

TOWN OF ORRINGTON

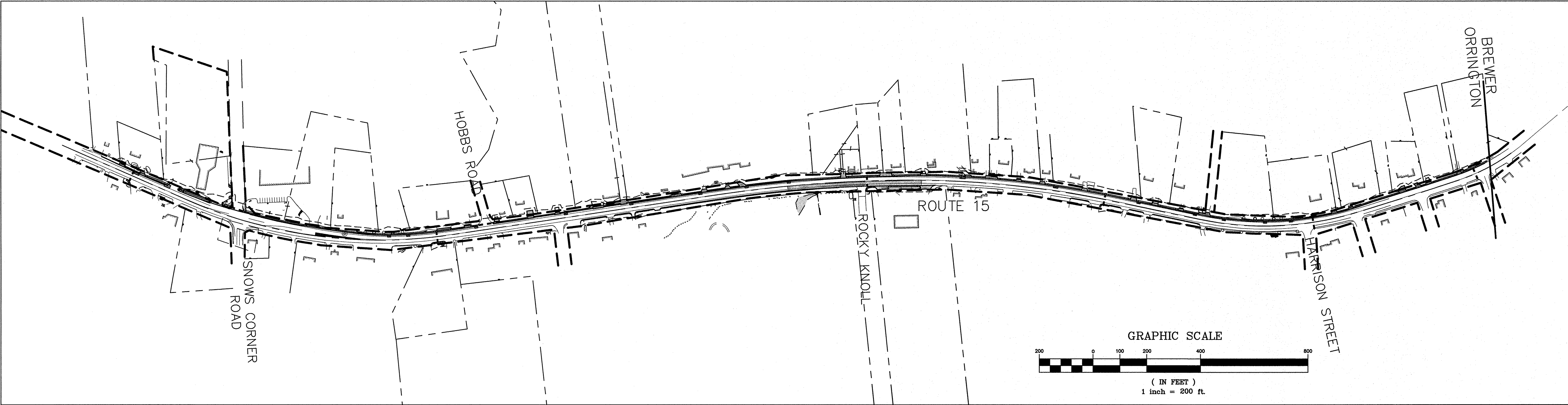
PEDESTRIAN SAFETY IMPROVEMENTS

PENOBSCOT COUNTY
ROUTE 15
MAINE DOT PIN: 018884.01
PROJECT LENGTH: 5,300 FEET

FINAL DESIGN
NOVEMBER 2018

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Cross Sections	2
Details	3
Plan & Profile	4-12
Cross Sections	13-46
Right of Way Plans	47-55



PROPOSED	LINE LEGEND	EXISTING
	PROPERTY LINE	
	RIGHT-OF-WAY	
	EASEMENT LINE	
	CENTERLINE	
	STREAM	
	EDGE OF PAVEMENT	
	EDGE OF GRAVEL	
	BUILDING	
	DITCH LINE	
	GUARDRAIL	
	EDGE OF WETLANDS	
	TREELINE	
	SIGN	
	RETAINING WALL	
	UTILITY POLE	
	OVERHEAD ELECTRIC	
	WATER LINE	
	SEWER LINE	
	CATCH BASIN	
	MANHOLE	
	HYDRANT	
	STORM DRAIN	
	UNDERDRAIN	
	FILL LINE	
	CUT LINE	

TRAFFIC DATA
SPEED LIMIT..... 35
CURRENT AADT (2017)..... 9,820

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE
11/1/18

COMMISSIONER
Jeffrey W. Taylor

CHIEF ENGINEER
N-1-18

SIGNATURE

10658
P.E. NUMBER

11/1/2018
DATE

PROJECT INFORMATION

PROGRAM	MULTIMODAL
PROJECT MANAGER	AURELE GORNEAU, II
DESIGNER	BRETT HART
CONSULTANT	SEWALL
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

TOWN OF ORRINGTON
ROUTE 15

TITLE SHEET

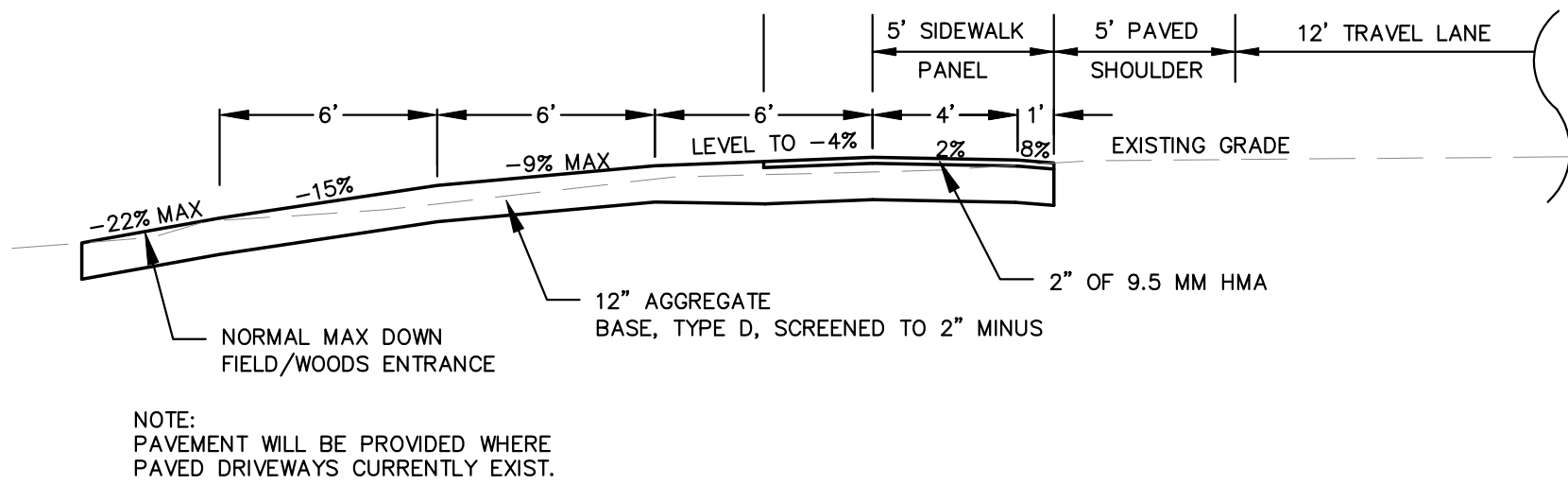
SHEET NUMBER

1

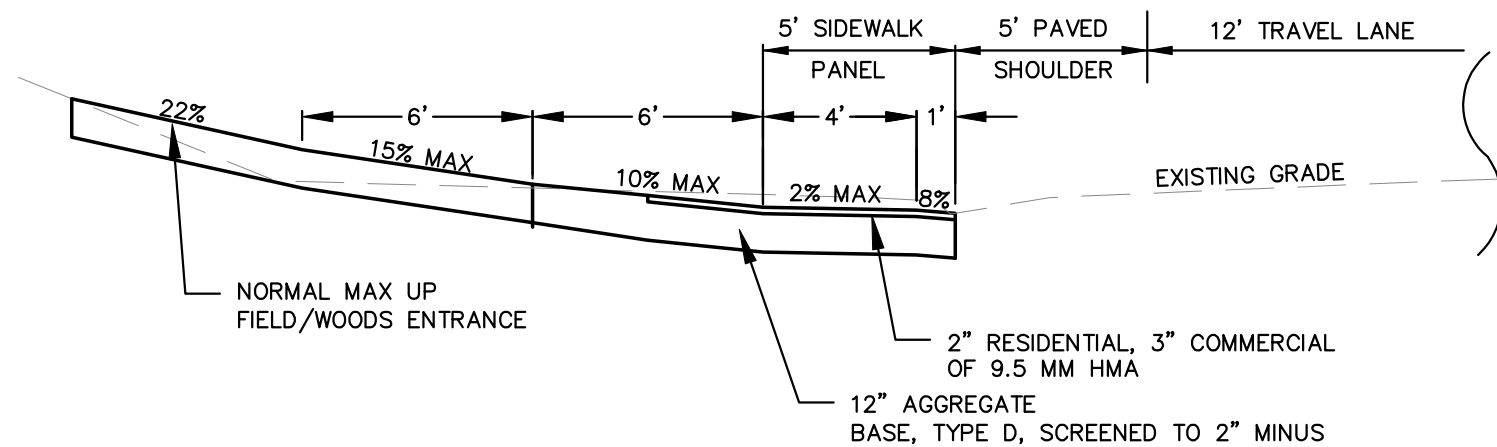
OF 55

GENERAL NOTES:

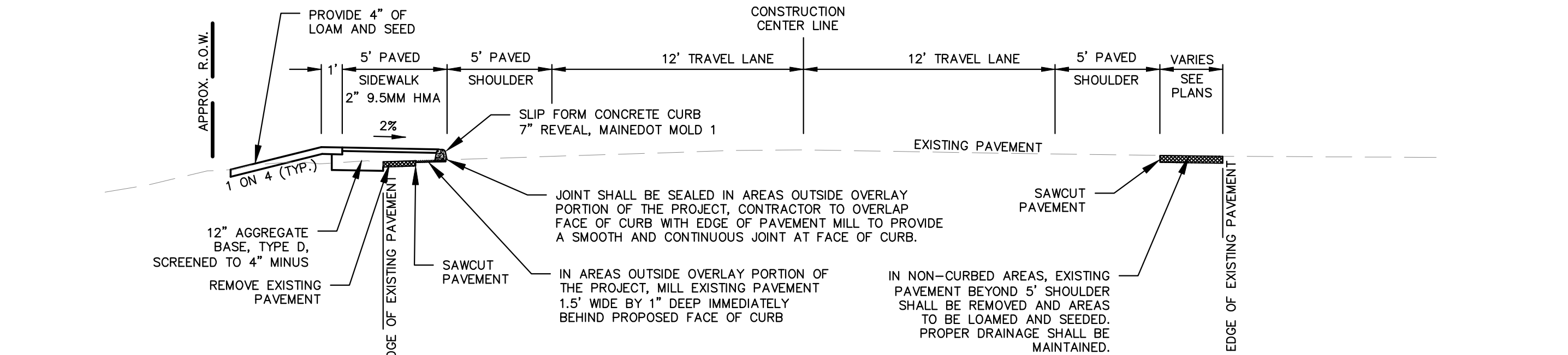
- ALL WORK CONTEMPLATED UNDER THIS PROJECT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH STATE OF MAINE DEPARTMENT OF TRANSPORTATION "STANDARD DETAILS" (2014) AND ANY SUPPLEMENTALS THERETO, TOGETHER WITH THE "STANDARD SPECIFICATIONS" (2014) AND ANY SUPPLEMENTALS THERETO, AS MODIFIED BY THE PLANS OR SPECIFICATIONS SPECIAL PROVISIONS.
- THIS SURVEY WAS CONDUCTED ON THE GROUND USING A TOPCON ROBOTIC TOTAL STATION AND HIPER II RTK GPS UNITS IN MAY 2015. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 (2011)). MAINE STATE PLANE EAST (1801). ALL UNITS SHOWN ARE U.S. SURVEY FEET. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). GEOID 12A.
- THE DEPARTMENTS "BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL" (REV. FEBRUARY 2008) SHALL APPLY TO ALL PROJECT WORK.
- THE CONTRACTOR SHALL FURNISH THE DEPARTMENT WITH A TRAFFIC CONTROL PLAN FOR DEPARTMENT REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION ACTIVITY.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE MUTCD MANUAL, PART 8 (VERSION 2009).
- UNDERGROUND UTILITIES ARE PRESENT WITHIN PROJECT LIMITS AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL AFFECTED UTILITY COMPANIES WITH A 72 HOUR NOTICE PRIOR TO ANY WORK BEING DONE NEAR A UTILITY. THE CONTRACTOR MUST ALSO COMPLY WITH 23 M.R.S.A. 3360-A, ENTITLED "PROTECTION OF UNDERGROUND FACILITIES", MAINE'S "DIG SAFE" STATUTE.
- CONTRACTOR SHALL RE GRADE EXISTING FEATURES TO ENSURE PROPER DRAINAGE. CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING ADEQUATE FILL OVER NEW DRAINAGE PIPING AND PROVIDING ALL APPROPRIATE COUPLINGS AND CONNECTORS. WHERE CATCHBASINS ARE INSTALLED ADJACENT BUT NOT DIRECTLY AT EXISTING LOW POINTS, CONTRACTOR SHALL MAKE ADJUSTMENTS TO ENSURE PROPER DRAINAGE TO NEW STRUCTURE. REQUIRED PAVEMENT AND AGGREGATES WILL BE PAID FOR AT ESTABLISHED UNIT PRICE BUT ALL OTHER WORK, SUCH AS GRINDING, SHALL BE INCIDENTAL TO CATCHBASIN INSTALLATION.
- ALL STATIONING FOR TYPICALS ARE APPROXIMATE.
- ALL CURB TERMINAL ENDS AT DRIVEWAYS SHALL BE 8'.
- CONTRACTOR TO PROVIDE 4" OF LOAM AND SEED TO ALL DISTURBED AREAS NOT BEING PAVED.
- ALL DRIVEWAYS TO BE PAVED SHALL BE CONSTRUCTED WITH 3" OF HMA OVER 12" TYPE D GRAVEL SCREENED WITH 4" SIEVE.
- SEE PLANS FOR DRAINAGE NOTES AND CURB AND SIDEWALK LOCATIONS.
- CONTRACTOR IS TO PERFORM TEST PITS PRIOR TO ORDERING ANY STRUCTURES. NOTIFY DESIGN ENGINEER IF ANY UTILITY CONFLICTS ARE FOUND.
- CONTRACTOR SHALL PROVIDE 2" RIGID POLYSTYRENE INSULATION IN AREAS BETWEEN INSTALLED DRAINAGE STRUCTURES AND WATER MAIN WITH LESS THAN 2 FOOT SEPARATION.
- CONTRACTOR IS RESPONSIBLE TO PROPERLY RELOCATE ALL SIGNS IMPACTED BY THE PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL MAILBOX POSTS. MAILBOX POSTS SHALL BE INSTALLED PER MAINE DOT STANDARD DETAILS. TOTAL SIDEWALK WIDTH, MEASURED FROM CURB, SHALL BE FIELD ADJUSTED AS NECESSARY TO MAINTAIN A MINIMUM WIDTH OF 36" FROM BACK OF MAILBOX TO BACK OF SIDEWALK. CONTRACTOR SHALL PROVIDE TEMPORARY MAILBOXES AS NEEDED TO ALLOW DAILY MAIL DELIVERY.
- CONTRACTOR IS TO REMOVE AND RESET EXISTING GUARDRAIL AT LOCATIONS SHOWN ON PLANS. CONTRACTOR SHALL REPAIR GUARDRAIL AS NEEDED TO MEET CURRENT MAINE DOT STANDARDS. CONTRACTOR SHALL REPLACE ALL DAMAGED COMPONENTS WHEN RESETTNG GUARDRAIL.
- ALL EXISTING UTILITIES EFFECTED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE INCLUDING BUT NOT LIMITED TO ~~SEWER MANHOLES~~, WATER VALVES, ETC. WORK SHALL BE INCIDENTAL TO CONTRACT.
- CONTRACTOR TO PROVIDE DETECTABLE WARNING AT ALL CROSSWALKS LOCATIONS.
- THE CONTRACTOR SHALL PROVIDE NEW CAST IRON DETECTABLE WARNING PLATES AS MANUFACTURED BY ONE OF THE MANUFACTURERS LISTED ON MAINE DOT'S QUALIFIED PRODUCTS LIST OF CAST IRON DETECTABLE WARNING PLATES. THIS LIST CAN BE FOUND AT: [HTTP://WWW.MAINE.GOV/MDOT/TRANSPORTATION-RESEARCH/QPL.PHP](http://www.maine.gov/mdot/transportation-research/qpl.php)
- FOR INSTALLATION OF NEW CAST IRON DETECTABLE WARNING PLATE ON NEW ASPHALT RAMPS, ASPHALT SHALL BE SAW CUT AND REMOVED TO PROVIDE AN OPENING THAT WILL ALLOW FOR THE DIMENSIONS OF THE CAST IRON PLATE SURROUNDED BY AN ADDITIONAL 100MM (4 IN) BORDER ON ALL SIDES OF THE PLATE. NEW CONCRETE SHALL BE PLACED IN THE RESULTING OPENING AND FINISHED, AND THE NEW PLATES SET INTO THE SET CONCRETE, ACCORDING TO MANUFACTURER RECOMMENDATIONS. NEW PLATES SHALL BE SET SQUARE WITH THE CURB EDGE AND THE BASE OF THE TRUNCATED DOMES SHALL BE FLUSH WITH ADJACENT SURFACES TO ALLOW PROPER DRAINAGE.
- PORTLAND CEMENT CONCRETE USED FOR NEW CAST IRON DETECTABLE WARNING PLATE SHALL MEET THE REQUIREMENTS OF SECTION 502, STRUCTURAL CONCRETE, CLASS A.
- PRIOR TO STARTING ALL WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE NAME OF THE SELECTED SUPPLIERS, MANUFACTURER'S LITERATURE DESCRIBING THE PRODUCT, INSTALLATION PROCEDURES, AND ROUTINE MAINTENANCE REQUIRED.



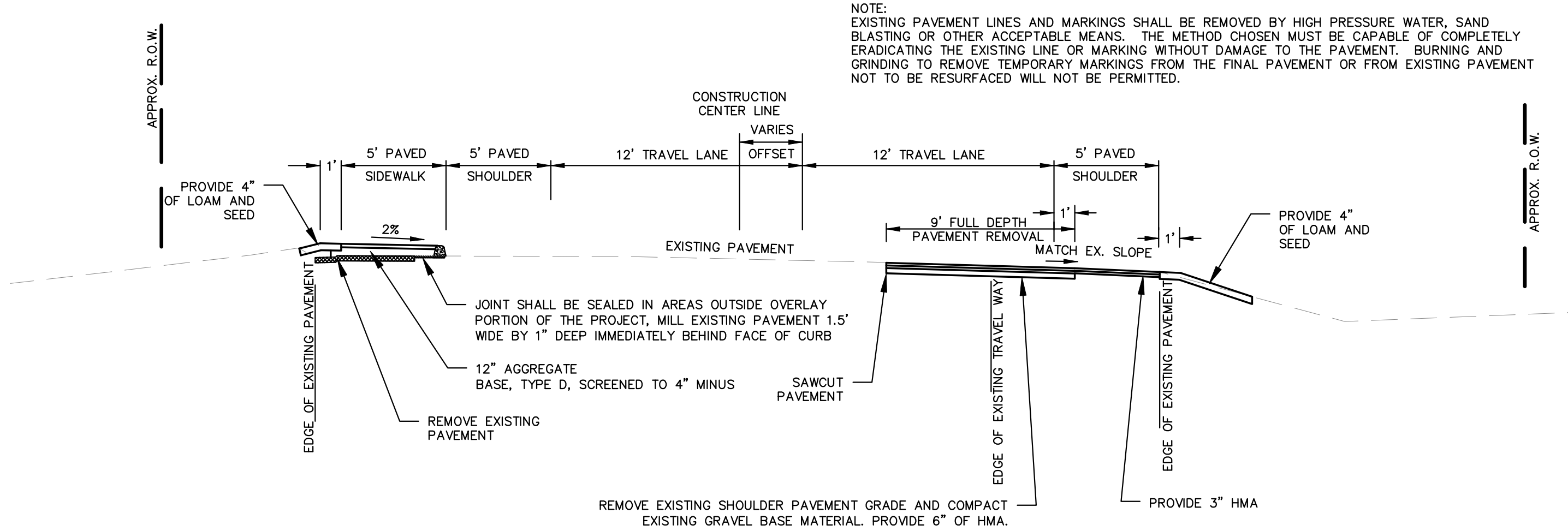
TYPICAL DRIVEWAY SECTION IN FILL



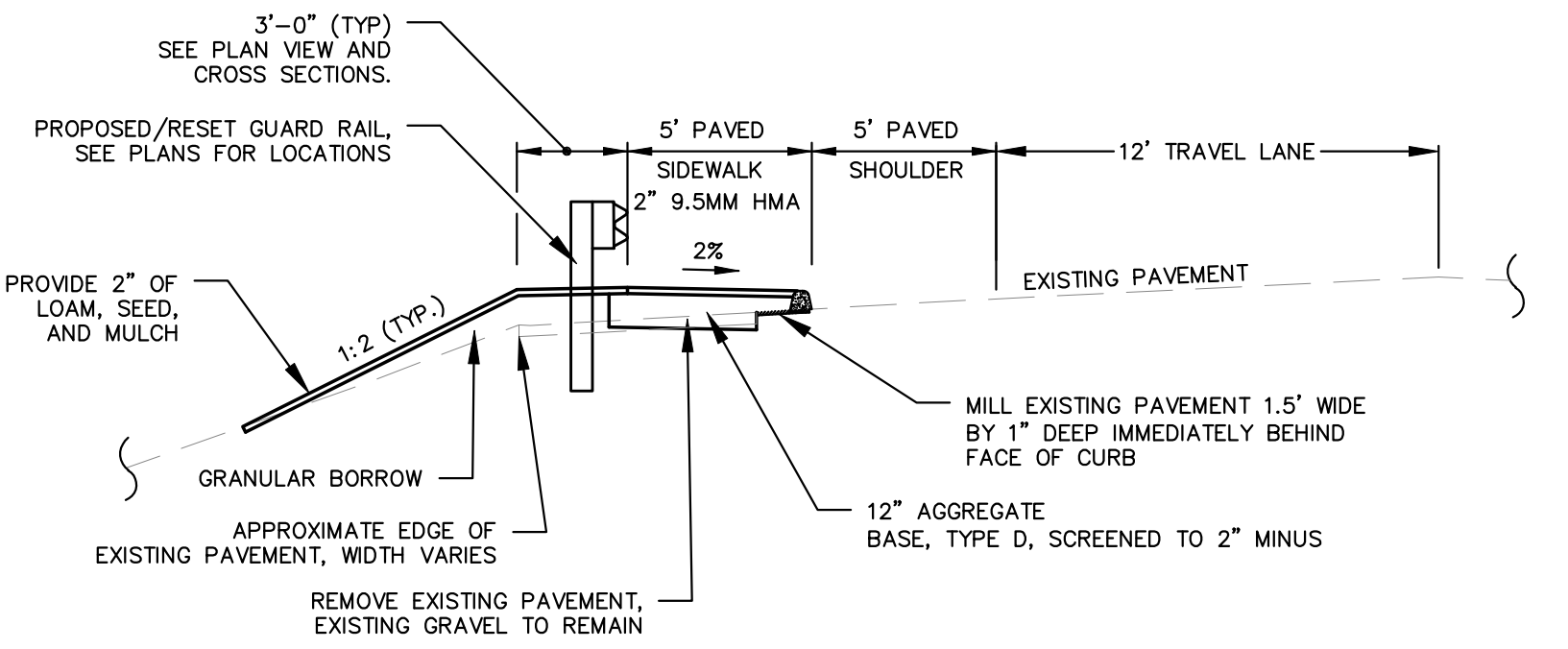
TYPICAL DRIVEWAY SECTION IN CUT



ROUTE 15 SIDEWALK TYPICAL SECTION

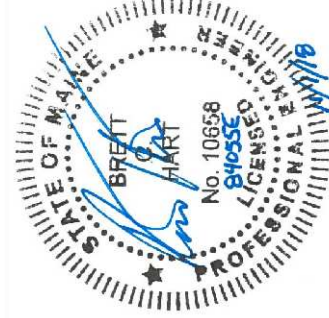


PAVEMENT REPLACEMENT
STA. 451+00 TO STA. 456+00 (RIGHT)



SIDEWALK TYPICAL WITH GUARDRAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SIGNATURE
10658
P.E. NUMBER
11/1/2018
DATE

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	BCH	07/24/18
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

TOWN OF ORRINGTON
ROUTE 15

TYPICALS

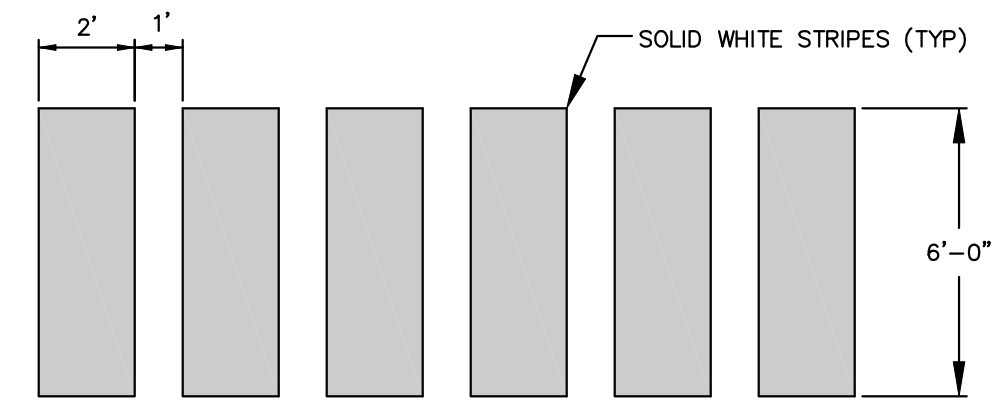
SHEET NUMBER

2

OF 55

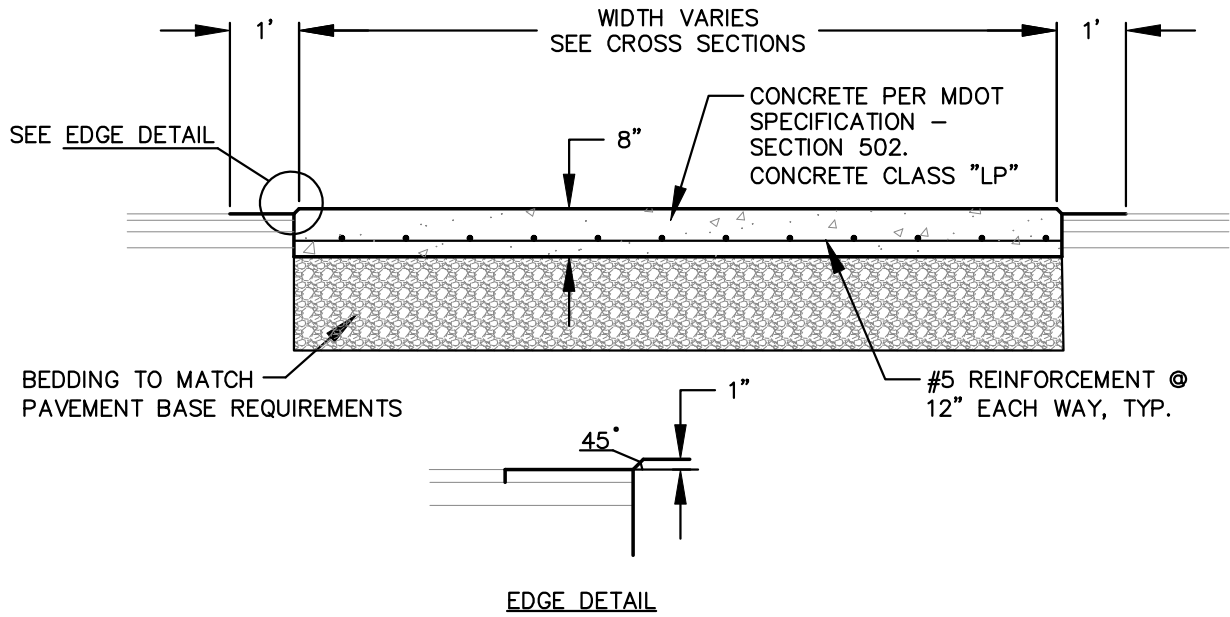
HIGHWAY PLANS

WIN
018884.01



NOTE:
CROSSWALK PAVEMENT MARKING SHALL CONFORM TO
"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES –
LATEST EDITION"

