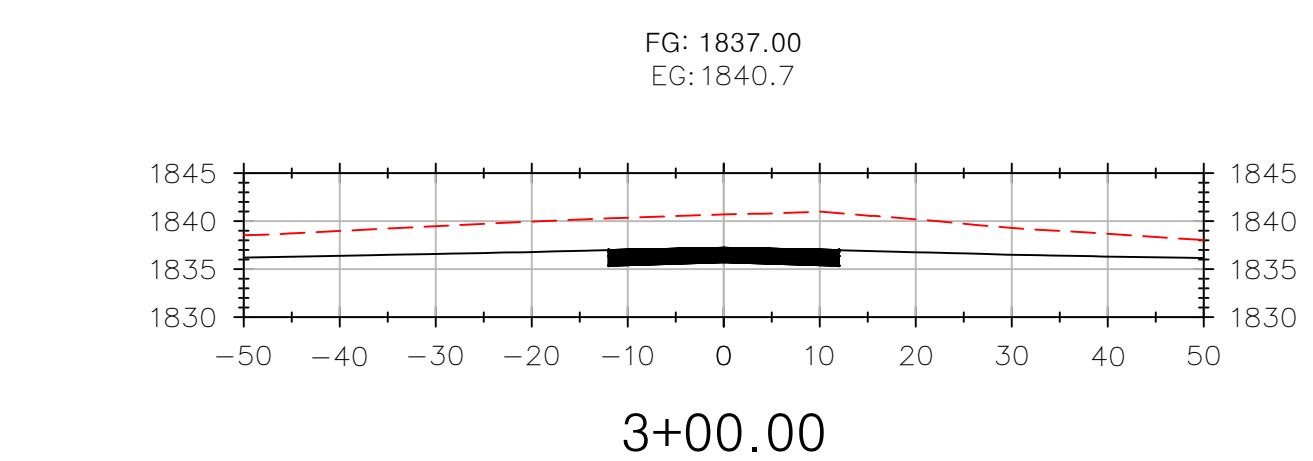
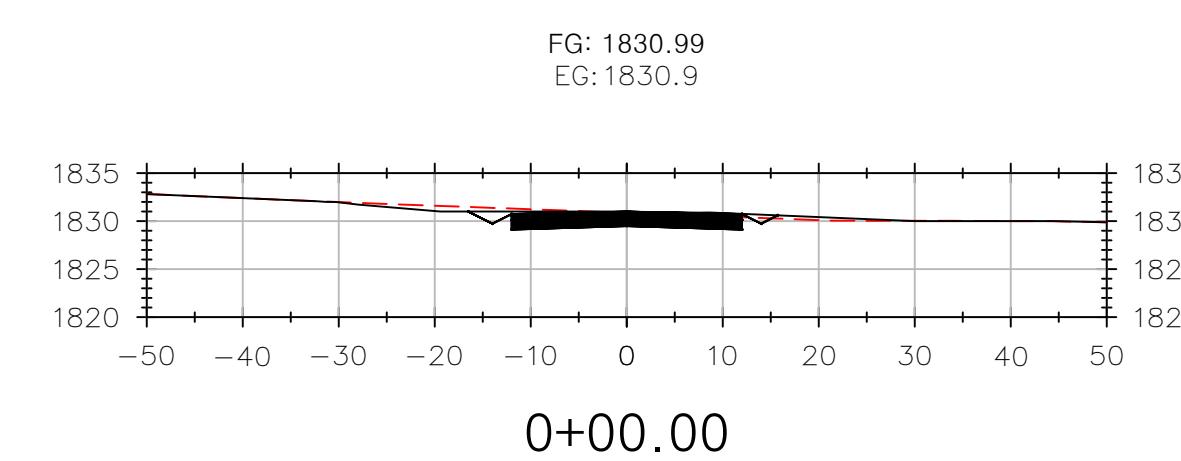
DATE ISSUED FOR REV
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DRAWN BY: RRG
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PROJECT #: 25-073
ORIGINAL 24" x 36"
TITLE

ROAD SECTIONS STA 0+00-8+50

SHEET

C203





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

PROJECT NAME

LOCATION
LAKE PLACID, NY

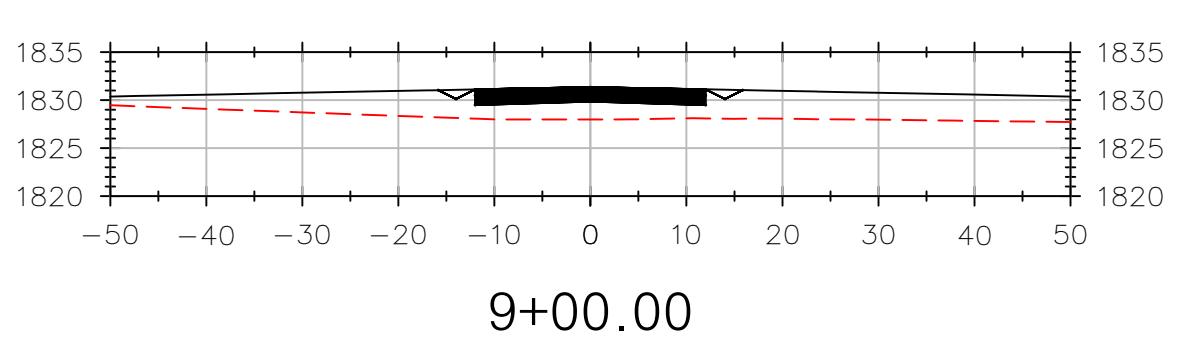
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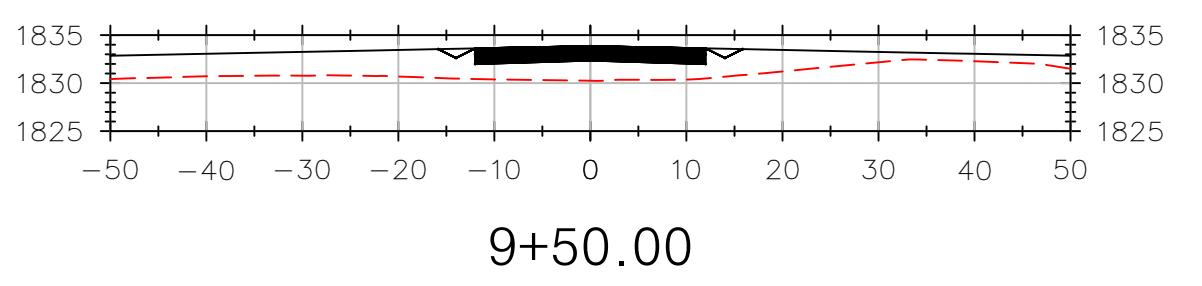
ROAD SECTIONS
STA 9+00-10+94.49

SHEET
C204

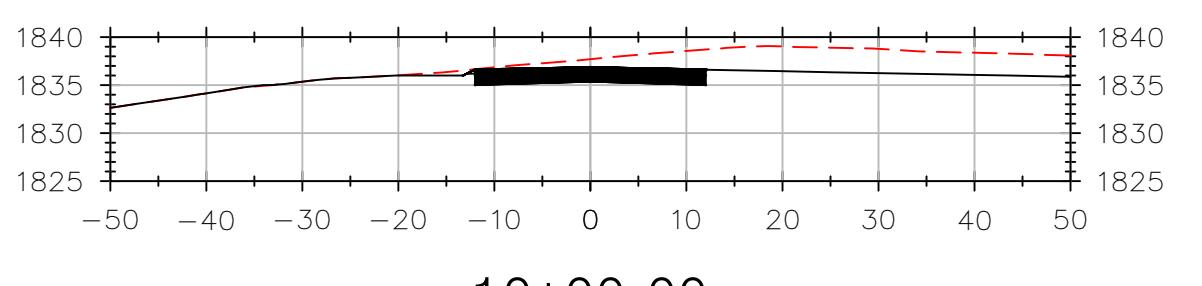
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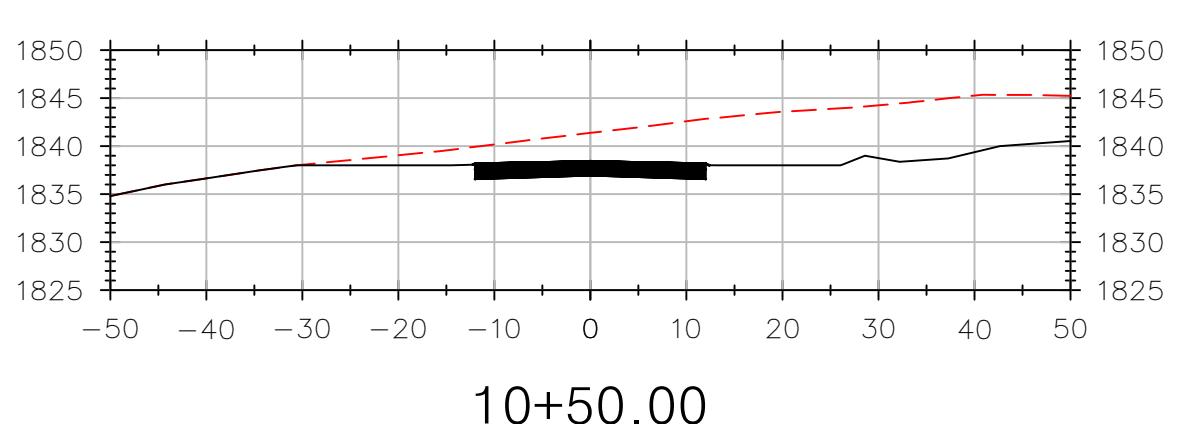
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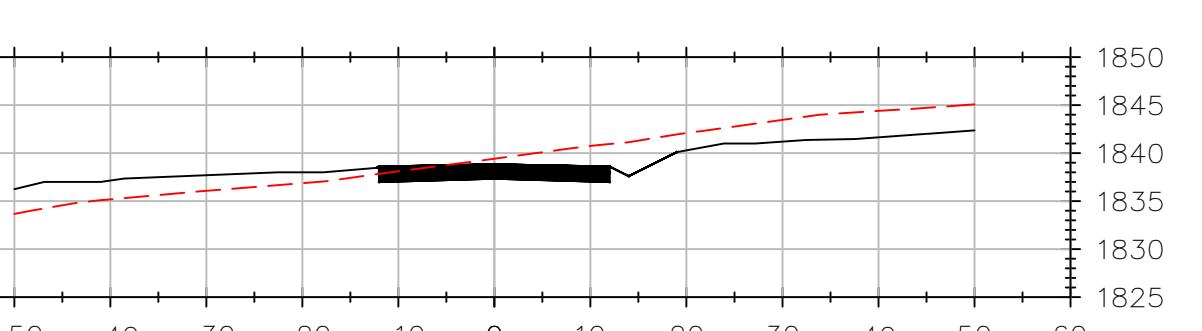


FG: 1838.11
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10+50.00

FG: 1838.88
EG: 1839.4



10+94.49

ROAD SECTIONS STA: 9+00-10+94.49

1" = 20'

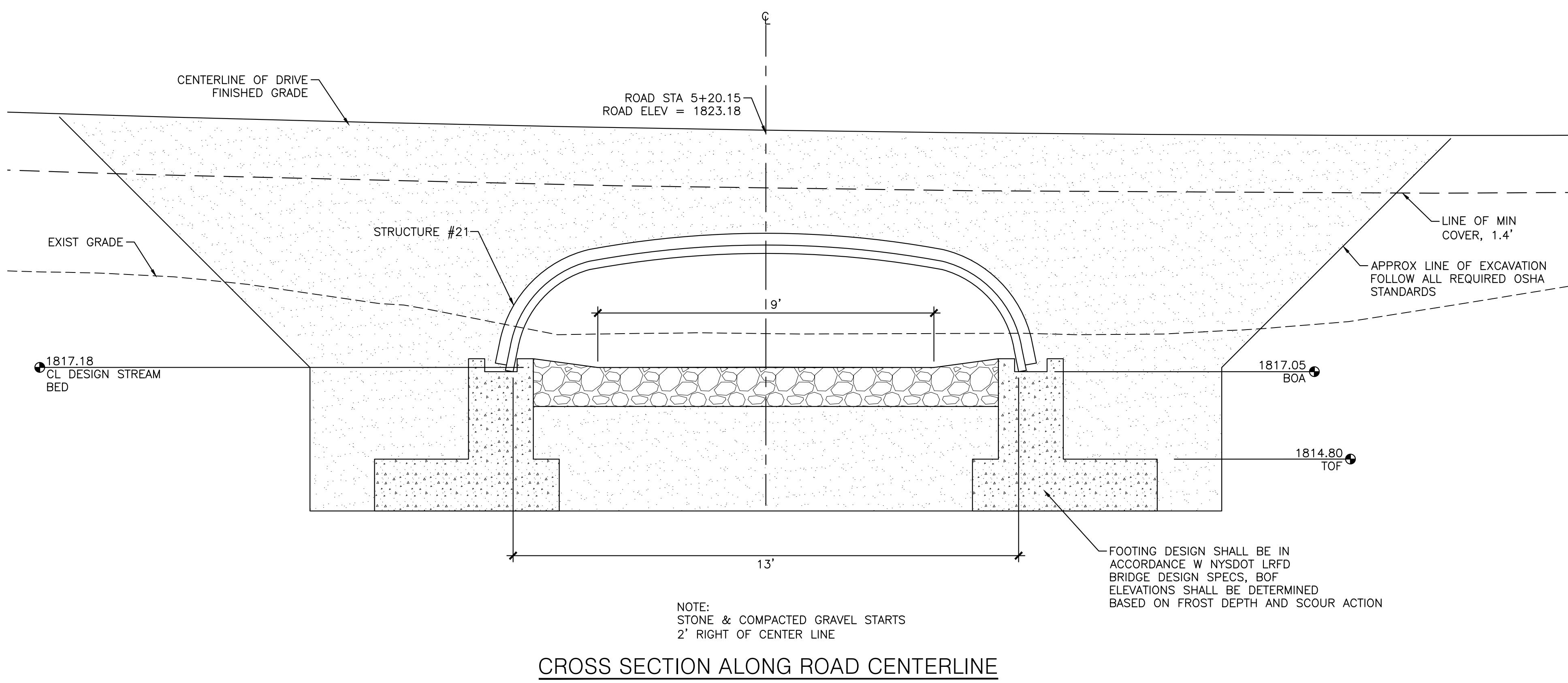
ROAD SECTIONS
STA 9+00-10+94.49

SHEET
C204



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



GENERAL CONCRETE NOTES

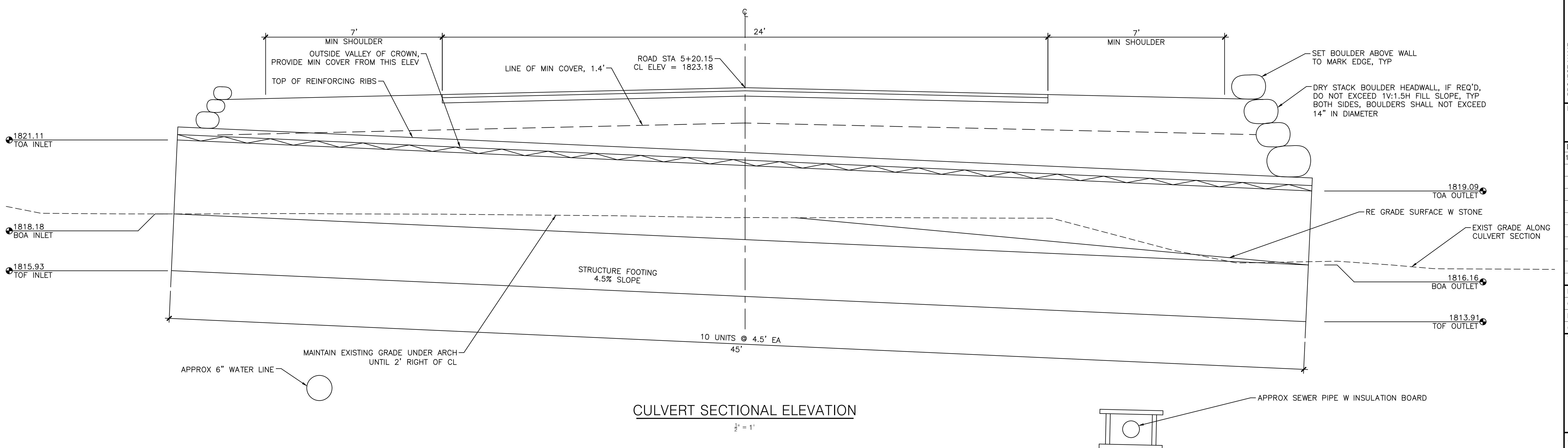
- ALL CONCRETE WORK SHALL COMPLY WITH THE LATEST RECOMMENDATIONS AND SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE LOCAL BUILDING CODES.
- ALL CONCRETE SHALL BE NORMAL WEIGHT HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, UNO. WATER CEMENT RATIO TO BE KEPT TO A MINIMUM TO 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 SPLICES, 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 SPLICES WITH SPLICES 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 COMPAKTED 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

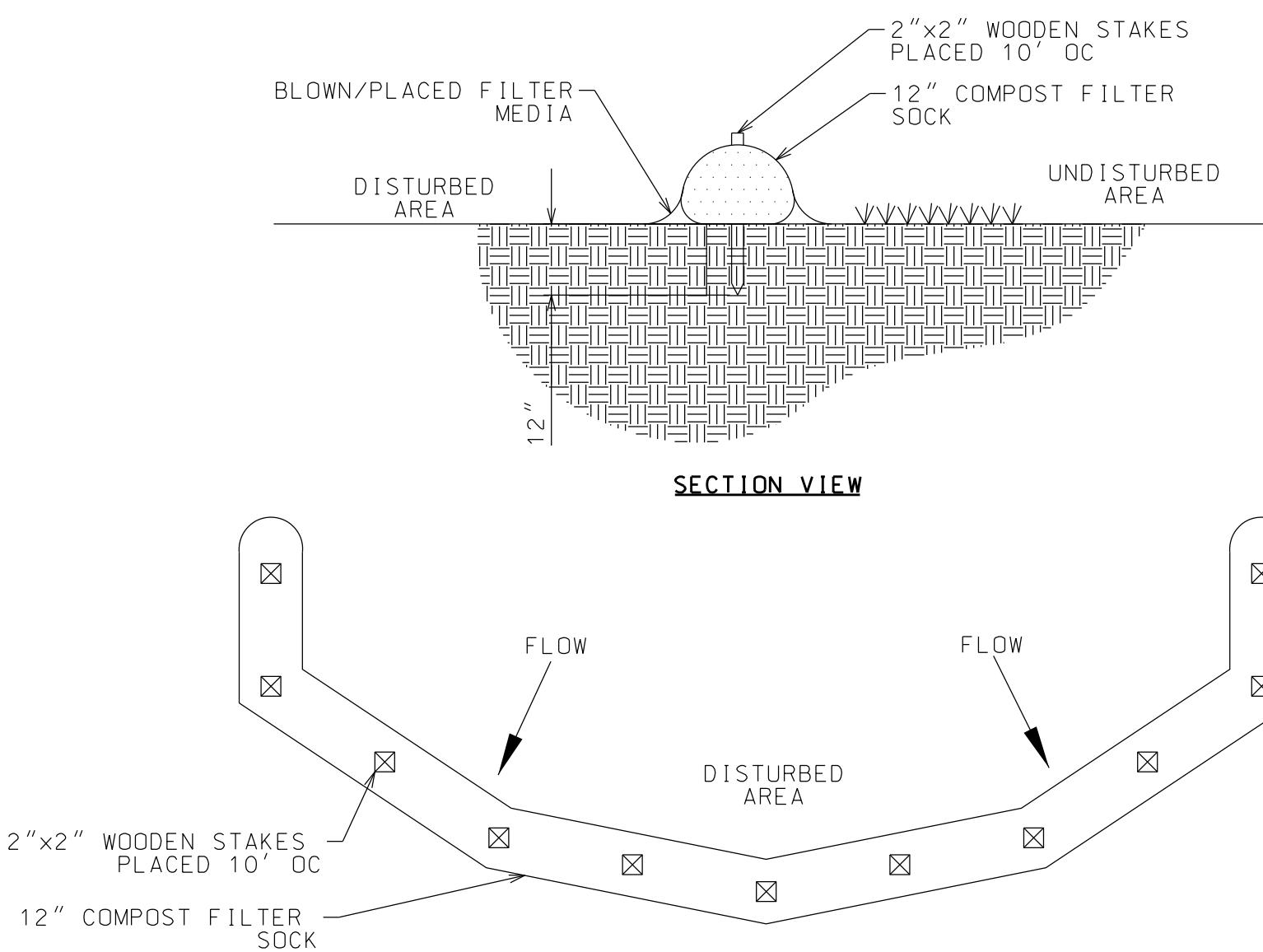
- EXCAVATE AND PREPARE FOUNDATION SUBGRADE. INSTALL CONCRETE FOUNDATION.
- BACKFILL FOUNDATION WITH SELECT STRUCTURAL FILL BACKFILL MATERIAL. BACKFILL MUST BE PLACED SYMMETRICALLY ON EACH SIDE OF THE FOUNDATION IN 6" TO 8" LOOSE LIFTS. COMPACT EACH LIFT TO MINIMUM 95% MODIFIED PROCTOR.
- INSTALL STREAMBED 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.