CROSSWALK PAVEMENT MARKING
NOT TO SCALE



NOTES:
1) CONCRETE SHALL MEET REQUIREMENTS OF THE MDOTSSHB CLASS LP.
2) ISLANDS ADJACENT TO ARCTIC STATION ROAD SHALL BE 10" THICK. SEE PLANS FOR REVEAL.
3) CONCRETE ISLAND SHALL BE FLUSH WITH ADJACENT BITUMINOUS SIDEWALK. CHAMFER OF CONCRETE ISLAND IN AREAS OF SIDEWALK TRAFFIC (CROSSING ENTRANCES) SHALL BE ADJUSTED AS NECESSARY TO MEET ADA REQUIREMENTS (1:12)

C.I.P. TRAFFIC ISLAND TYPICAL DETAIL
NOT TO SCALE

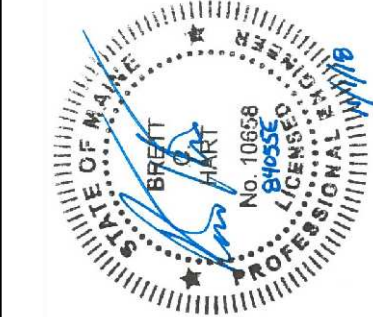
TOWN OF ORRINGTON
ROUTE 15

TYPICAL DETAILS

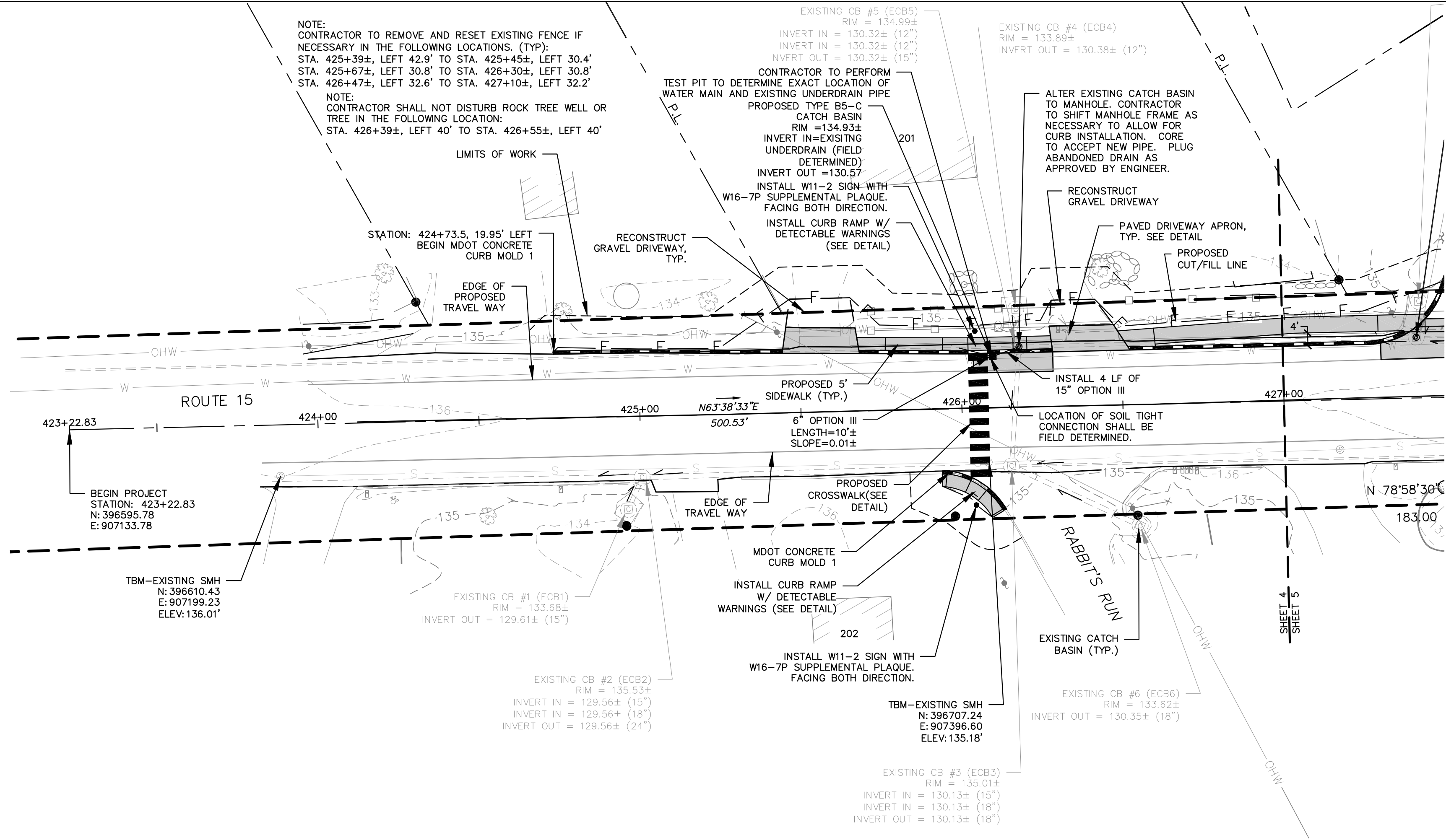
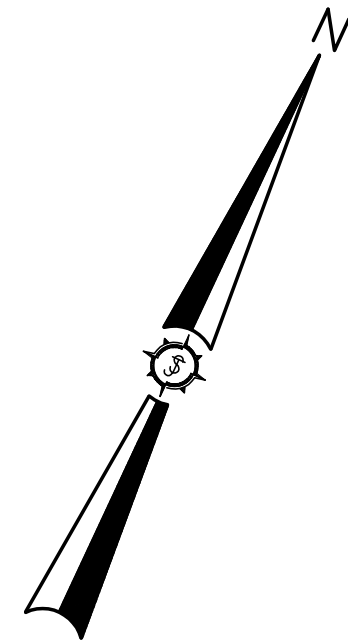
SHEET NUMBER

3

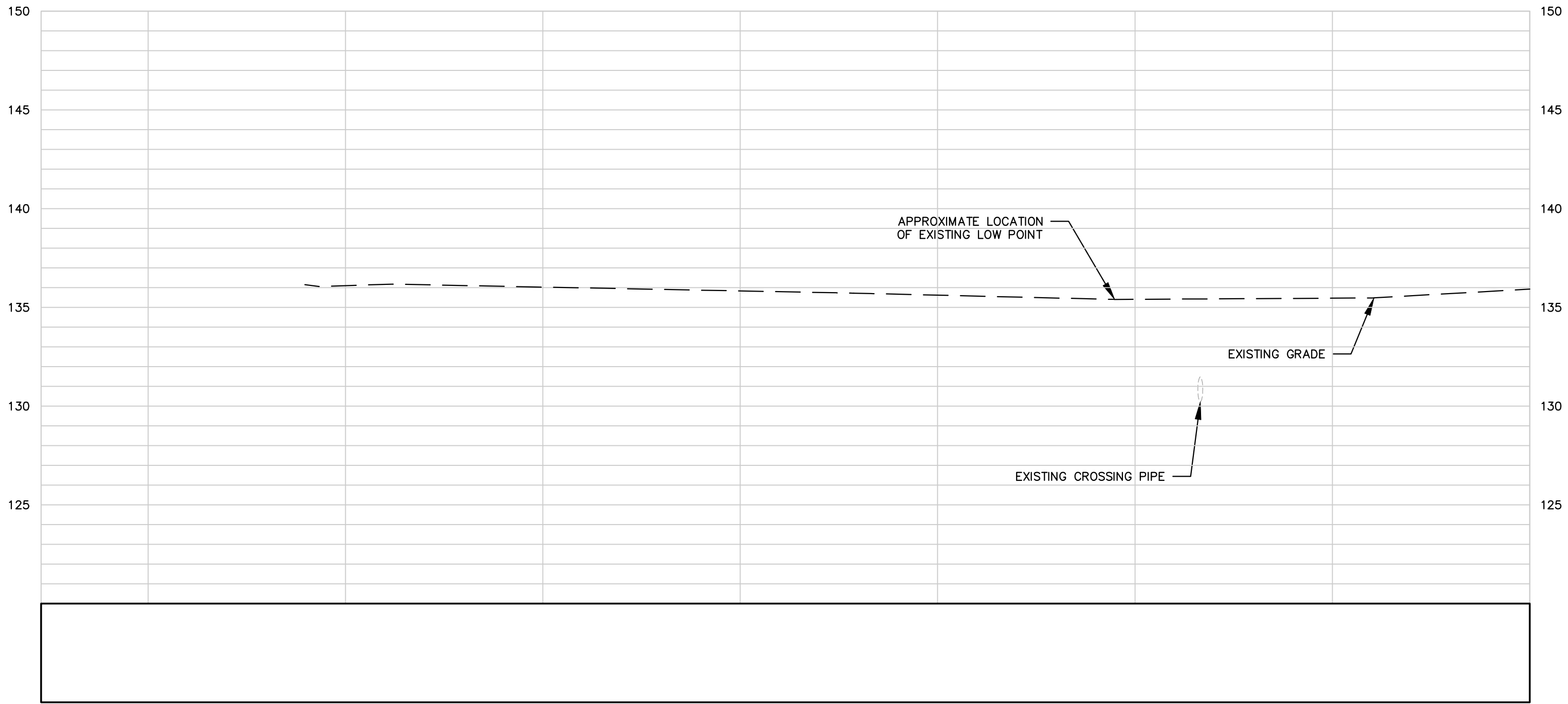
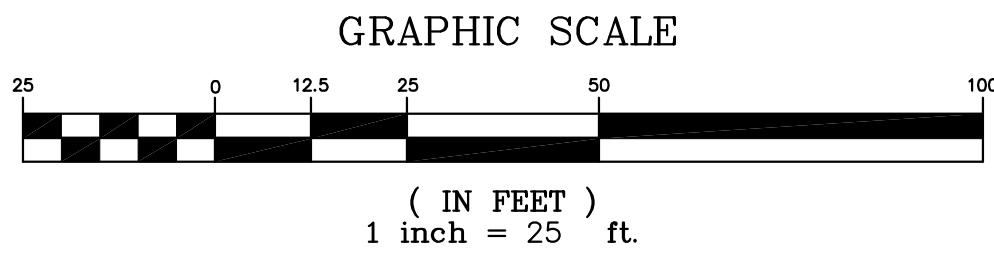
OF 55



PROJ. MANAGER	DESIGN-DETAILED		DATE	07/24/18
	CHECKED-REVIEWED	BCH	BY	
	DESIGN2-DETAILED2			SIGNATURE
	DESIGN3-DETAILED3			10658
	REVISIONS 1			P.E. NUMBER
	REVISIONS 2			11/1/2018
	REVISIONS 3			DATE
	REVISIONS 4			
	FIELD CHANGES			

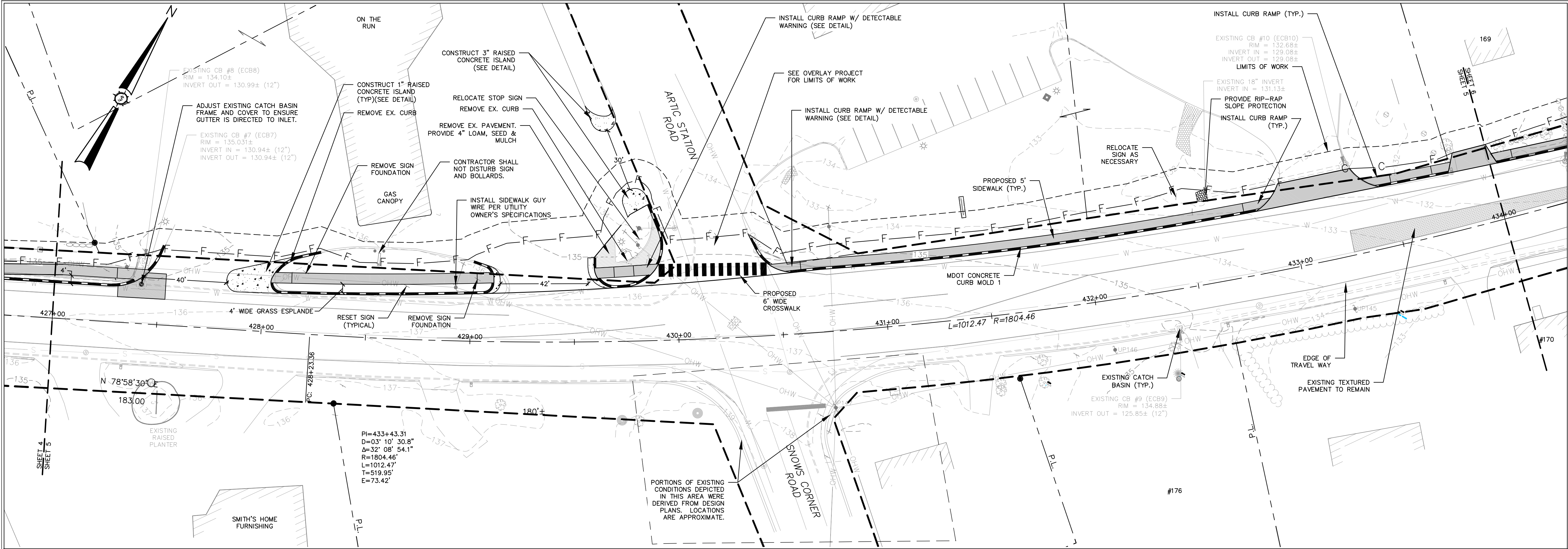


ROUTE 15
423+22.83 - 427+00.00

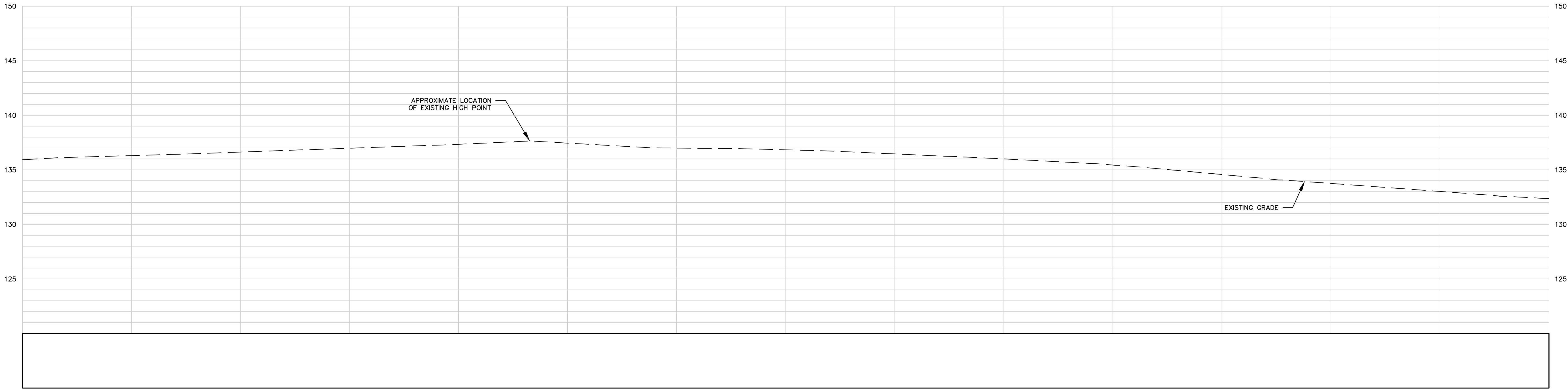
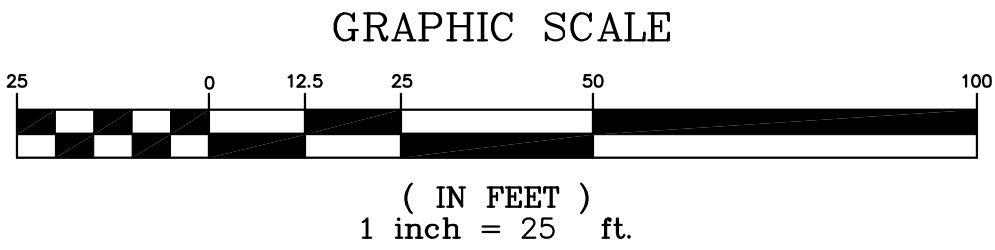


SCALE:
H: 1" = 25'
V: 1" = 5'

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		WIN 018884.01		HIGHWAY PLANS	
PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	BCH	07/24/18		10658	11/1/2018
CHECKED-REVIEWED					
DESIGN2-DETAILED2					
DESIGN3-DETAILED3					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					
TOWN OF ORRINGTON ROUTE 15		PLAN AND PROFILE STA. 423+23 - 427+00			
SHEET NUMBER		4			
		OF 55			



ROUTE 15
427+00.00 - 434+00.00



SCALE:
H: 1" = 25'
V: 1" = 5'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
018884.01

HIGHWAY PLANS

DATE
07/24/18

BY
BCH

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN2-DETAILED2
DESIGN3-DETAILED3
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

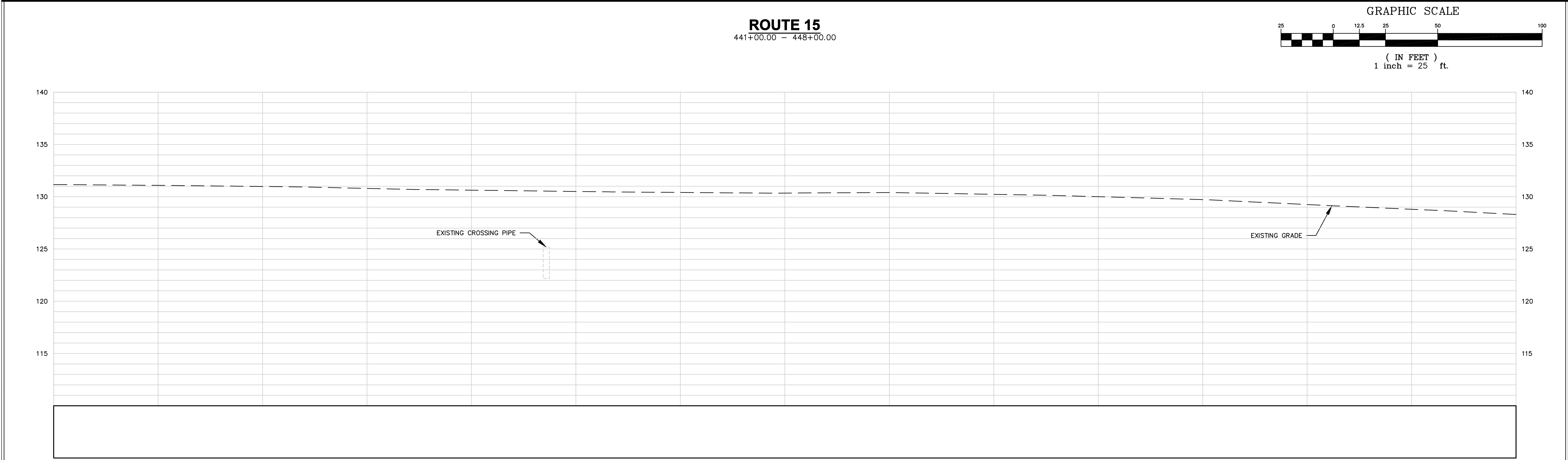
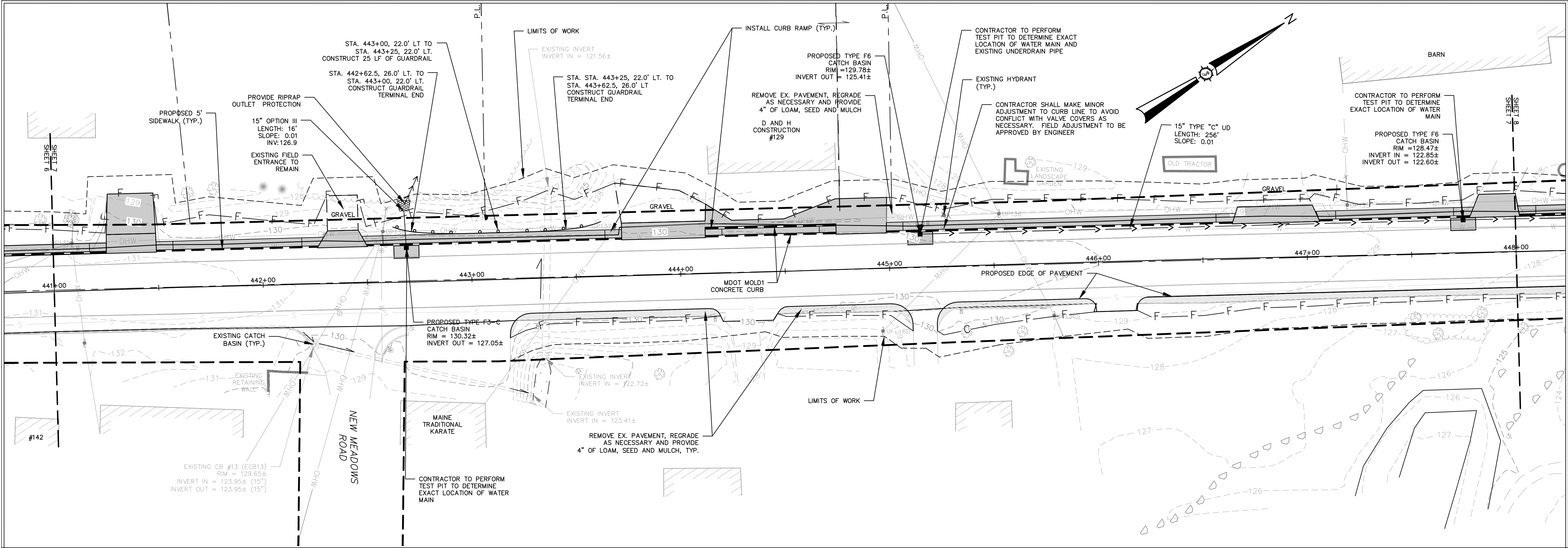
SIGNATURE
10658
P.E. NUMBER
11/1/2018
DATE

TOWN OF ORRINGTON
ROUTE 15

PLAN AND PROFILE
STA. 427+00 - 434+00

SHEET NUMBER
5

OF 55



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
018884.01

HIGHWAY PLANS

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN2-DETAILED2

DESIGN3-DETAILED3

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

07/24/18

-

-

-

-

-

-

-

BY

BCH

-

-

-

-

-

-

-

SIGNATURE

10658

P.E. NUMBER

11/1/2018

DATE

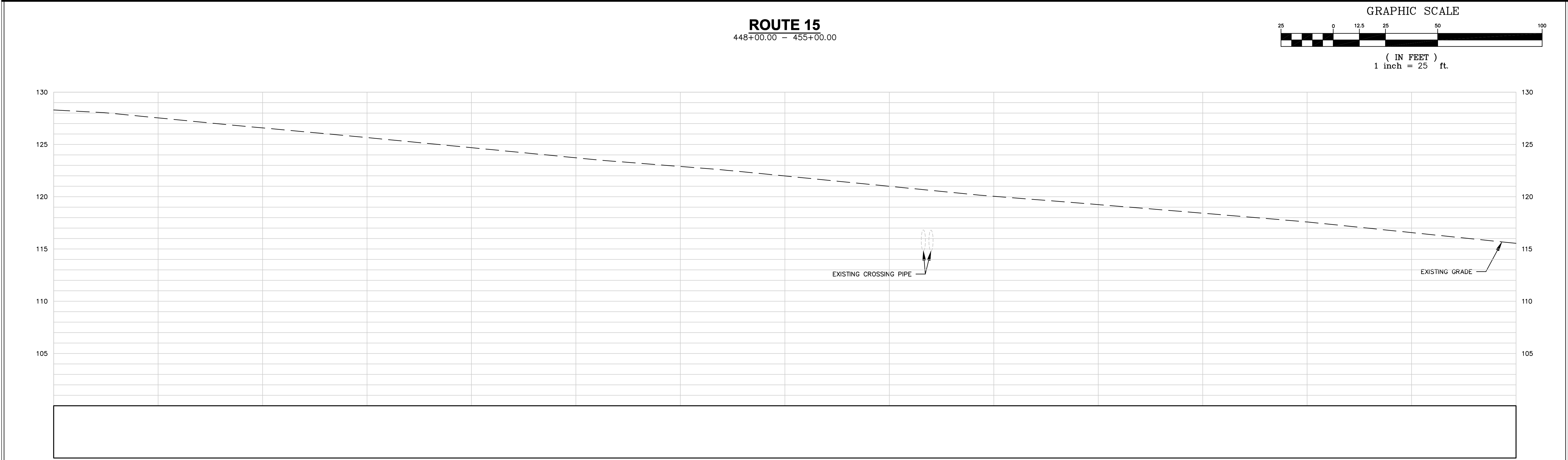
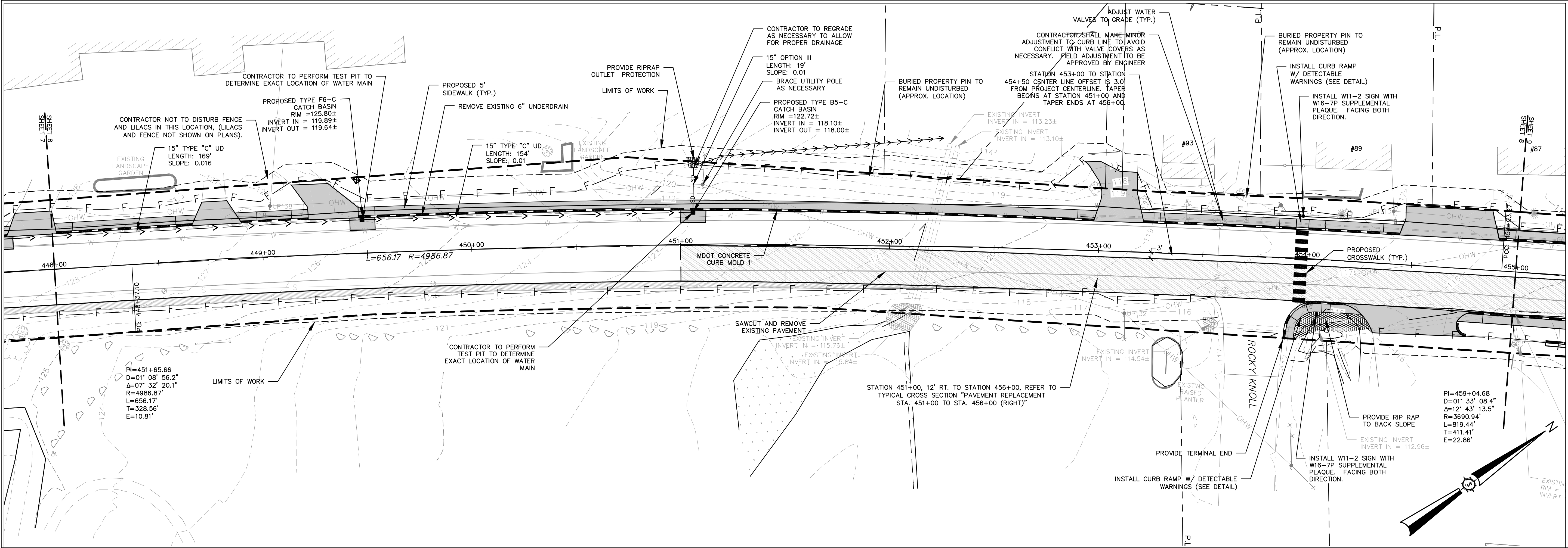
TOWN OF ORRINGTON
ROUTE 15