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

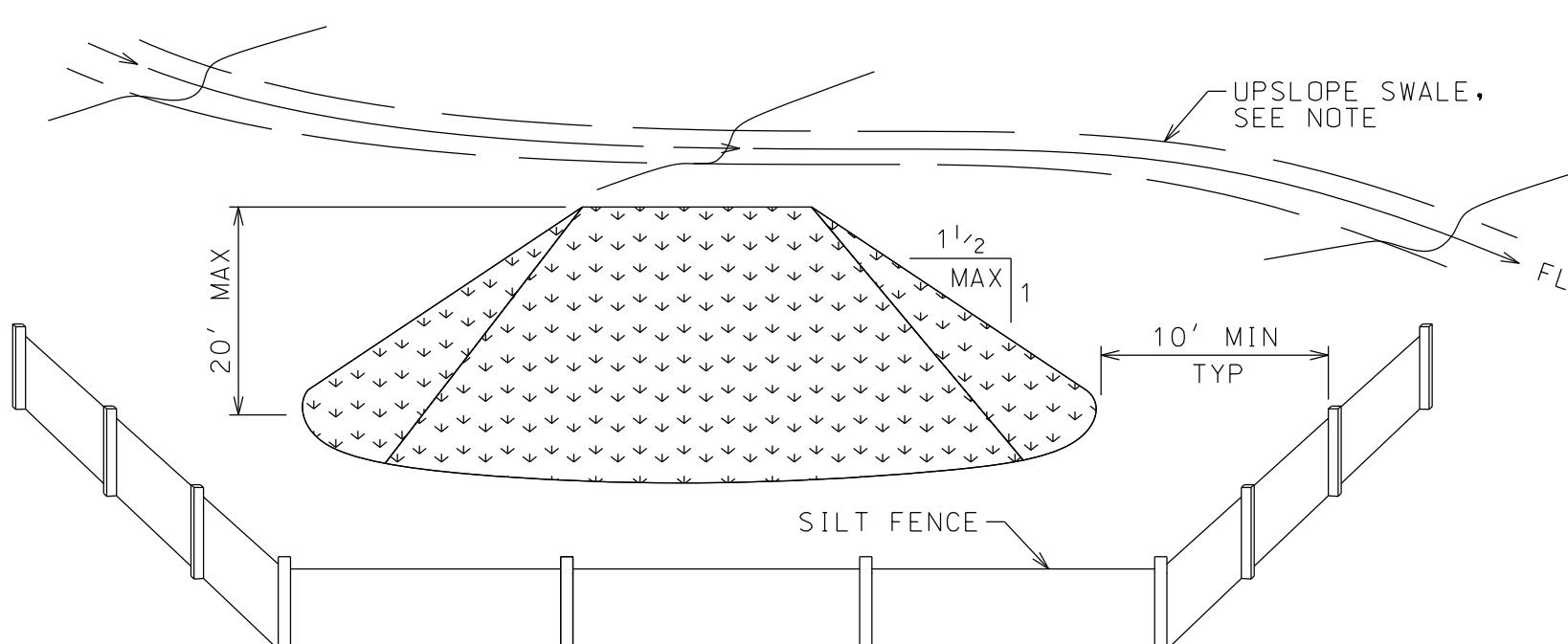


NOTES:

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

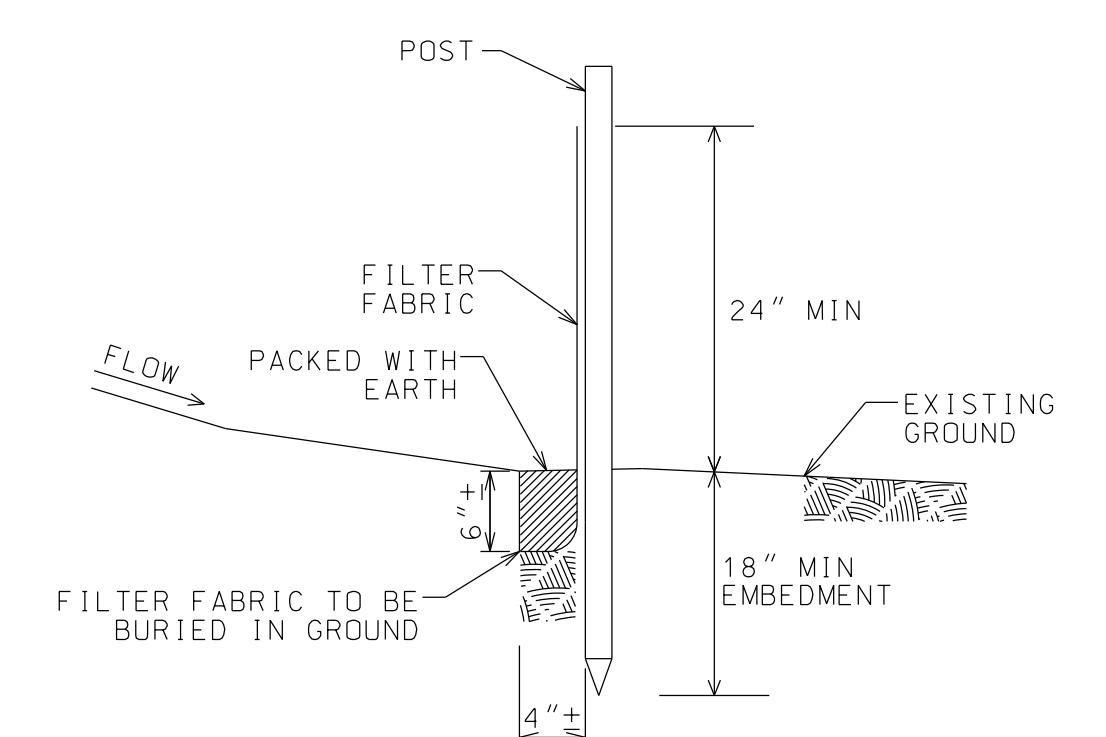


NOTES:

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

NTS

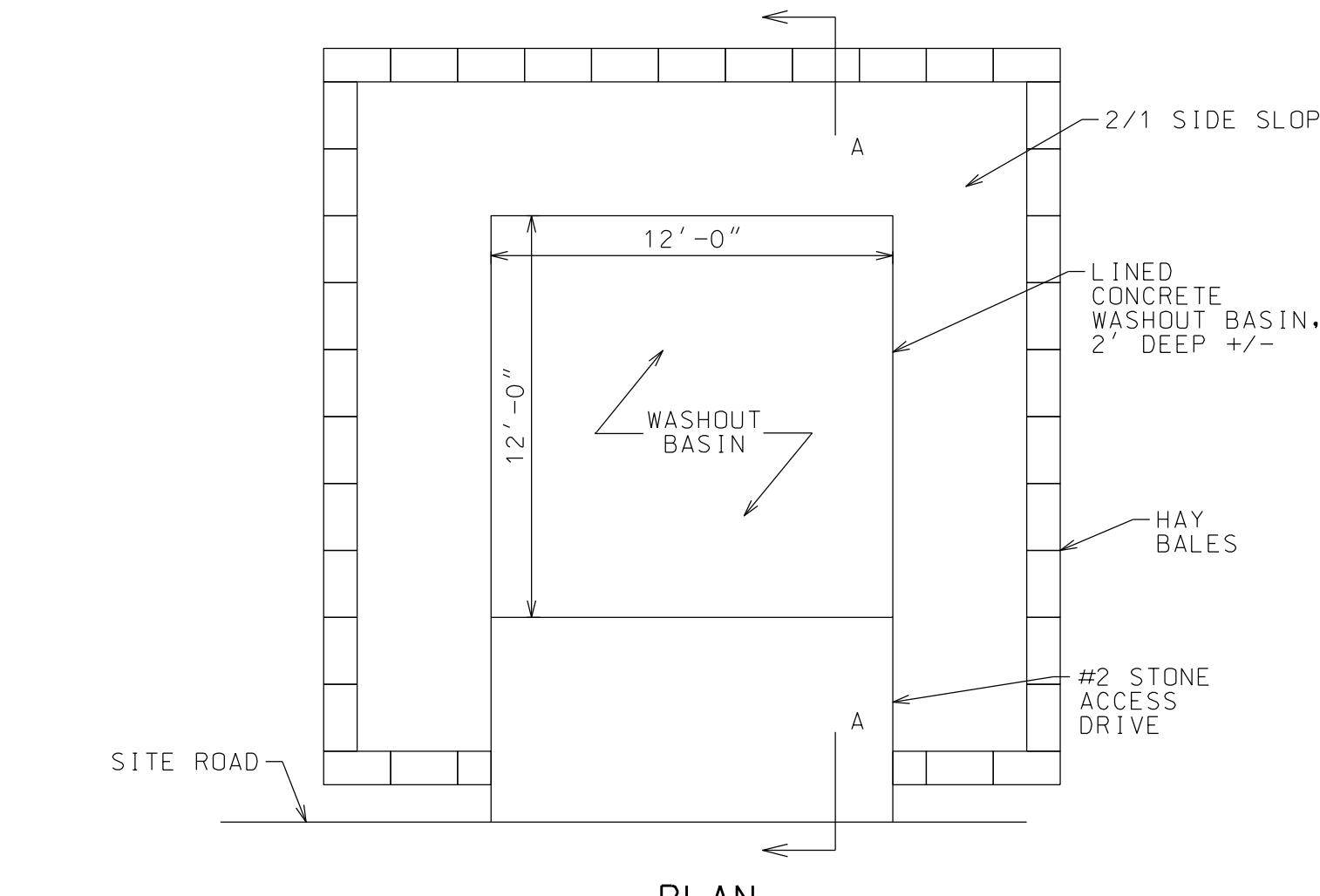


SILT FENCE DETAIL

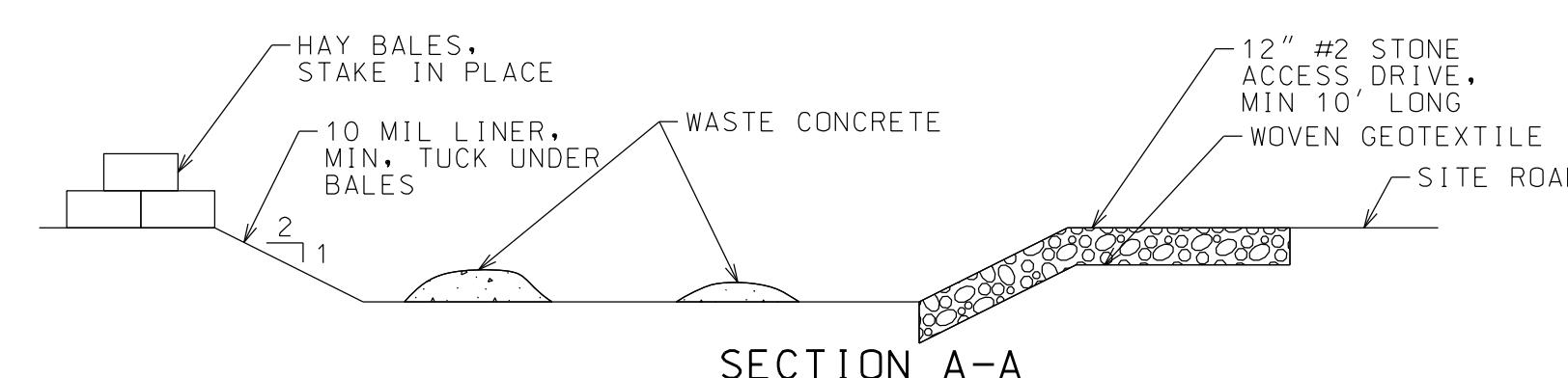
NTS

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.



PLAN



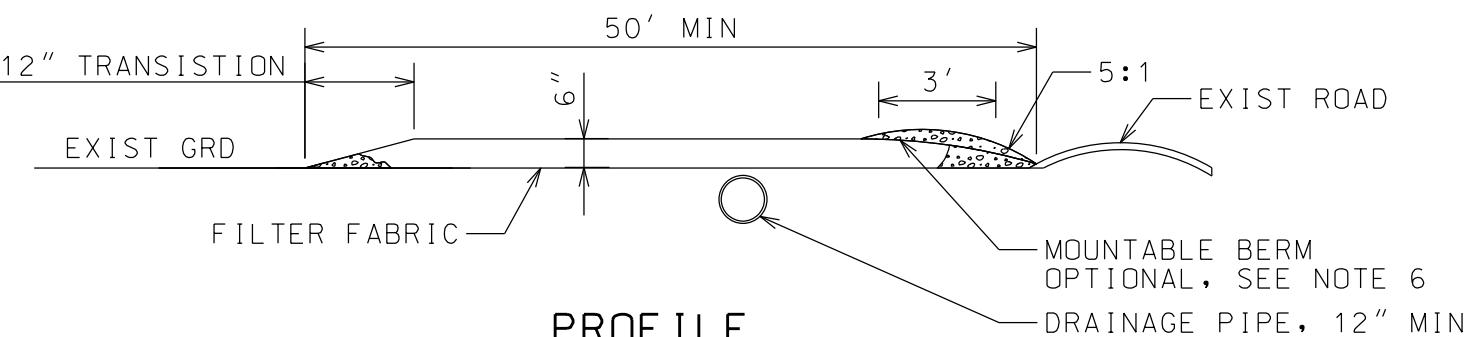
SECTION A-A

NOTES:

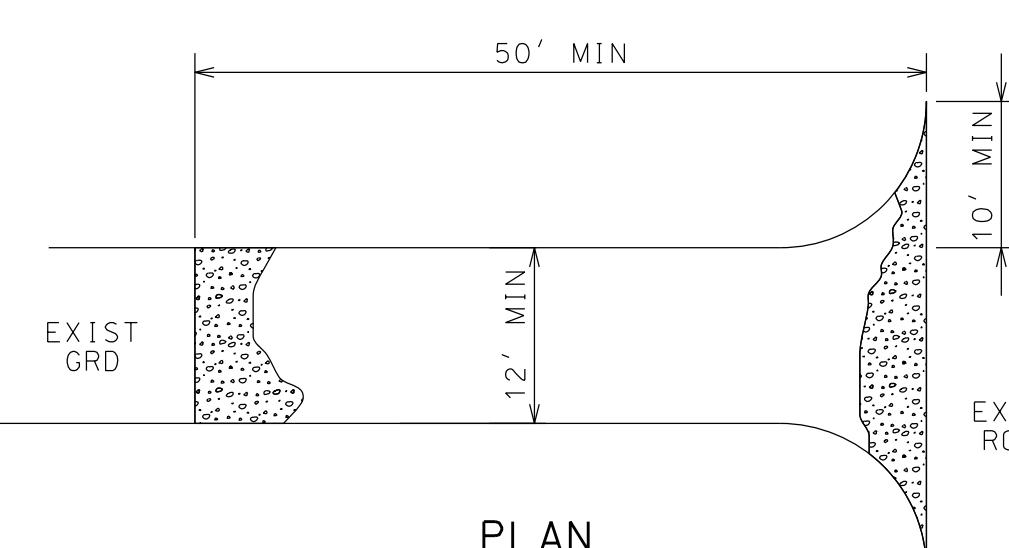
- 1) LOCATE MIN 100' FROM WETLANDS, STREAMS, STORM DRAINS, SWALES, ETC.
- 2) GRADE SURROUNDING AREA TO PREVENT SURFACE WATER FROM ENTERING.
- 3) DAMAGED OR LEAKING FACILITY SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
- 4) EXCESS RAINWATER OVER HARDENED CONCRETE SHALL BE PUMPED TO STABILIZED AREA.
- 5) ALL HARDED MATERIAL SHALL BE REMOVED WHEN BASIN 75% FULL.
- 6) DISPOSE OF HARDENED MATERIAL OFF-SITE AND 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



PROFILE



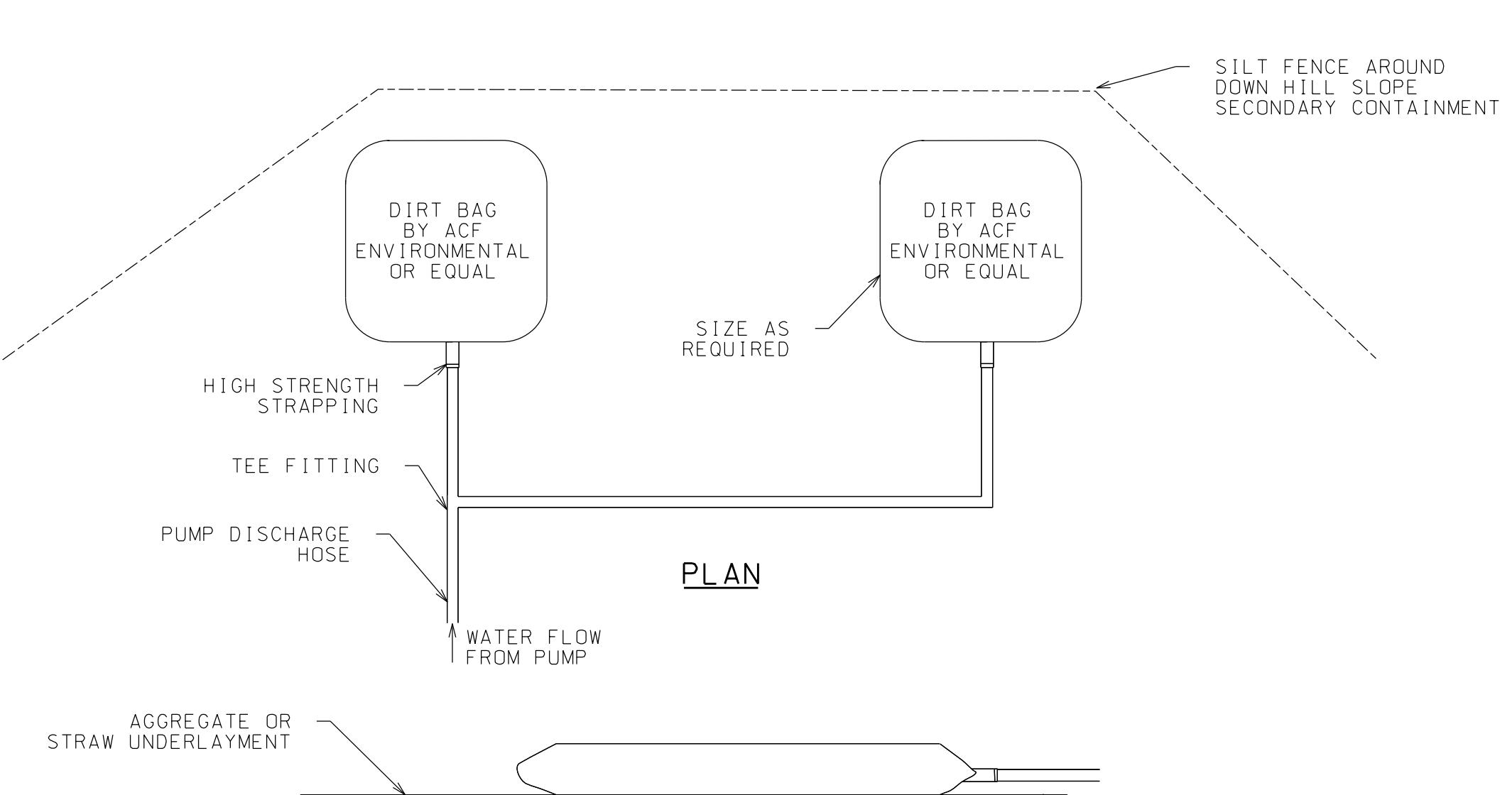
PLAN

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, 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



SIDE VIEW

PUMPED SEDIMENT REMOVAL SYSTEM

NTS

SHEET

C301



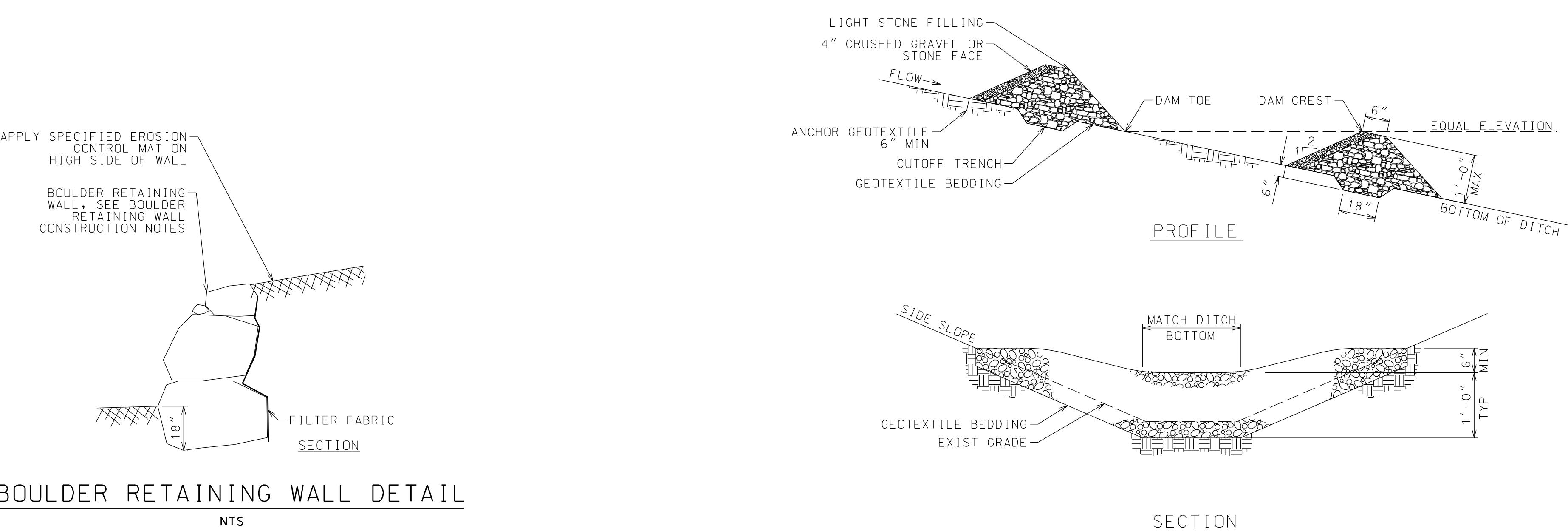
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SUPERVISION OF A LICENSED PROFESSIONAL
ENGINEER, TO ALTER ANY ITEM IN ANY WAY
ALTERED, THE ALTERING ENGINEER SHALL AFFIX
THE DOCUMENTATION AND NOTATION
"ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND
THE DATE OF ALTERATION, AND A SPECIFIC
DESCRIPTION OF THE ALTERATION.

BOULDER RETAINING WALL CONSTRUCTION NOTES:

1. ROCKS FOR BOTTOM COURSE OF WALL SHALL BE $1\frac{1}{2}$ CY MIN, 2 CY PREFERRED. SUCCESSIVE COURSES SHALL BE $\frac{1}{2}$ 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 COMPACTION IN LIFTS OF NO MORE THAN 12". COMPACTION SHALL BE WITH A VIBRATORY PLATE AND COMPLETED TO THE SATISFACTION OF THE ONSITE INSPECTOR.



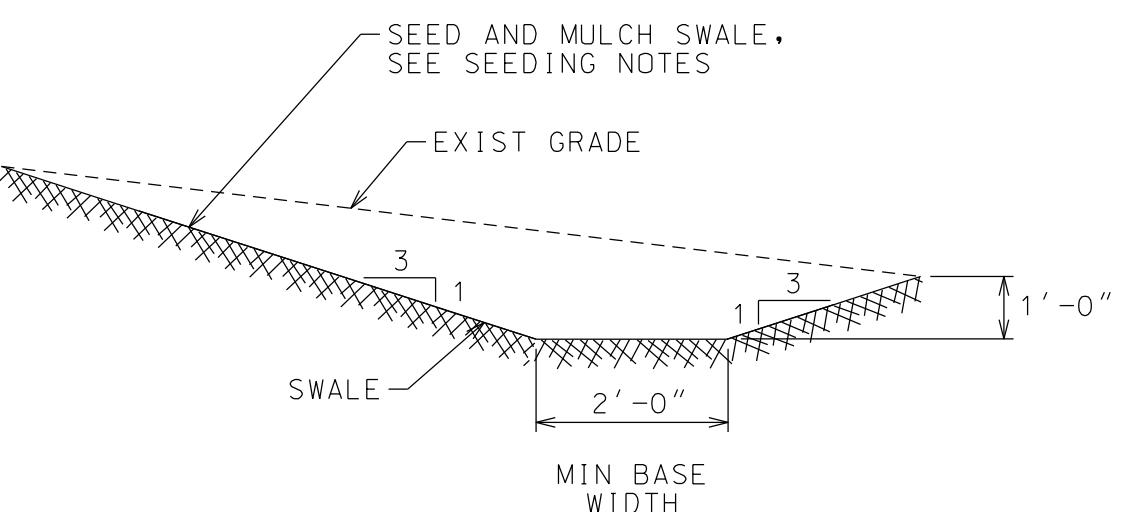
BOULDER RETAINING WALL DETAIL

NTS

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.
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.



GRASS SWALE SECTION

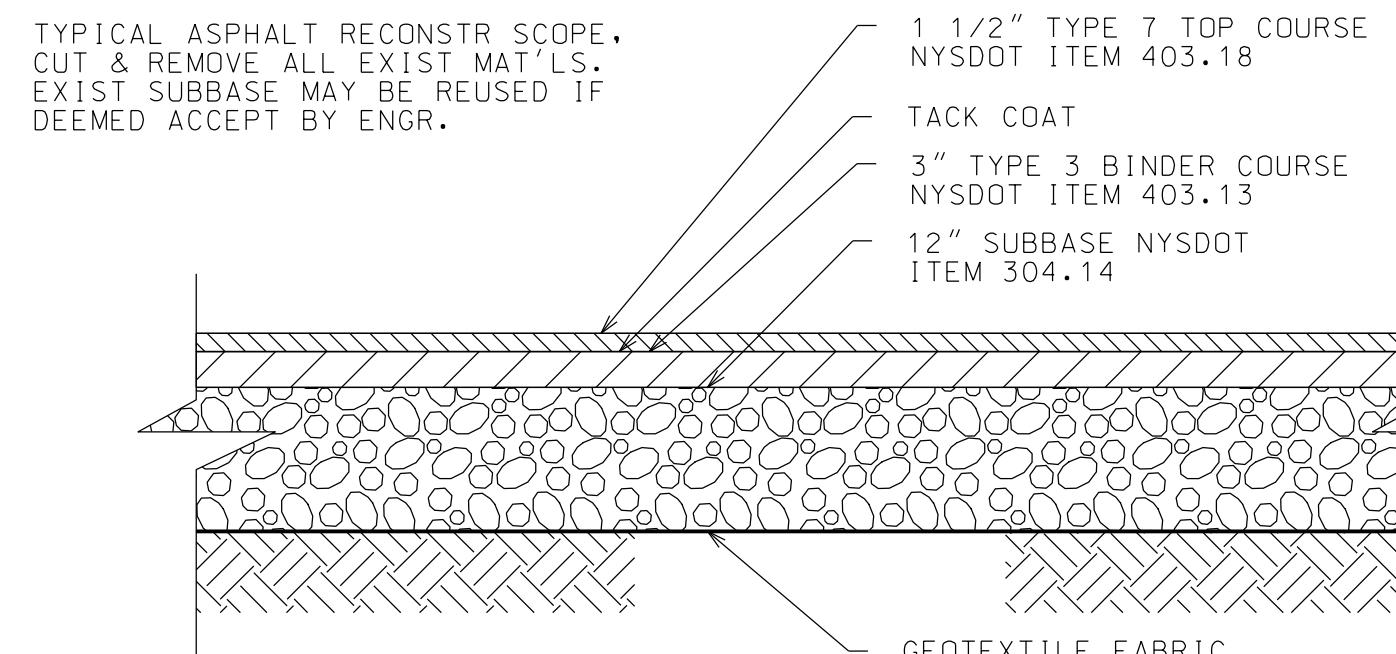
NTS

NOTES:

1. REMOVE ALL BRUSH, STUMPS AND OBSTRUCTIONS SO AS NOT TO INTERFERE W SWALE.
2. SEED AND MULCH AFTER FORMING. ADD STONE CHECK DAMS 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.

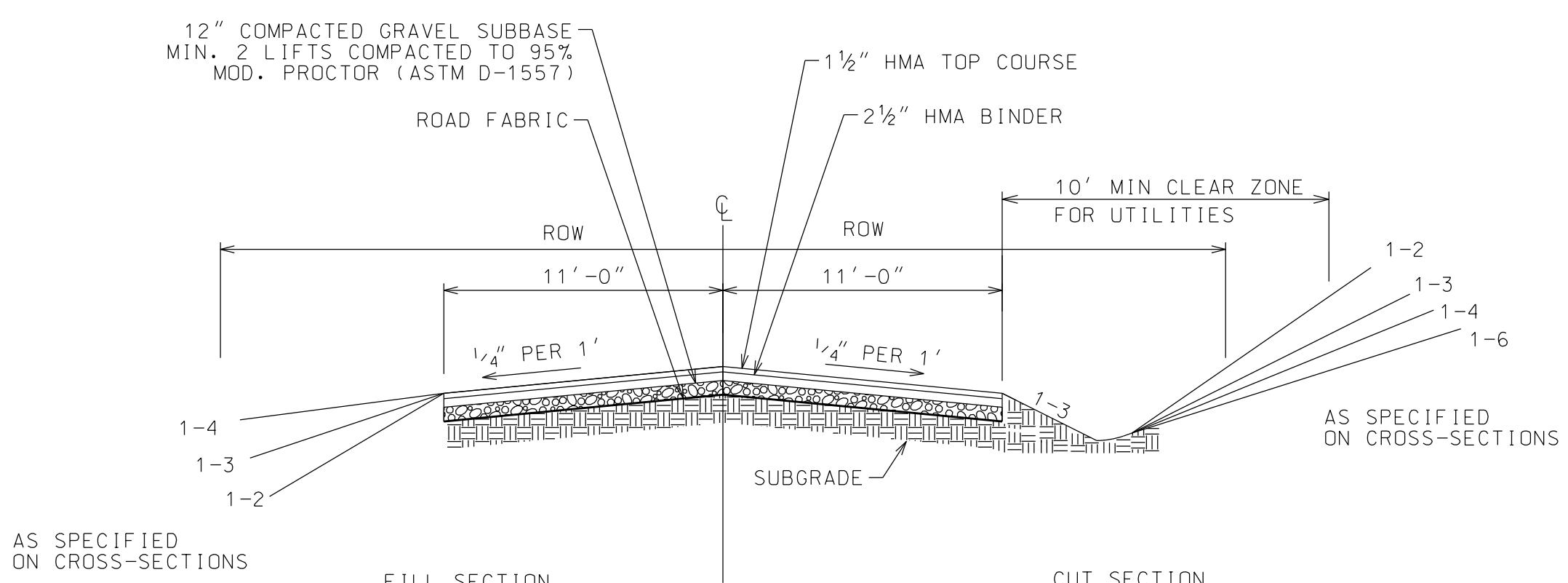
TEMPORARY STONE CHECK DAM

NTS



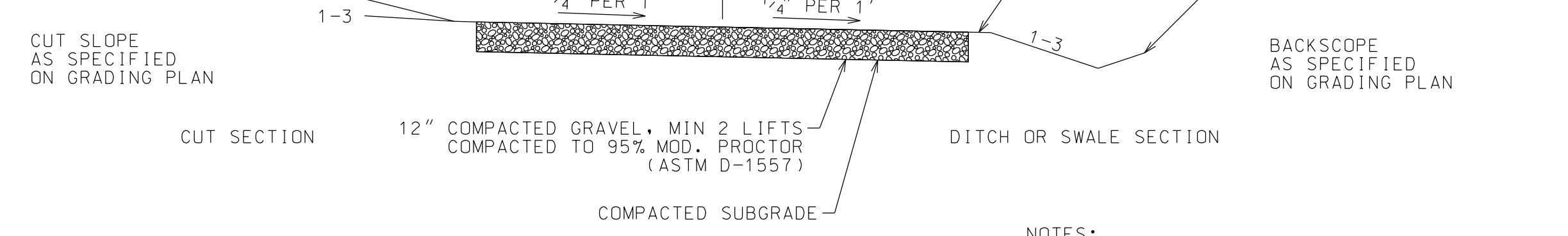
NEW ASPHALT PAVEMENT DETAIL

NTS



TYPICAL ROAD SECTION

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.

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

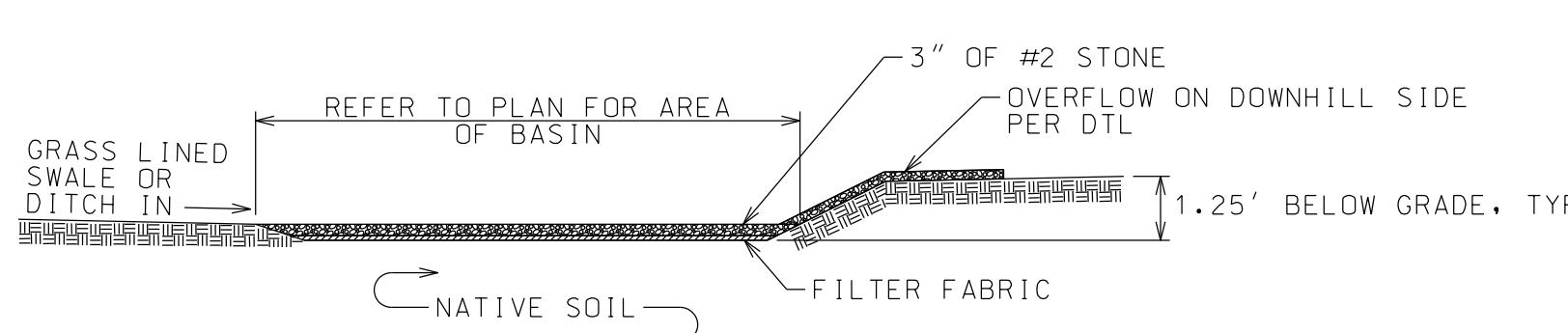
SITE DETAILS

SHEET

C302



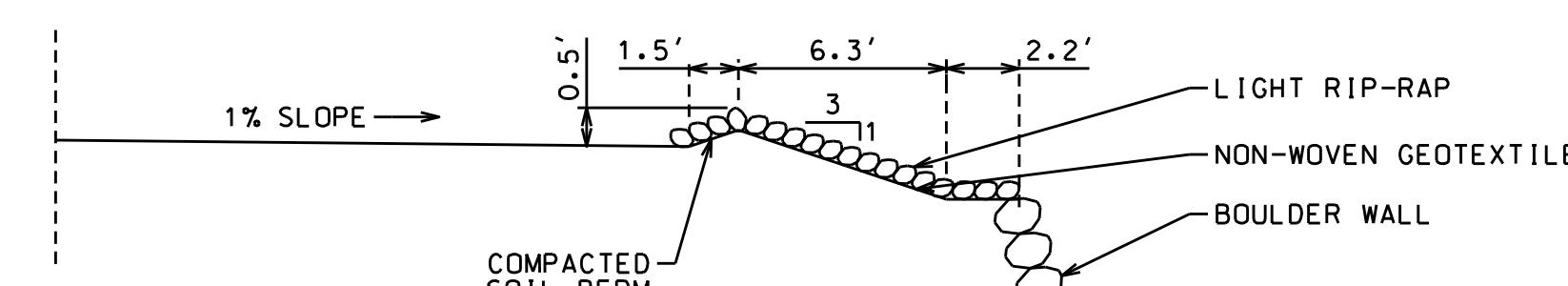
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INFILTRATION BASIN DETAIL

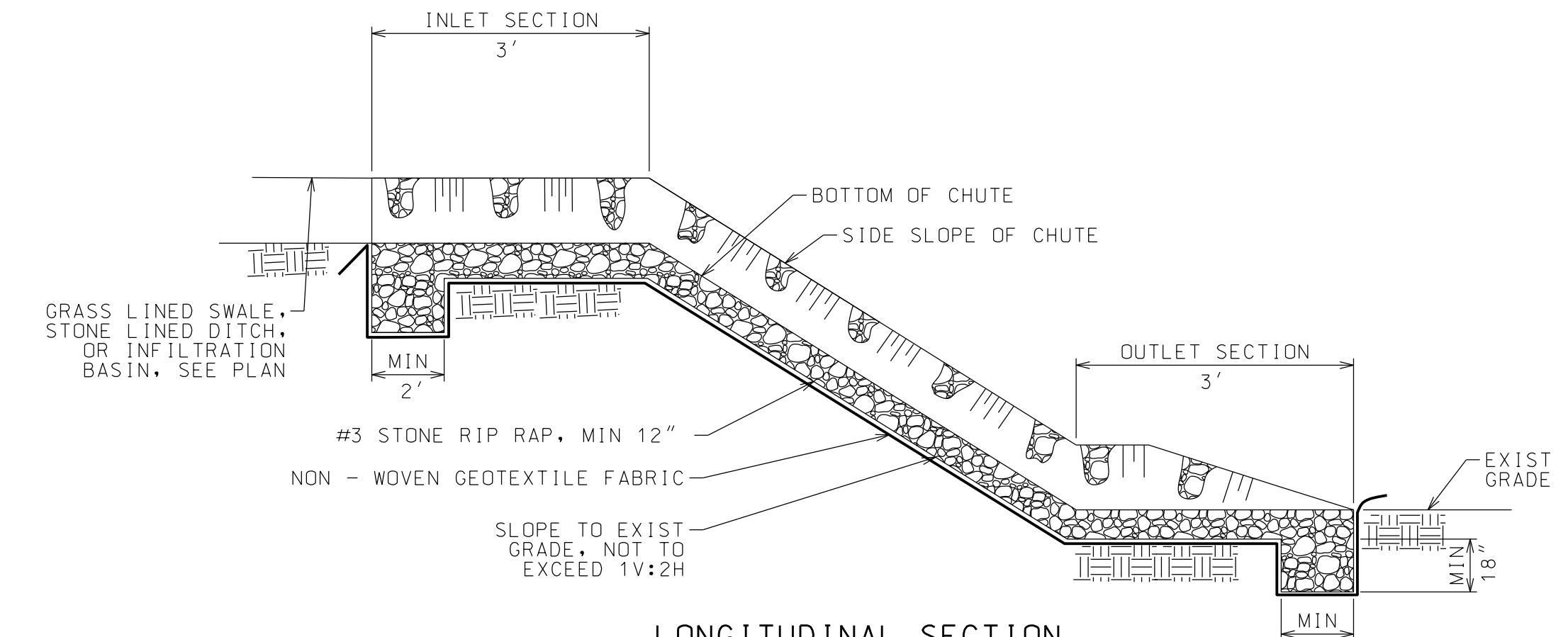
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NOTE:
1. FOLLOW CONTOURS TO ENSURE BASIN BOTTOM REMAINS LEVEL.

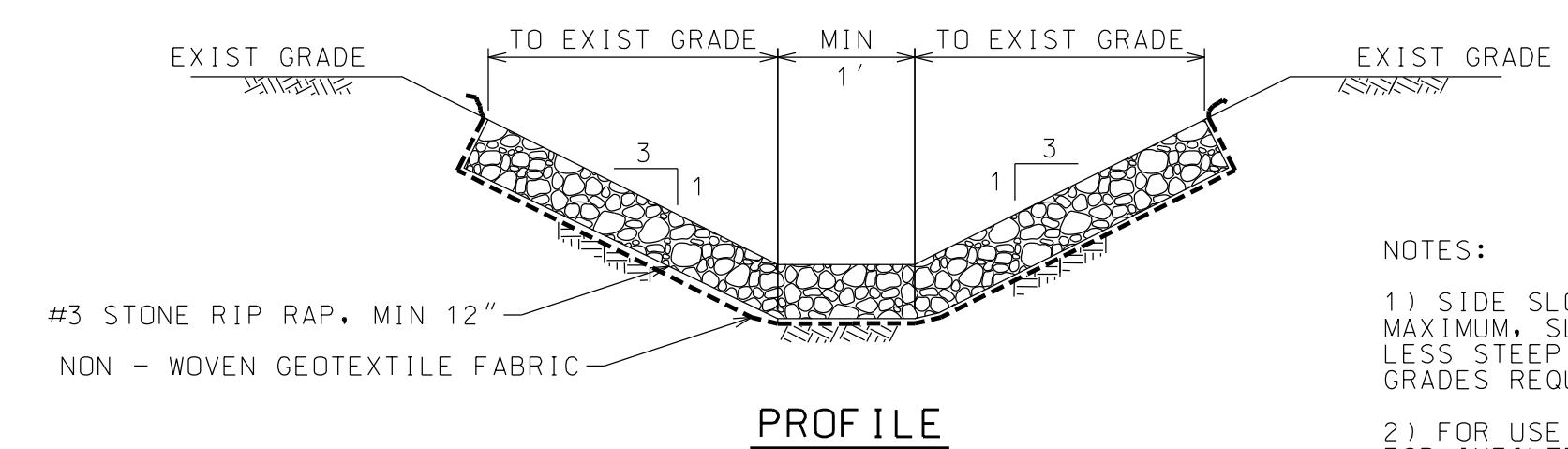


HAMMERHEAD SNOW STORAGE
SEDIMENT TRAP DETAIL

NTS



LONGITUDINAL SECTION

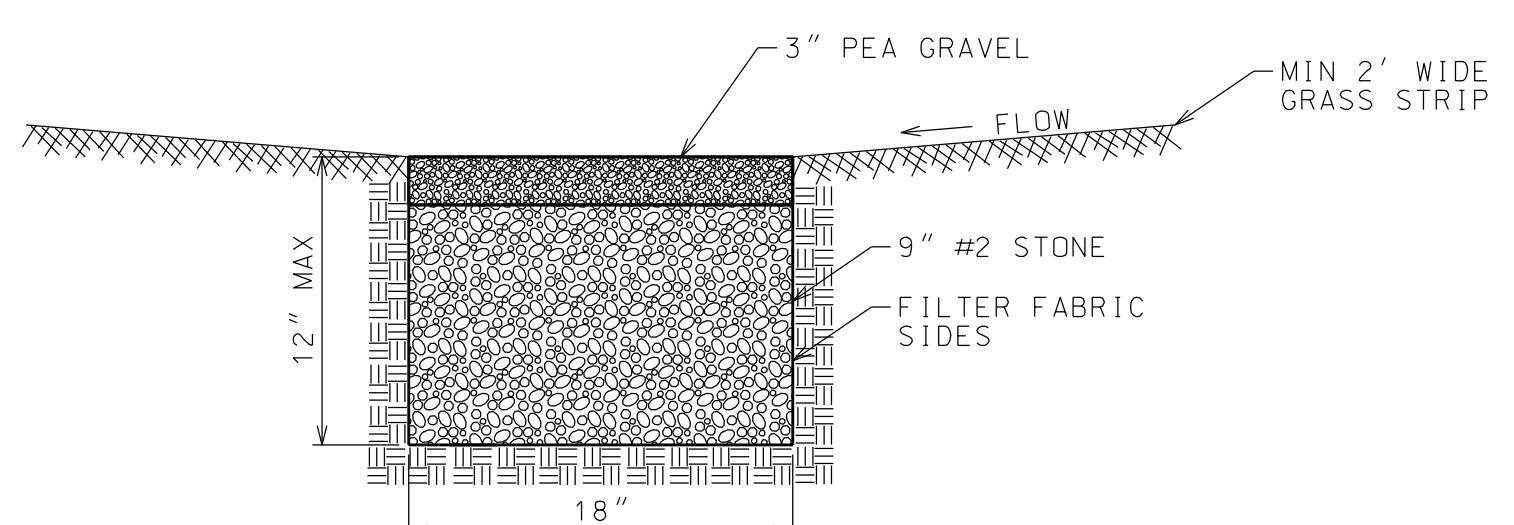


PROFILE

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

NTS

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

HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL GONQUIN 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

GENERAL AND CONSTRUCTION NOTES

1. SITE PLAN BASED ON SURVEY BY MARVIN LAND SURVEYING, LAKE PLACID, NY. ADDITIONAL SITE INFORMATION ON OBSERVATION BY STAFF OF NORTH WOODS ENGINEERING, PLLC, WINTER 2024 AND SPRING 2025.
2. NOTIFY ENGINEER (518-891-4975) 48 HOURS BEFORE STARTING WORK.
3. UNDERGROUND UTILITIES ARE SHOWN BASED ON AVAILABLE INFORMATION, THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN, AND OTHERS MAY EXIST.
4. THE PLANS SHOW KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, THE EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS SHOWN. THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. NOTIFY DIG SAFELY NEW YORK TWO (2) WORKING DAYS PRIOR TO DIGGING, DRILLING, OR BLASTING AT 1-800-962-7962 FOR UTILITY STAKE OUT.
5. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS CERTIFICATES, ETC.
7. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE OR RIGHT-OF-WAY MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND UTILITIES.
9. ALL TRENCHING EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE PROJECT.
11. FLOW SHALL BE MAINTAINED FOR ALL EXISTING UTILITIES, CULVERTS AND DITCHES.
12. BEFORE CONSTRUCTING LINES REQUIRING CONNECTION TO EXISTING UTILITIES, VERIFY EXISTING INVERTS AND NOTIFY ENGINEER IF ANY VARIATION FORM PLAN IS REQUIRED.
13. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN OPERATING CONSTRUCTION EQUIPMENT OVER NEW UTILITY TRENCHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM OF TWO FEET OF COVER OR MORE, IF REQUIRED, OVER ANY UTILITY LINE SUBJECT TO CONSTRUCTION TRAFFIC.
14. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EROSION CONTROL MEASURES IN ACCORDANCE WITH "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".
15. THE CONTRACTOR SHALL PROVIDE SILT AND EROSION CONTROL AROUND CULVERTS AND DRAINAGE STRUCTURES WHEN CONSTRUCTION ACTIVITIES ARE IN THE VICINITY OF STORM SEWERS OR AS ORDERED BY ENGINEER.
16. ALL WORK INVOLVING CONNECTIONS TO THE EXISTING WATER SYSTEM SHALL BE COORDINATED WITH THE ENGINEER AND THE TOWN OF NORTH ELBA. NOTIFY THE ENGINEER AND THE VILLAGE DEPARTMENT OF PUBLIC WORKS IN WRITING 48 HOURS BEFORE EACH AND EVERY CONNECTION TO THE EXISTING SYSTEM. A WRITTEN NOTIFICATION TO HOMEOWNERS OR BUSINESSES SHALL BE PROVIDED BY THE CONTRACTOR AT LEAST TWO DAYS IN ADVANCE.
17. CONTRACTOR SHALL ENSURE THAT THE PUBLIC WATER SUPPLY REMAINS UNCONTAMINATED DURING ALL CONSTRUCTION ACTIVITIES
18. WATER MAINS SHALL BE AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER. WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE PIPES. THIS SHALL BE THE CASE WHERE THE MAIN IS EITHER ABOVE OR BELOW THE SEWER. AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE.
19. SERVICE LOCATIONS SHOWN ON THE DRAWINGS ARE FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH OWNER.
20. COORDINATE WITH UTILITY COMPANIES FOR POLE HOLDING AS REQUIRED.
21. PROTECT ALL TRAFFIC AND STREETS SIGNS DURING PROJECT. INSTALL TEMPORARY SIGNS WHEN EXISTING SIGNS ARE NOT IN PLACE, TEMPORARY SIGNS SHALL CONFORM TO THE NYSDOT MUTCD.
22. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL PROPERTIES WHENEVER POSSIBLE OR AS DIRECTED BY ENGINEER.
23. MAINTAIN FULL AND COMPLETE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
24. MAINTAIN SUPERVISED ONE-WAY TRAFFIC WHEN TWO-WAY TRAFFIC IS NOT POSSIBLE.
25. CONFORM TO ALL NYSDOT REQUIREMENTS FOR MAINTENANCE AND PROTECTION OF TRAFFIC AS REQUIRED BY THE NYSDOT STANDARD SPECIFICATIONS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES WHEN CONSTRUCTION ACTIVITIES IMPACT ACTIVITIES IN OR DIRECTLY ADJACENT TO THE NYSDOT RIGHT-OF-WAY.
26. CONTRACTOR SHALL REVIEW PAVEMENT BASE COURSE ELEVATION BEFORE PLACEMENT OF TOP COURSE. LOCATIONS WHICH ARE NOT ABLE TO RECEIVE AT LEAST ONE INCH OF COMPACTED TOP COURSE TO MEET FINISH GRADE ELEVATION SHALL BE MILLED AT THE CONTRACTOR'S EXPENSE.
27. CONTRACTOR SHALL MEASURE AND ACCURATELY RECORD ALL FINAL LOCATIONS OF UTILITY COMPONENTS ON AS-BUILT DRAWINGS AND PROVIDE TO THE OWNER AND ENGINEER.
28. RESTORE ALL DISTURBED AREAS TO PRE-EXISTING CONDITIONS.

PRESSURE TEST NOTES

FOLLOWING TEST PROCEDURE SHALL ONLY BE USED FOR HDPE PIPING.

NOTIFY ENGINEER (518-891-4975) 24 HRS BEFORE STARTING TESTING.

ALL WATER REQUIRED FOR TESTING SHALL BE POTABLE.

PRESSURE TEST SHALL BE IN ACCORDANCE WITH AWWA STANDARD M55.

DETERMINE WORKING PRESSURE OF LOWEST SECTION OF PIPE TO BE TESTED.

RESTRAINT TEST SECTION FROM MOVEMENT.

SLOWLY FILL TEST SECTION TO REMOVE AIR.

CONTRACTOR SHALL DEVELOP AND MAINTAIN FOR FOUR HOURS 150% OF THE WORKING PRESSURE OF THE SECTION OF PIPE. ADD MAKEUP WATER AS NEEDED. REDUCE PRESSURE BY 10 PSI AND MONITOR PRESSURE FOR 1 HOUR. PRESSURE SHALL BE MAINTAINED WITHIN 5% OF THE REDUCED PRESSURE. FAILURE TO HOLD WITHIN 5 % OF REDUCED PRESSURE FOR THE ONE HOUR PERIOD CONSTITUTES A FAILURE OF THE SECTION TESTED.

MAXIMUM LENGTH OF PIPE TO BE TESTED AT ONE TIME SHALL NOT EXCEED 1000' IN LENGTH.

• TEST RECORDS SHALL BE KEPT, AND INCLUDE NAME OF TESTER, TEST MEDIUM, TEST PRESSURE, TEST DURATION, PRESSURE RECORDING CHART, MAKEUP WATER ADDED, PRESSURES AT HIGH AND LOW POINTS WITH ELEVATIONS, WEATHER CONDITIONS, PIPE INFORMATION, DESCRIPTION OF TEST SECTION, DESCRIPTION OF LEAKS, FAILURES AND REPAIRS, AND TEST TIMES AND DATES. THE TEST RECORD SHALL BE SIGNED ATTESTING TO THE VERASITY OF THE DOCUMENT.

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

PELINE DISINFECTION NOTES

THE PIPELINE SHALL BE DISINFECTED AS DIRECTED BY THE ENGINEER. AWWA C651 (LATEST VERSION) SHALL BE USED AS THE BASIS FOR THE DISINFECTION PROCESS.

ALL DISINFECTION AND TESTING SHALL BE COMPLETED BY AN INDEPENDENT THIRD PARTY UNLESS OTHERWISE APPROVED BY ENGINEER.

AT A MINIMUM, DISINFECTION SHALL INCLUDE THE FOLLOWING:

- a. COMPLETE FLUSHING OF THE PIPELINE TO WASH OUT ALL DIRT, DEBRIS, ETC WHICH MAY HAVE ACCUMULATED IN THE PIPELINE DURING CONSTRUCTION.
- b. FOLLOWING FLUSHING (TO CLEAN CLEAR WATER), THE CONTRACTOR WILL ADD CHLORINE TO THE ENTIRE PIPELINE VOLUME OR WATER SUCH THAT THE WATER WILL NOT HAVE LESS THAN 25 mg/L FREE CHLORINE, AND LET THE MIXTURE SET FOR AT LEAST 24 HOURS.
- c. AFTER THE 24 HOUR DURATION, THE WATER IN THE PIPELINE SHALL BE TESTED FOR RESIDUAL FREE CHLORINE AND MUST CONTAIN A MINIMUM OF 10 mg/L CHLORINE. IF LESS THAN 10 mg/L IS FOUND, THEN THE DISINFECTION PROCEDURE SHALL BE REPEATED UNTIL AT LEAST 10 mg/L CHLORINE RESIDUAL IS INDICATED BY TEST.
- d. UPON SUCCESSFUL COMPLETION OF THE STEPS ABOVE, THE PIPELINE SHALL BE FLUSHED AGAIN UNTIL THE CHLORINE CONCENTRATION IN THE PIPELINE IS NO HIGHER THAN THAT PREVAILING IN THE WATER SUPPLY.