PLAN AND PROFILE
441+00 - 448+00

SHEET NUMBER

7

OF 55



SCALE:
H: 1" = 25'
V: 1" = 5'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
018884.01

HIGHWAY PLANS

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN2-DETAILED2

DESIGN3-DETAILED3

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

07/24/18

-

-

-

-

-

-

-

-

BY

BCH

-

-

-

-

-

-

-

-

SIGNATURE

-

-

-

-

-

-

-

-

-

P.E. NUMBER

10658

-

-

-

-

-

-

-

-

DATE

11/1/2018

-

-

-

-

-

-

-

-

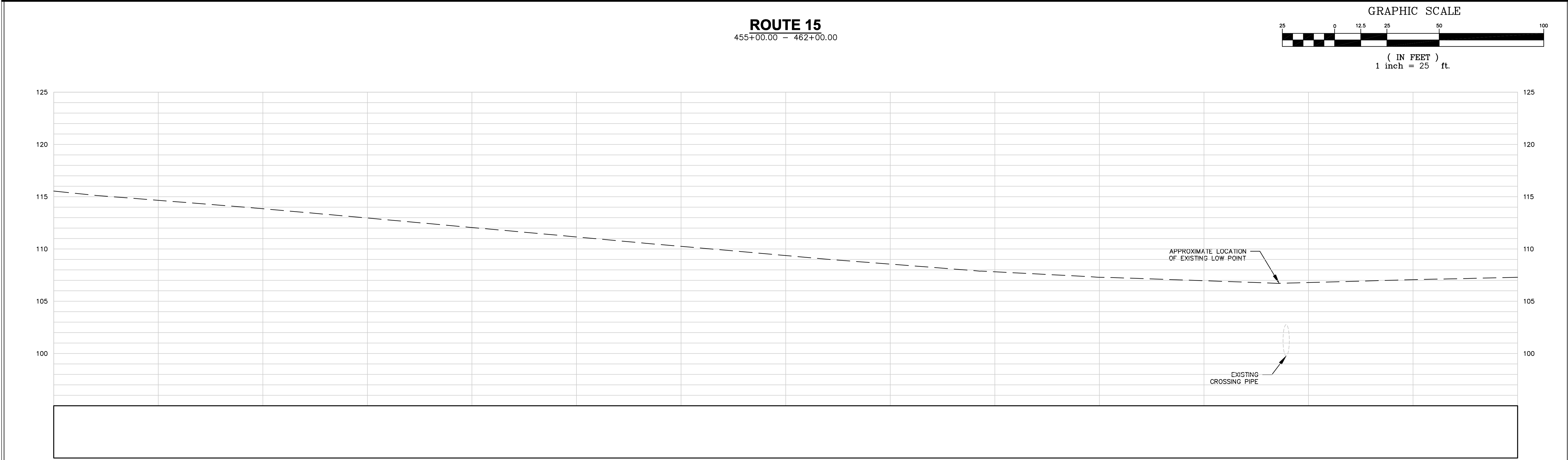
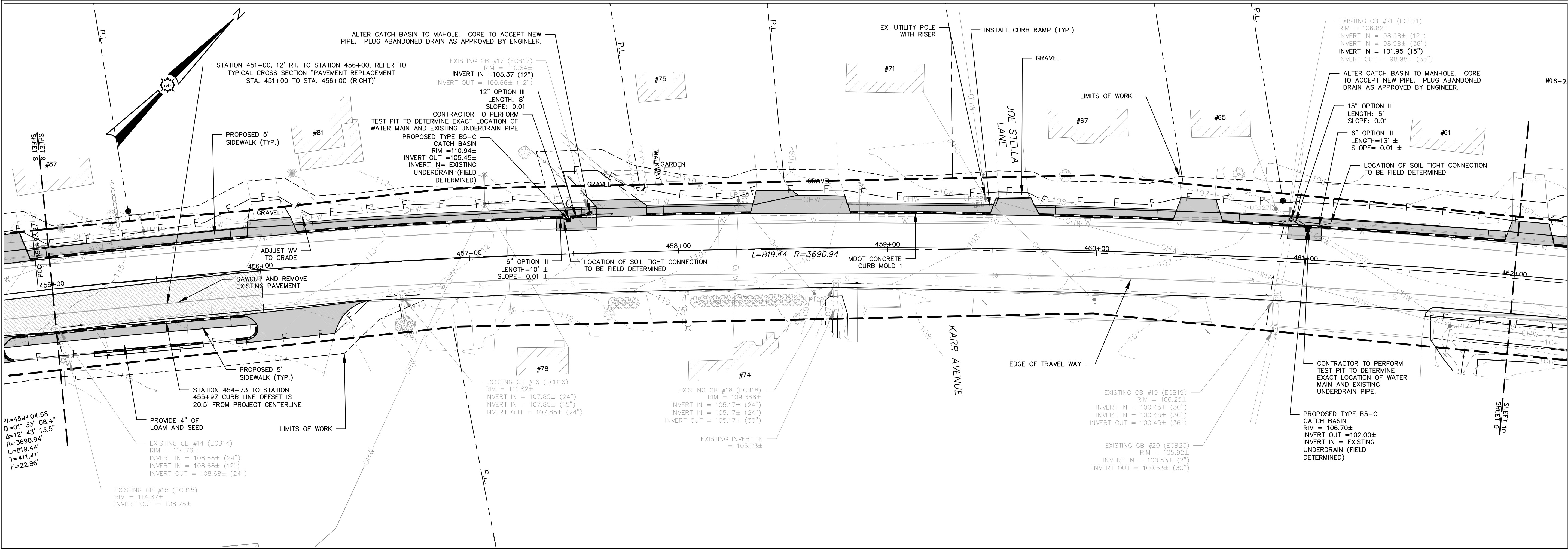
TOWN OF ORRINGTON
ROUTE 15

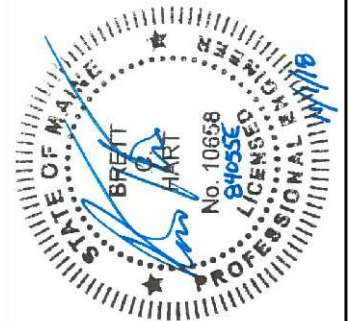
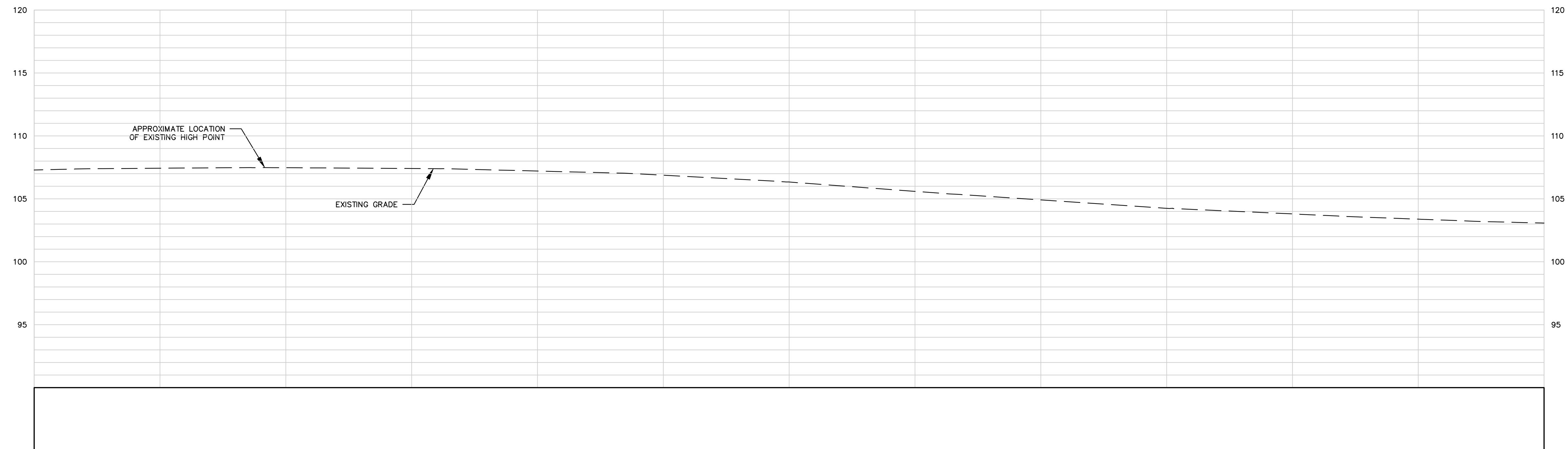
PLAN AND PROFILE
448+00 - 455+00

SHEET NUMBER

00

OF 55





SIGNATURE _____
0658 _____
P.E. NUMBER _____
1/1/2018 _____
DATE _____

DESIGN—DETAILED	BOH	07/24/18
CHECKED—REVIEWED	—	—
DESIGN2—DETAILED2	—	1
DESIGN3—DETAILED3	—	1
REVISIONS 1	—	1
REVISIONS 2	—	1
REVISIONS 3	—	1
REVISIONS 4	—	—
FIELD CHANGES	—	—

TOWN OF ORRINGTON
ROUTE 15

PLAN AND PROFILE
462+00 - 468+00

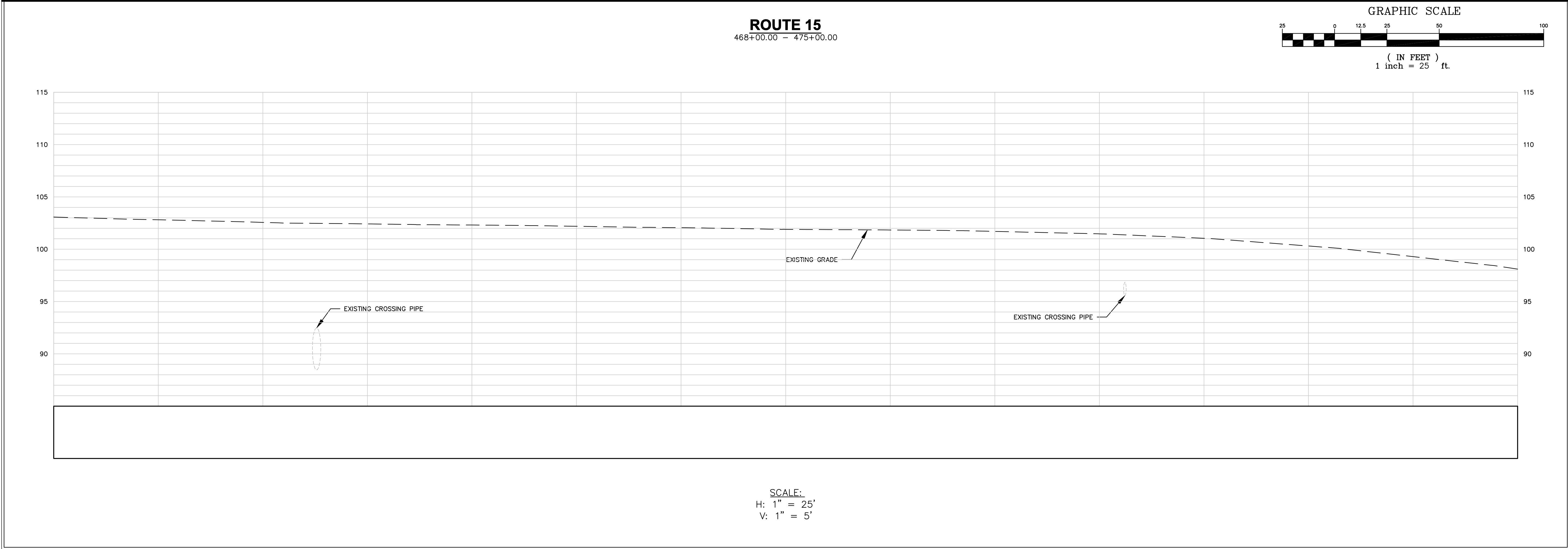
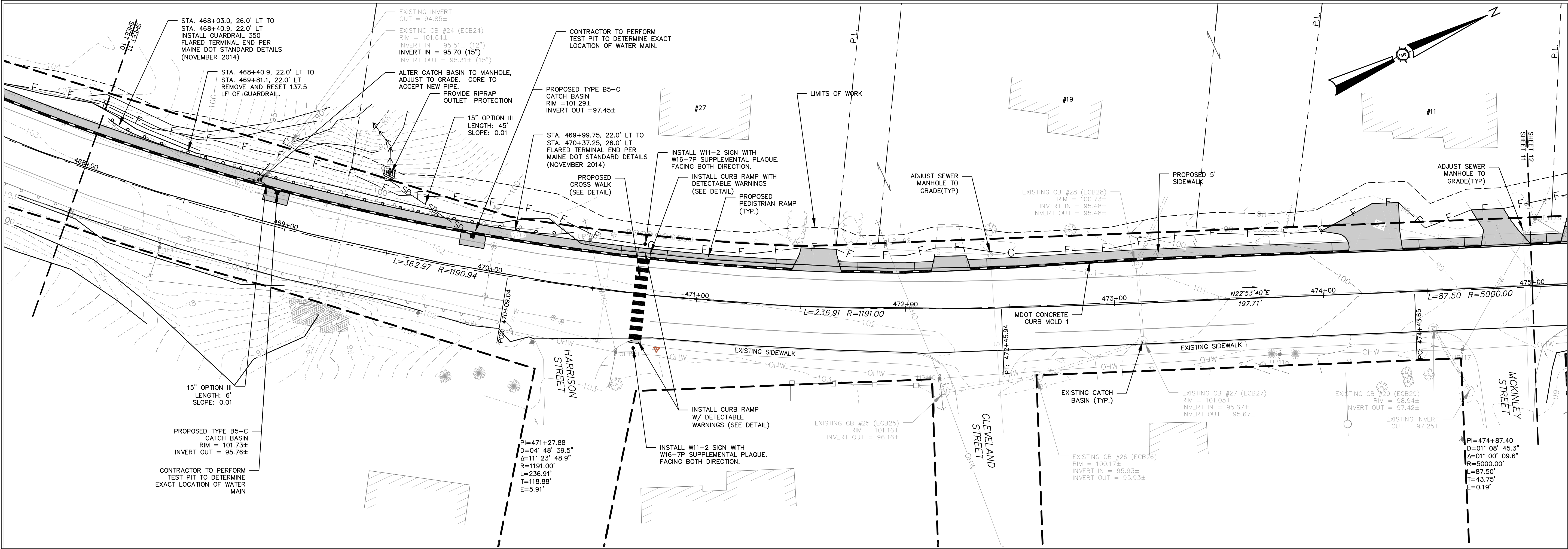
SHEET NUMBER

10

DF 55

HIGHWAY PLANS

WIN	018884.01
-----	-----------



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
018884.01

HIGHWAY PLANS

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN2-DETAILED2
DESIGN3-DETAILED3
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

DATE
07/24/18
-
-
-
-
-
-
-
-

BY
BCH
-
-
-
-
-
-
-
-

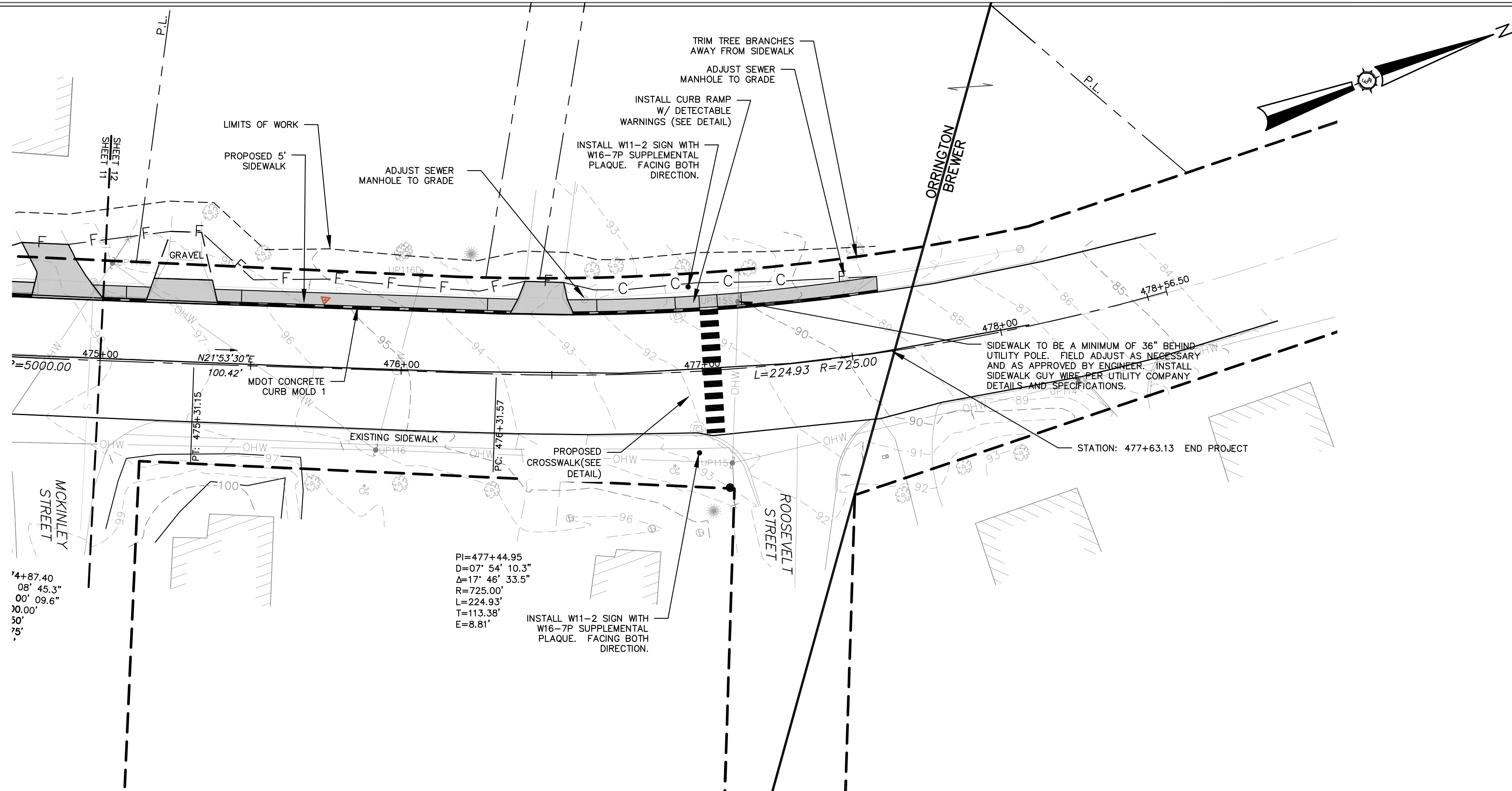
SIGNATURE
10658
P.E. NUMBER
11/1/2018
DATE

DATE
07/24/18
-
-
-
-
-
-
-
-

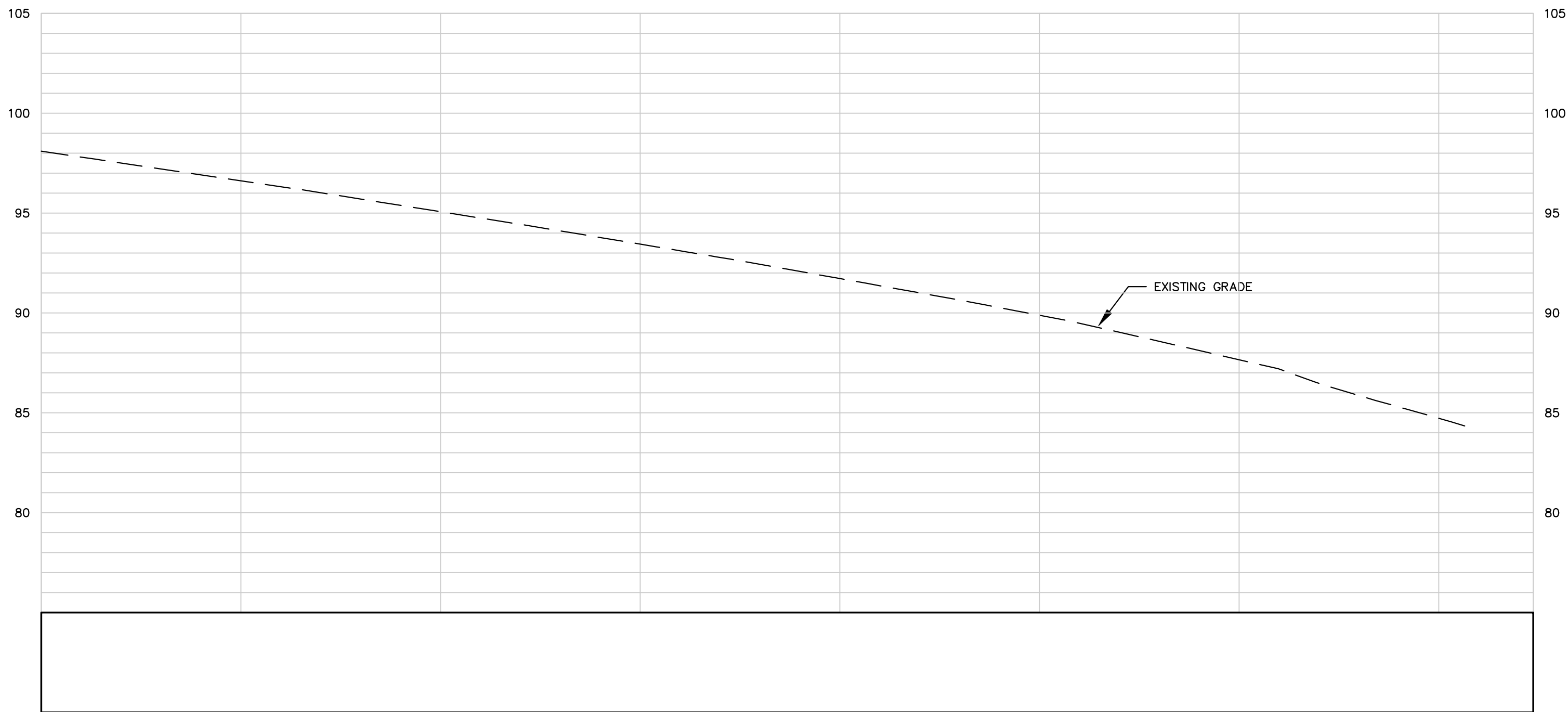
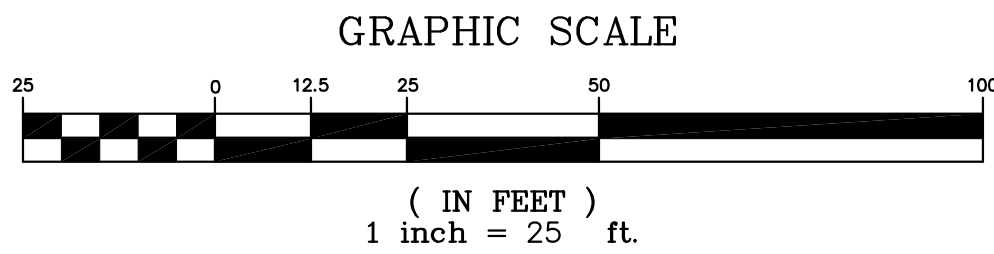
BY
BCH
-
-
-
-
-
-
-
-