AFTER FINAL FLUSHING AND BEFORE THE PIPELINE IS PLACED IN SERVICE, BACTERIOLOGICAL SAMPLES SHALL BE COLLECTED ON TWO CONSECUTIVE DAYS, AND SUBMITTED TO AN INDEPENDENT TESTING LABORATORY. SUBMIT TEST RESULTS TO THE TOWN OF WILMINGTON, NEW YORK STATE DEPARTMENT OF HEALTH, AND THE ENGINEER FOR REVIEW AND APPROVAL.

IF THE INITIAL DISINFECTION FAILS TO PRODUCE SAMPLES WHICH PASS THE NEW YORK STATE DEPARTMENT OF HEALTH REQUIREMENTS FOR POTABLE DRINKING WATER, THEN THE PROCESS SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

INSTALLATION NOTES

ITARY SEWER

BELL ENDS OF PIPES SHALL BE PLACED FACING UPSTREAM.

ALL PIPE AND FITTINGS SHALL BE CAREFULLY EXAMINED FOR DEFECTS AND SHALL NOT BE INSTALLED IF THEY ARE KNOWN TO BE DEFECTIVE.

KEEP DIRT AND FILL MATERIAL OUT OF PIPE. USE TEMPORARY CAPS AS NEEDED.

EACH PIPE SHALL BE LAID SO AS TO FORM A CLOSE JOINT WITH THE NEXT ADJOINING PIPE AND TO BRING THE INVERTS CONTINUOUSLY TO THE REQUIRED GRADE.

PIPE SHALL BE LAID AT A CONSTANT GRADE FROM MANHOLE TO MANHOLE.

STRAIGHT ALIGNMENT TO BE CHECKED BY USING LASER OR LAMPING.

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

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

MAINTAIN 10' HORIZONTAL SEPARATION FROM WATERLINES.

CONDUCT LEAKAGE TESTING. WATER OR LOW PRESSURE AIR ARE ACCEPTABLE. AIR TESTING SHALL BE IAW ASTM F1417. WATER TEST SHALL BE WITH MIN 2' OF HEAD. PROVIDE TEST RESULTS TO ENGINEER.

CONDUCT AIR TESTING ON MANHOLES IAW ASTM C1244. PROVIDE TEST RESULTS TO ENGINEER.

PROVIDE AS-BUILT INFORMATION IN ACCORDANCE WITH THE GENERAL NOTES.

CONTRACTOR SHALL COORDINATE WITH THE TOWN OR NORTH ELBA WATER AND SEWER DEPT ON BY-PASS SEWER PUMPING.

ER MAIN

ALL PIPE SHOULD BE LAID MINIMUM 5'-6" BELOW FINAL GRADE, UNO.

WATER LATERALS TO CONNECT TO EXIST LATERALS AT EXISTING CURB BOXES. IF NO CURB BOX IS PRESENT, INSTALL AT EDGE OF RIGHT-OF-WAY.

BOARD INSULATION SHALL BE INSTALLED UNDER OPEN ROAD CUTS AND DRIVEWAYS AND WHEN MINIMUM BURY DEPTH OF PIPING CAN NOT BE MAINTAINED, NOTIFY ENGINEER OF CONDITIONS.

HYDRANTS SHALL BE AT HIGH POINTS OF LINE. VERIFY HYDRANT PLACEMENT AND REPORT ANY CHANGES TO ENGINEER.

UNLESS OTHERWISE NOTED, DO NOT END SERVICES IN BOTTOM OF ROADSIDE DITCH, BUT TO THE BACK OF ROW.

CONTRACTOR SHALL STAKE OUT HYDRANT LOCATIONS FOR APPROVAL BY THE MUNICIPALITY PRIOR TO INSTALLATION.

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

KEEP DIRT AND FILL MATERIAL OUT OF PIPE. USE TEMPORARY CAPS AS NEEDED.

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

CONDUCT TESTING AND DISINFECTION IN ACCORDANCE WITH NOTES.

PROVIDE AS-BUILT INFORMATION IN ACCORDANCE WITH GENERAL NOTES

WATER SYSTEM MATERIAL NOTES

1. PIPE SHALL BE FLEXIBLE HIGH DENSITY DR 11 POLYETHYLENE PIPE AND DUCTILE IRON CL 52, SEE PLAN FOR LOCATIONS. PIPE SHALL CONFORM TO CURRENT AWWA STANDARDS.
2. FITTINGS SHALL BE POLYETHYLENE ELECTROFUSION CONFORMING TO AWWA C906 AND ASTM D-3350, 140 PSI WORKING PRESSURE.
3. BOLTS AND NUTS SHALL CONFORM TO ANSI/AWWA C111/A21.11-90.
4. GATE VALVES SHALL CONFORM TO AWWA C509-87 AND BE IN CONFORMANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH STANDARDS.
5. VALVE BOXES SHALL BE CAST IRON NEW ENGLAND STYLE SLIDE TYPE, $5\frac{1}{4}$ INCH SHAFT, 6 FOOT TRENCH DEPTH AND SHALL BE IN CONFORMANCE WITH NEW YORK STATE DEPARTMENT OF HEALTH STANDARDS
6. CORPORATIONS AND CURB STOPS SHALL BE BY MUELLER AND MANUFACTURED IN ACCORDANCE WITH AWWA C800.
7. COPPER TUBING SHALL BE TYPE K, SOFT TEMPER, CONFORMING TO ASTM B88.

GENERAL WATER NOTES

1. NOTIFY ENGINEER (518-891-4975) BEFORE STARTING WORK.
2. PERFORM TRENCHING OPERATION IN COMPLIANCE WITH ALL OSHA REQUIREMENTS.
3. INSTALLED PIPING SHALL BE PLUGGED WITH A WATERTIGHT PLUG DURING WET CONDITIONS AND AT THE END OF EACH WORK DAY.
4. PIPING SHALL NOT BE INSTALLED IN WET CONDITIONS, DEWATER AS NECESSARY TO PROVIDE DRY WORKING CONDITIONS.
5. CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF LOCATION AND DEPTHS OF WATER MAIN.
6. CONTRACTOR SHALL NOT CONDUCT DISINFECTION UNTIL RECEIVING WRITTEN PERMISSION FROM ENGINEER.

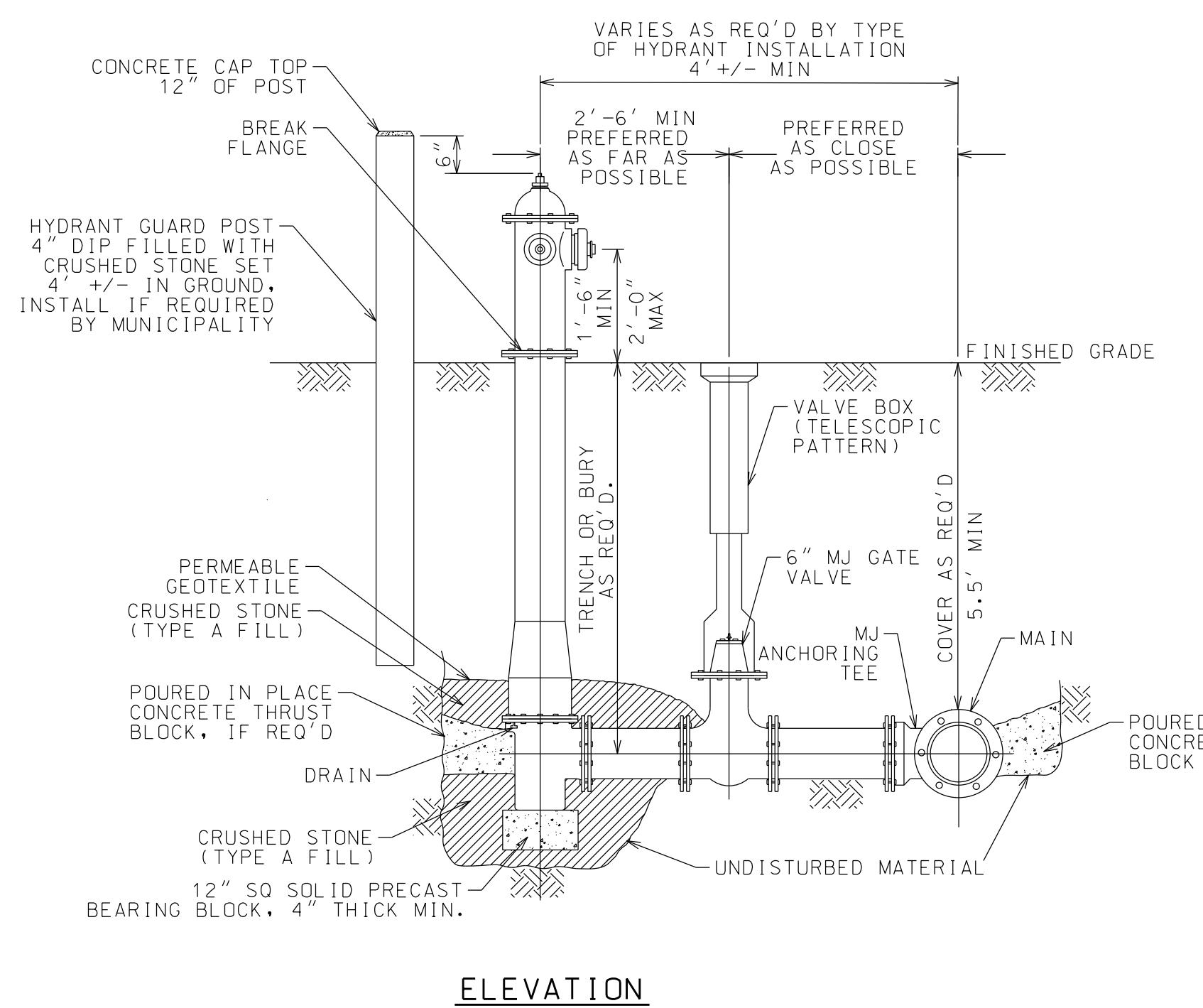
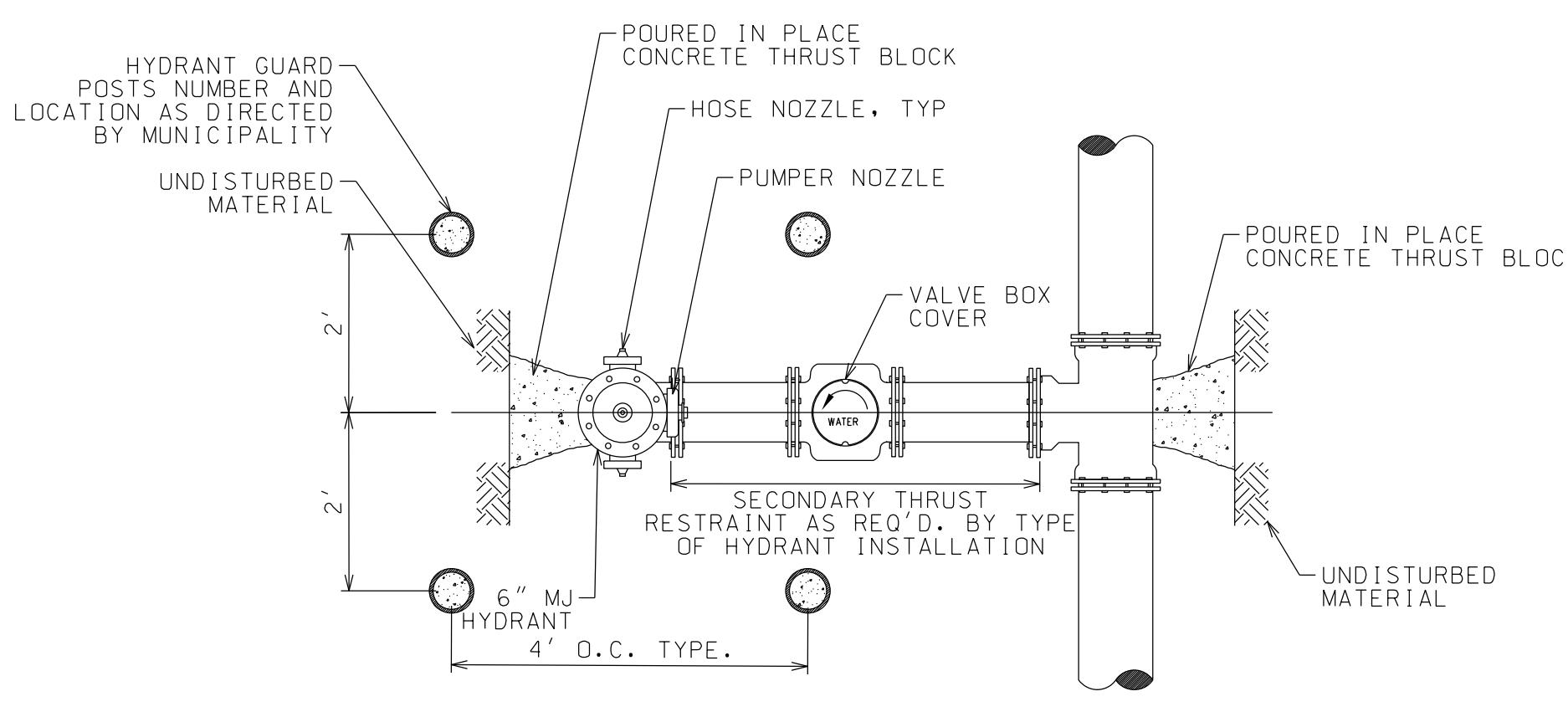
SUBBASE & SEWER MATERIAL NOTES

1. SUBBASE SHALL BE GRADED IAW NYS DOT STANDARD SPECIFICATION SECTION 304, GRADATE TYPE 4.
2. CRUSHED STONE MATERIAL SHALL BE #2 STONE.
3. TYPE A SELECT FILL SHALL BE NATURAL RIVER OR BANK SAND, MEETING NYS DOT SPECIFICATIONS FOR CONCRETE SAND.
4. TYPE F SELECT FILL SHALL BE IAW SUBBASE NOTE ABOVE.
5. GRAVITY SEWER PIPING TO BE SDR 35 PVC, ASTM D3034, WITH ASTM F477 GASKETS.
6. FORCE MAIN PIPING SIMILAR TO WATER MAIN



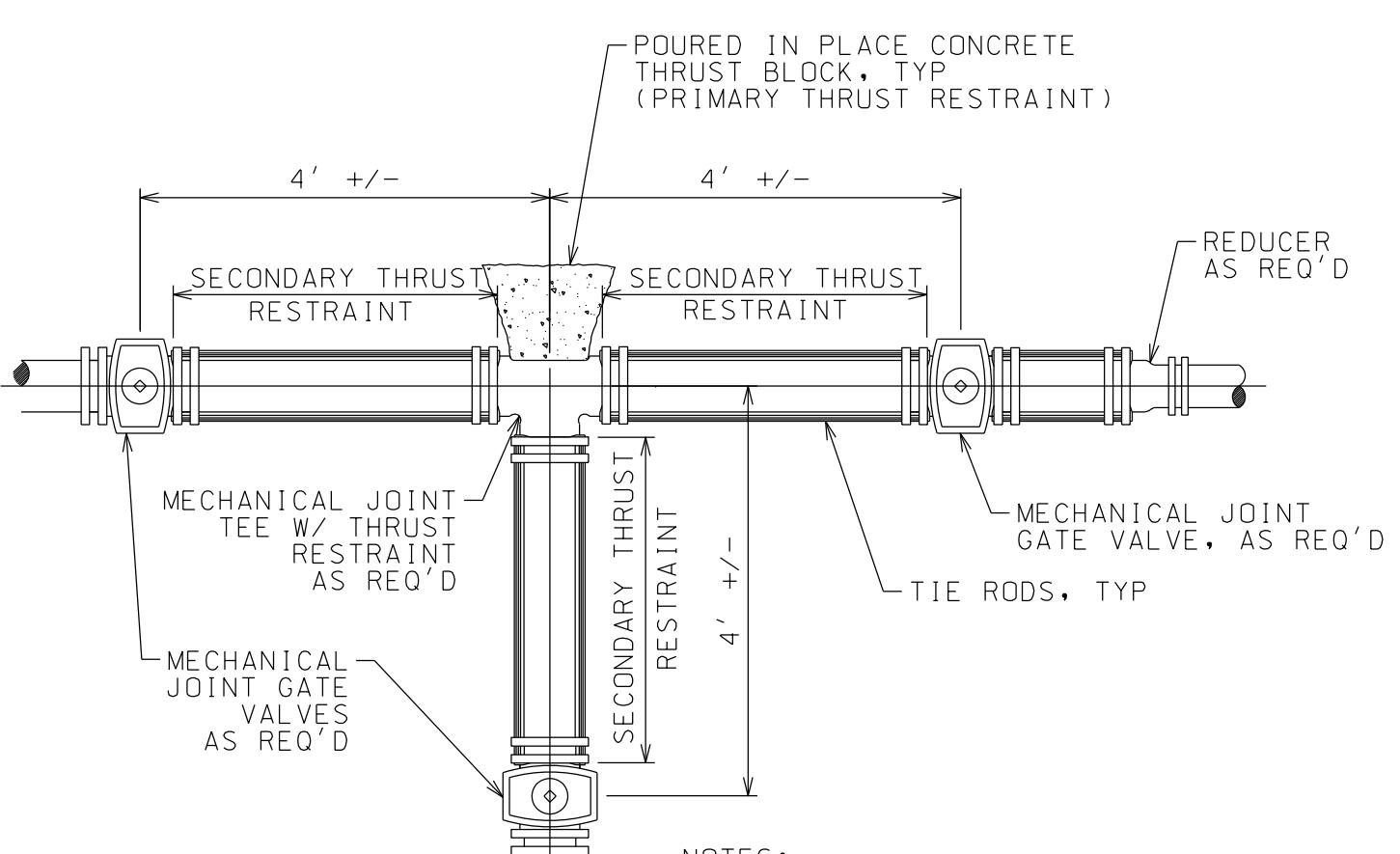
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HOMESTEAD DEVELOPMENT CORP
FOX HILL
ALCONQUIN DRIVE • LAKE PLACID, NY



TYPICAL HYDRANT INSTALLATION

NTS



TYPICAL GATE VALVE JUNCTION LAYOUT

NTS

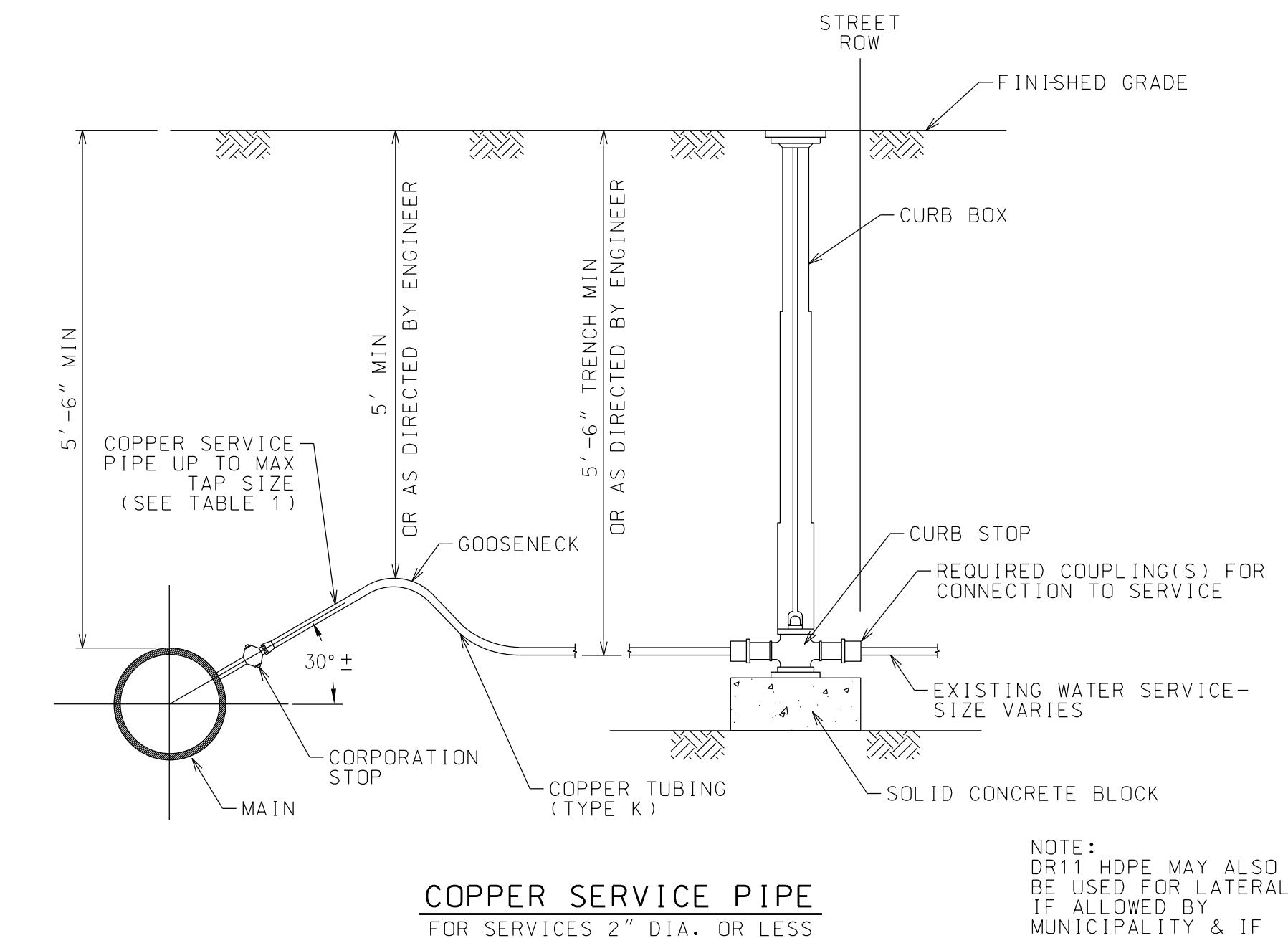
NUMBER OF TIE RODS REQUIRED

PIPE SIZE (INCHES)	MINIMUM NO. OF $\frac{5}{8}$ " RODS
2	2
3	2
4	2
6	2
8	2
10	2
12	2

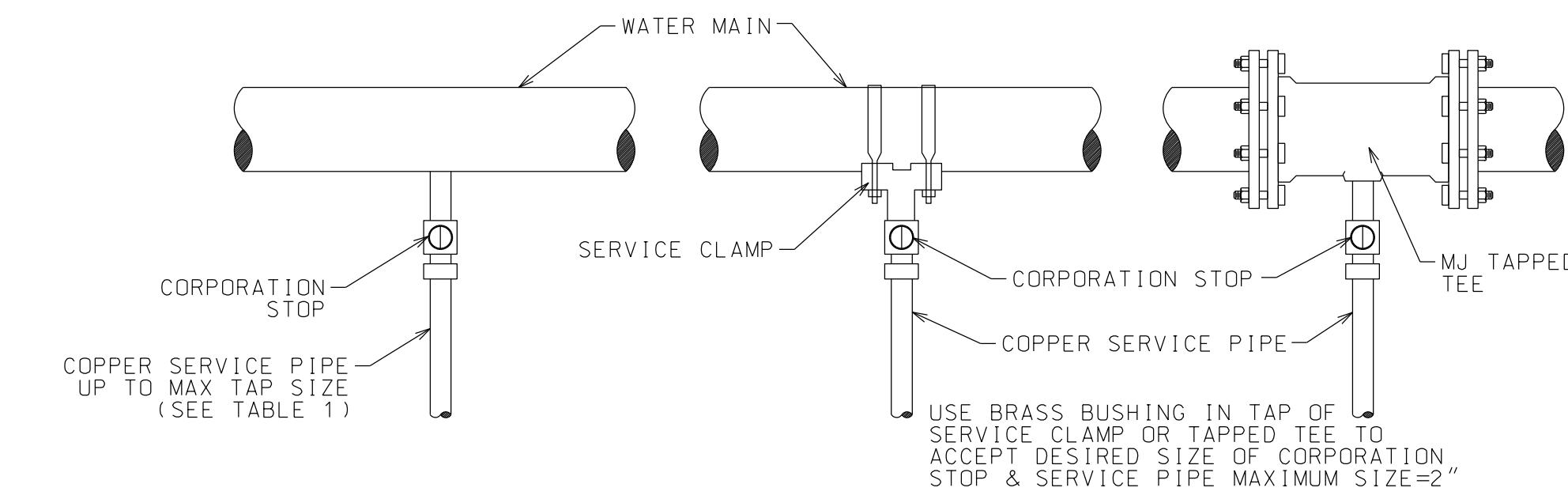
NOTES:
1. APPLIES TO $\frac{3}{4}$ " RODS AS WELL