TOWN OF ORRINGTON
ROUTE 15
PLAN AND PROFILE
468+00 - 475+00

SHEET NUMBER
11
OF 55

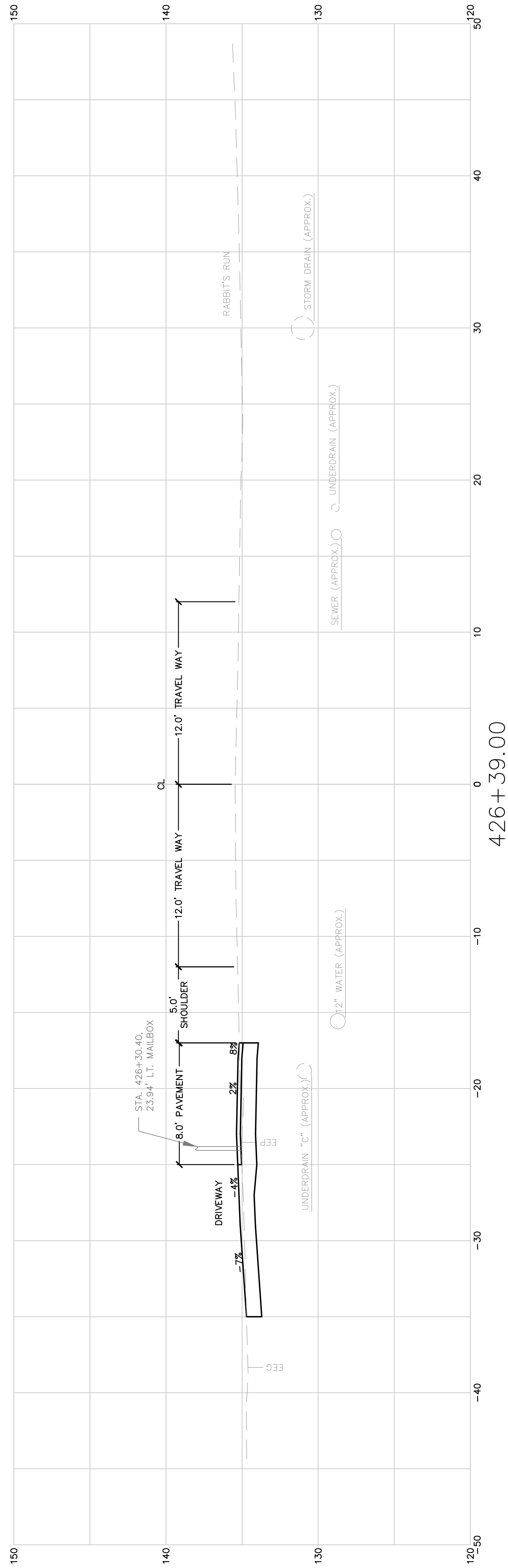
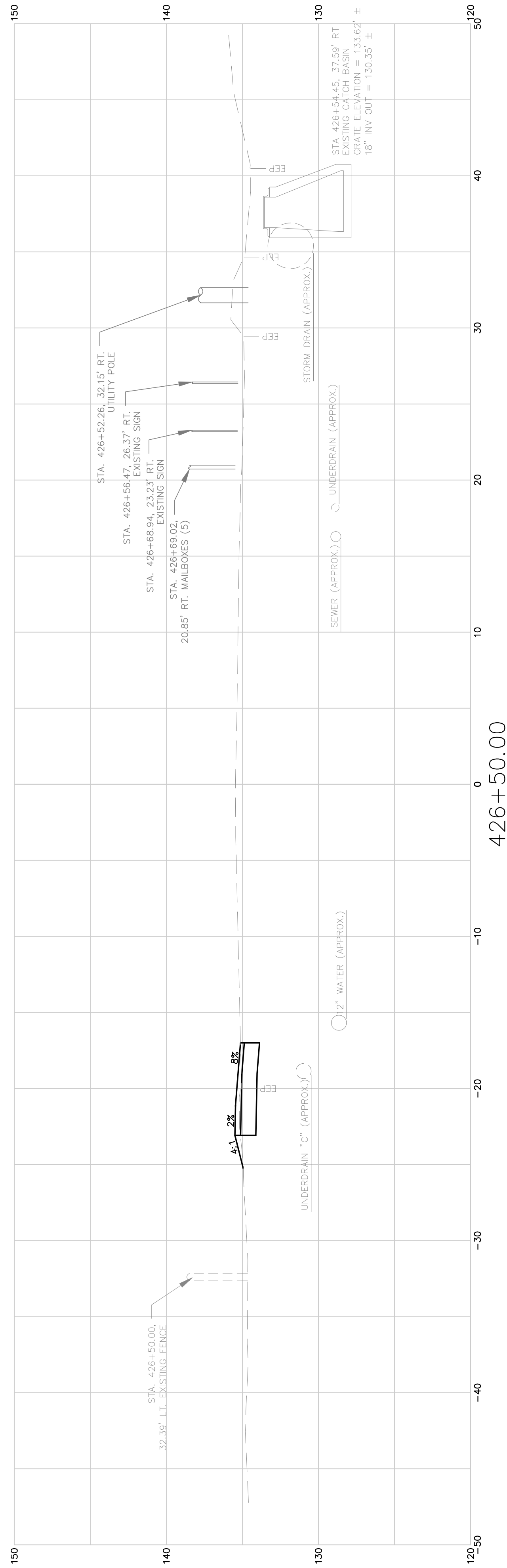
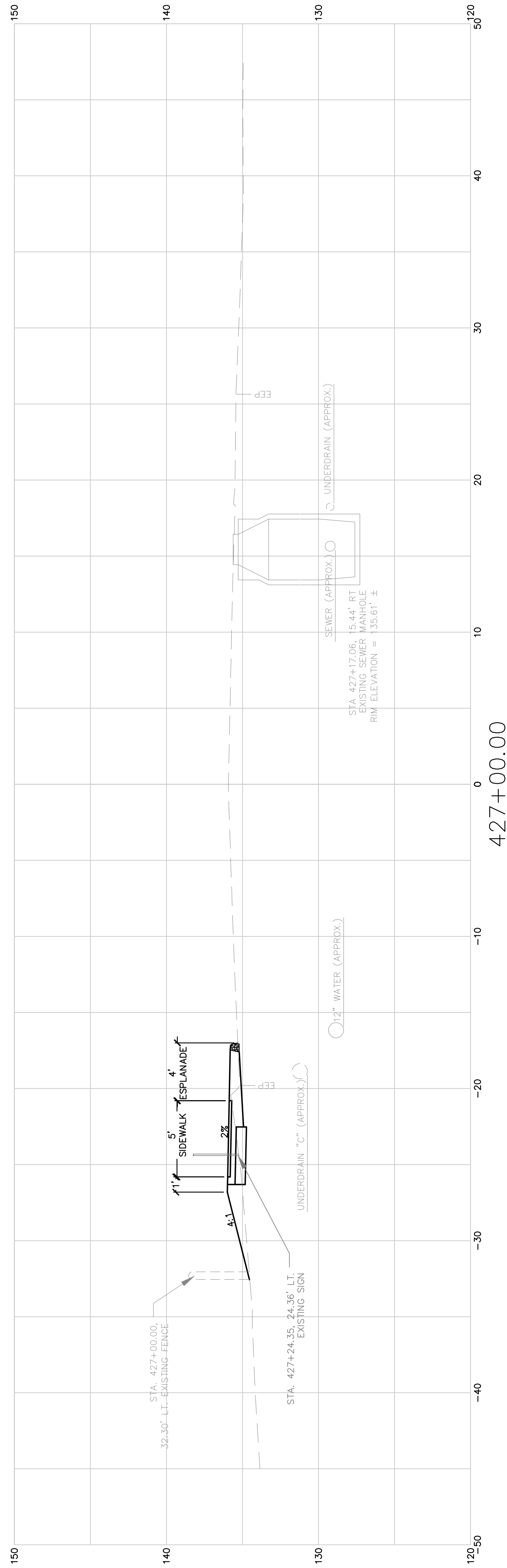
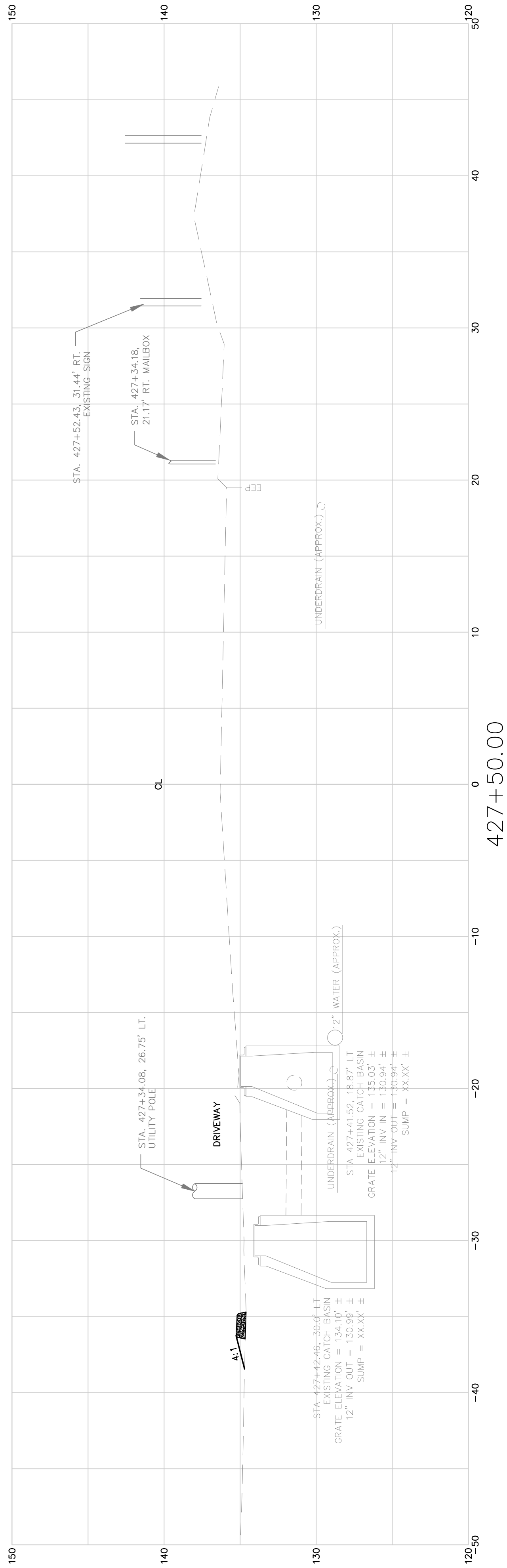


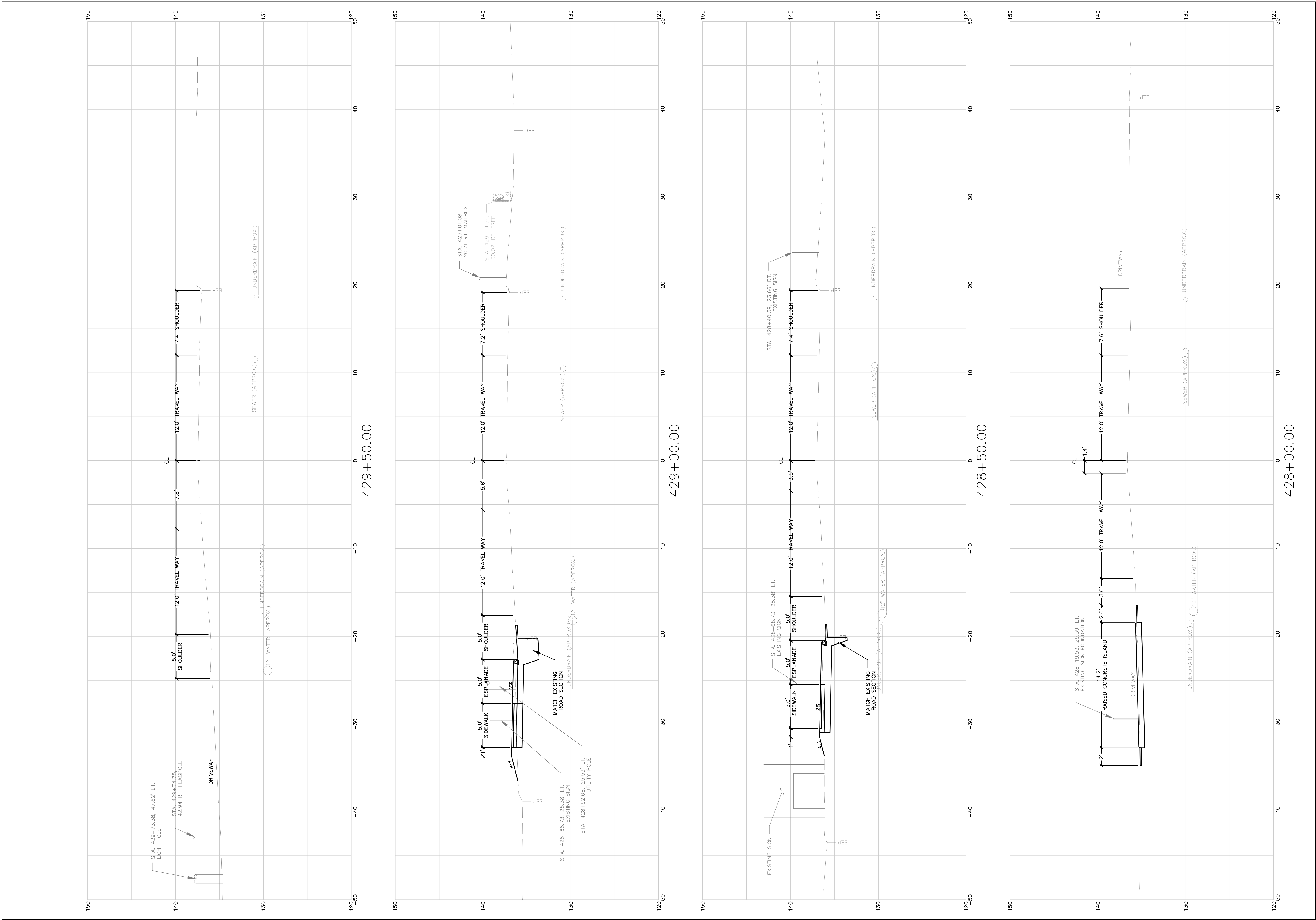
ROUTE 15
475+00.00 - 478+73.66



SCALE:
H: 1" = 25'
V: 1" = 5'

STATE OF MAINE DEPARTMENT OF TRANSPORTATION				WIN 018884.01		HIGHWAY PLANS			
PROJ. MANAGER	DATE	07/24/18	BY	SIGNATURE	10658	P.E. NUMBER	11/1/2018	DATE	
	DESIGN-DETAILED	-							
	CHECKED-REVIEWED	-							
	DESIGN2-DETAILED2	-							
	DESIGN3-DETAILED3	-							
REVISIONS 1	-	REVISIONS 2	-	REVISIONS 3	-	REVISIONS 4	-	FIELD CHANGES	-
TOWN OF ORRINGTON ROUTE 15		PLAN AND PROFILE 475+00 - 478+73.66							
SHEET NUMBER		12							
		OF 55							





SHEET NUMBER

15

OF 55

TOWN OF ORRINGTON

ROUTE 15

428+00.00 CROSS SECTIONS 429+50.00

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN2-DETAILED2

DESIGN3-DETAILED3

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BY

BCH

-

-

-

-

-

-

-

DATE

07/24/18

-

-

-

-

-

-

-

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

PROFESSIONAL ENGINEER

MAINE

NO. 10658

LEAH M. BRETHERTON

11/1/2018

SIGNATURE

10658

P.E. NUMBER

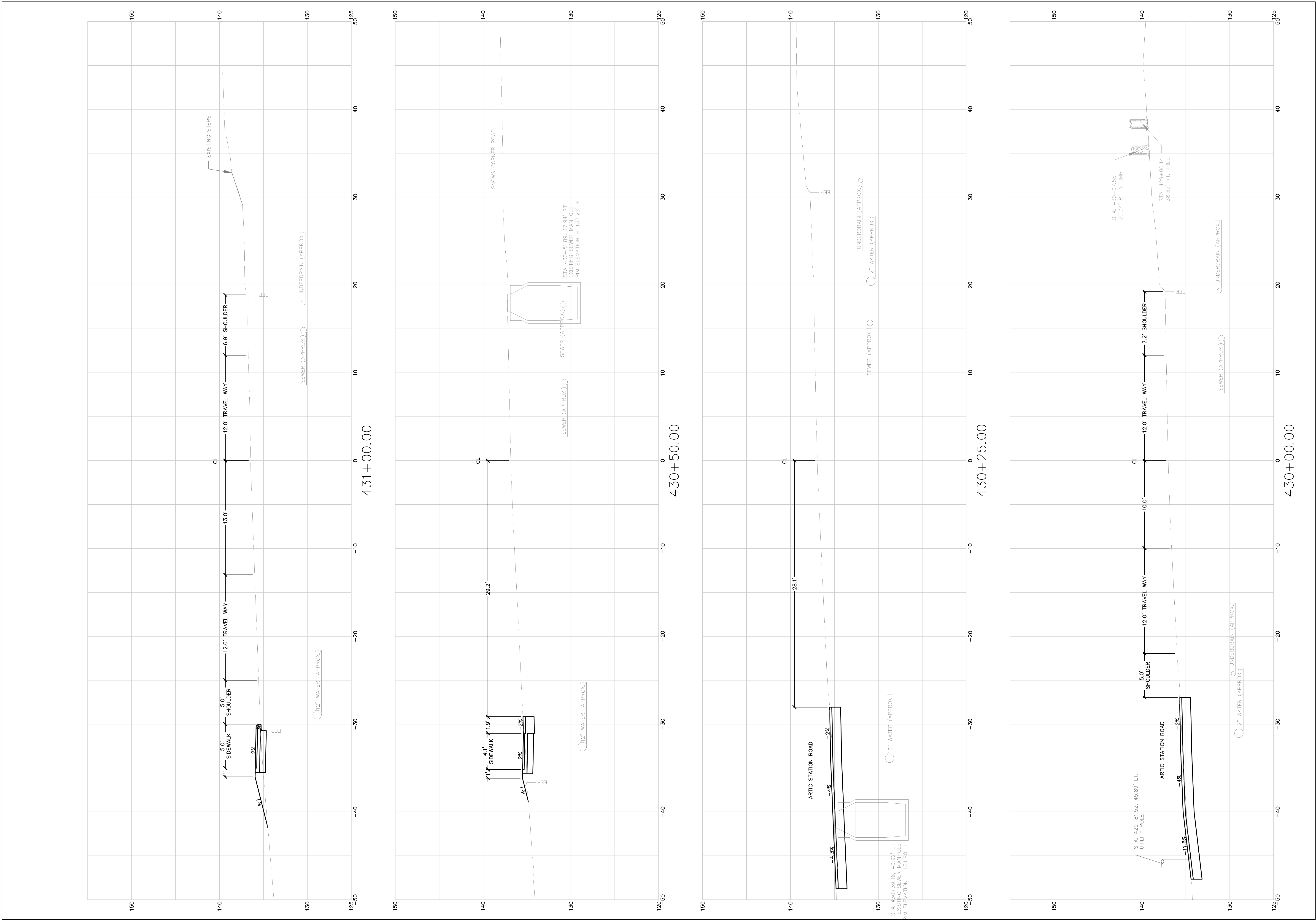
11/1/2018

DATE

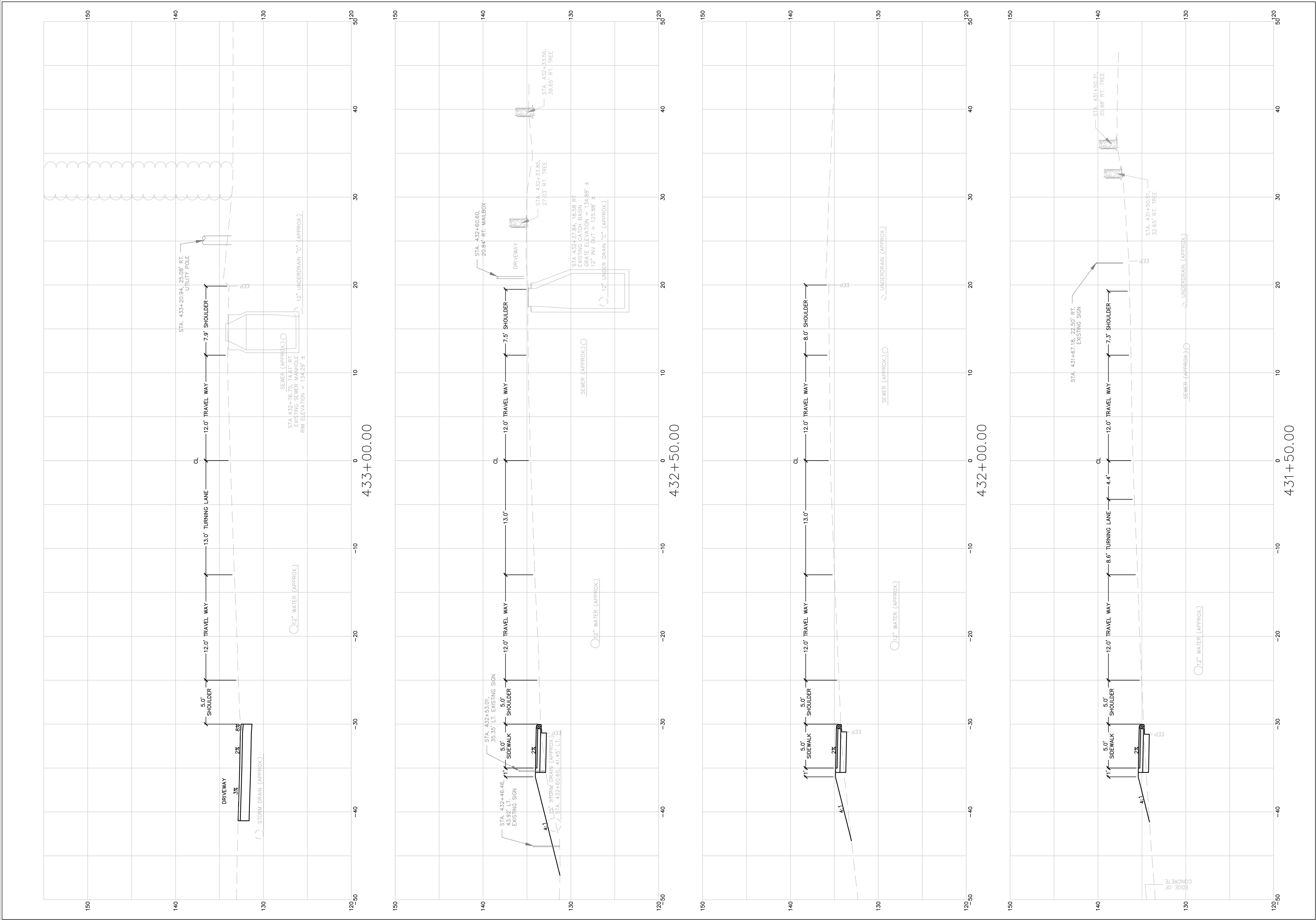
WIN

018884.01

HIGHWAY PLANS



SHEET NUMBER	TOWN OF ORRINGTON ROUTE 15										STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
	430+00.00 CROSS SECTIONS 431+00.00										WIN 018884.01	
	10 OF 55										HIGHWAY PLANS	



TOWN OF ORRINGTON
ROUTE 15

SHEET NUMBER
17
OF 55

431+50.00 CROSS SECTIONS 433+00.00

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN2-DETAILED2
DESIGN3-DETAILED3
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

BY
BCH
-
-
-
-
-
-
-
-
-

DATE
07/24/18
-
-
-
-
-
-
-
-
-

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

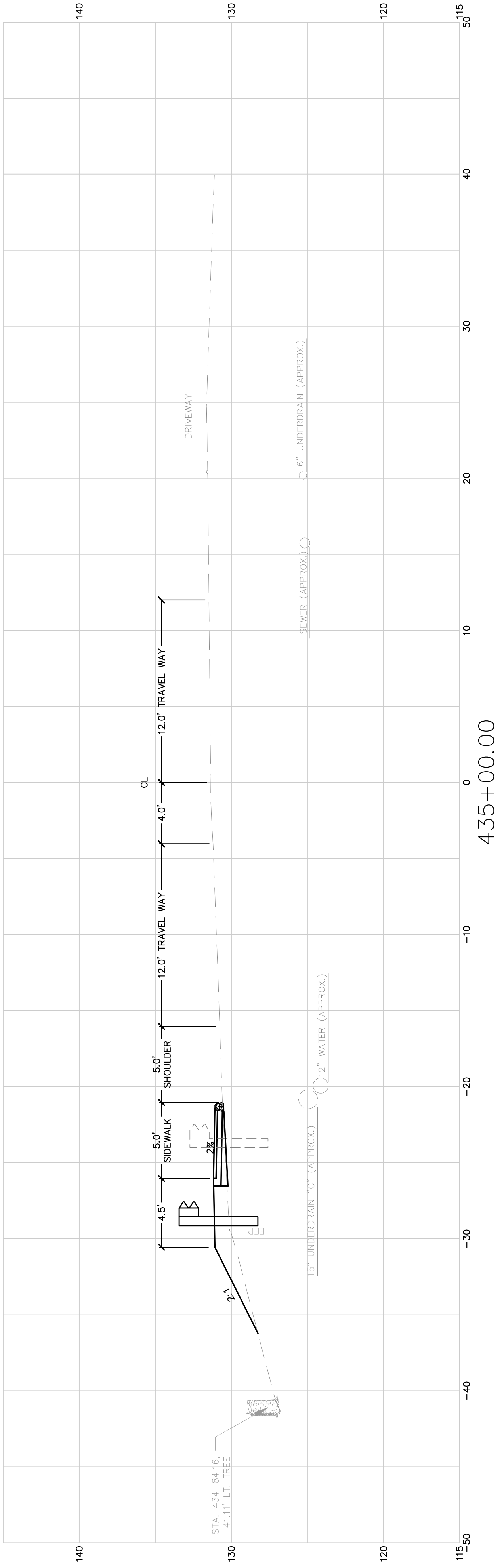
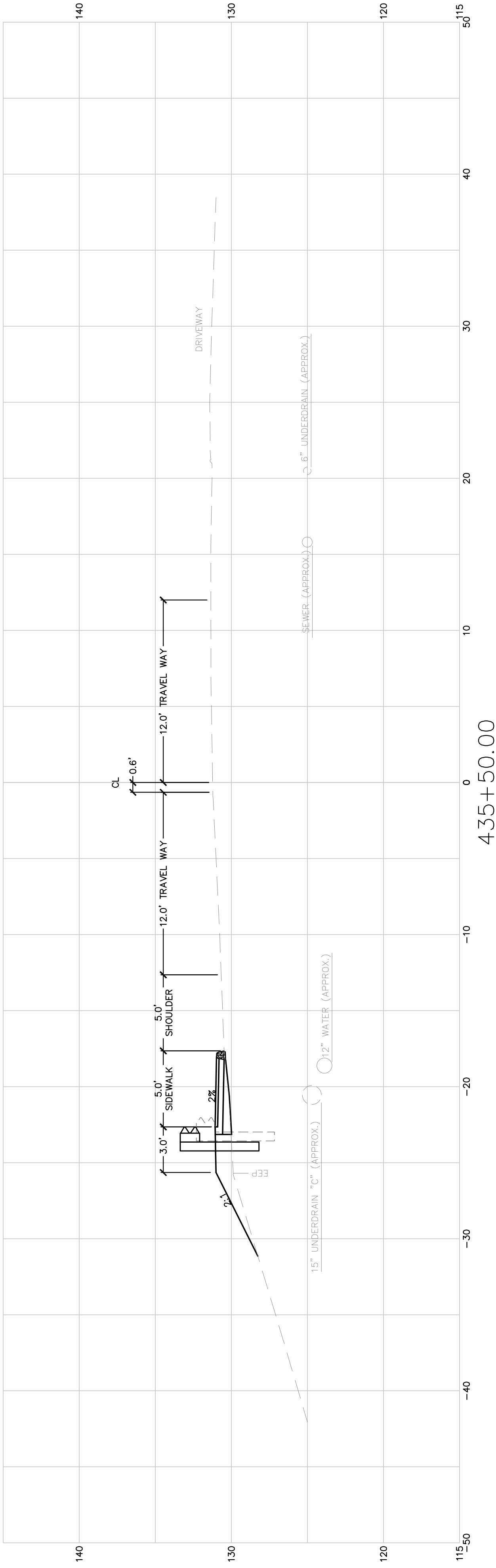
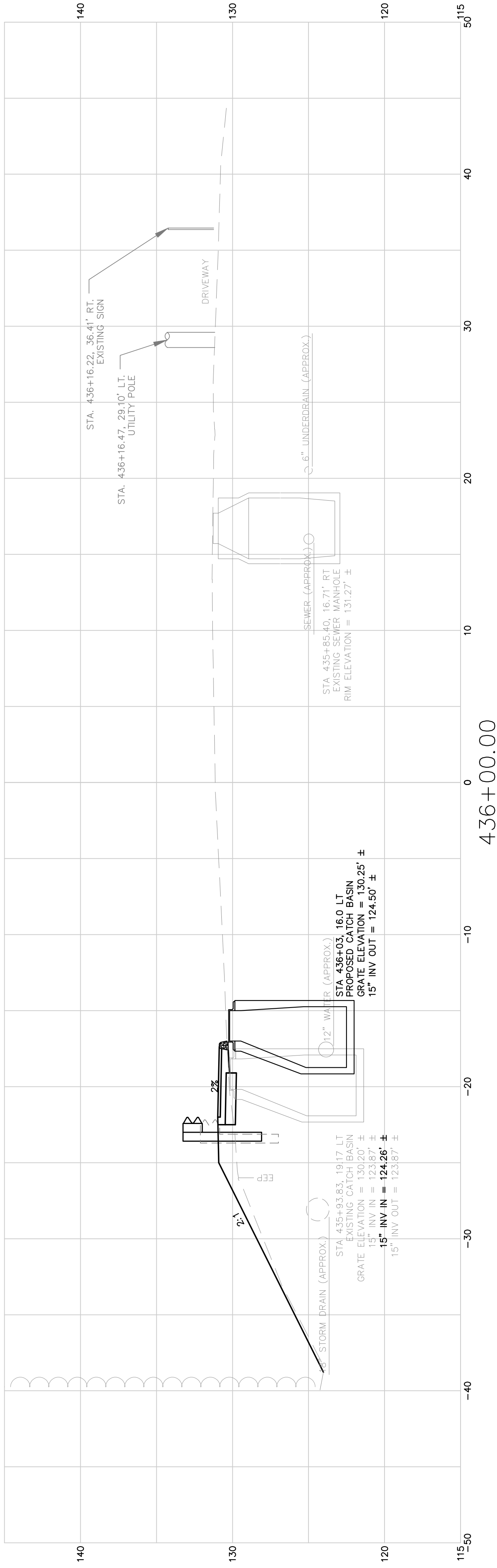
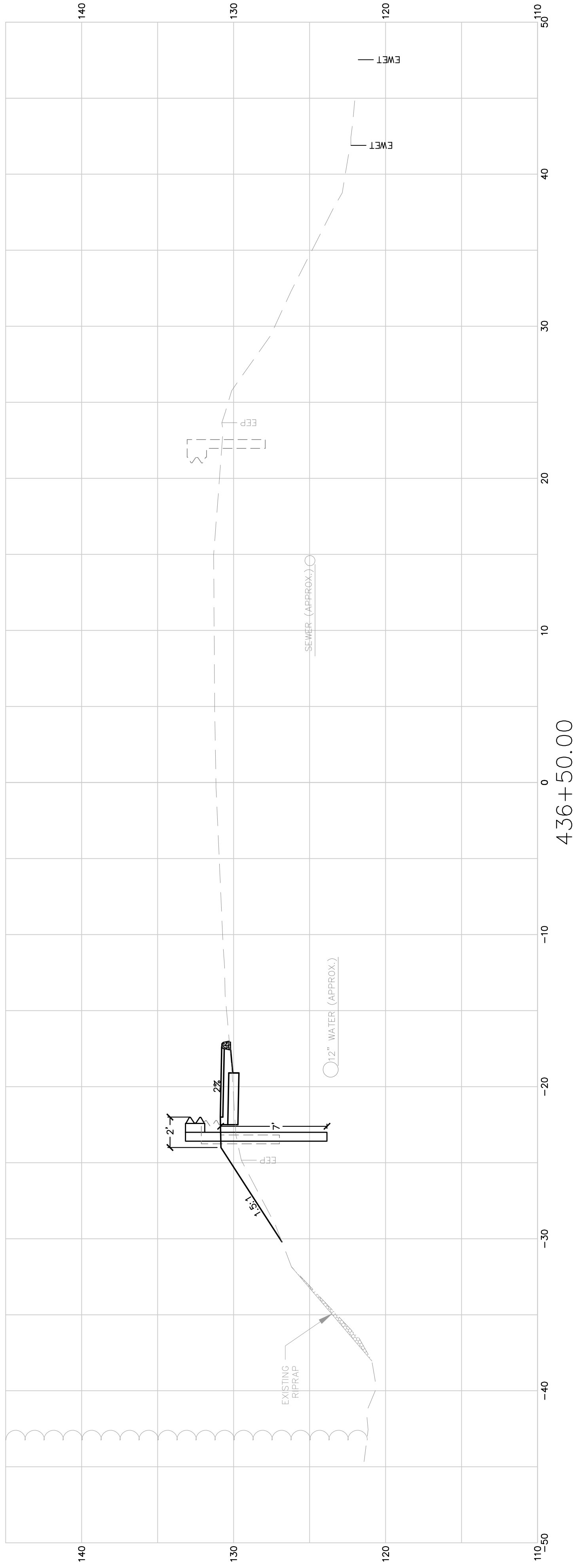
SEAL
No. 10658
P.E. NUMBER
11/1/2018
DATE

SIGNATURE

P.E. NUMBER

DATE

WIN
018884.01
HIGHWAY PLANS



TOWN OF ORRINGTON
ROUTE 15

435+00.00 CROSS SECTIONS 436+50.00

SHEET NUMBER

10

OF 55

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN2-DETAILED2

DESIGN3-DETAILED3

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

BY

BCH

-

-

-

-

-

-

-

-

DATE

07/24/18

-

-

-

-

-

-

-

-

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PROFESSIONAL ENGINEER
No. 10658
JAMES A. BRETHERTON

SIGNATURE

P.E. NUMBER

10658

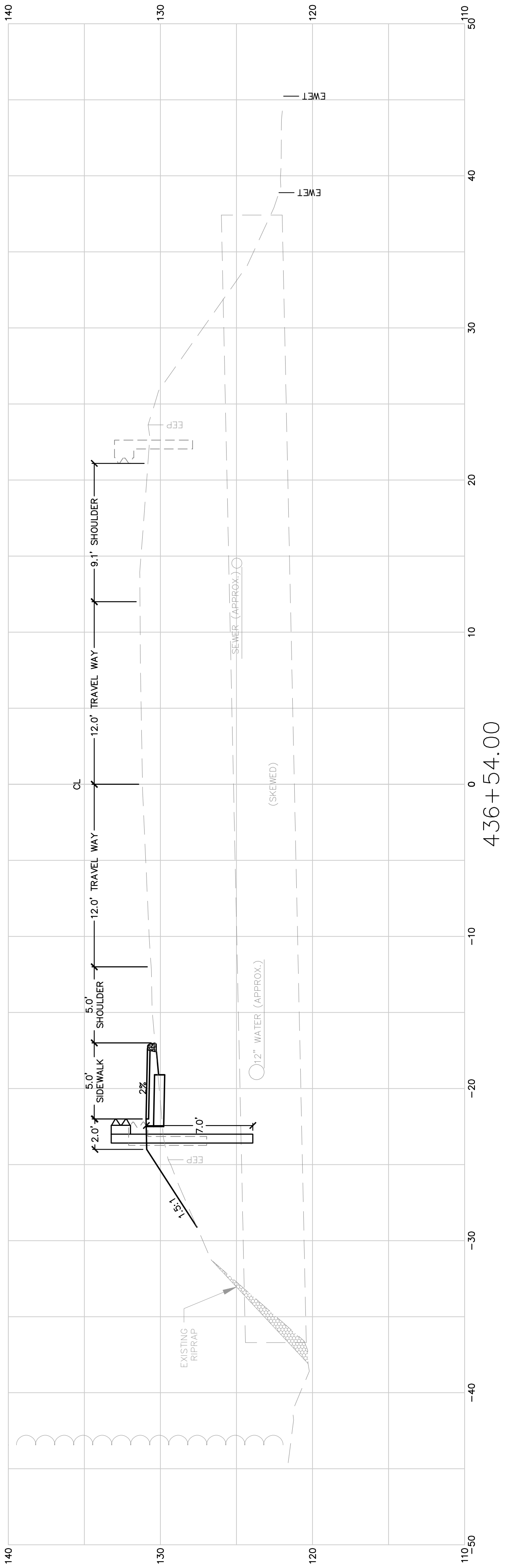
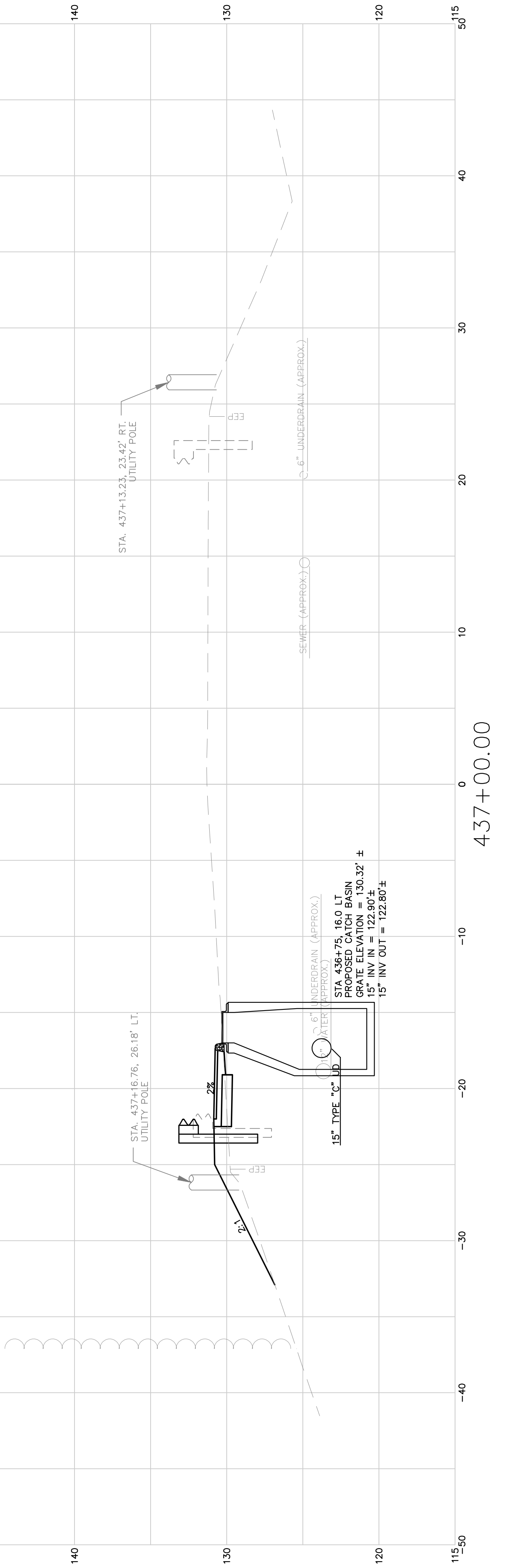
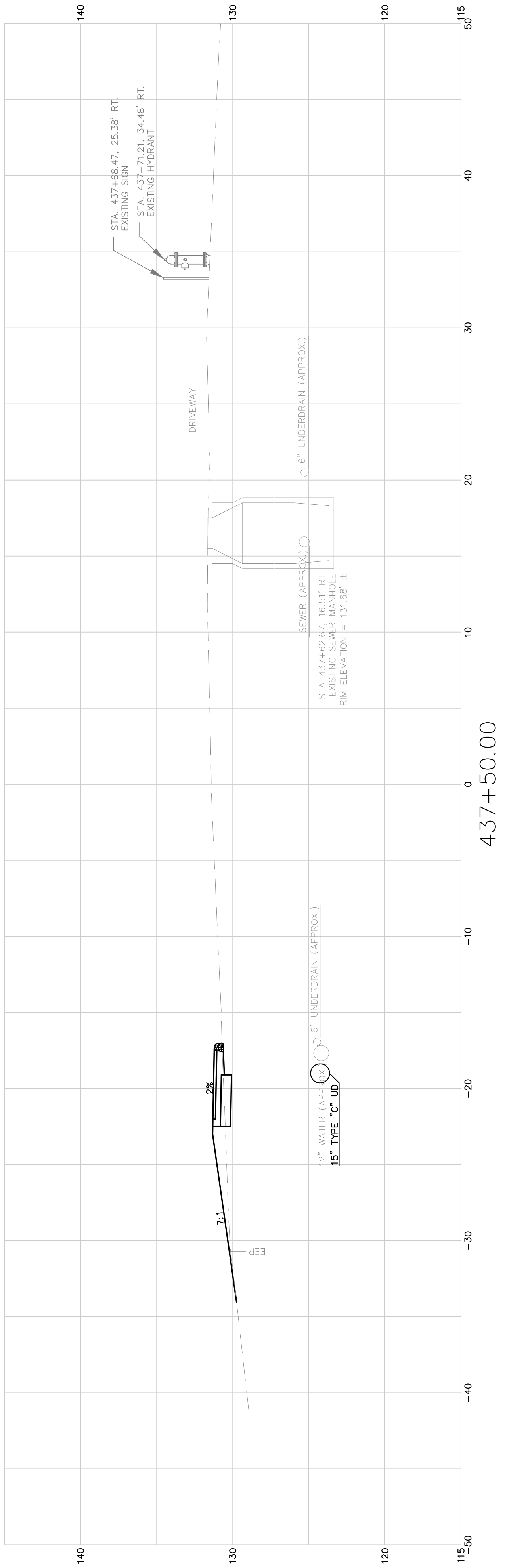
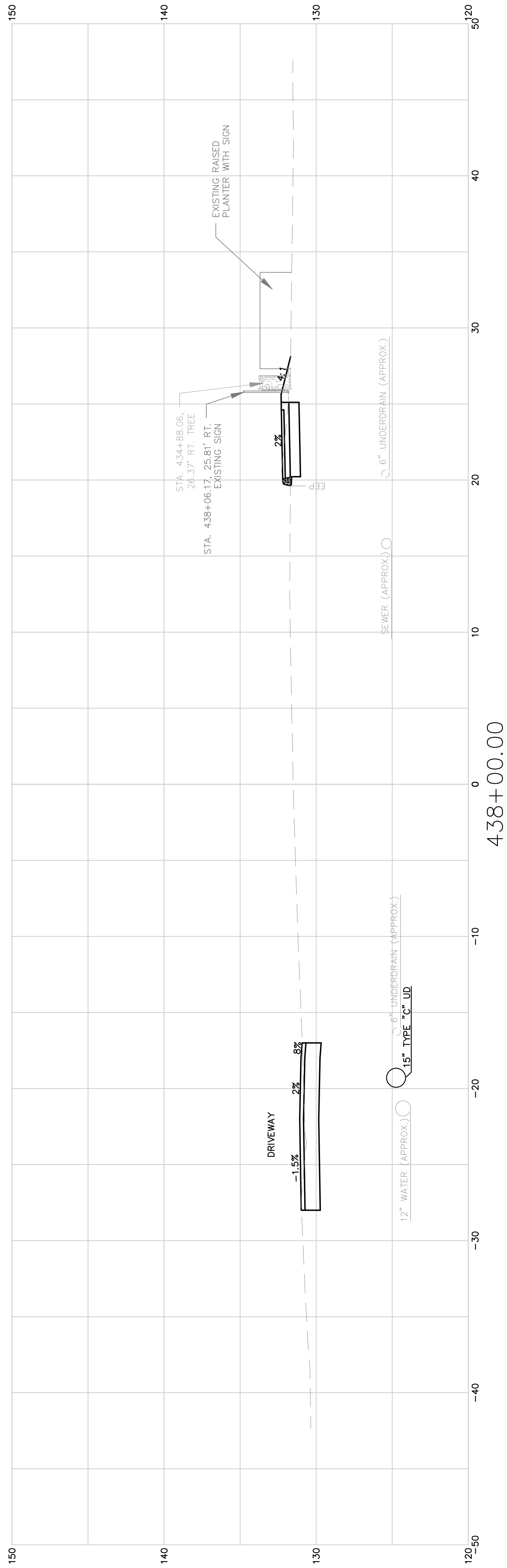
DATE

11/1/2018

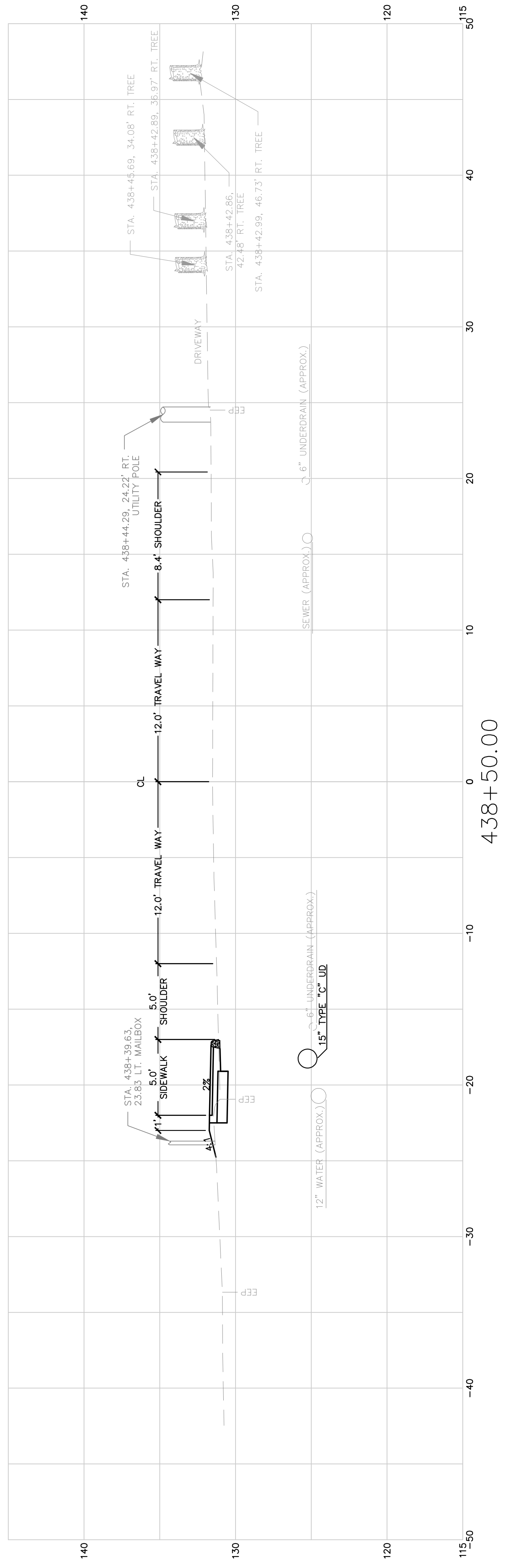
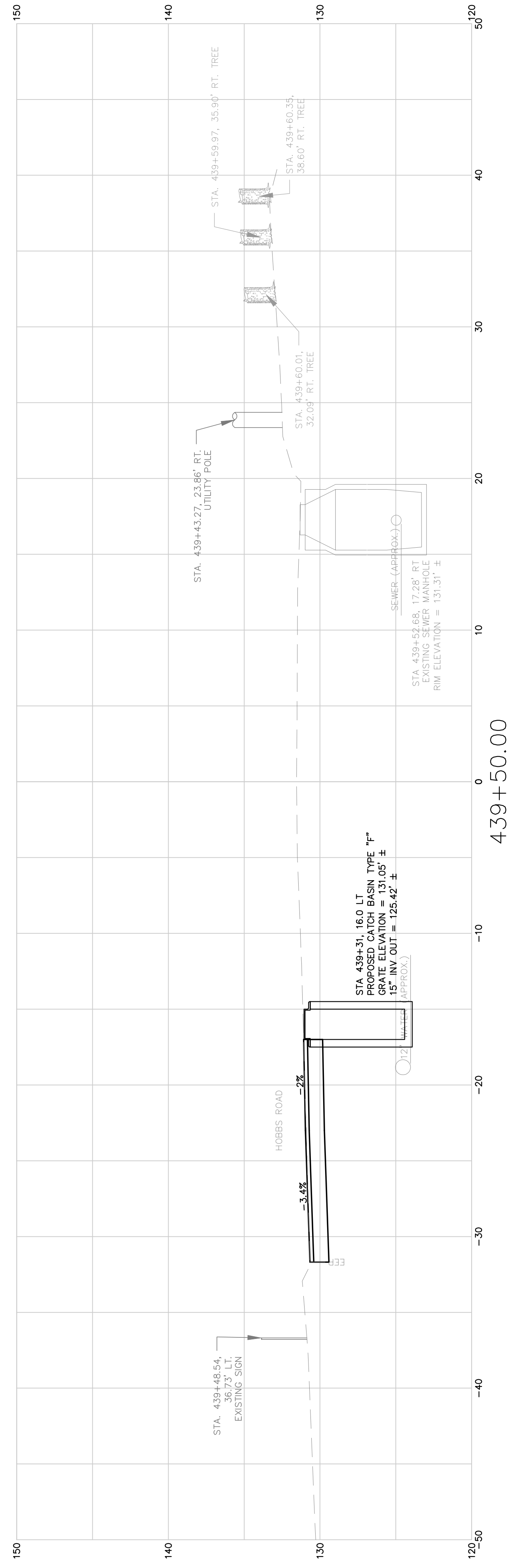
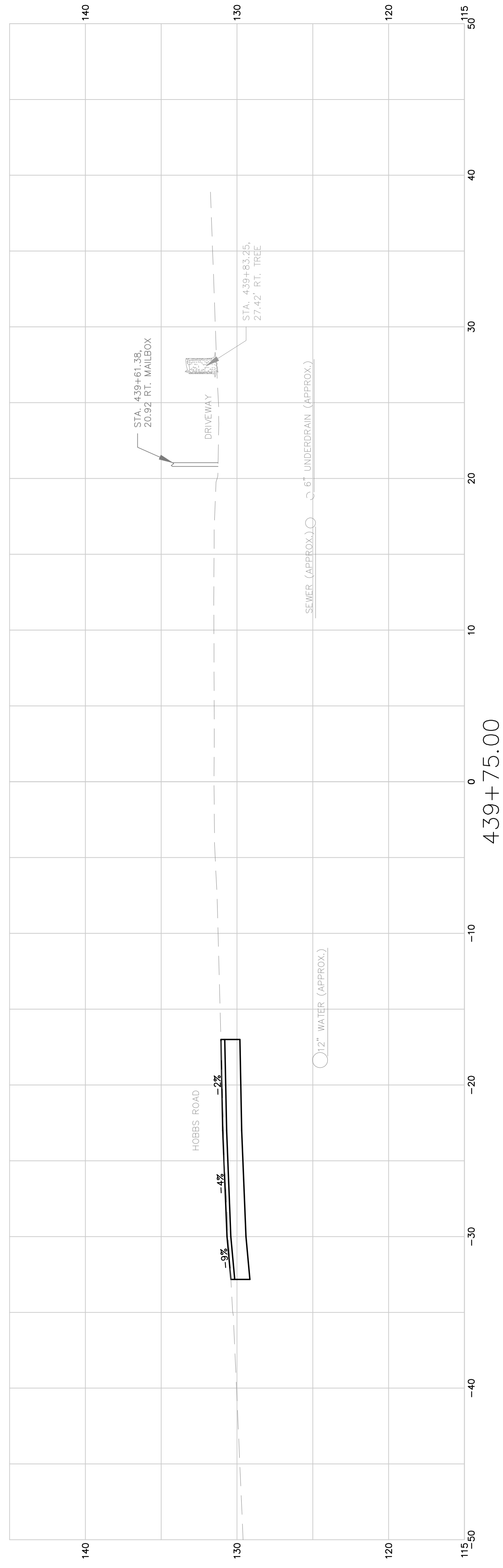
WIN

018884.01

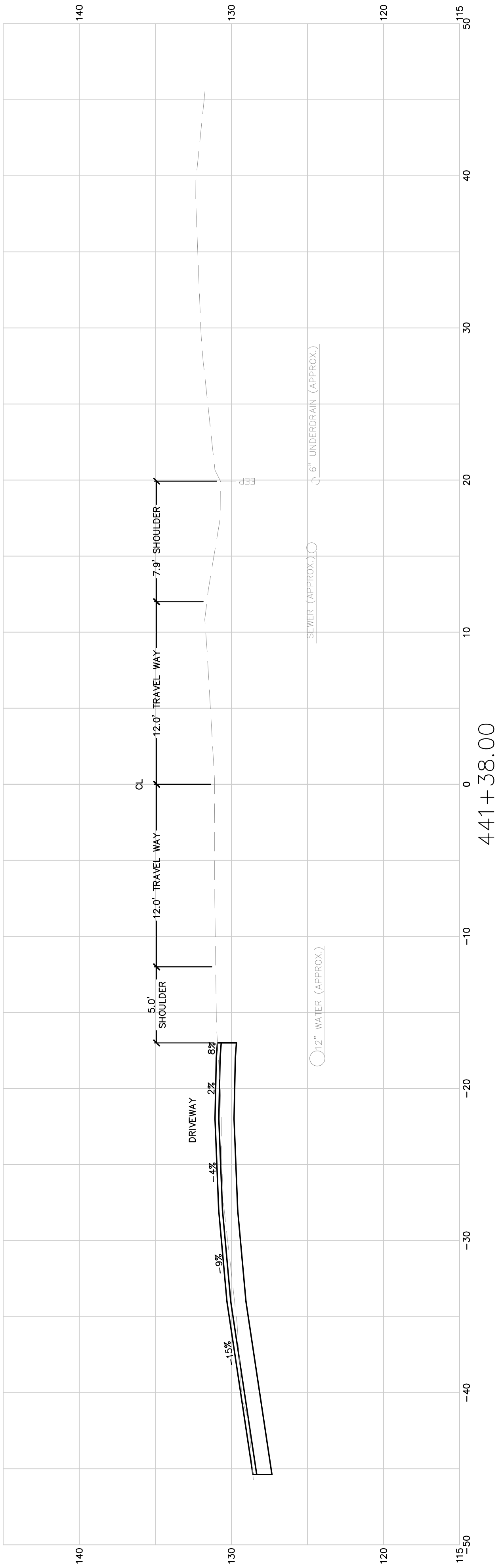
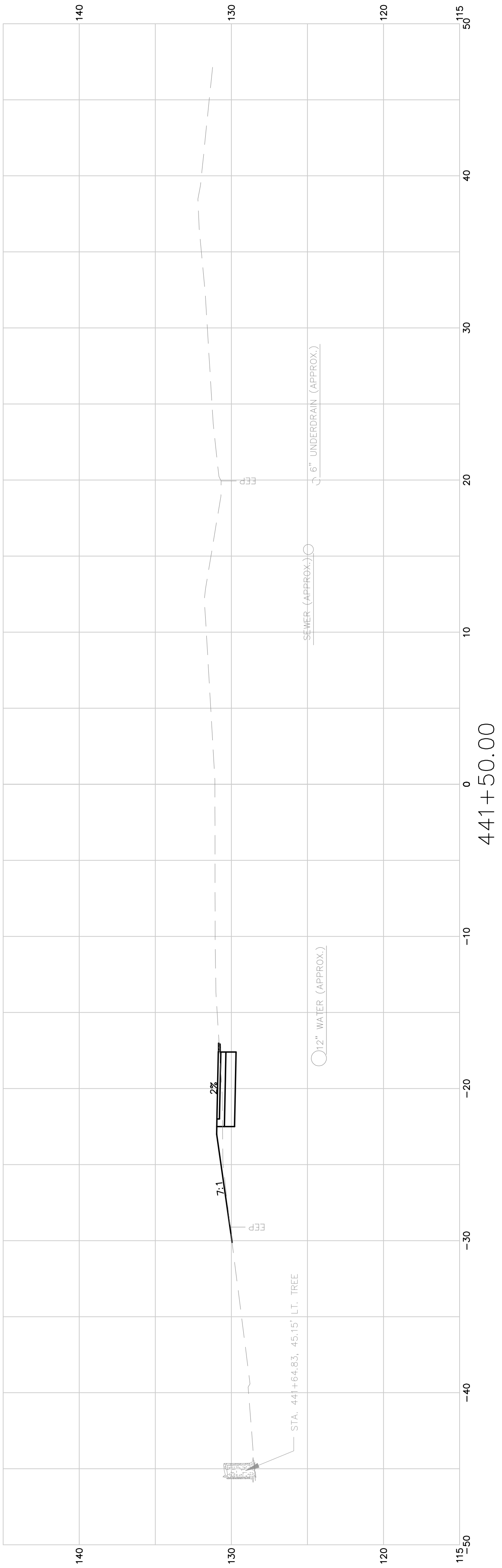
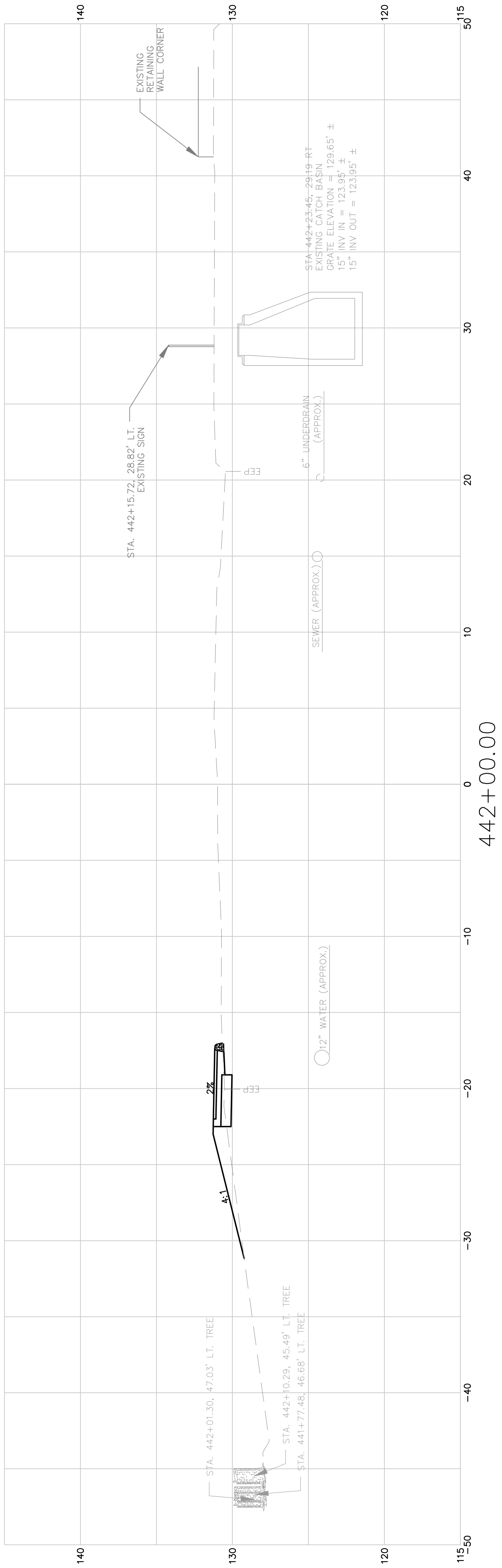
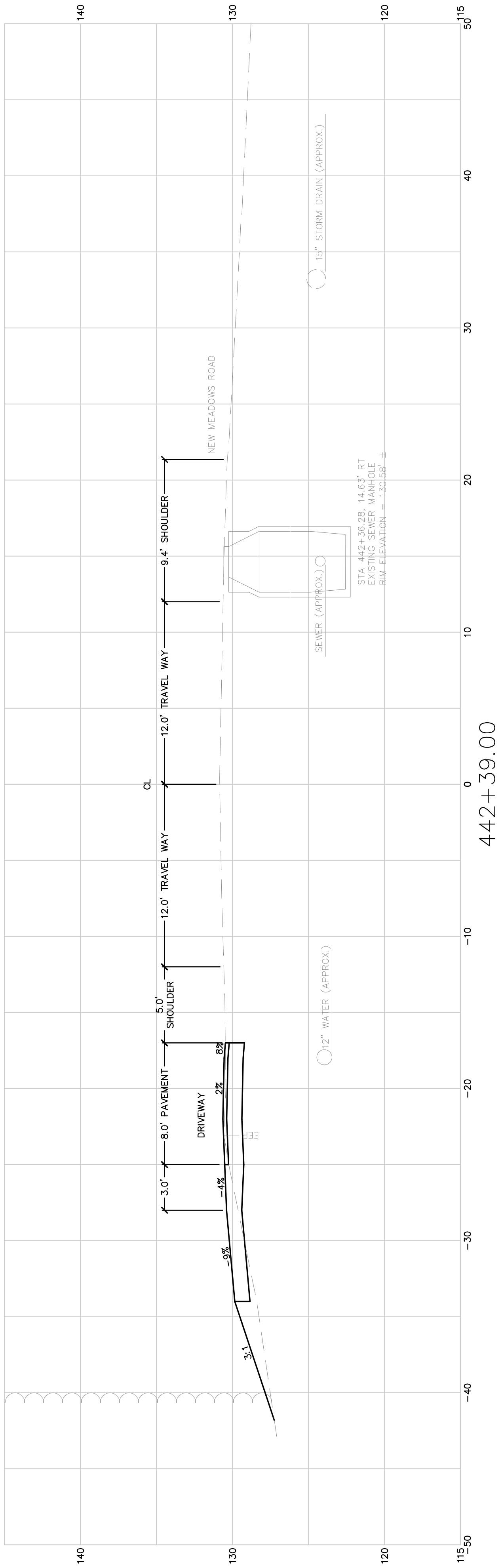
HIGHWAY PLANS