TABLE 1 - MAXIMUM TAP SIZE

MAIN SIZE - INCHES	3	4	6	8	10	12 & LARGER
MAX TAP SIZE - INCHES	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2



TYPICAL SERVICE CONNECTION

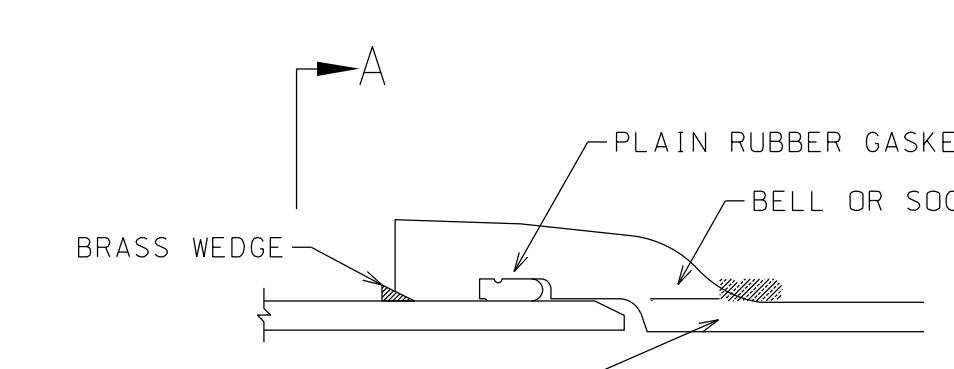


SINGLE TAP
(MAXIMUM TAP SIZE PER TABLE 1)

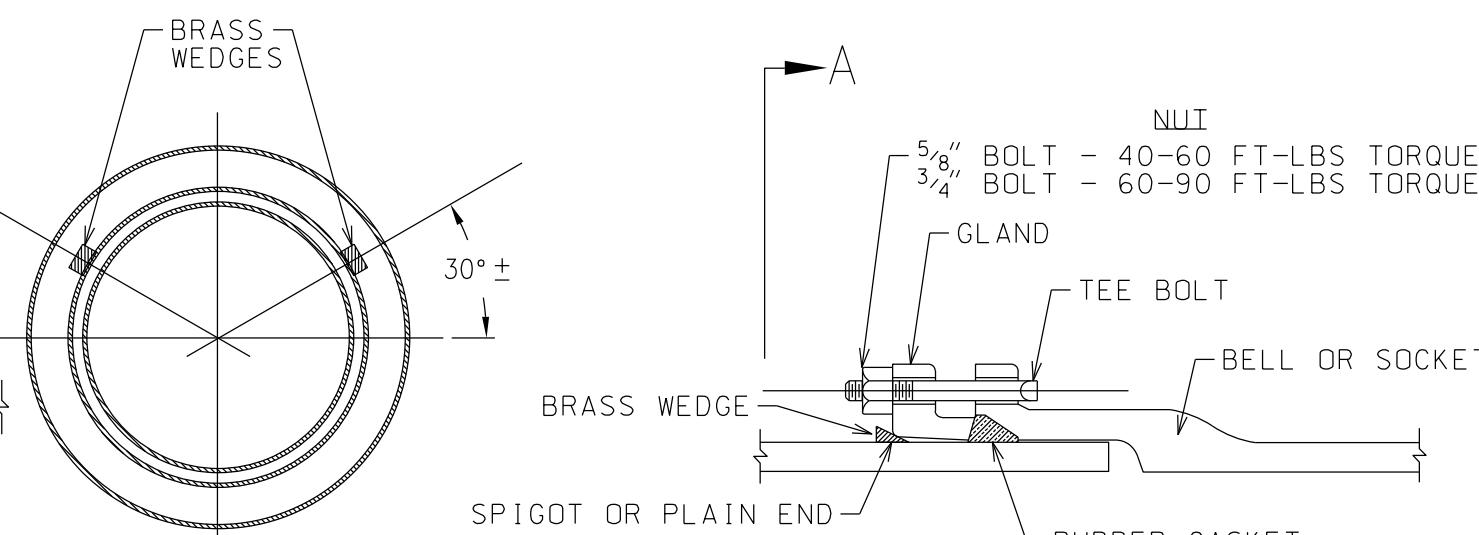
SERVICE CLAMP

TAPPED TEE
(USE FOR TAPS LARGER THAN SPECIFIED IN TABLE 1, BUT NO LARGER THAN 2" DIA)

TYPICAL COPPER SERVICE PIPE CONNECTIONS



PUSH-ON JOINT (PJ)



SECTION A

MECHANICAL JOINT (MJ)

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

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

TYPICAL JOINT CONDUCTIVITY DETAIL

NTS

PROJECT NAME

LAKE PLACID, NY

DATE

12/12/25

ISSUED FOR

PERMITTING

DRAWN BY:

RRG

CHECKED BY:

JAG

PROJECT #:

25-073

ORIGINAL 24"x36"

TITLE

WATER DETAILS

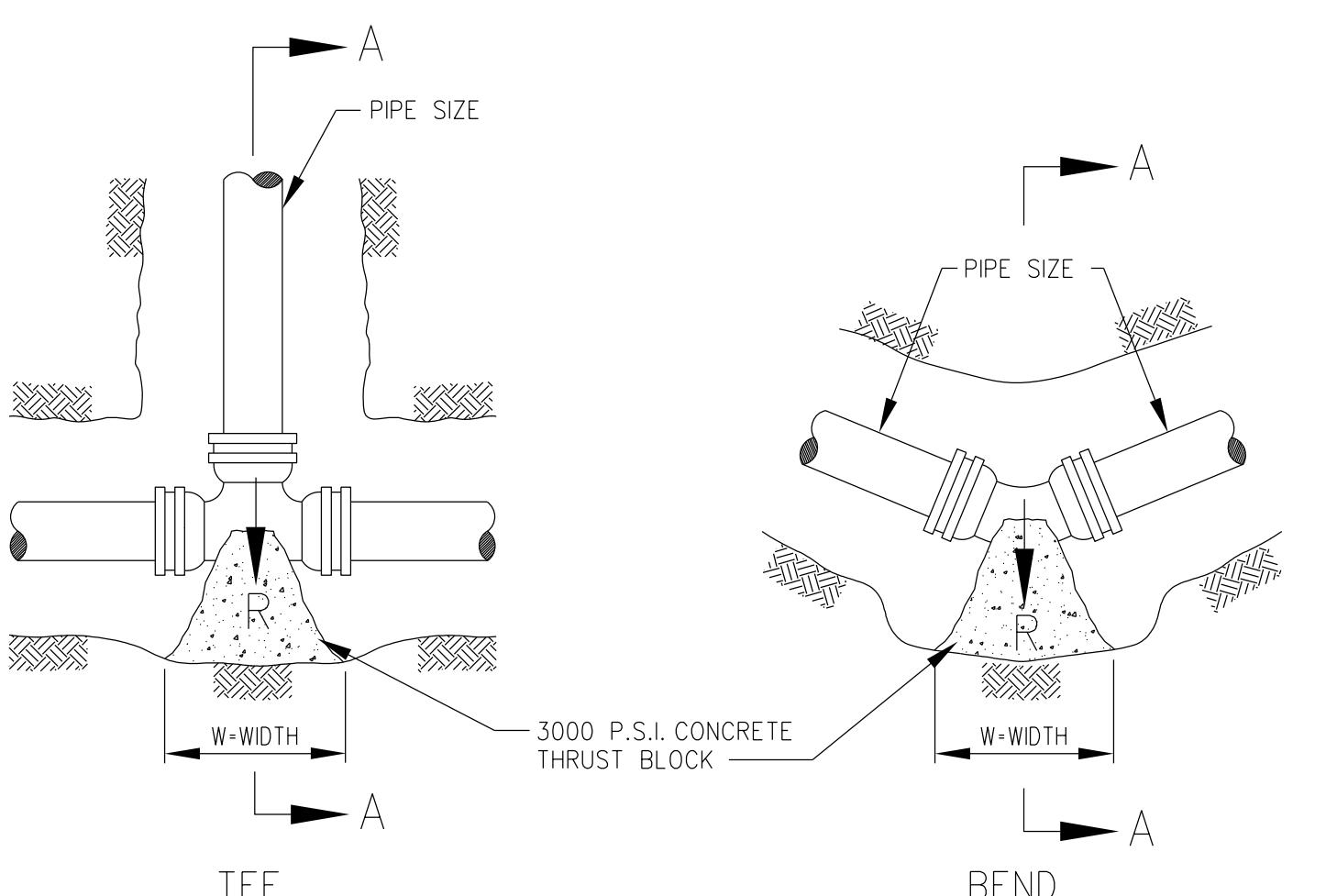
SHEET

C304



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ENGINEER, TO ALTER ANY ITEM IN ANY WAY IF
ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO
THE DOCUMENT THE WORDS "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND
THE DATE OF ALTERATION, AND A SPECIFIC
DESCRIPTION OF THE ALTERATION.

HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL CONQUIN DRIVE • LAKE PLACID, NY



NOTES:

1. FOR REQUIRED BEARING AREA AND DIMENSIONS D & W, SEE TABLE BELOW. VALUES OF D & W OTHER THAN THOSE SHOWN IN THE TABLE MAY BE USED PROVIDED THEY YIELD A BEARING AREA EQUAL TO OR LARGER THAN THAT REQUIRED.

2. CONCRETE NOT TO OVERLAP ANY JOINT.

3. CONCRETE TO BE PLACED SO AS NOT TO INTERFERE WITH REMOVING OR INSTALLING ANY OF THE JOINING HARDWARE.

4. APPROXIMATE VOLUME OF CONCRETE THRUST BLOCK:

$$V = WDX + DIA \times ID \times \frac{3}{81}$$

WHERE:

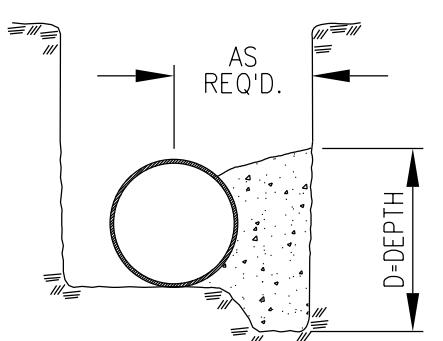
V = VOLUME IN CUBIC YARDS
W = WIDTH OF BLOCK IN FEET
D = DEPTH OF BLOCK IN FEET
DIA = PIPE DIAMETER IN FEET
X = "AS REQUIRED" DISTANCE IN FEET

STANDARD

ALTERNATE
(WHEN LIMITED BY LACK OF COVER)

SECTION A-A

TEE WITH PLUG/CAP



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.

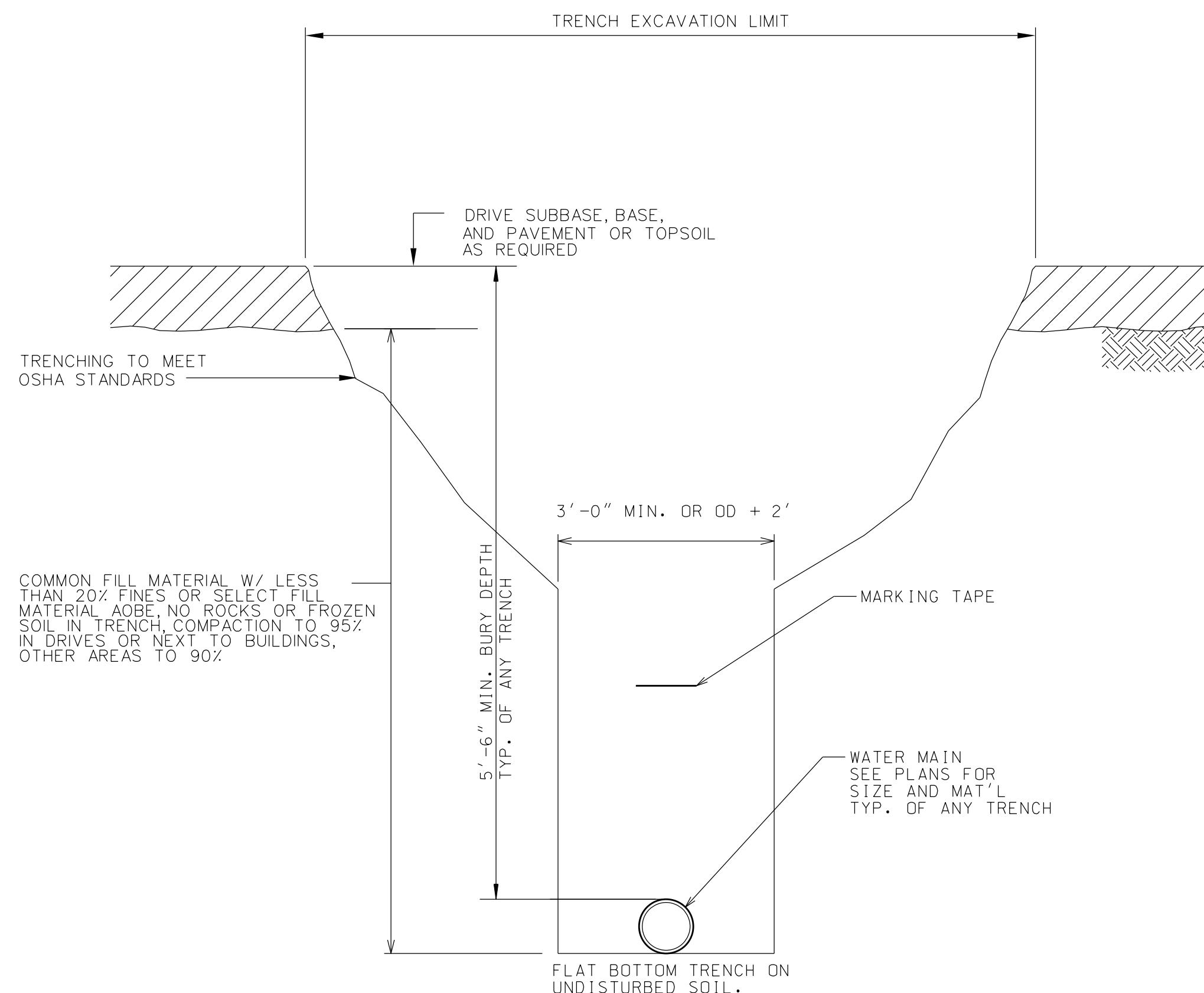
3. REQUIRED BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING CAPACITY OF 2000 LBS. PER SQUARE FOOTING FOR SAND, DUE TO OTHER SOIL CONDITIONS ENCOUNTERED, BEARING AREAS MAY BE MODIFIED BY THE ENGINEER BY MULTIPLYING THE AREA IN THE TABLE FOR THE APPROPRIATE PIPE SIZE AND FITTINGS BY THE CORRECTION FACTORS LISTED BELOW:

SOIL	ALLOWABLE SOIL PRESSURE (LBS./SQ.FT.)	CORRECTION FACTOR
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	11,310	16,000	8,650	4,410	2,220

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



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

WATER TRENCH SECTION

NTS

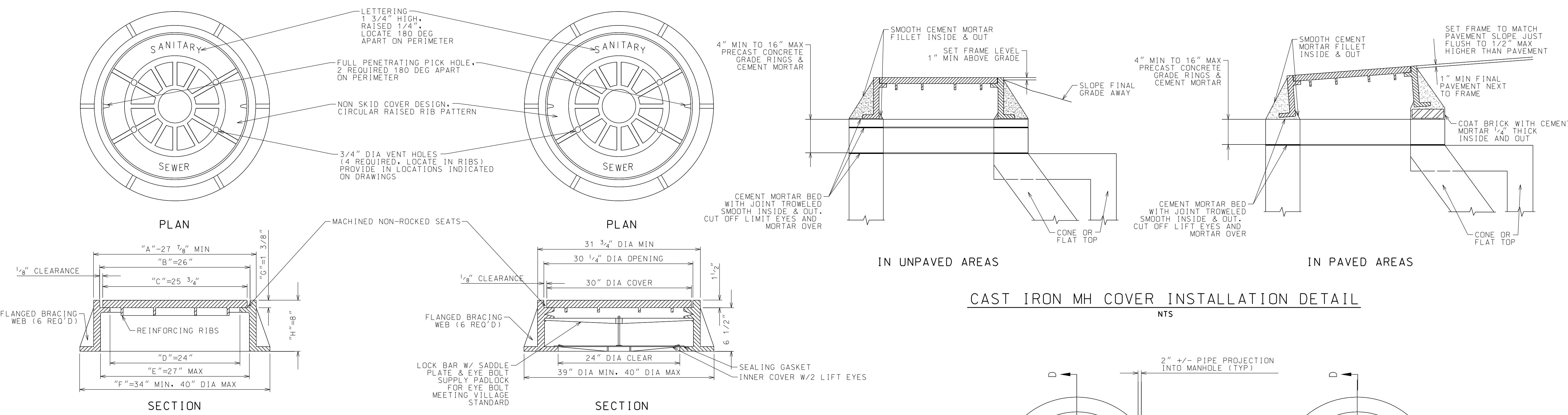
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LOCATION	LAKE PLACID, NY	
DATE ISSUED FOR	PERMITTING	REV
12/12/25		
DRAWN BY: RRG CHECKED BY: JAG PROJECT #: 25-073 ORIGINAL 24" x 36"		
TITLE		
WATER DETAILS		
SHEET	C305	



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

PROJECT NAME		
LOCATION	LAKE PLACID, NY	
DATE ISSUED FOR PERMITTING	12/12/25	
REV		
DRAWN BY: RRG		
CHECKED BY: JAG		
PROJECT #: 25-073		
ORIGINAL 24"x36"		
TITLE		
SEWER DETAILS		
SECTION C-306		

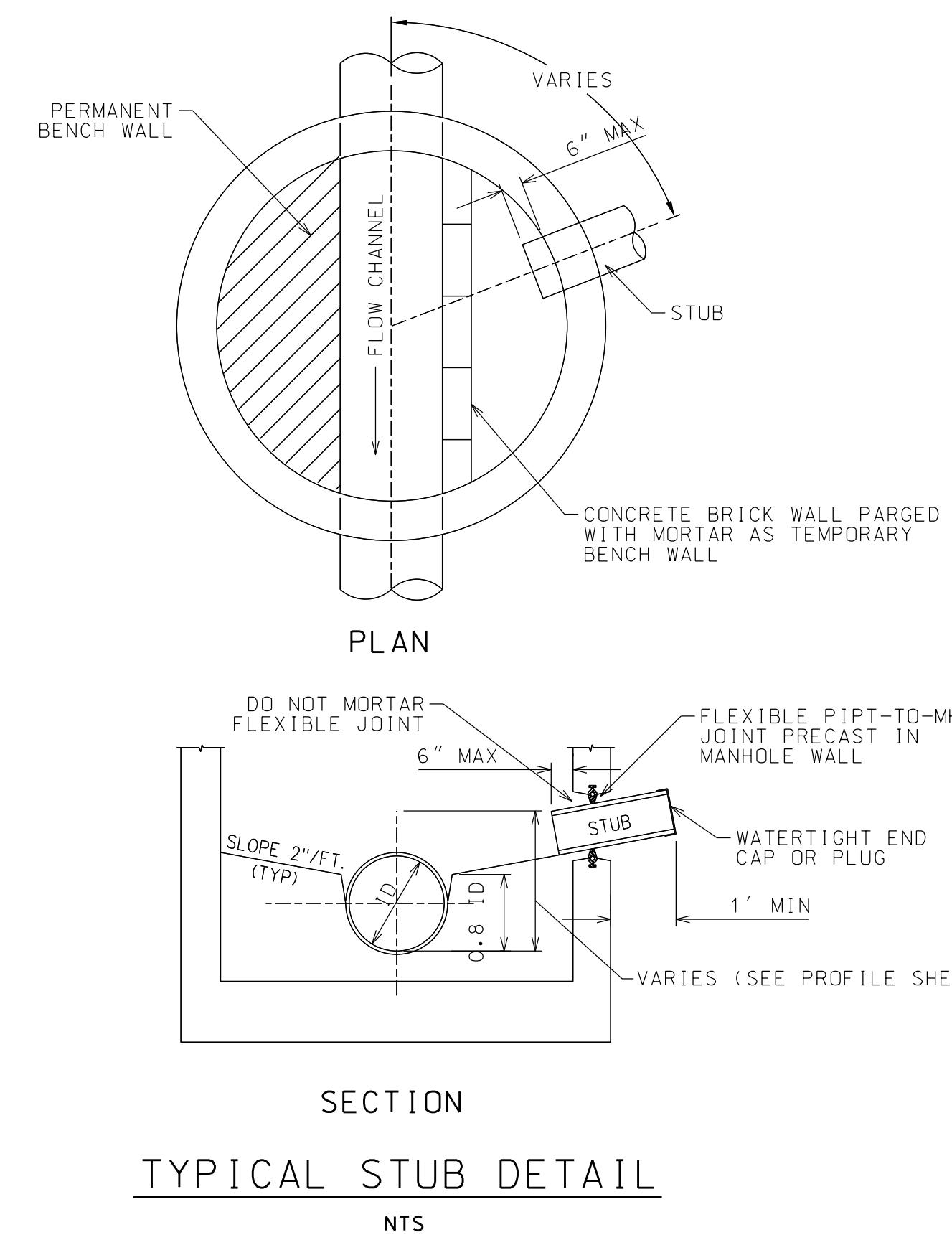


STANDARD CAST IRON MH COVER DETAIL

NTS

		ALL DIMENSIONS ARE IN INCHES						APPROX. WT. (LBS)		
MANUFACTURER	PATTERN NUMBER	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	COVER FRAME
CAMPBELL FOUNDRY	1009	27 1/8	26	25 3/4	27	34 1/2	1 3/8	8	160	220
EJ	2450	28	NS	26	24	NS	1 1/2	5	NS	NS
NEENAH FOUNDRY	1030	26 1/8	26	25 3/4	NS	34	1 3/8	7 7/8	138	245
US FOUNDRY	U4001-D	NS	NS	24	22	NS	1 3/8	8	NS	NS

NS - INFORMATION NOT SPECIFIED BY MANUFACTURER

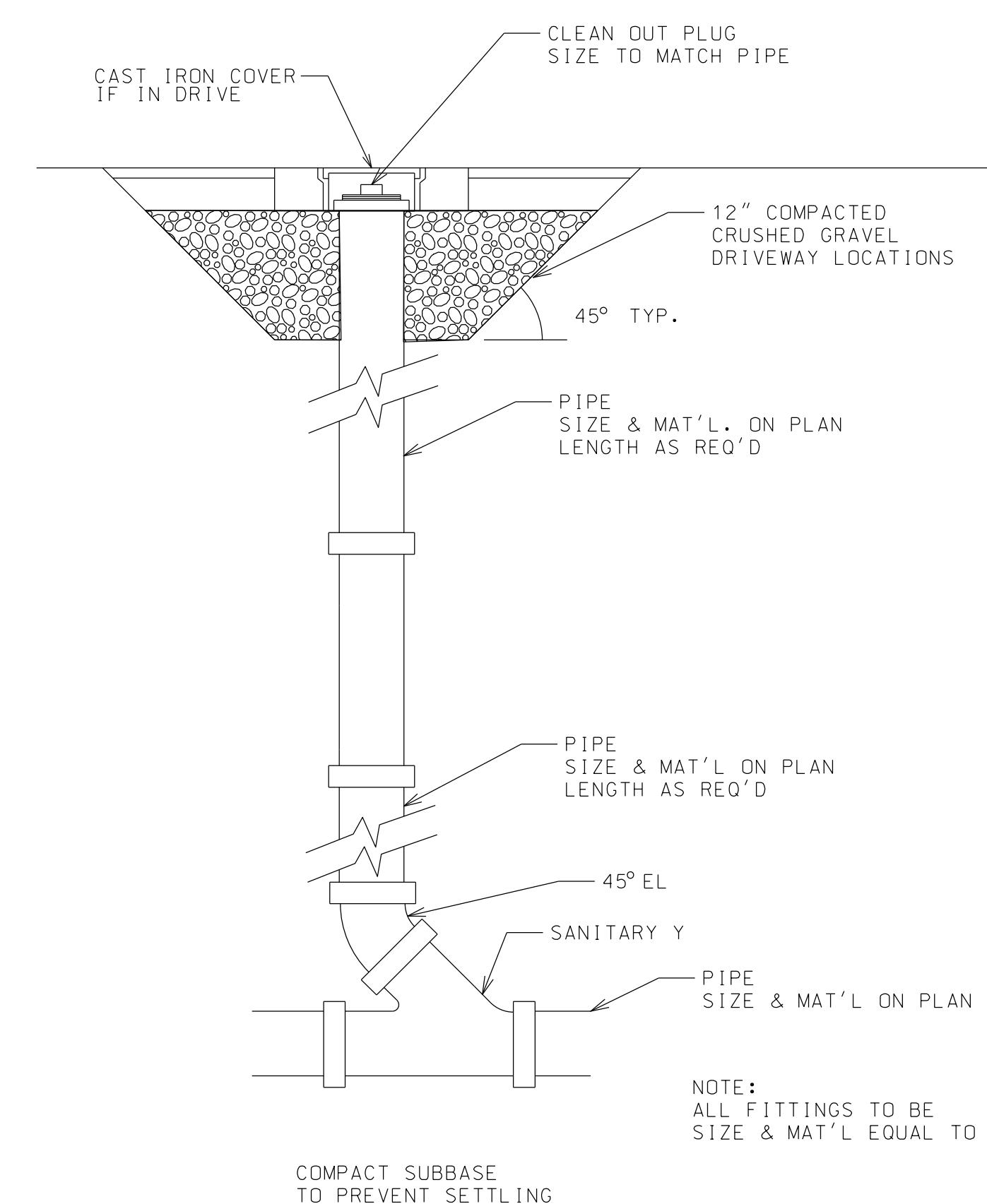


TYPICAL STUB DETAIL

NTS

WATERTIGHT CAST IRON MH COVER DETAIL

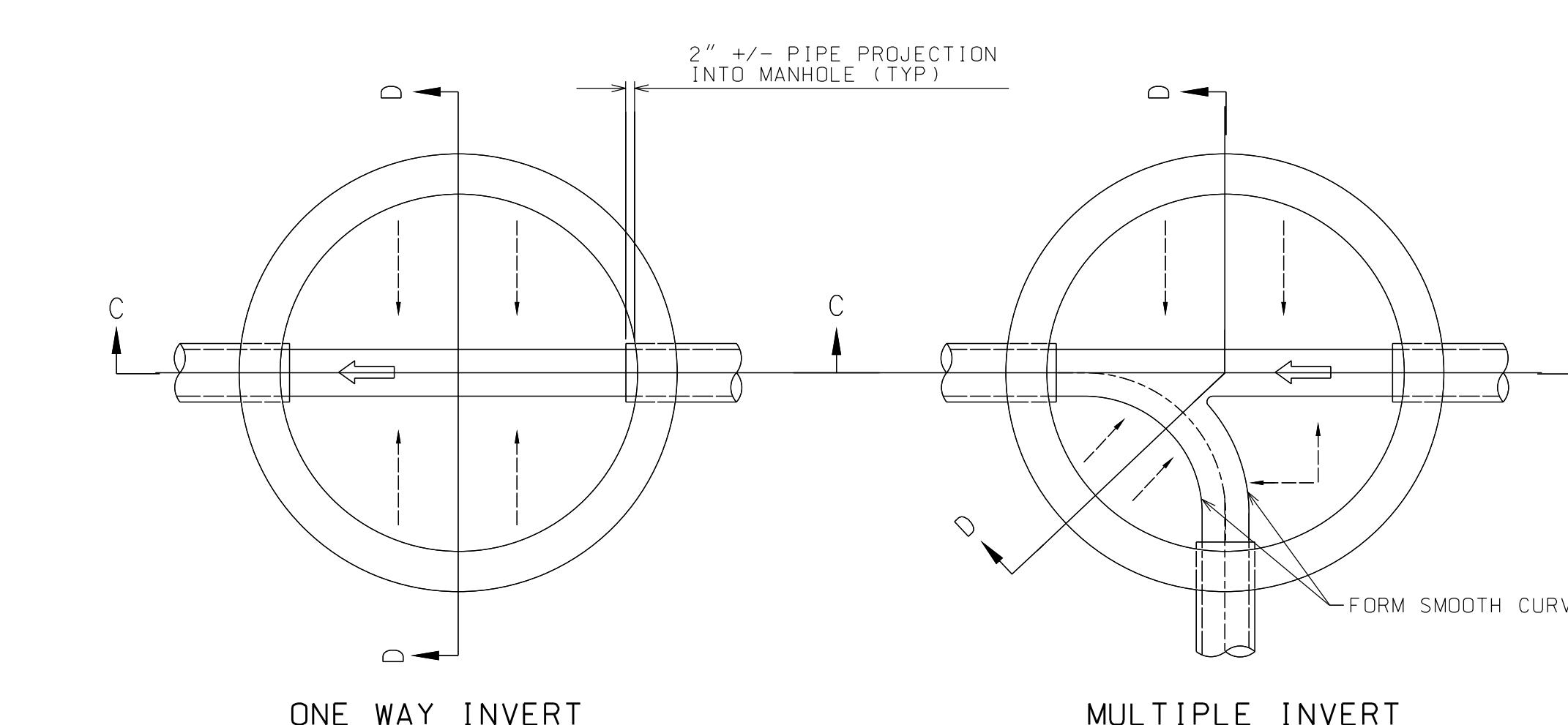
NTS (USE ONLY WHEN SPECIFIED)



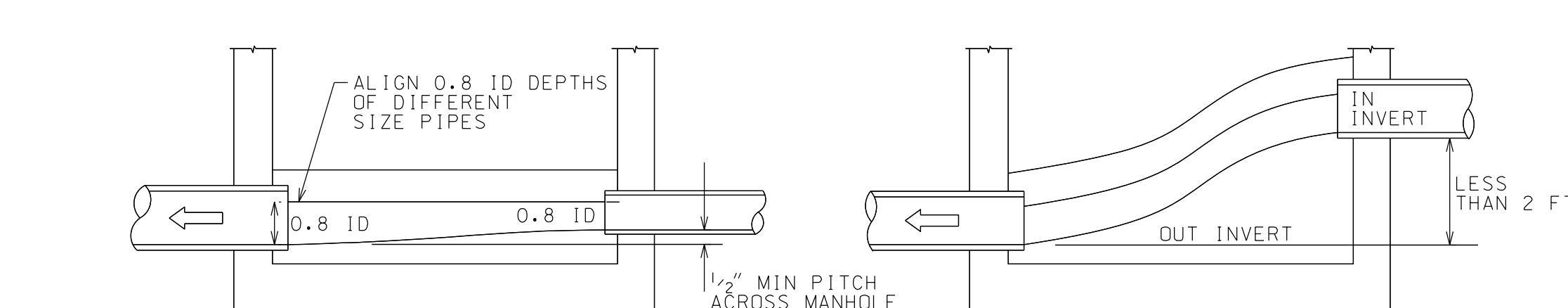
NOTE:
APPLY ON ACC SEWER LATERALS
WITHIN 10' OF HOUSE

CLEANOUT DETAIL

NTS



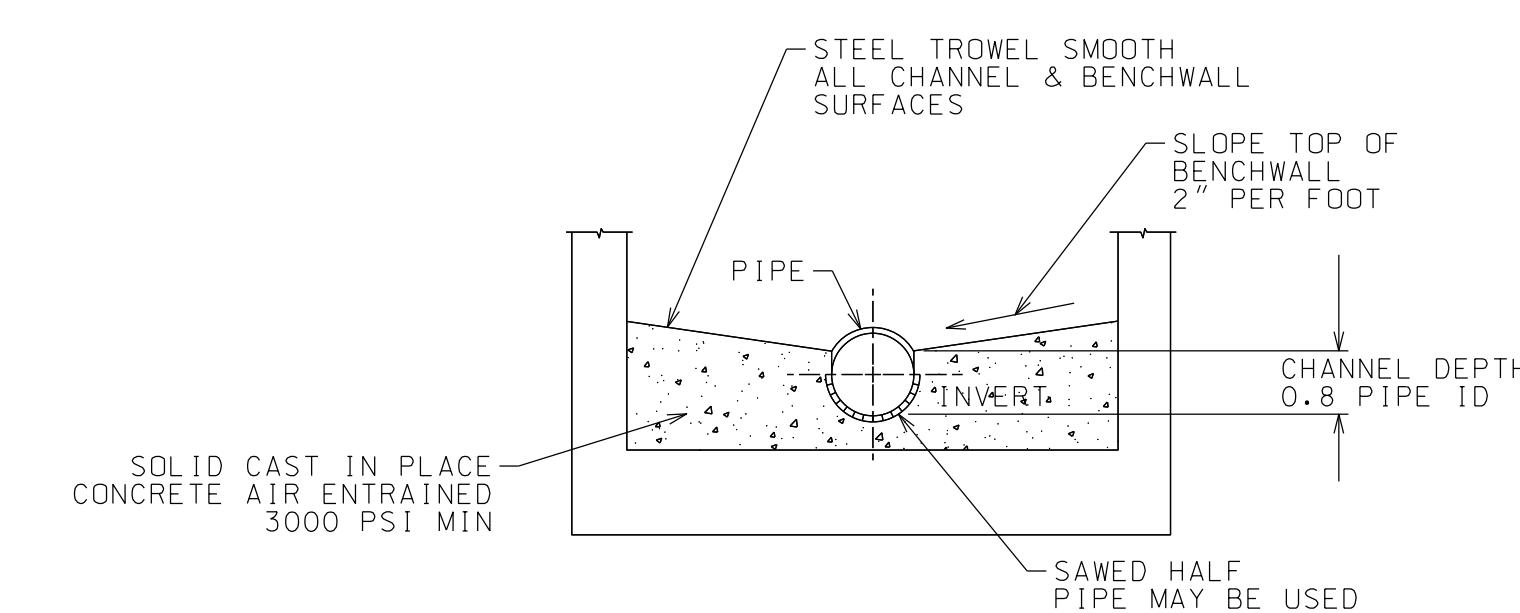
PLAN



STANDARD INVERT

SMOOTH DROP INVERT FILLET

SECTION C-C



SECTION D-D

INVERT, CHANNEL, & BENCHWALLS

NTS



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HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL CONQUIN DRIVE • LAKE PLACID, NY

PROJECT NAME

LOCATION

LAKE PLACID, NY

DATE ISSUED FOR REV

12/12/25 PERMITTING

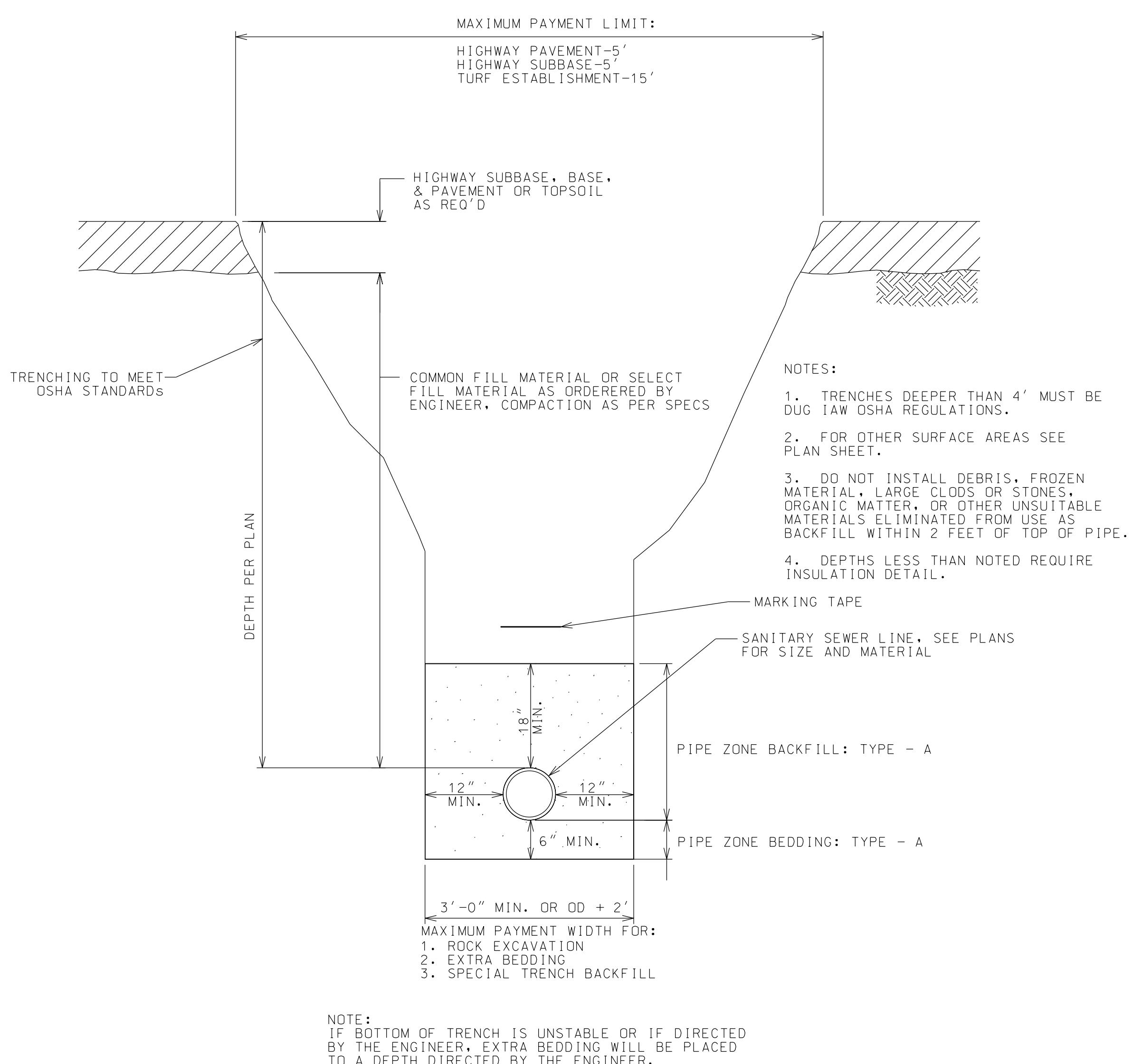
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CHECKED BY: JAG
PROJECT #: 25-073
ORIGINAL 24" x 36"

TITLE

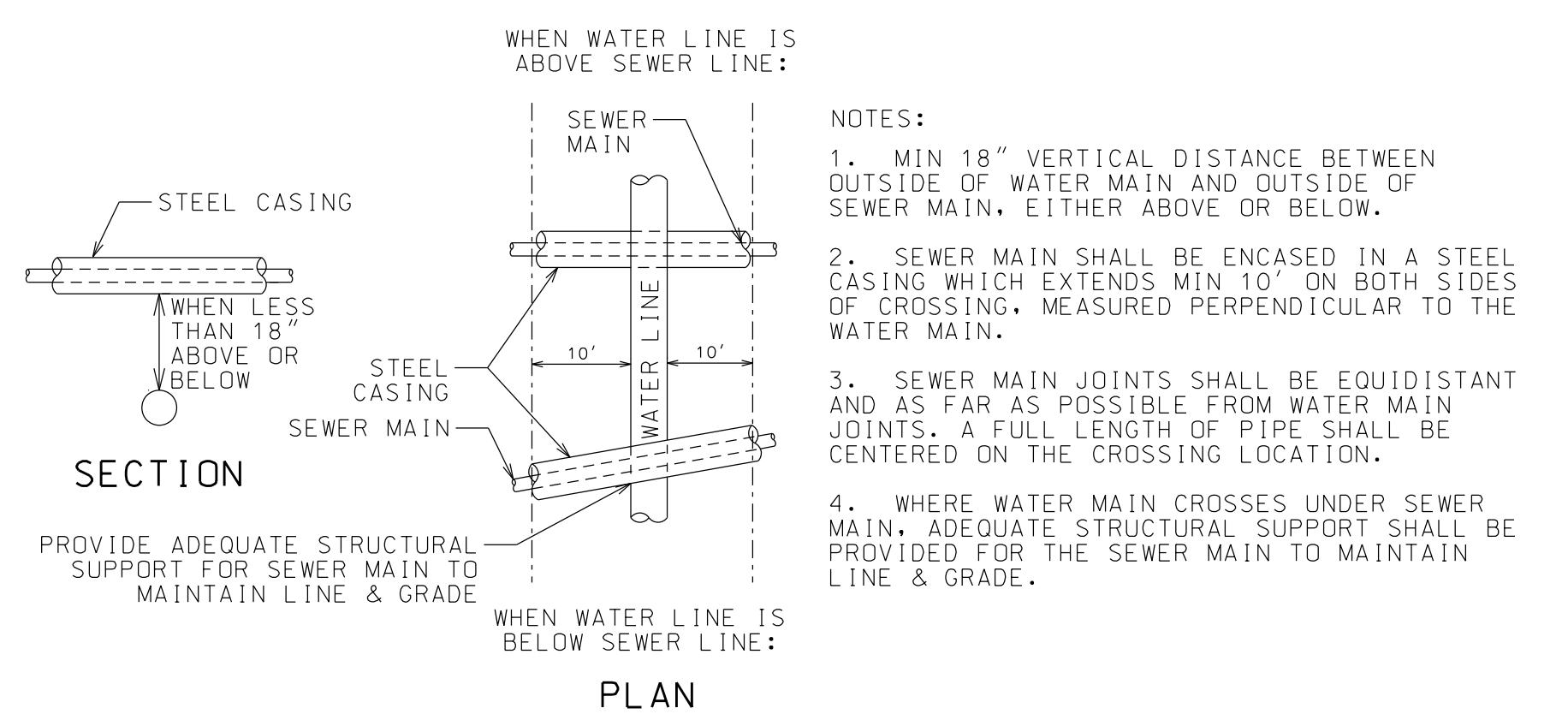
SEWER DETAILS

SHEET

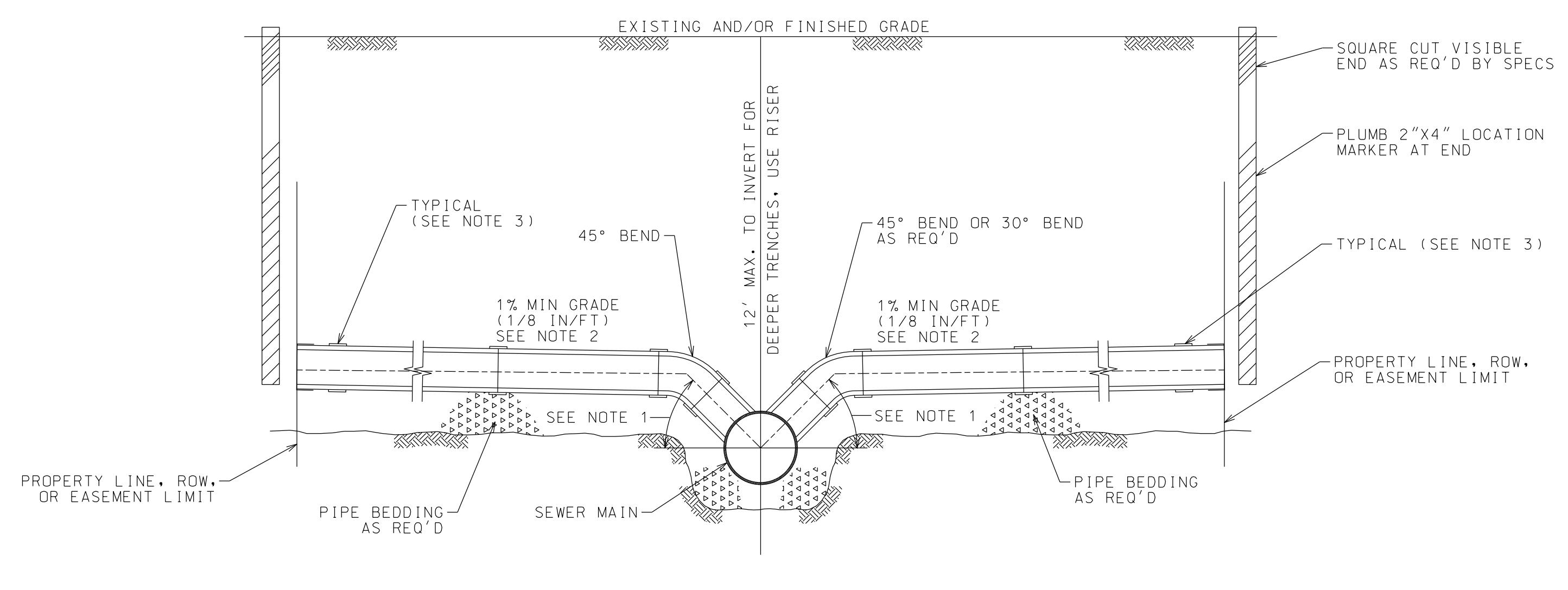
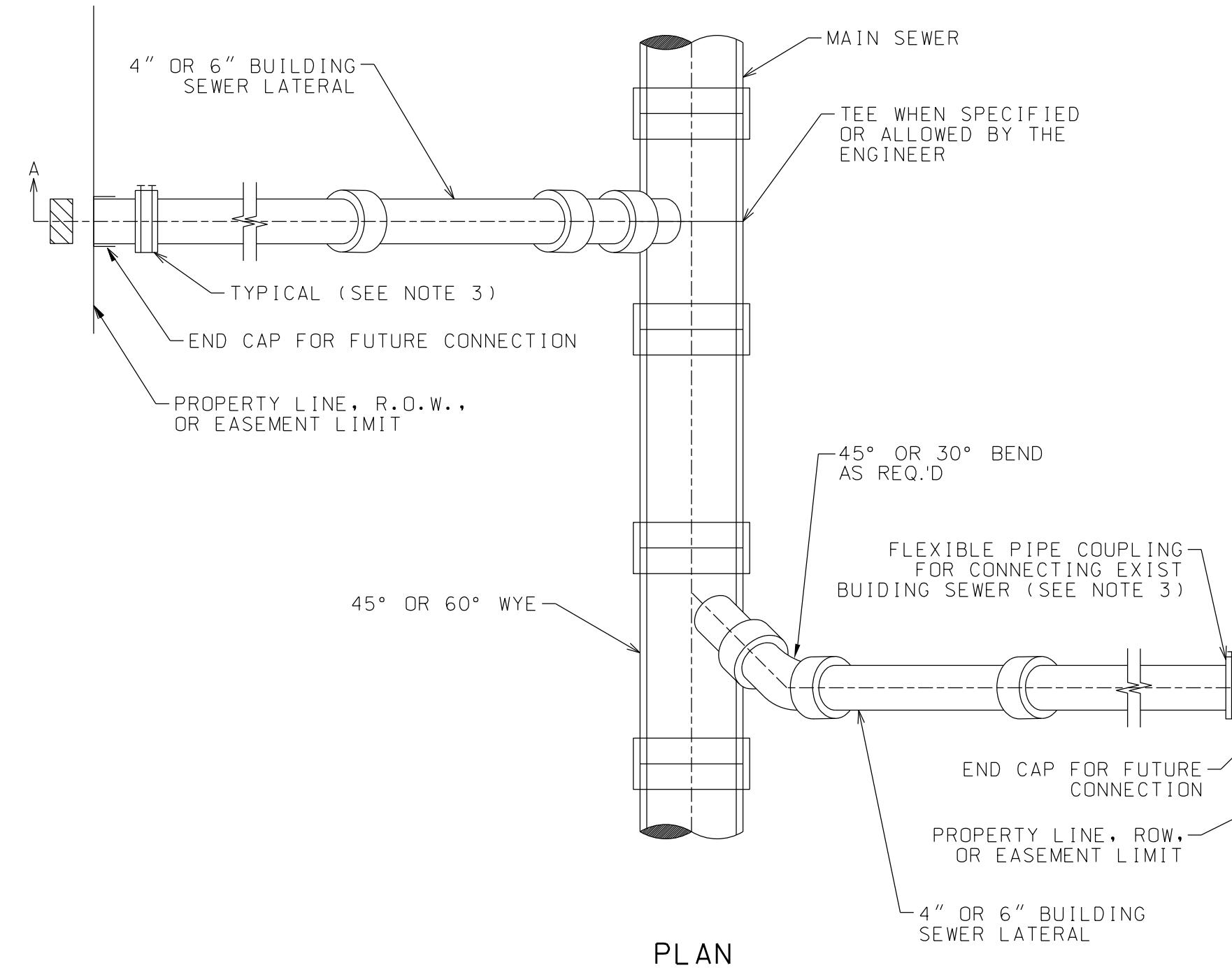
C307



SEWER TRENCH SECTION
NTS



WATER & SEWER LINE CROSSING DETAIL
NTS



NOTES:
1. OPTIMUM ANGLE TO BE 45°. THE ENGINEER MAY REQUIRE OTHER ANGLES TO SUIT JOB CONDITIONS.
2. LATERALS INSTALLED AT GREATER THAN MINIMUM GRADE WILL BE THE INSTALLER'S RESPONSIBILITY TO LOWER IN THE EVENT THAT THE LATERAL IS TOO HIGH FOR THE OWNERS USE. IF EXISTING UTILITIES PREVENT INSTALLATION, AT MINIMUM GRADE, THE ENGINEER SHALL BE CONSULTED AT THE TIME OF INSTALLATION.
3. FLEXIBLE PIPE COUPLINGS SHALL BE FERNO NO. 1056 SERIES OR APPROVED EQUAL TO PERMIT THE COUPLING OF TWO DIFFERENT TYPES OF PIPE WITH DIFFERENT OR SAME OUTSIDE DIAMETERS.