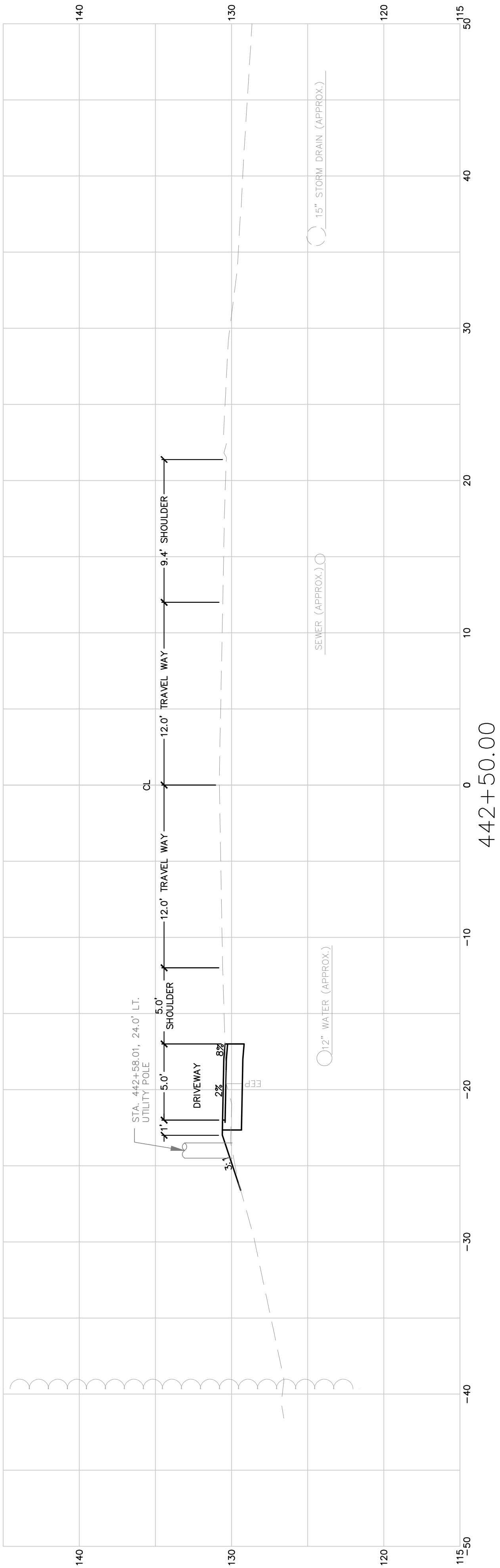
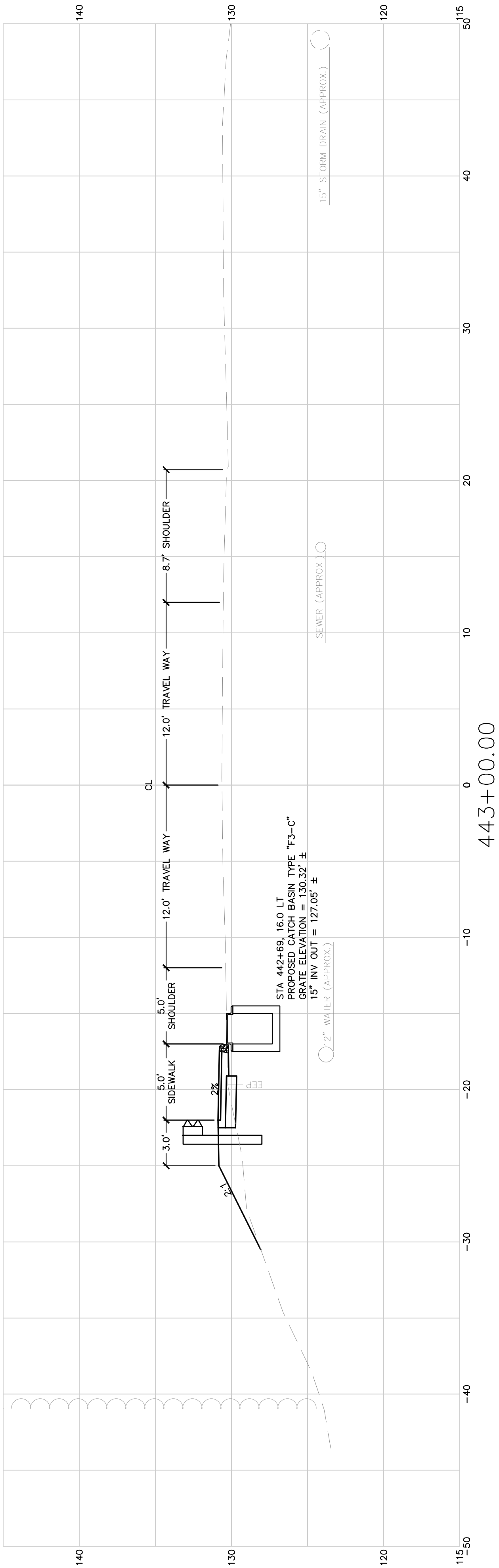
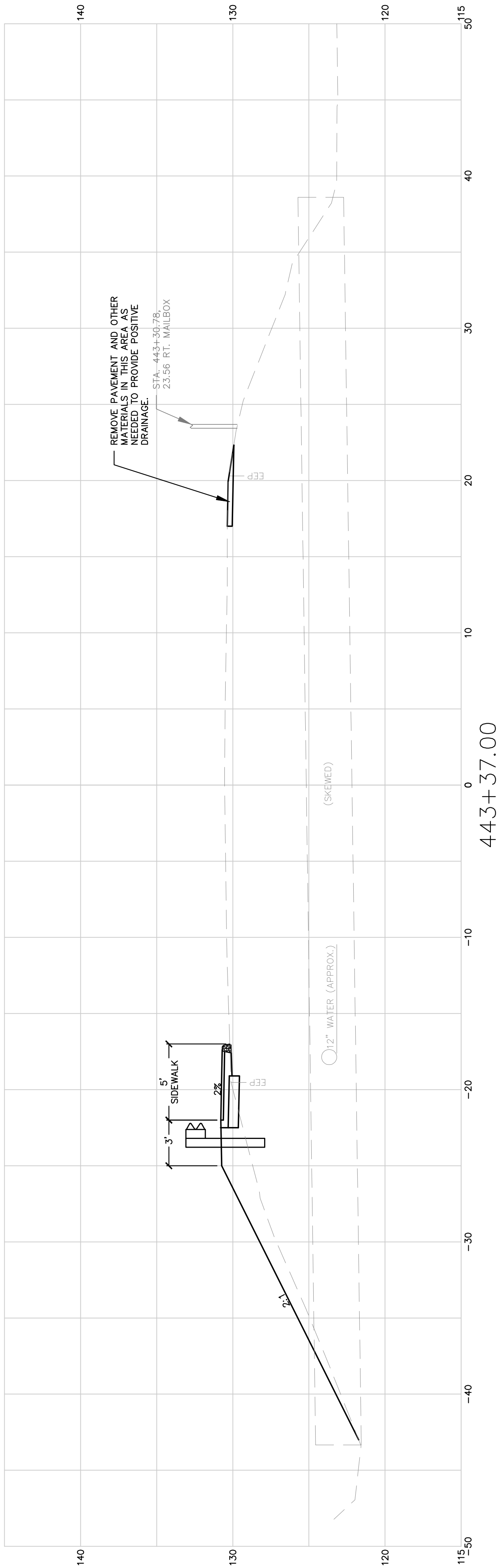
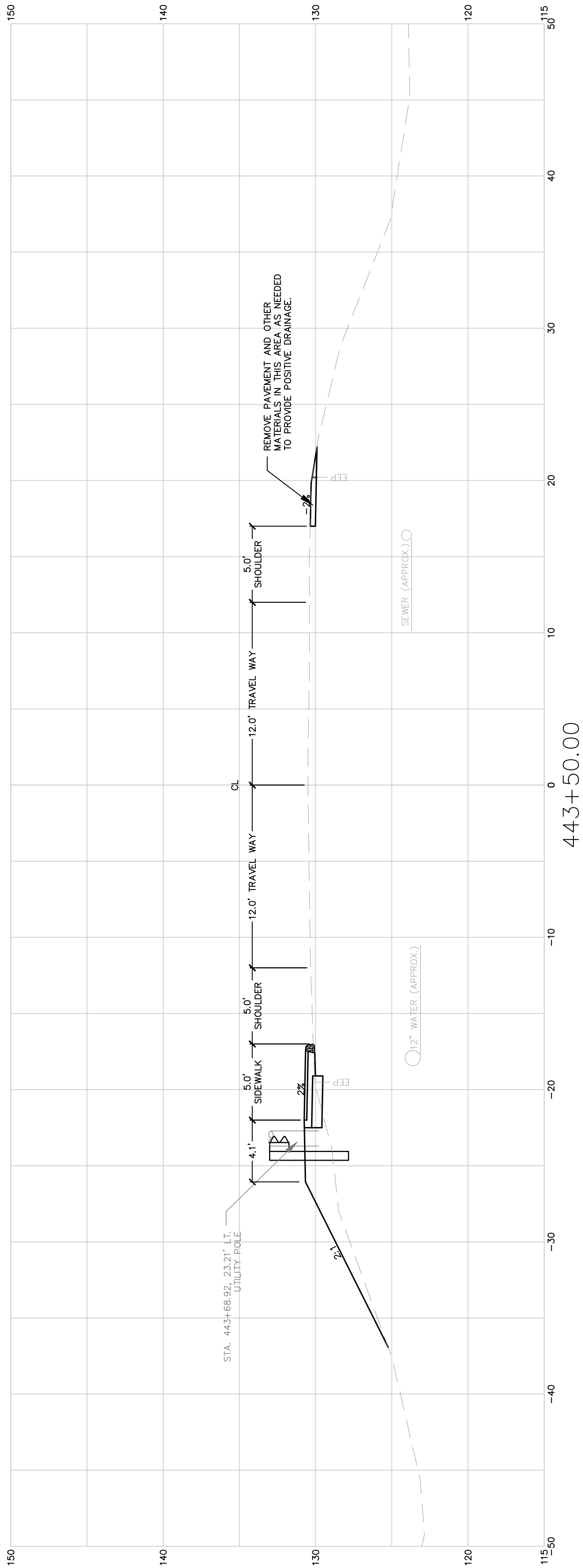


TOWN OF ORRINGTON ROUTE 15		PROJ. MANAGER		BY		DATE		SIGNATURE	
SHEET NUMBER 20 OF 55		DESIGN-DETAILED	BOH	07/24/18		SIGNATURE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		CHECKED-REVIEWED	-	-		-			
		DESIGN2-DETAILED2	-	-		-			
		DESIGN3-DETAILED3	-	-		-			
436+54.00 CROSS SECTIONS 438+00.00		REVISIONS 1	-	-		-		WIN 018884.01 HIGHWAY PLANS	
		REVISIONS 2	-	-		-			
		REVISIONS 3	-	-		-			
		REVISIONS 4	-	-		-			
FIELD CHANGES		-		-		-		-	



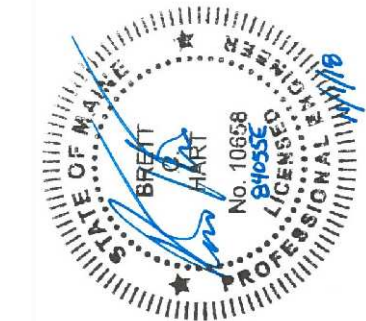
21		SHEET NUMBER		TOWN OF ORRINGTON ROUTE 15		PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES		BY BCH - - - - - - - - -		DATE 07/24/18 - - - - - - - - -				STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
438+50.00		CROSS SECTIONS		439+75.00								WIN 018884.01		HIGHWAY PLAN	
OF 55															





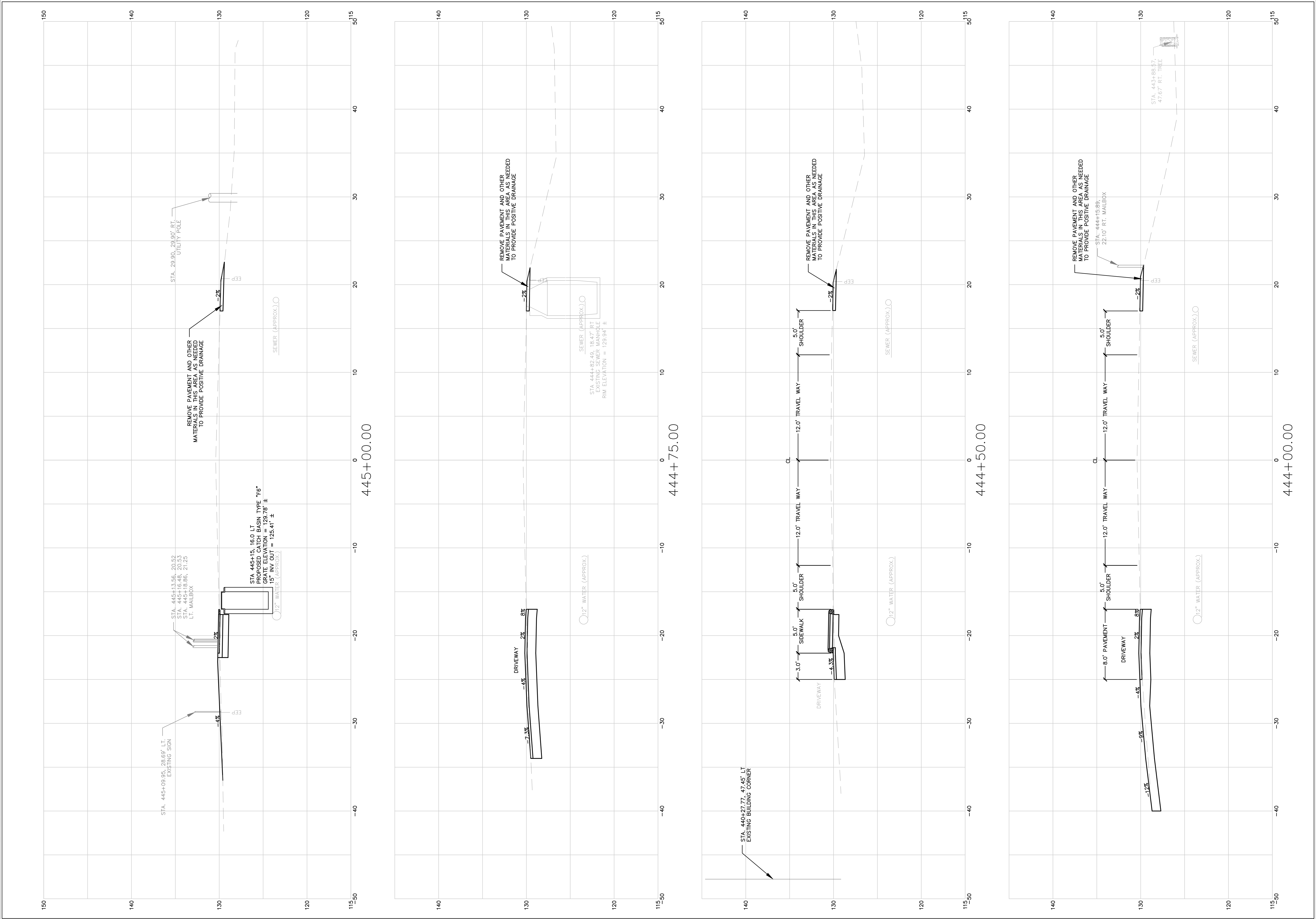
TOWN OF ORRINGTON
ROUTE 15

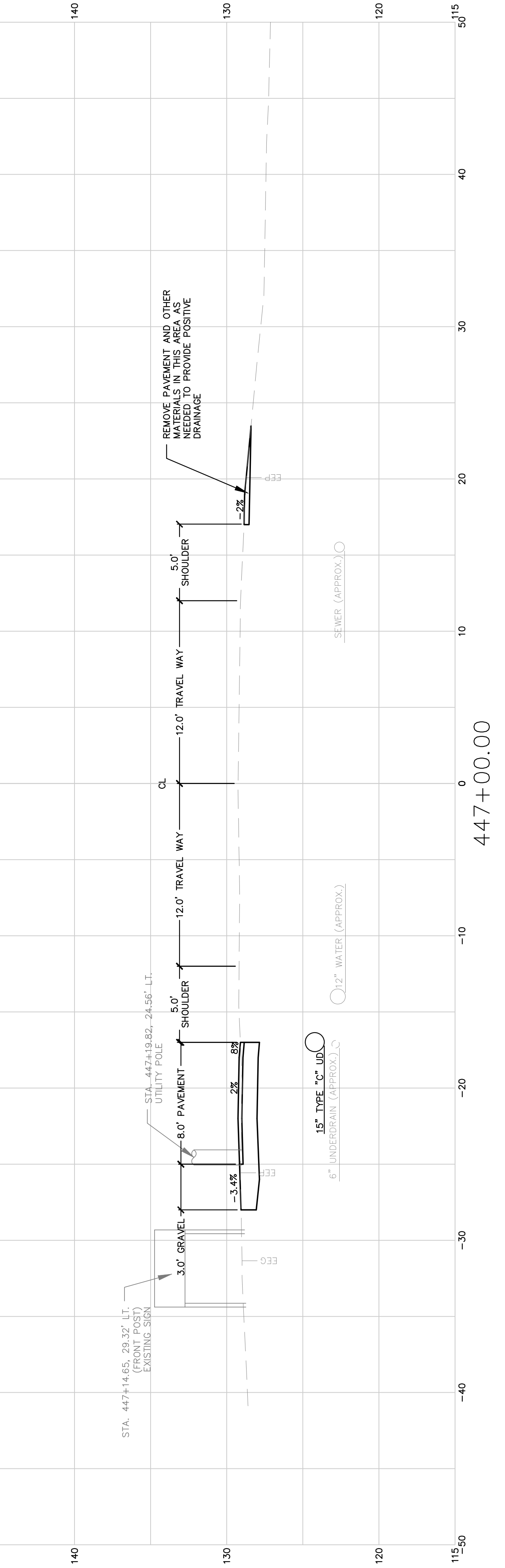
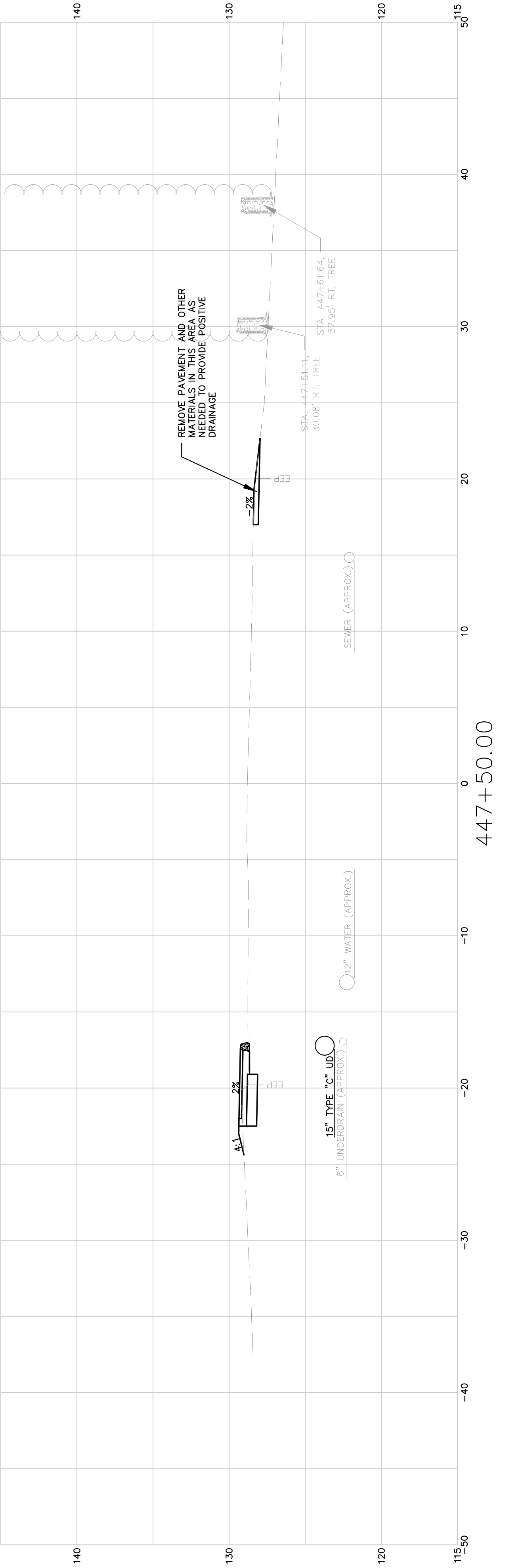
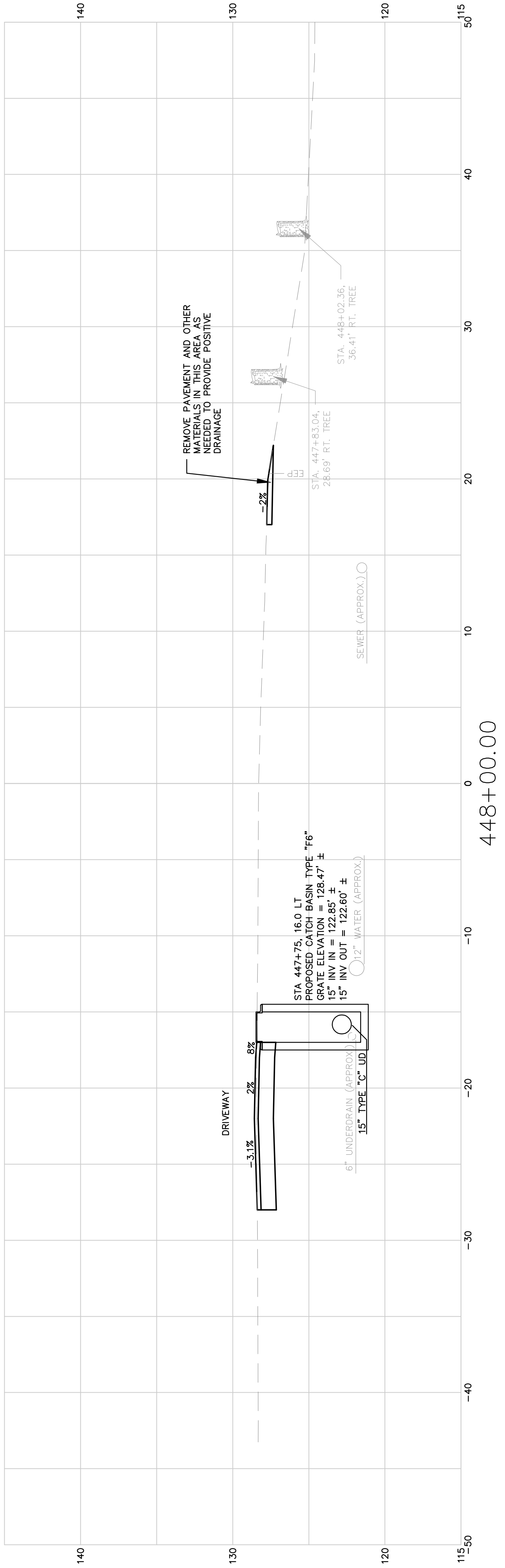
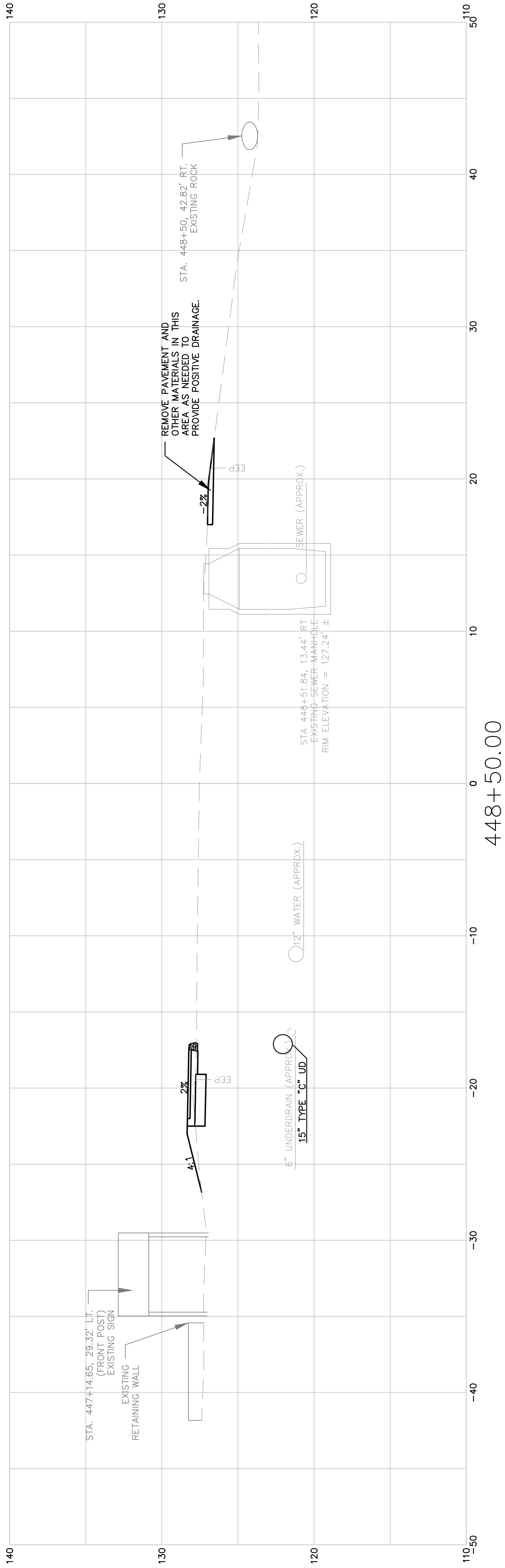
442+50.00 CROSS SECTIONS 443+50.00