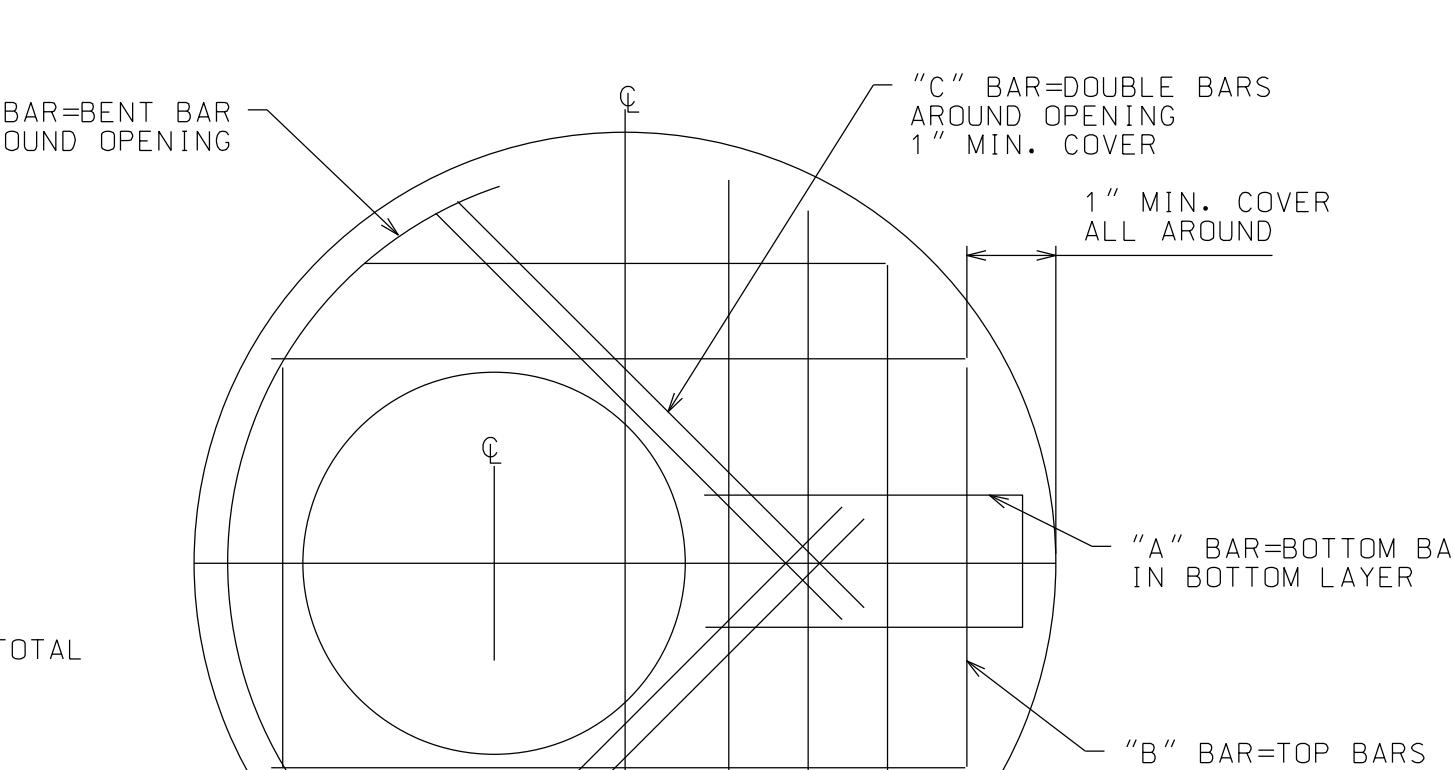
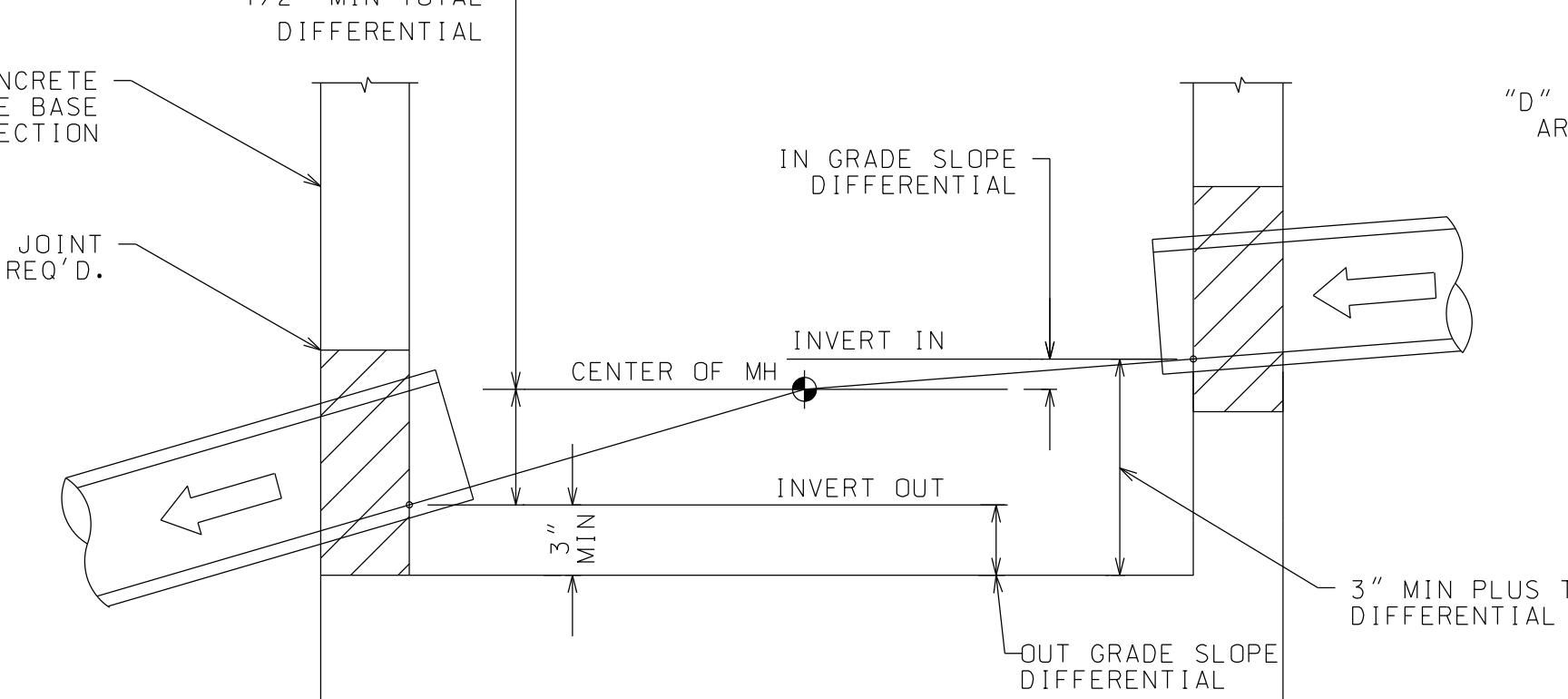
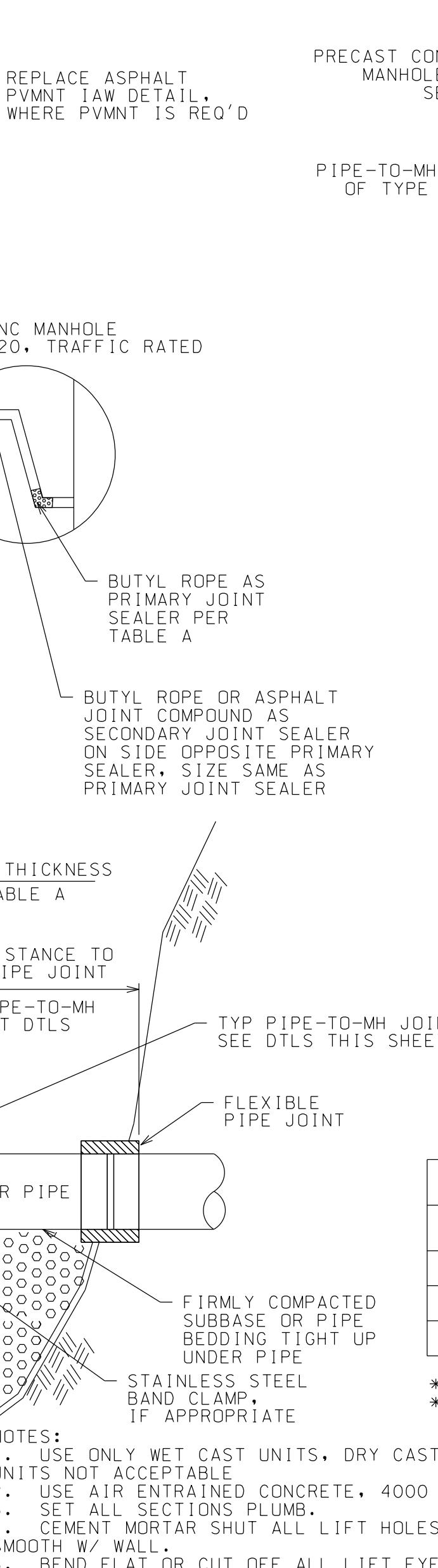
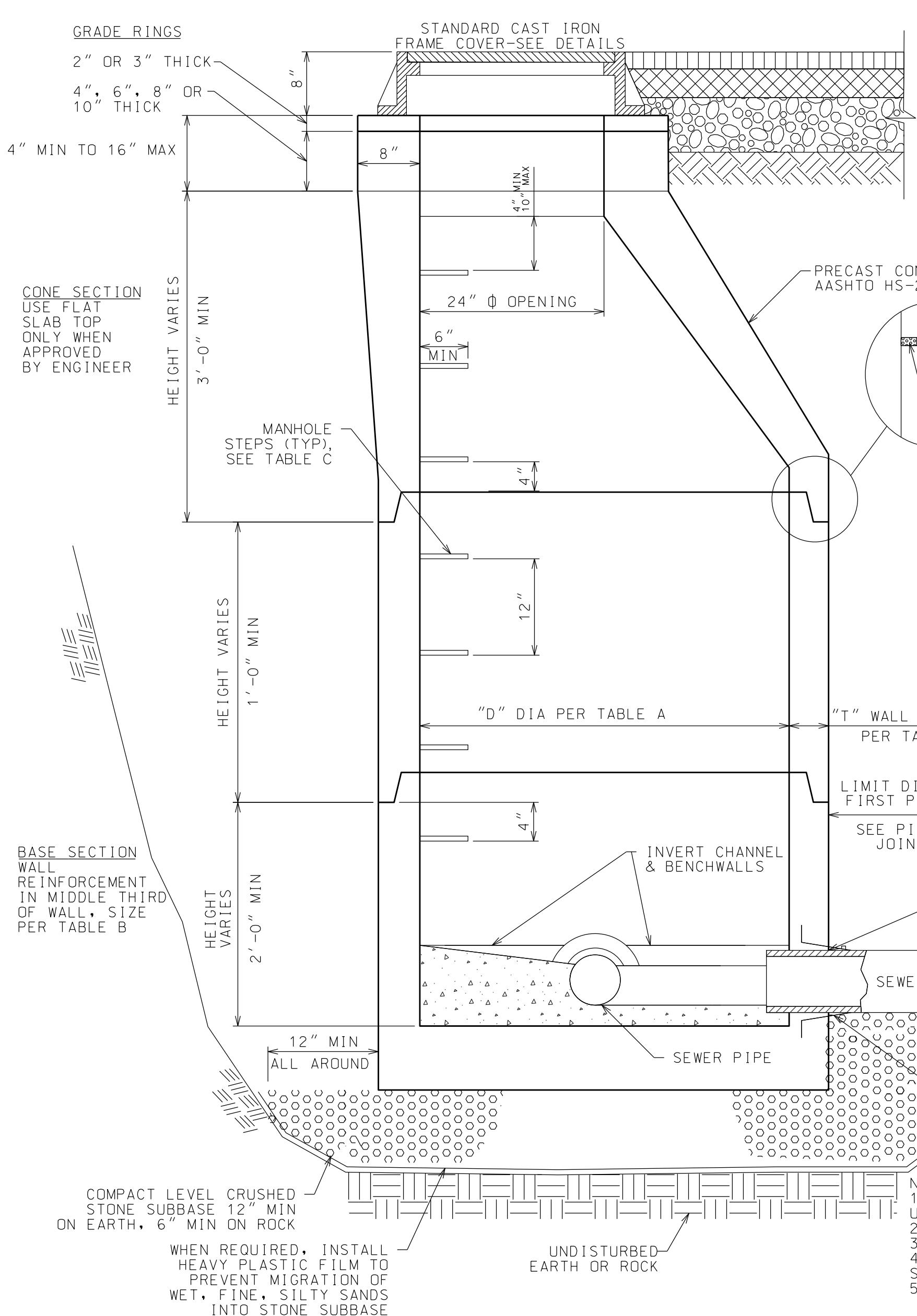
LATERAL TO SEWER DETAIL
NTS

SHEET

C307



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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

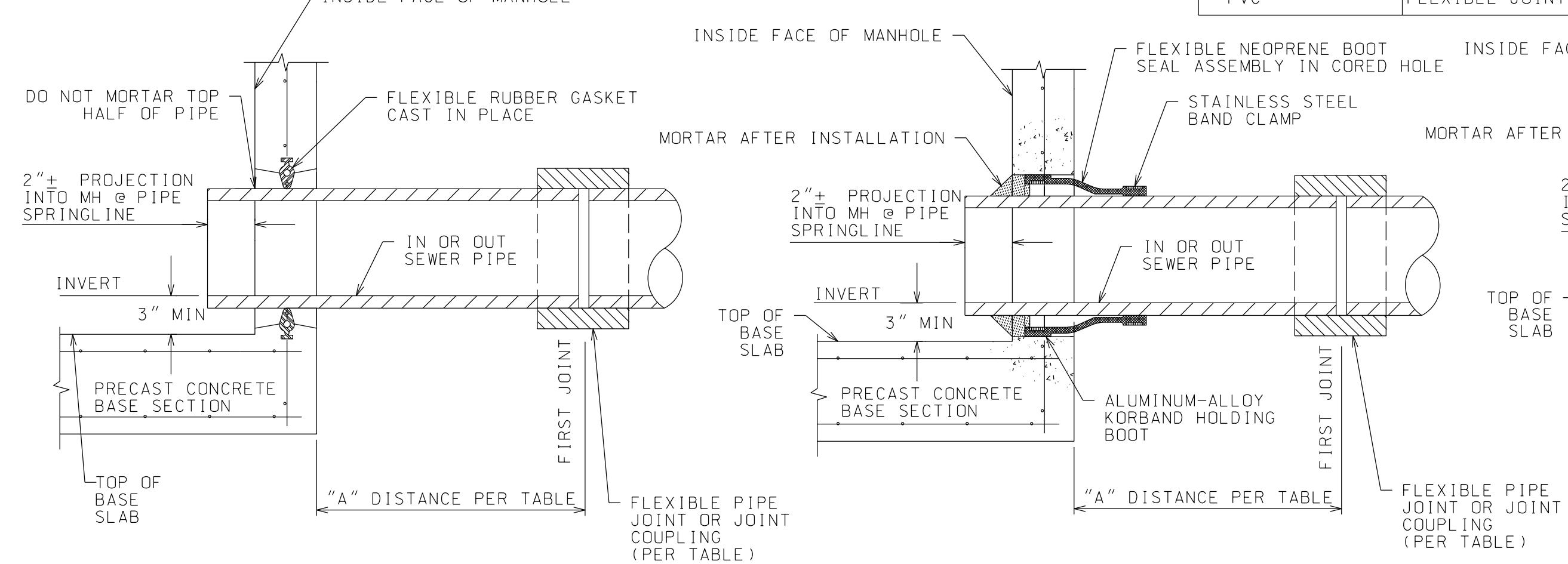
ACCEPTABLE MANHOLE STEPS *		
MANUFACTURER	GROUTED IN POCKET STEPS ** PATTERN NO.	CAST IN PLACE STEPS ** PATTERN NO.
AMERICAN STEP	ML-13-NCR	
LANE	P-14850	
MA INDUSTRIES	PS2-PF	PS2-PF

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

NOTES:
1. USE ONLY WET CAST UNITS. DRY CAST
UNITS NOT ACCEPTABLE.
2. USE AIR ENTRAINED CONCRETE, 4000 PSI
3. SET ALL SECTIONS PLUMB.
4. CEMENT MORTAR SHUT ALL LIFT HOLES
SMOOTH W/ WALL.
5. BEND FLAT OR CUT OFF ALL LIFT EYES

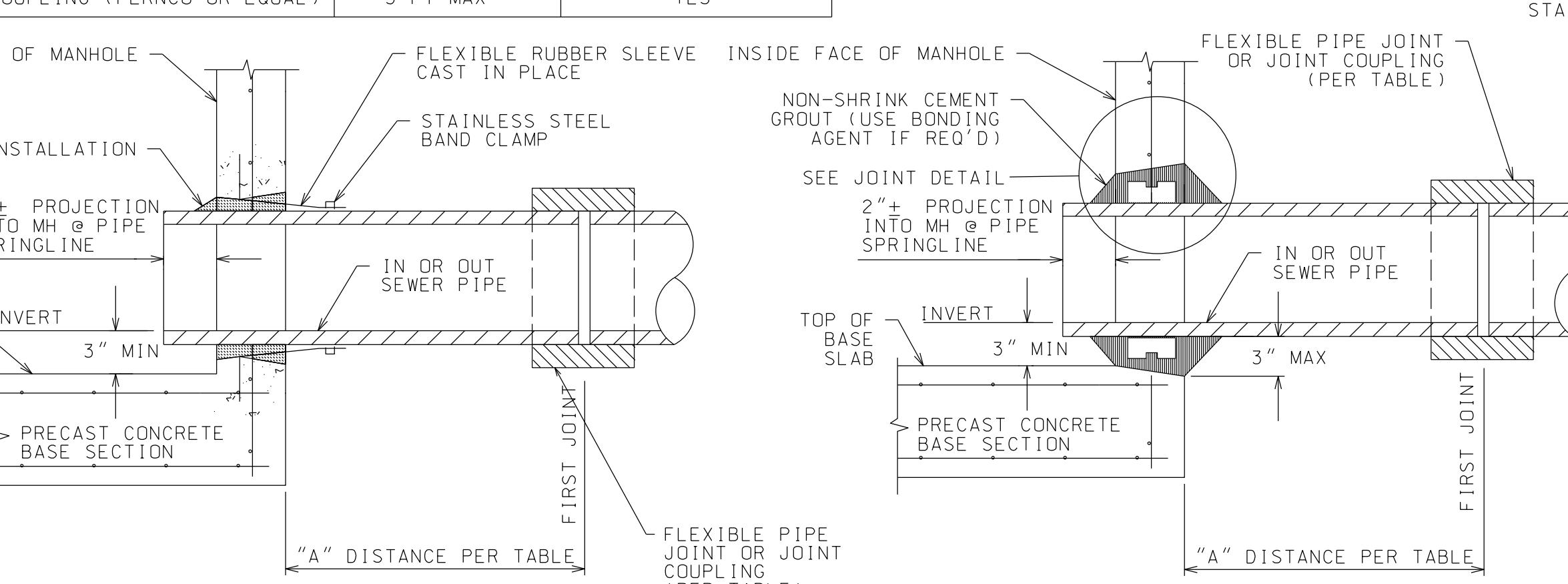
PRECAST CONCRETE MANHOLE
NTS

SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	"A" DISTANCE (FT)	MH WATERSTOP REQ'D
DUCTILE IRON	STANDARD RUBBER GASKET PIPE JOINT ONLY	9 FT MAX	YES
PVC	FLEXIBLE JOINT COUPLING (FERNCO OR EQUAL)	3 FT MAX	YES



FLEXIBLE PIPE TO MH JOINT DETAIL

NTS



CEMENT GROUTED SEAL PIPE-TO-MH DETAIL

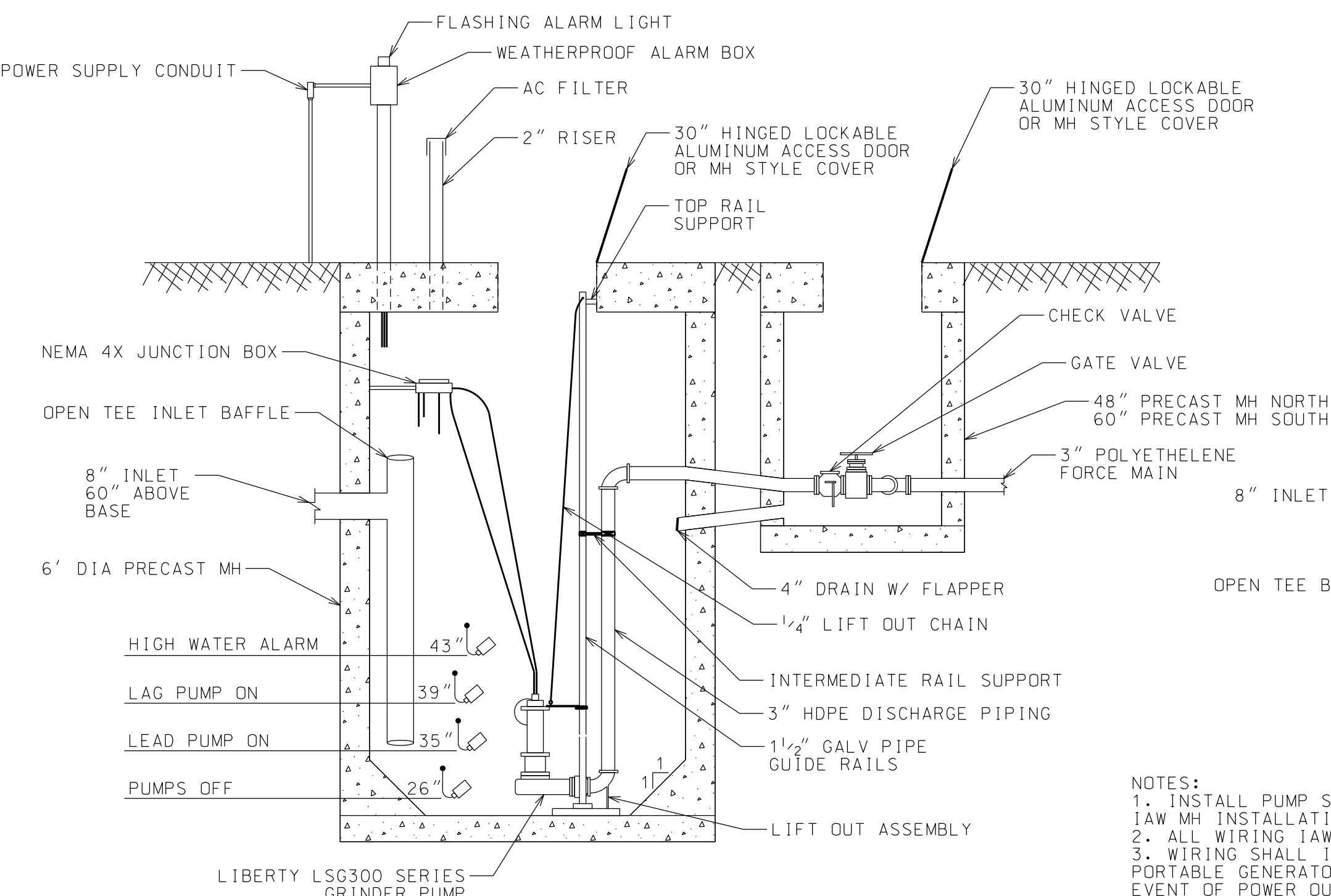
NTS

PROJECT NAME			
LOCATION	LAKE PLACID, NY		
DATE ISSUED FOR PERMITTING	12/12/25		
REV			
SEE JOINT DETAIL			
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			
DRAWN BY: RRG			
CHECKED BY: JAG			
PROJECT #: 25-073			
ORIGINAL 24"x36"			
TITLE			
SEWER DETAILS			
SHEET			
C308			

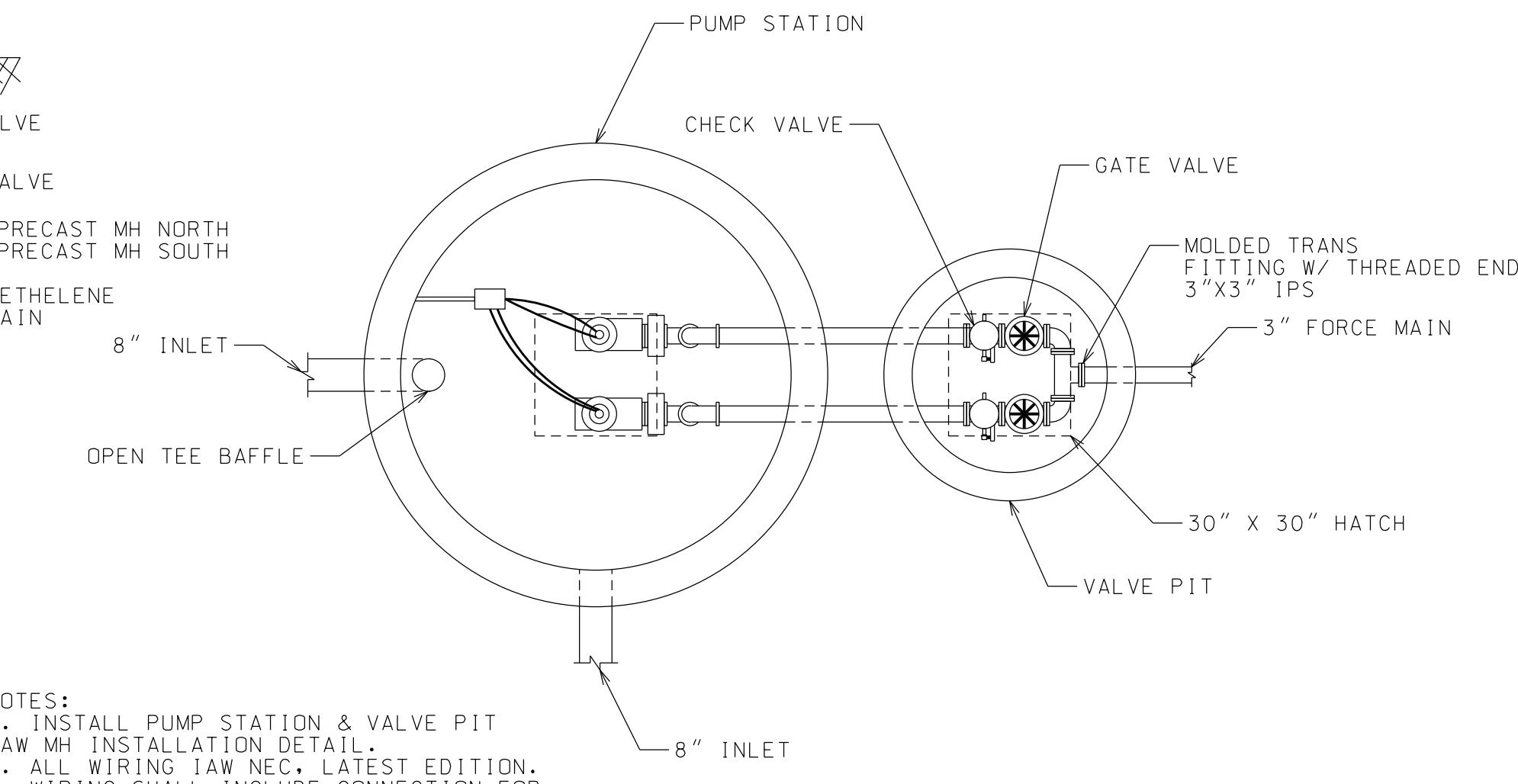


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HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL CONQUIN DRIVE • LAKE PLACID, NY



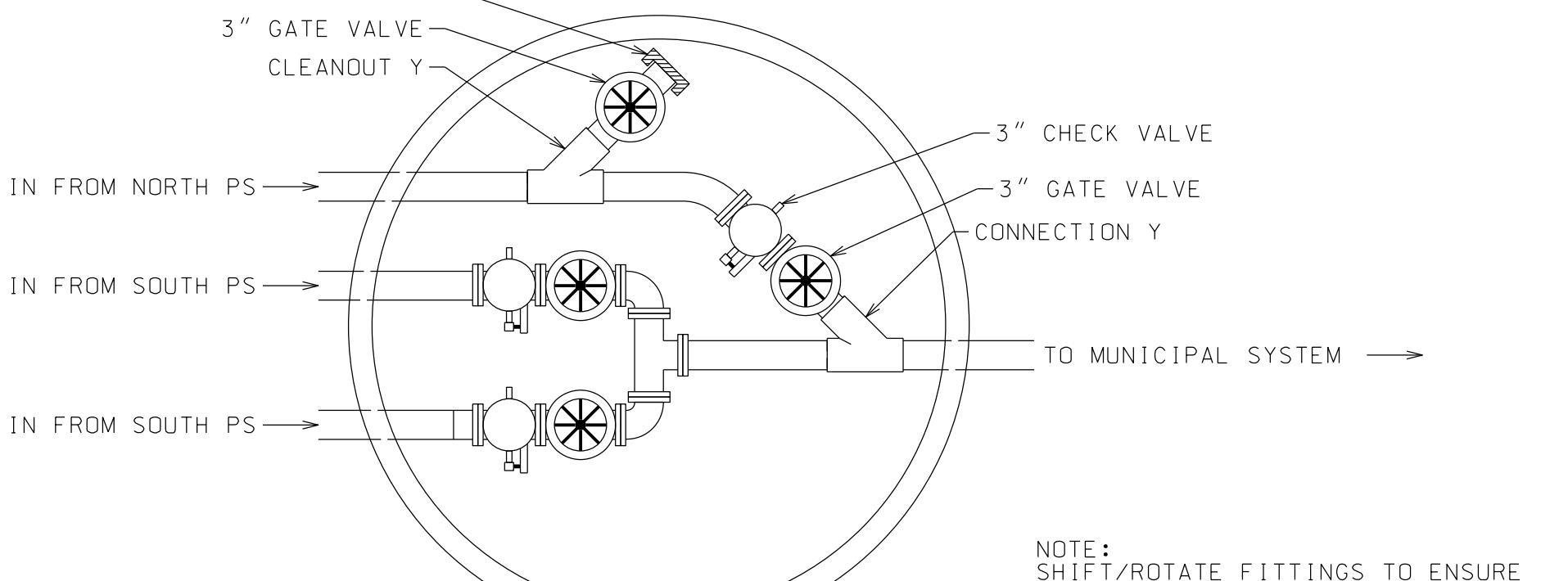
SECTION



PLAN

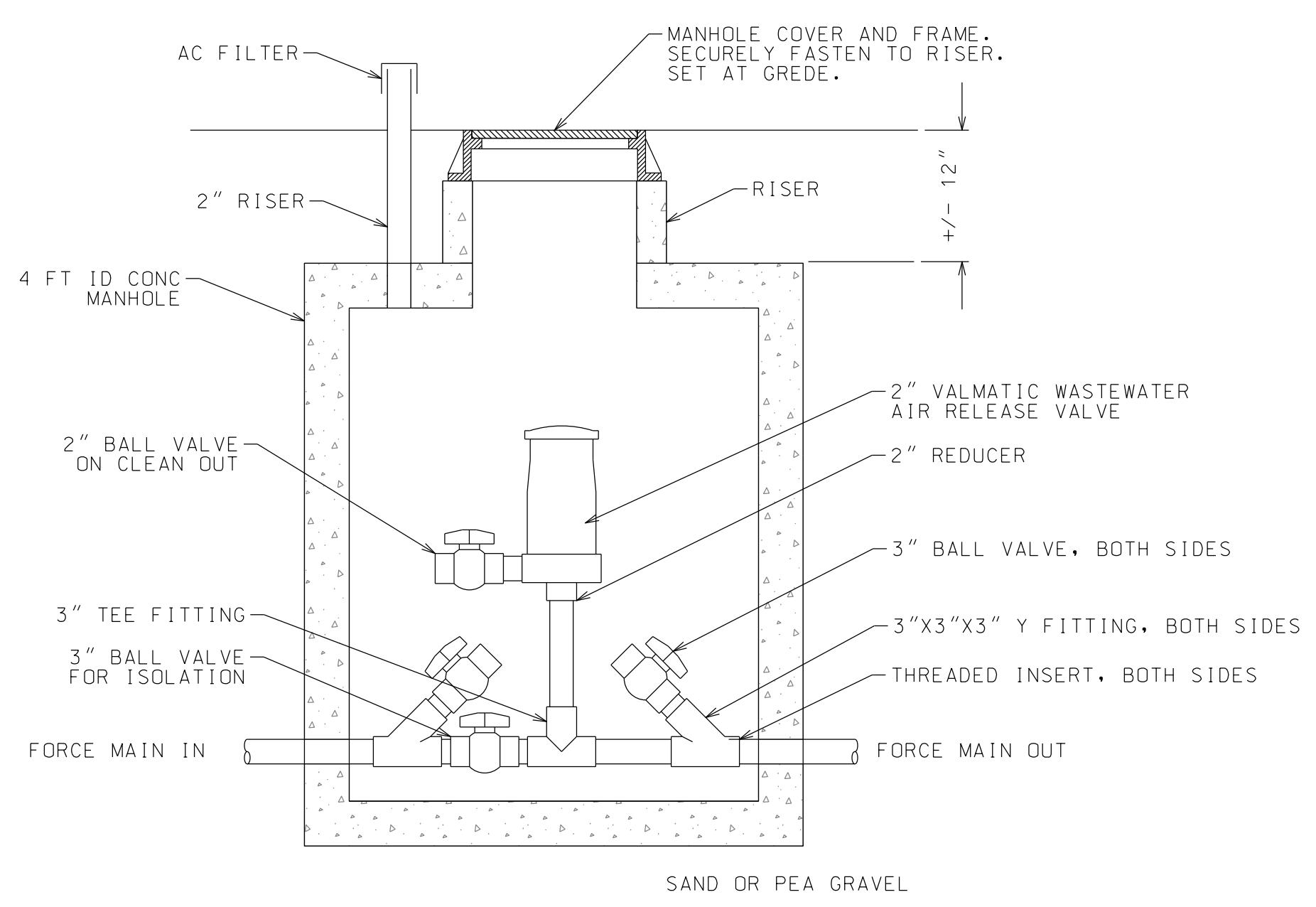
PUMP STATION DETAIL

NTS



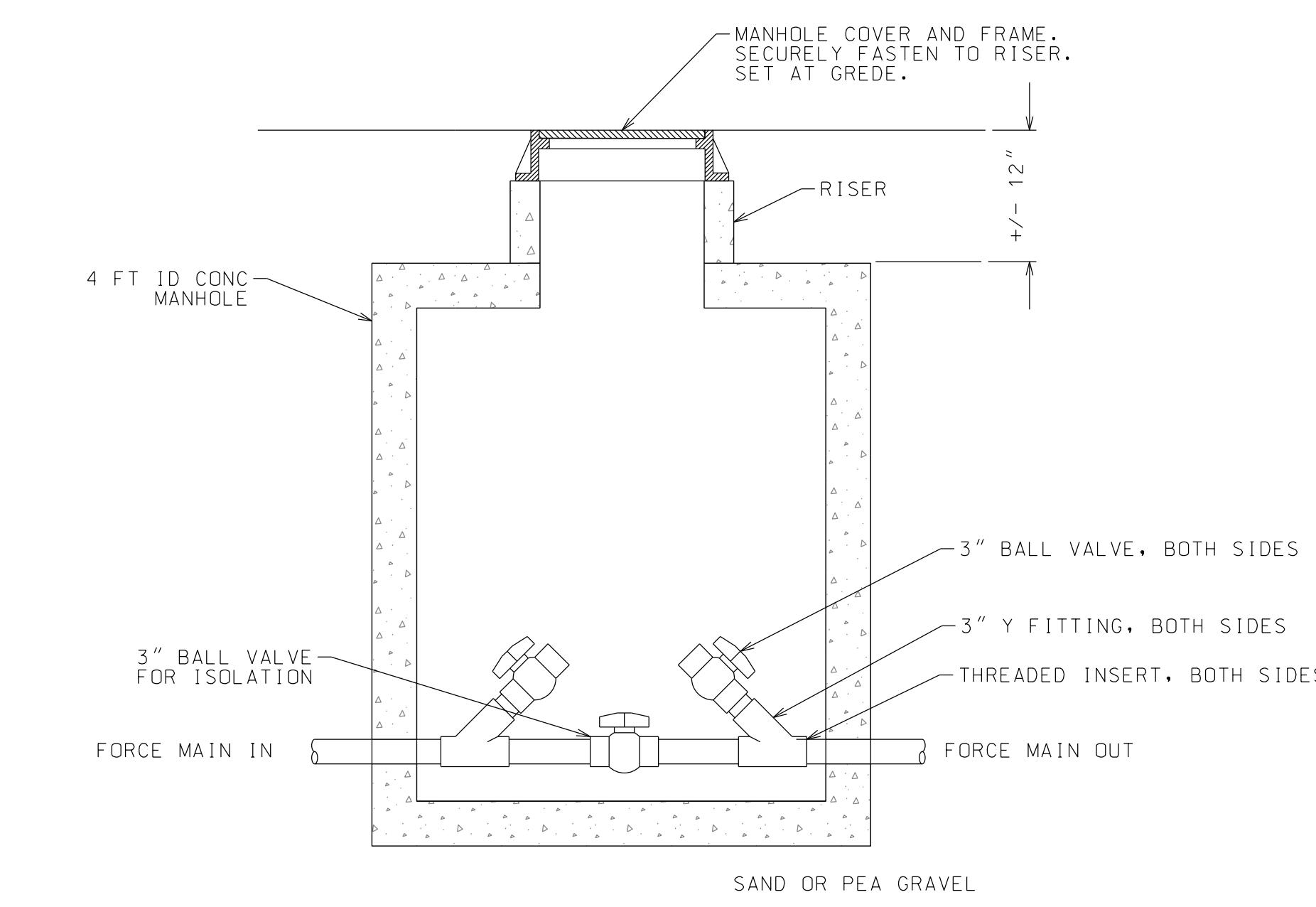
SOUTHERN PS VALVE PIT & FM CONNECTION DETAIL

NTS



AIR RELEASE STRUCTURE

NTS



CLEANOUT STRUCTURE

NTS

PROJECT NAME			
LOCATION	LAKE PLACID, NY		
DATE ISSUED FOR	PERMITTING	REV	
12/12/25			
DRAWN BY: RRG			
CHECKED BY: JAG			
PROJECT #: 25-073			
ORIGINAL 24"x36"			
TITLE			
SEWER DETAILS			
SHEET			
C309			



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GENERAL TRAFFIC CONTROL NOTES

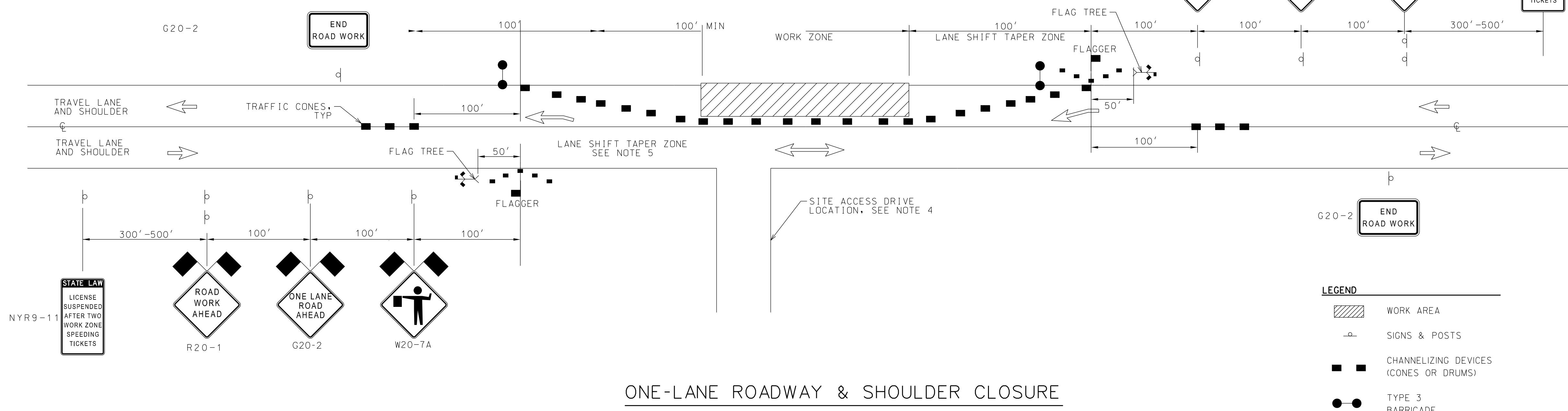
- THE TYPICAL DETAILS ON THIS SHEET AND THE REQUIREMENTS OF THE NYS MUTCD ARE MINIMUM REQUIREMENTS.
- A FLAGGER SHALL BE PROVIDED IN THE AREAS INDICATED WHENEVER A LANE IS CLOSED.
- ALL OPEN EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
- THE CONTRACTOR SHALL USE MOVEABLE SIGNS AND RELOCATE THEM TO EACH WORK AREA.
- DURING ALL CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAINTAIN ACCESS TO EACH ADJACENT SITE.
- 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.
- DISTANCES SHALL BE ADAPTED TO PREVAILING CONDITIONS.
- 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.
- WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, TRAVEL LANE SHALL ALSO BE CLOSED.
- CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
- 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.
- SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- 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.
- 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.
- 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.
- NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN THE BUFFER SPACE.
- FLAGGER SIGN (W20-7c) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
- ALL FLAGGERS SHALL USE 24" (MIN) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF.
- THE END OF ROAD WORK SIGN SHALL BE PLACED A MAX OF 500' PAST THE END OF THE WORK SPACE.
- 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 NON-WORKING HOURS, CONSTRUCTION EQUIPMENT AND MATERIAL SHALL NOT BE STORED WITHIN 30 FEET OF THE EDGE OF PAVEMENT.
- INTERSECTING VILLAGE & PRIVATE STREETS BETWEEN FLAGGERS MAY BE CLOSED DURING WORKING HOURS.
- 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.
- 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

- 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.
- 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.
- 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.
- 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.
- SIGN LOCATION LETTERING AND BORDERS - SIGN LETTERING, BORDERS, AND MARGINS SHALL BE IN ACCORDANCE WITH THE MUTCD.
- 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.

HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL CONQUIN DRIVE • LAKE PLACID, NY

PROJECT NAME		
LOCATION	LAKE PLACID, NY	
DATE ISSUED FOR	PERMITTING	REV
12/12/25		
DRAWN BY: RRG		
CHECKED BY: JAG		
PROJECT #: 25-073		
ORIGINAL 24"x36"		
TITLE		
TRAFFIC CONTROL LANE CLOSURE PLAN		
SHEET		
C310		



ONE-LANE ROADWAY & SHOULDER CLOSURE

NTS

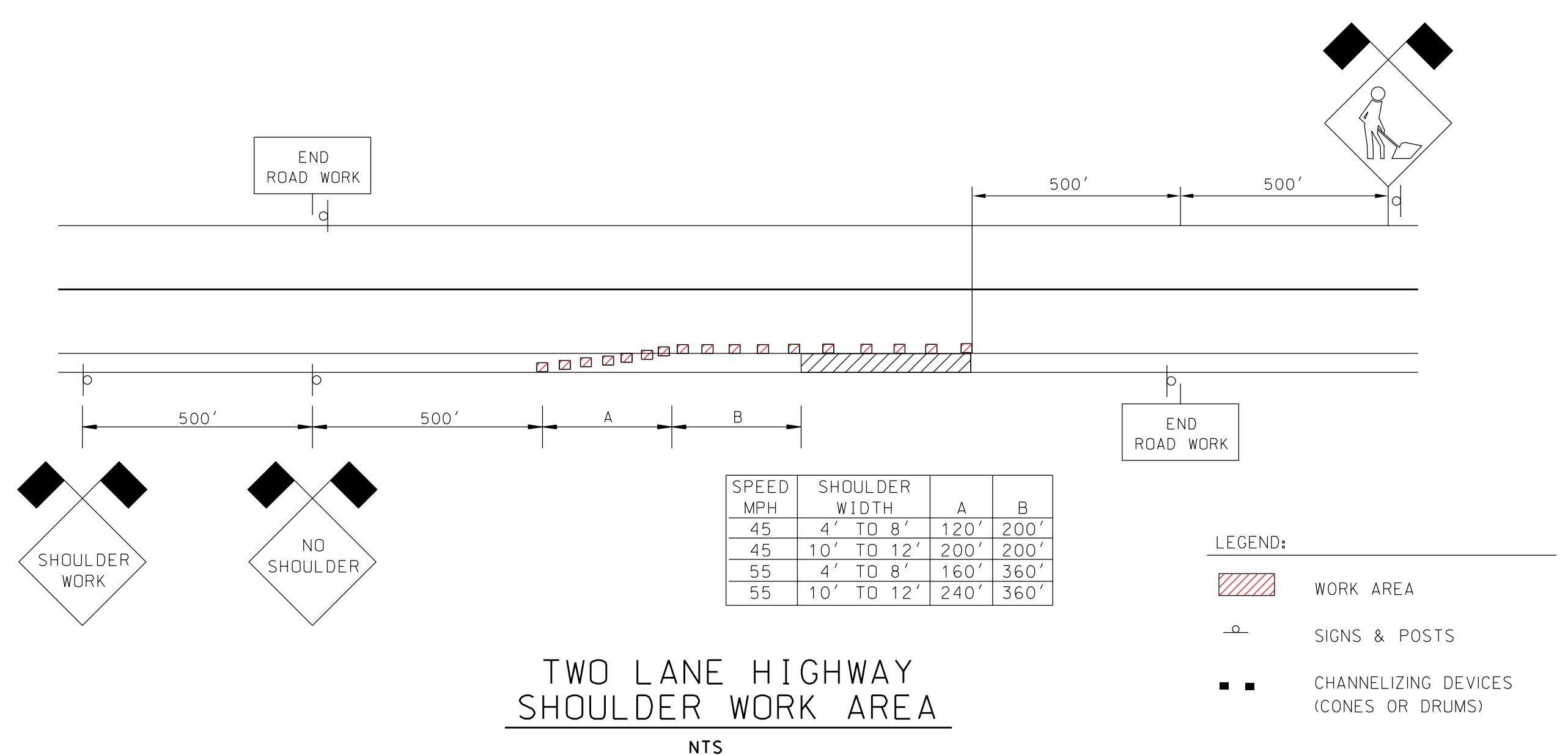


WARNING: IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON UNLESS ACTING UNDER THE AUTHORITY OF A LICENSED PROFESSIONAL ENGINEER TO ALTER ANY ITEM IN ANY WAY. IF ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THE NOTE "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF ALTERATION,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

HOMESTEAD DEVELOPMENT CORP
FOX HILL
AL CONQUIN DRIVE • LAKE PLACID, NY

TRAFFIC NOTES

1. WHENEVER A LANE IS CLOSED, A FLAGGER SHALL BE PROVIDED IN THE AREAS INDICATED.
2. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.
3. THE CONTRACTOR SHALL USE MOVEABLE SIGNS AND RELOCATE THEM TO EACH WORK AREA.
4. 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.
5. ACTUAL FIELD CONDITIONS MAY REQUIRE OTHER SIGNS AND OTHER ARRANGEMENTS OF SIGNS.
6. DISTANCES SHALL BE ADAPTED TO PREVAILING CONDITIONS.
7. 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.
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. DURING NON-WORKING HOURS, CONSTRUCTION EQUIPMENT AND MATERIAL SHALL NOT BE STORED WITHIN 30 FEET OF THE EDGE OF PAVEMENT.
12. 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.
13. 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.



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