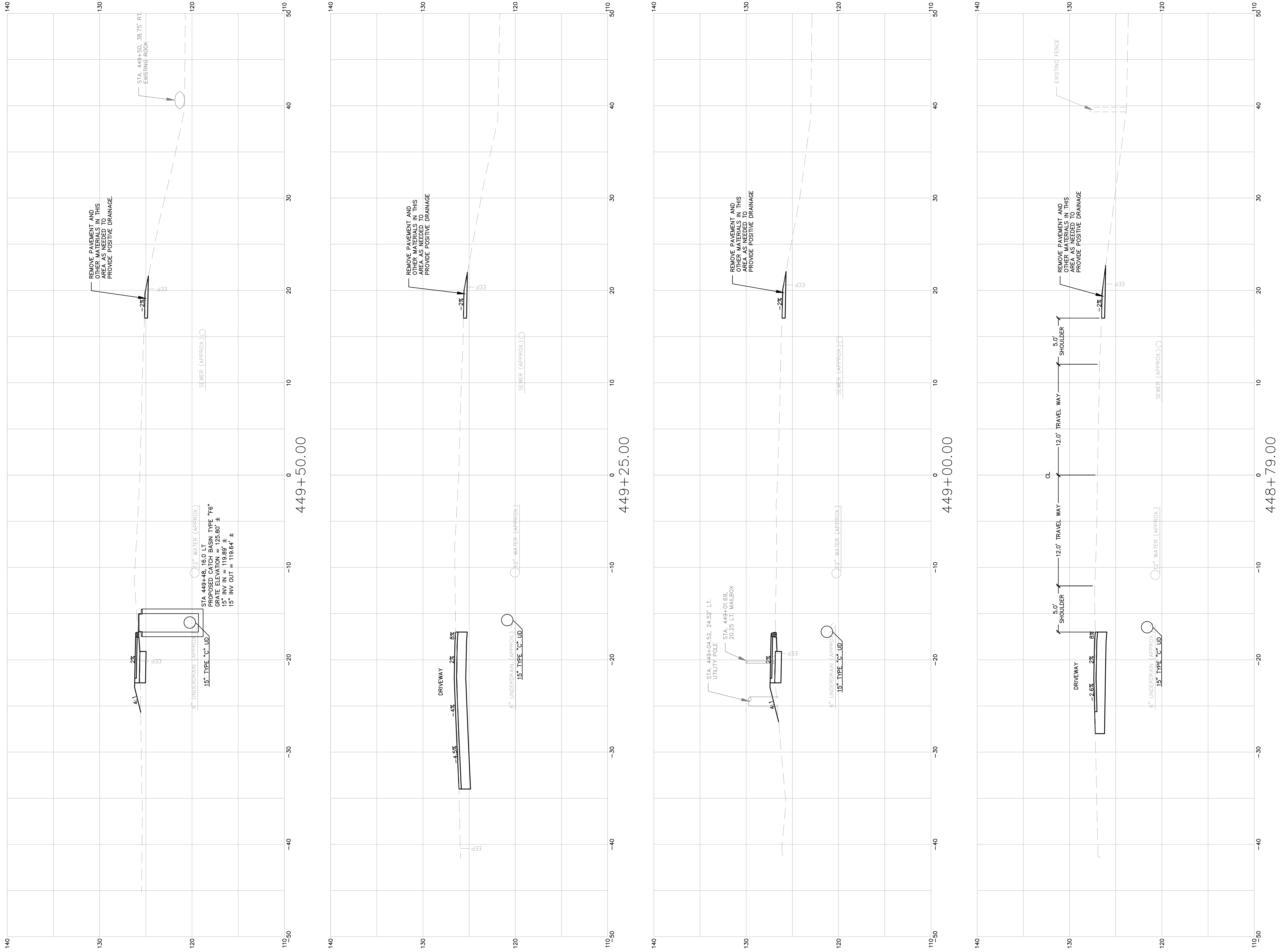
PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	BCH	07/24/18
CHECKED-REVIEWED	-	-
DESIGN2-DETAILED2	-	-
DESIGN3-DETAILED3	-	-
REVISIONS 1	-	-
REVISIONS 2	-	-
REVISIONS 3	-	-
REVISIONS 4	-	-
FIELD CHANGES	-	-

SIGNATURE	DATE
10658	11/1/2018
P.E. NUMBER	DATE





SHEET NUMBER	TOWN OF ORRINGTON ROUTE 15										STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
	447+00.00 CROSS SECTIONS 448+50.00											
	27										WIN 018884.01	
OF 55											HIGHWAY PLANS	

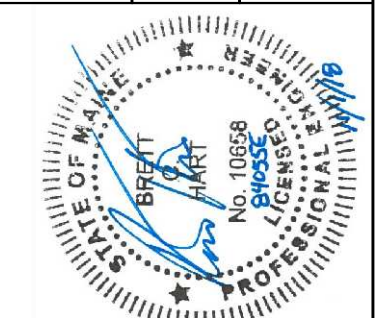


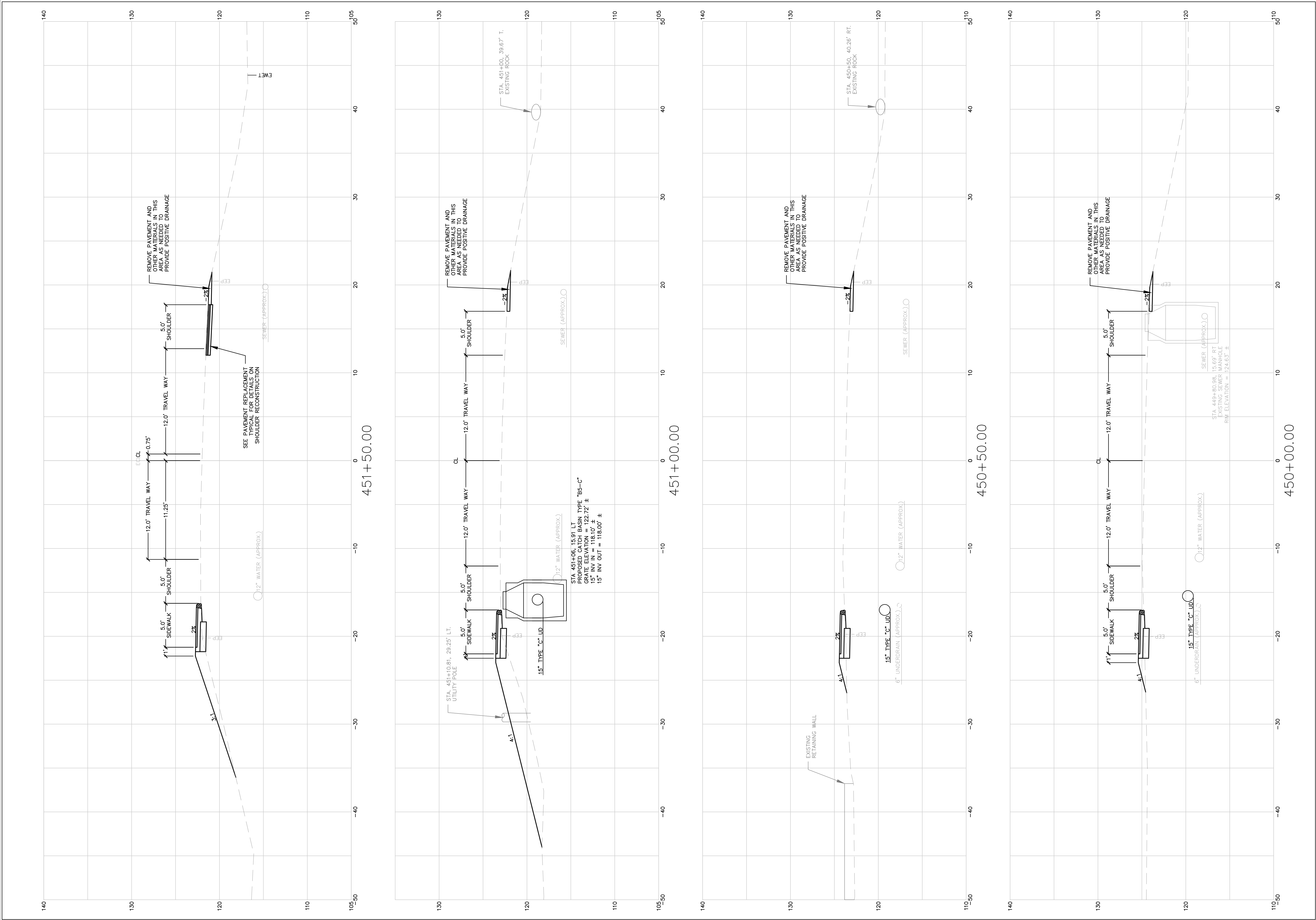
TOWN OF ORRINGTON
ROUTE 15

448+79.00 CROSS SECTIONS 449+50.00

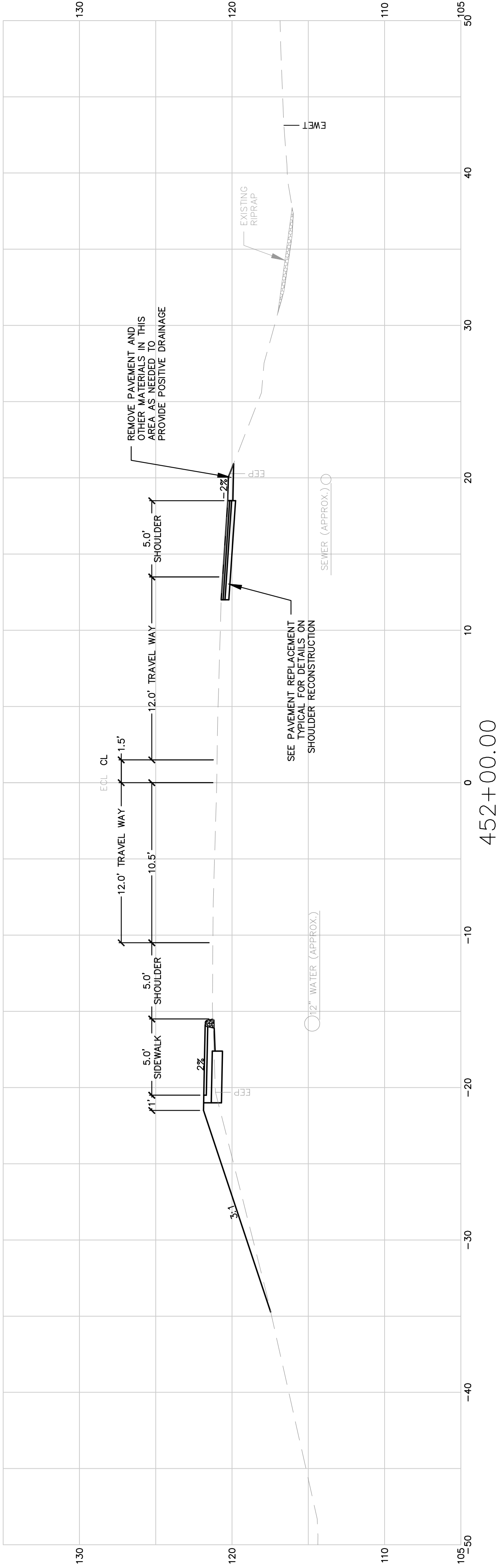
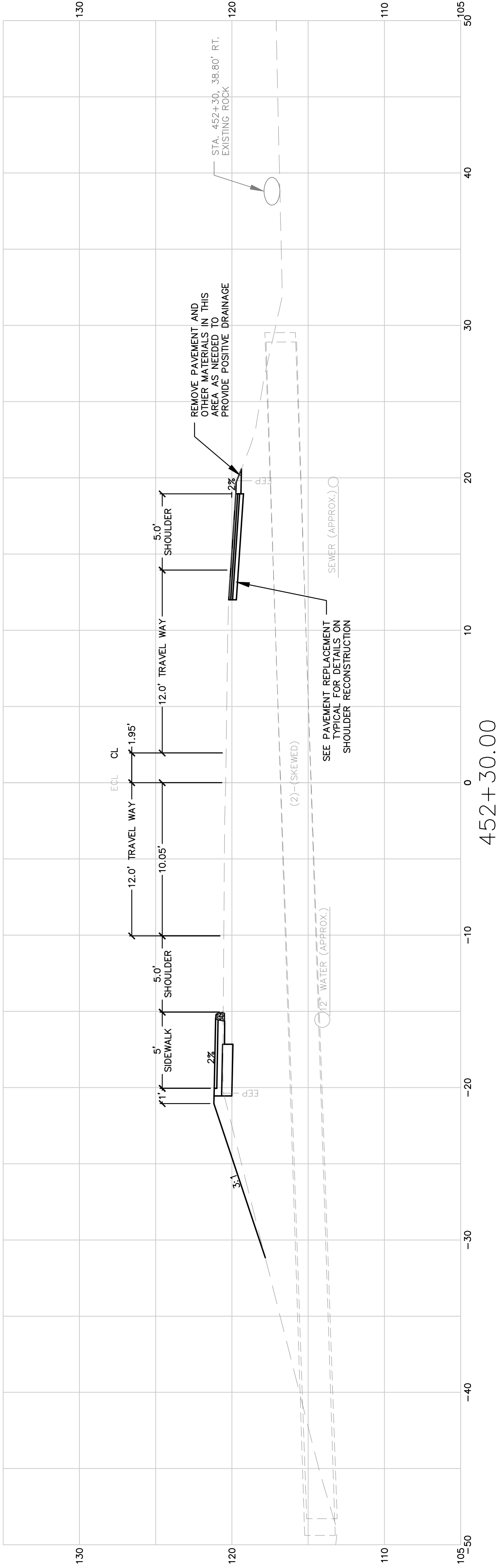
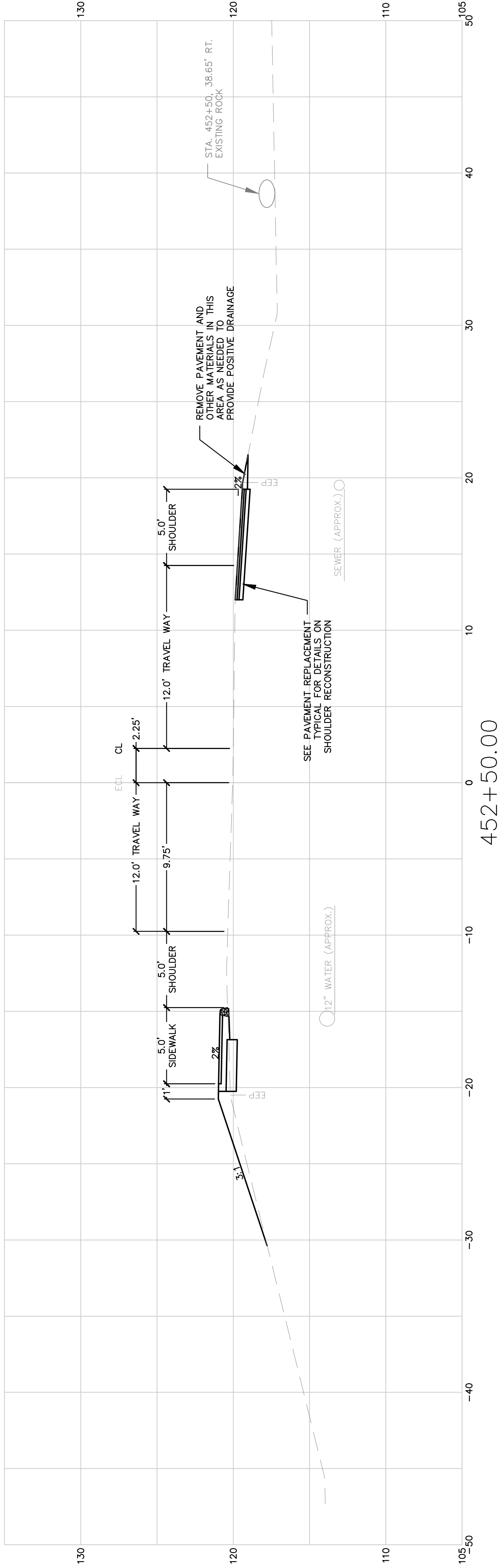
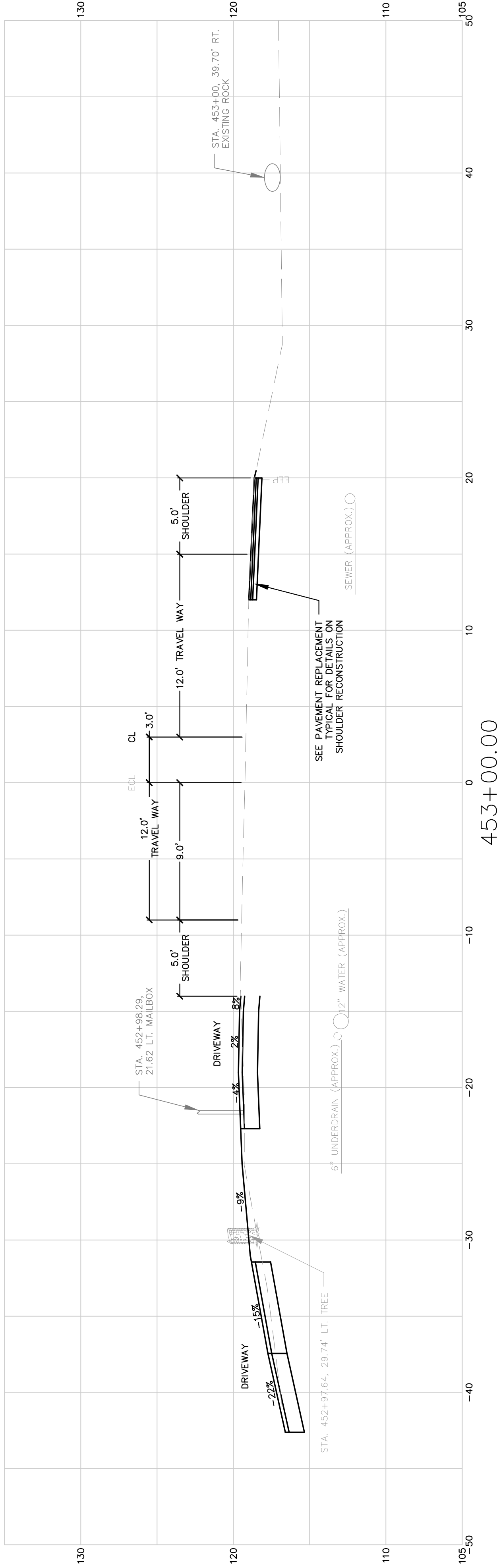
PROJ. MANAGER		BY	DATE
DESIGN-DETAILED	BOH		07/24/18
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	DATE
P.E. NUMBER	
11/1/2018	
DATE	





SHEET NUMBER		29		OF 55	
TOWN OF ORRINGTON		ROUTE 15		450+00.00 CROSS SECTIONS 451+50.00	
PROJ. MANAGER		BY		DATE	
DESIGN-DETAILED		BCH		07/24/18	
CHECKED-REVIEWED		-		SIGNATURE	
DESIGN2-DETAILED2		-		10658	
DESIGN3-DETAILED3		-		P.E. NUMBER	
REVISIONS 1		-		11/1/2018	
REVISIONS 2		-		DATE	
REVISIONS 3		-		-	
REVISIONS 4		-		-	
FIELD CHANGES		-		-	
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		WIN 018884.01		HIGHWAY PLANS	

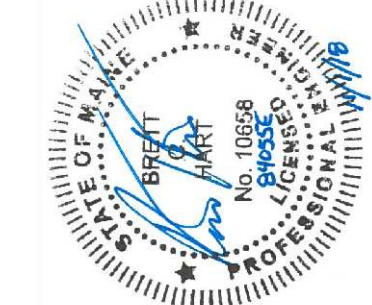


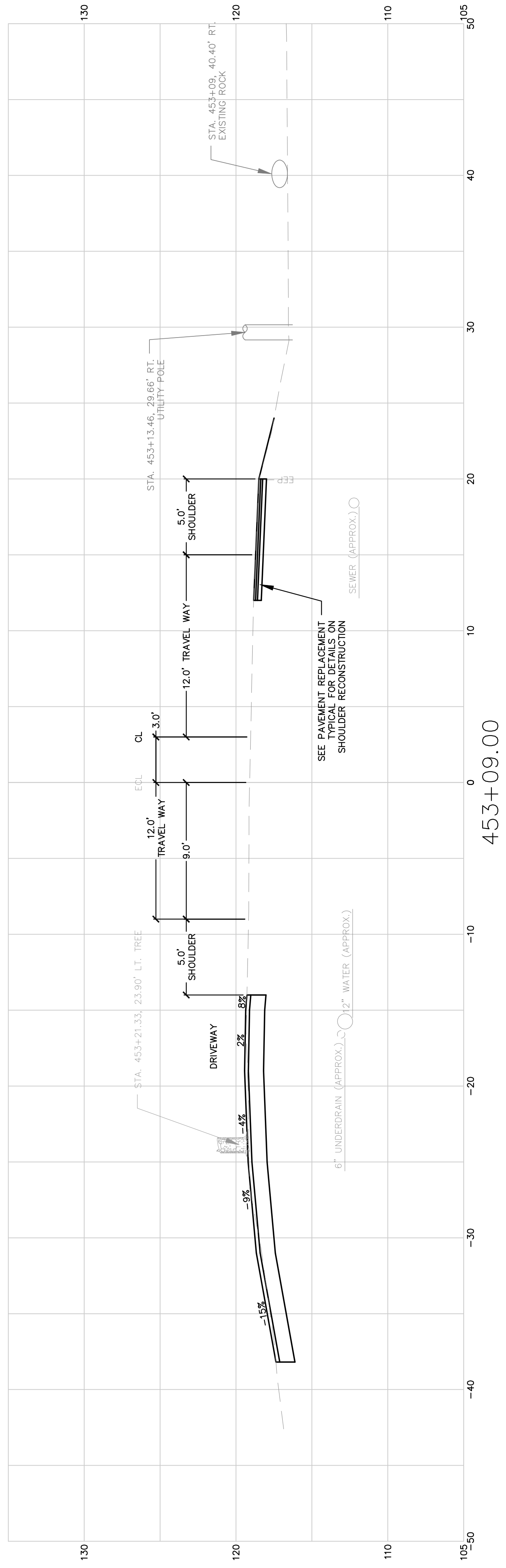
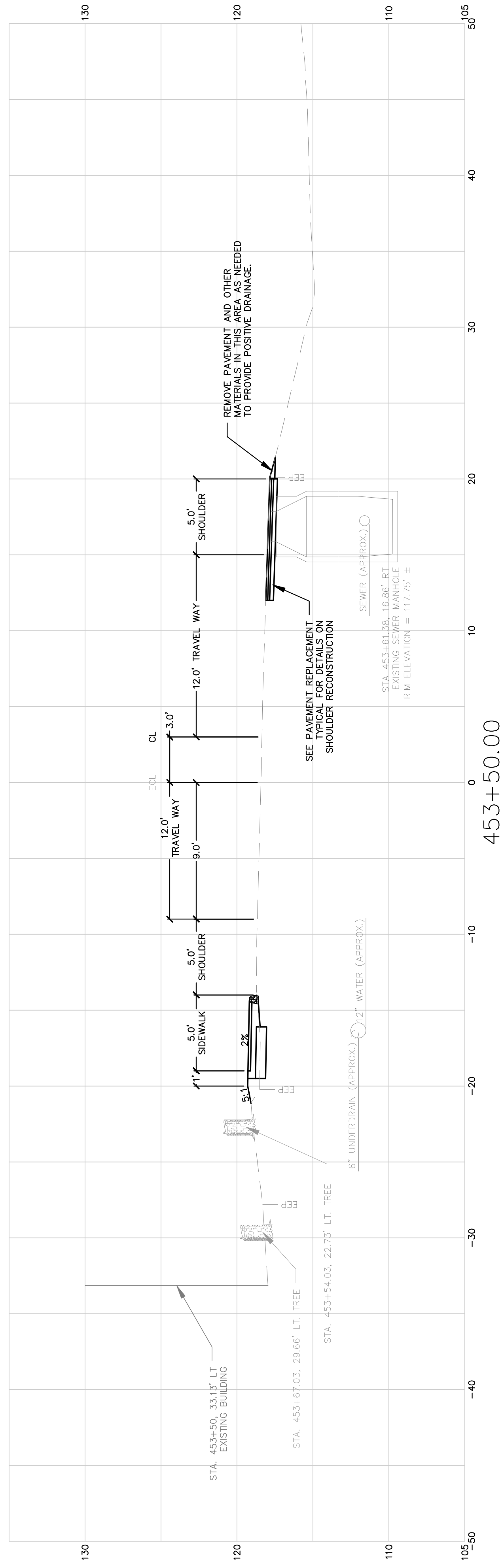
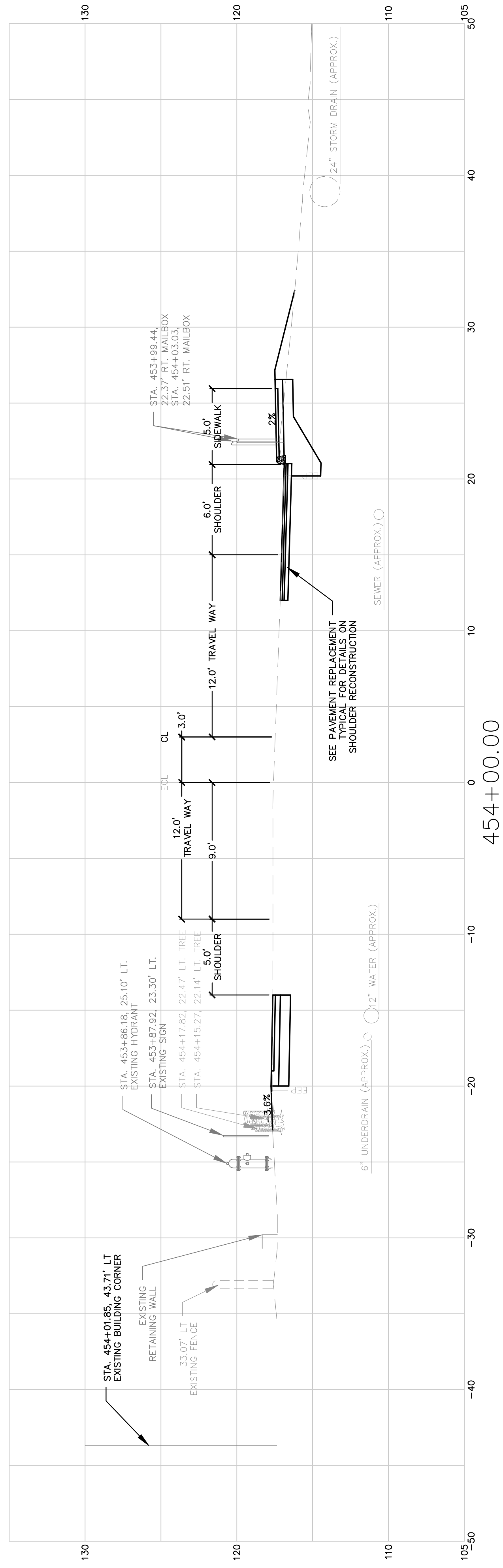
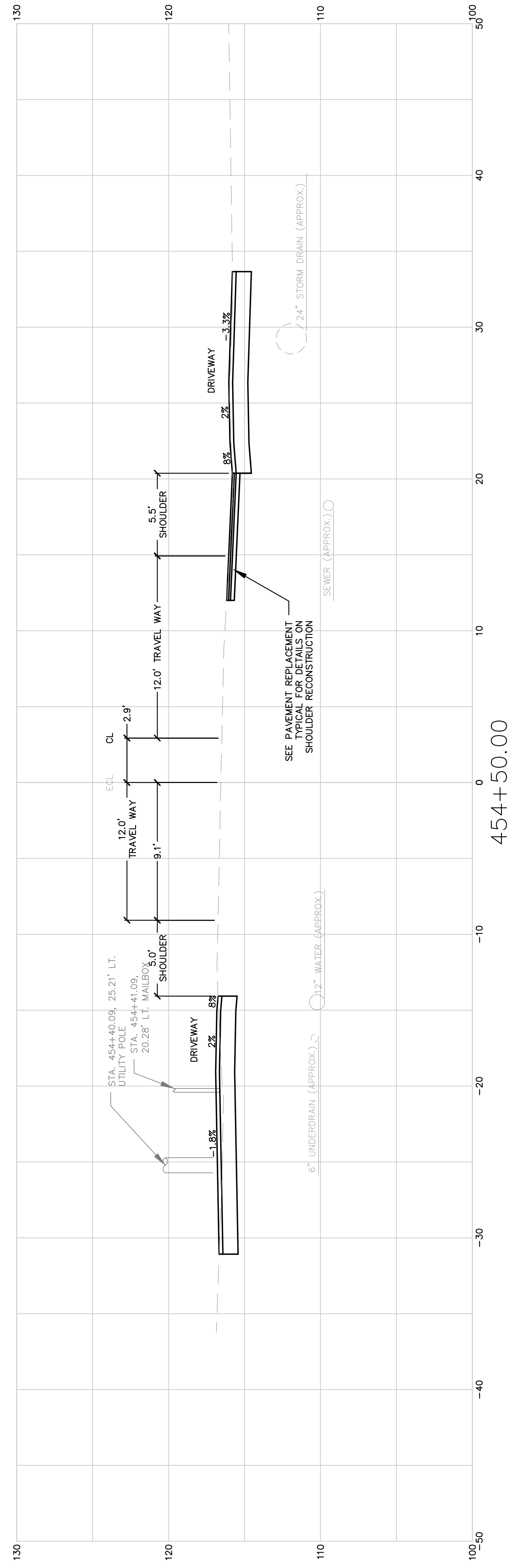
TOWN OF ORRINGTON
ROUTE 15

452+00.00 CROSS SECTIONS 453+00.00

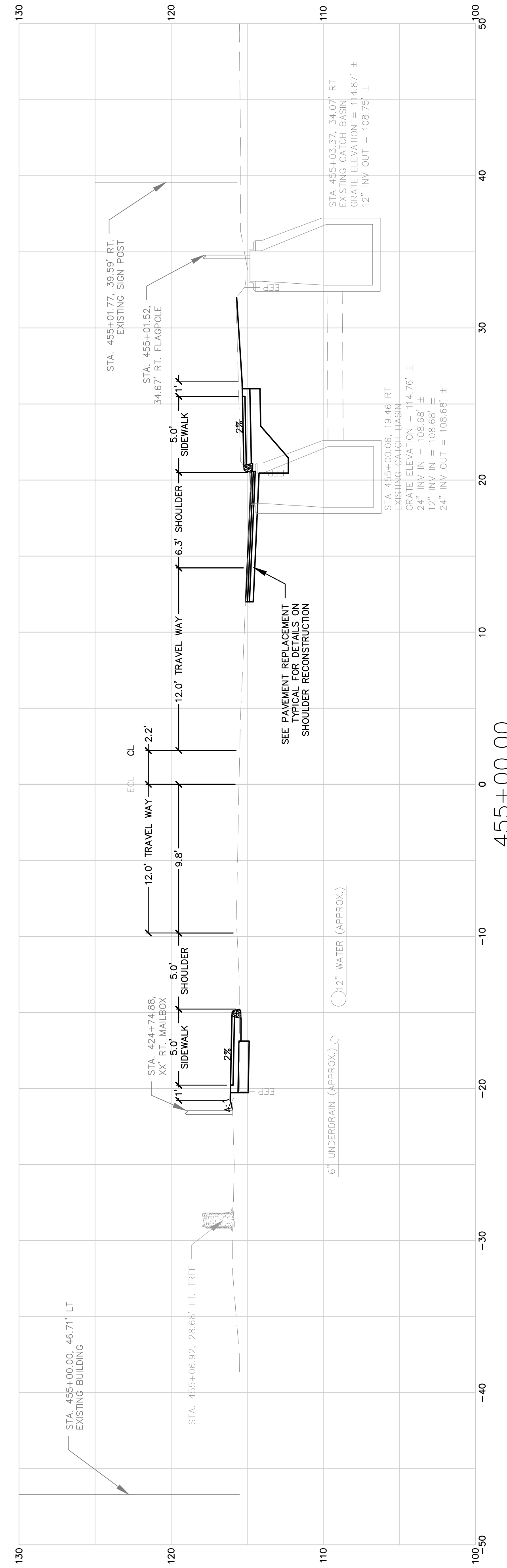
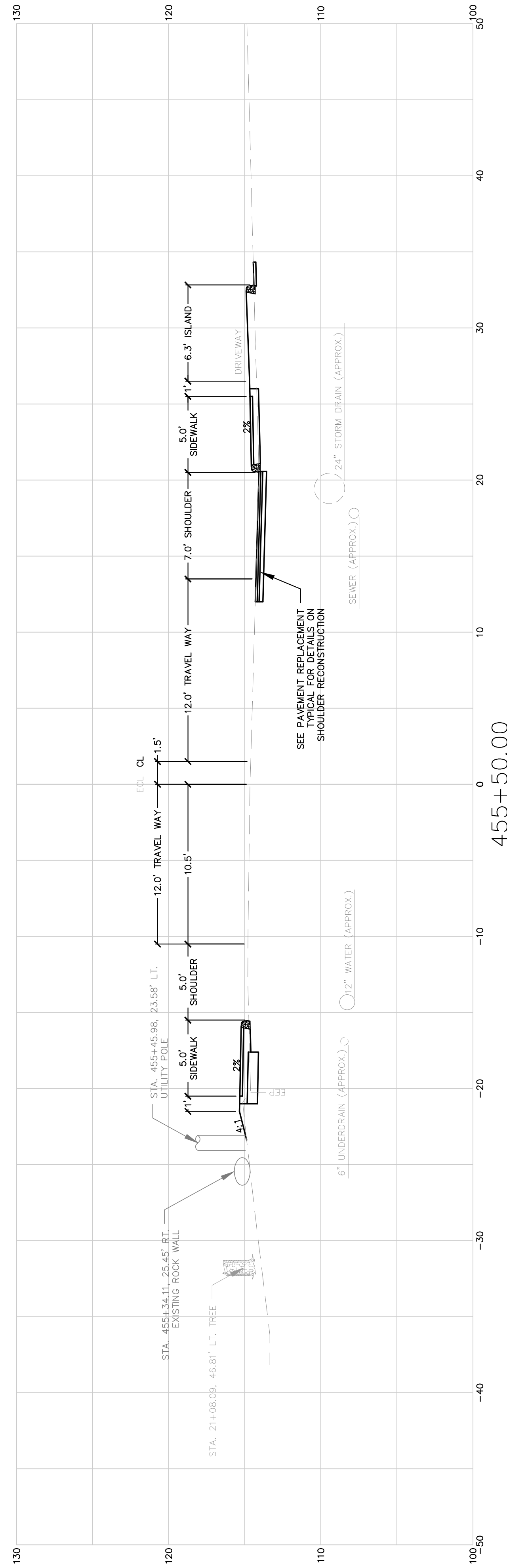
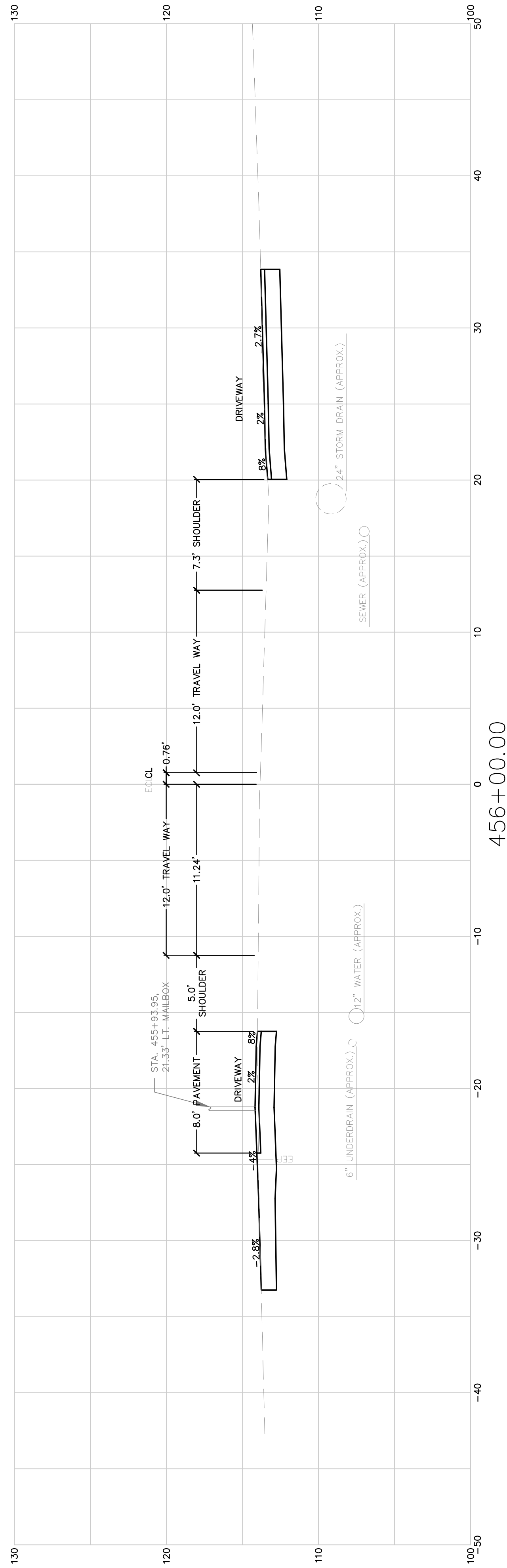
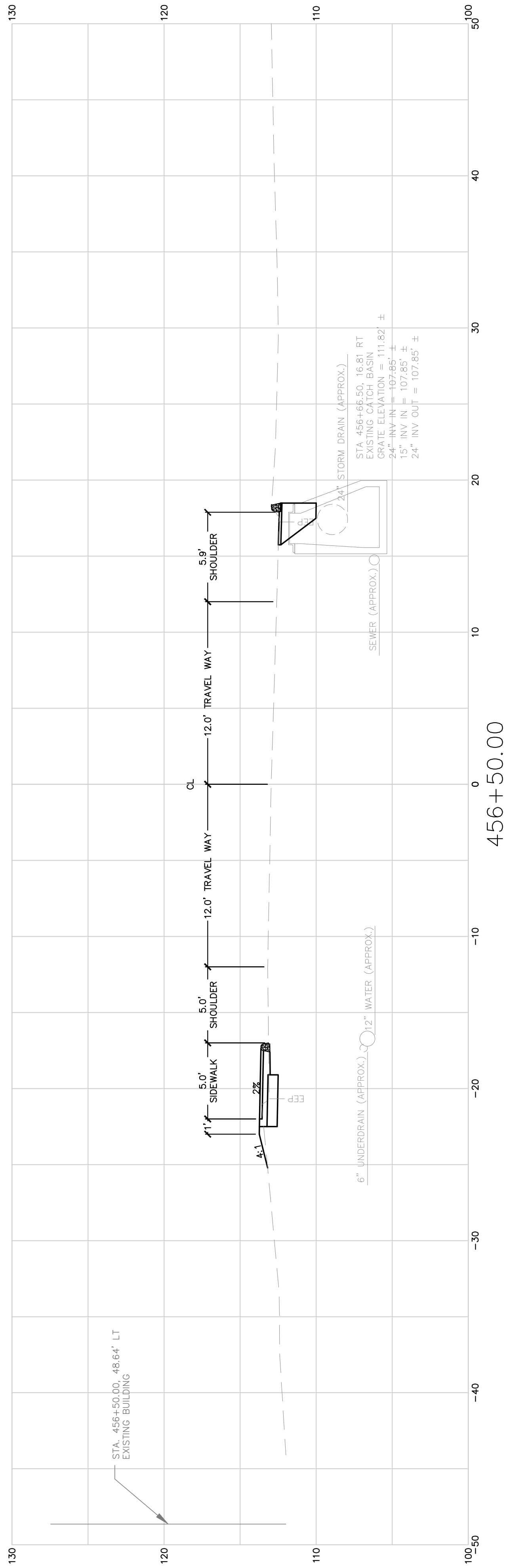
PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	BCH	07/24/18
CHECKED-REVIEWED	-	-
DESIGN2-DETAILED2	-	-
DESIGN3-DETAILED3	-	-
REVISIONS 1	-	-
REVISIONS 2	-	-
REVISIONS 3	-	-
REVISIONS 4	-	-
FIELD CHANGES	-	-

SIGNATURE
P.E. NUMBER
DATE

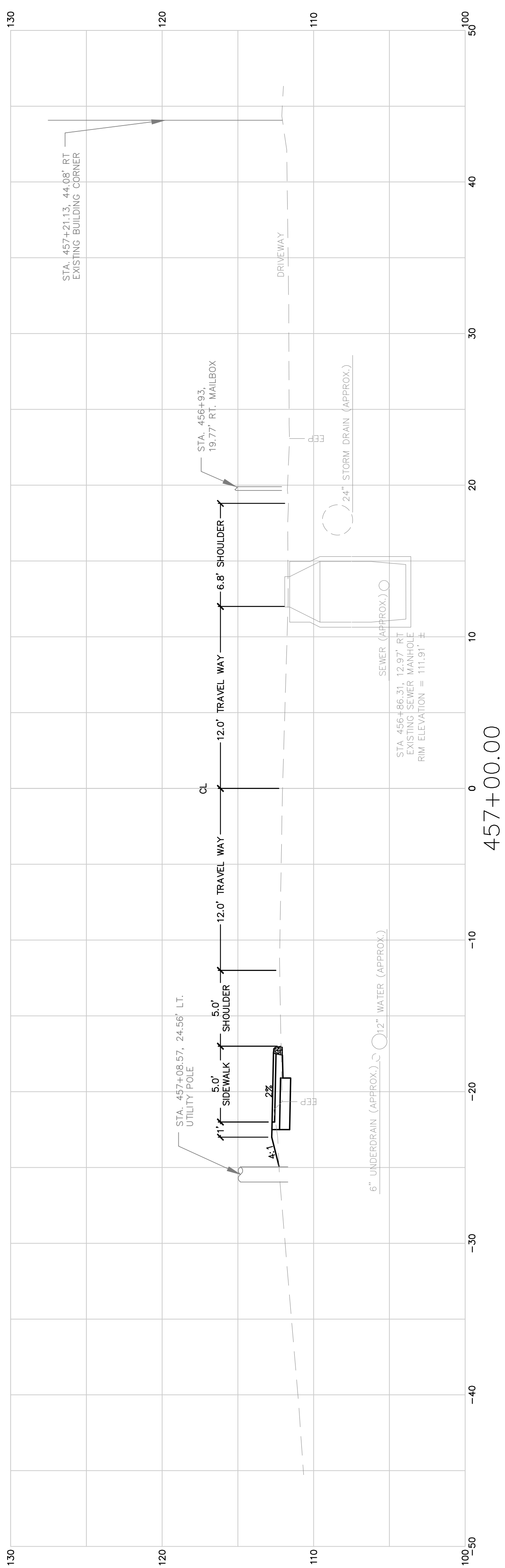
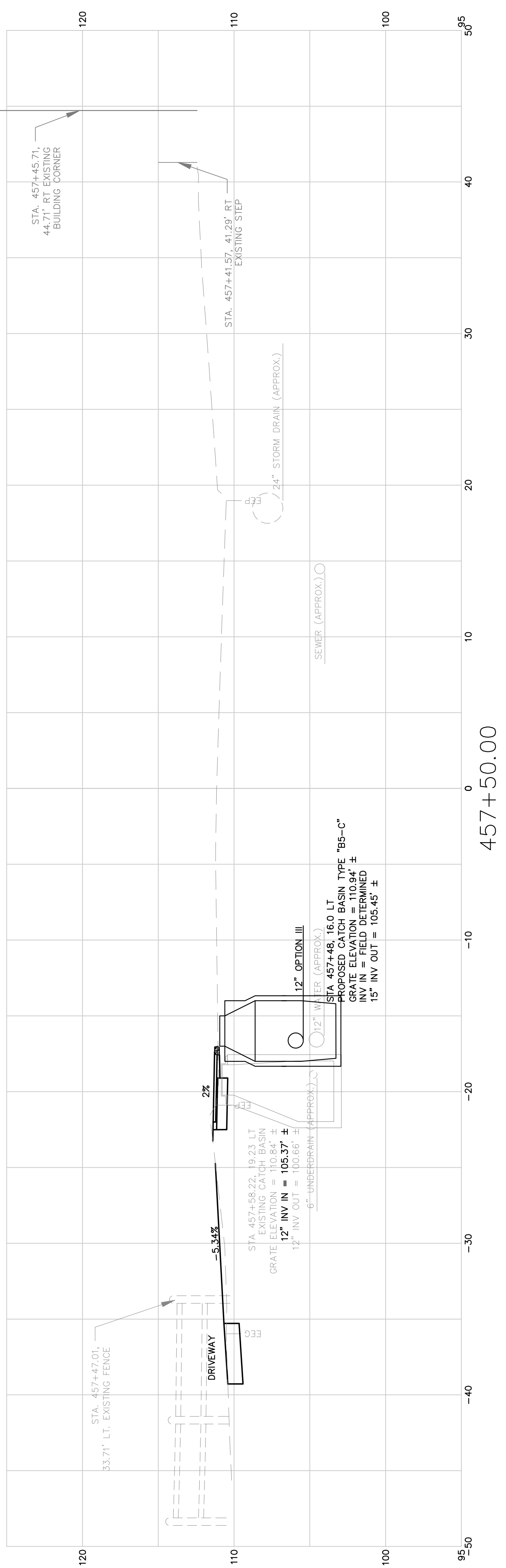
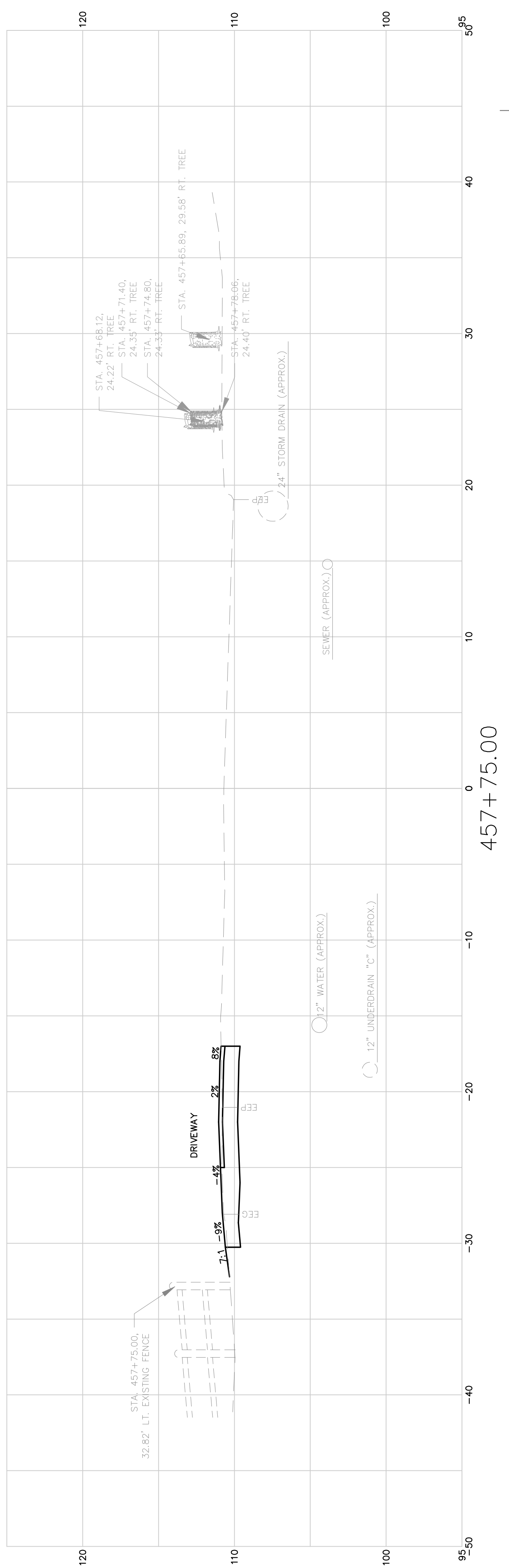




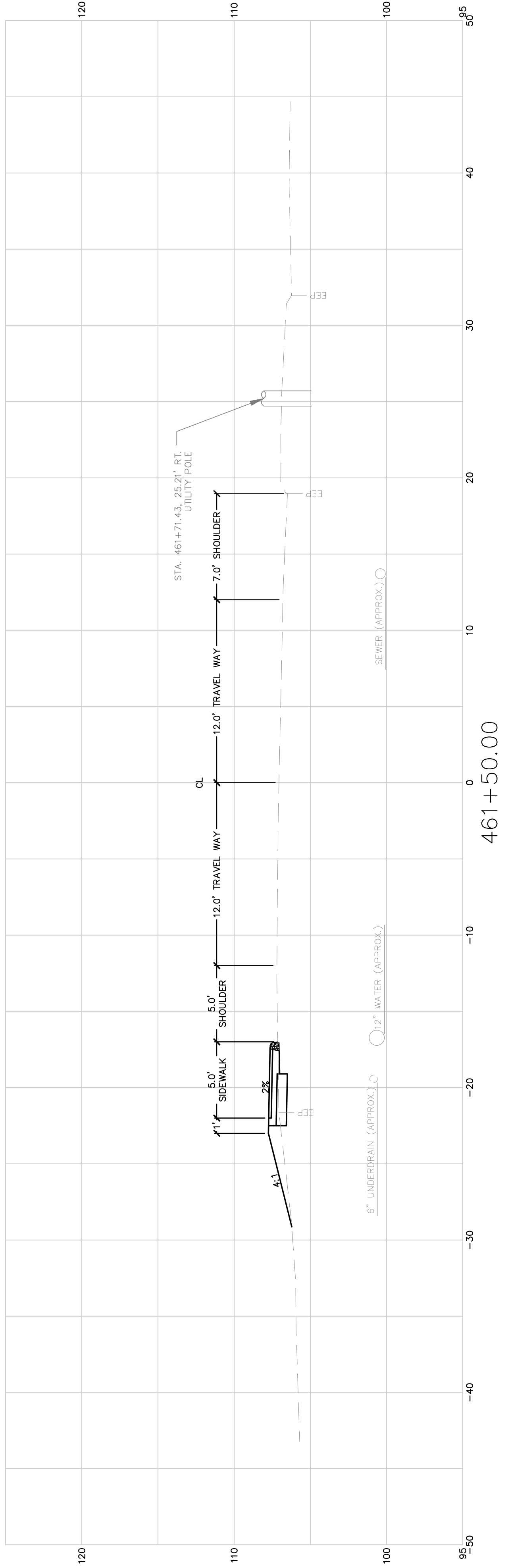
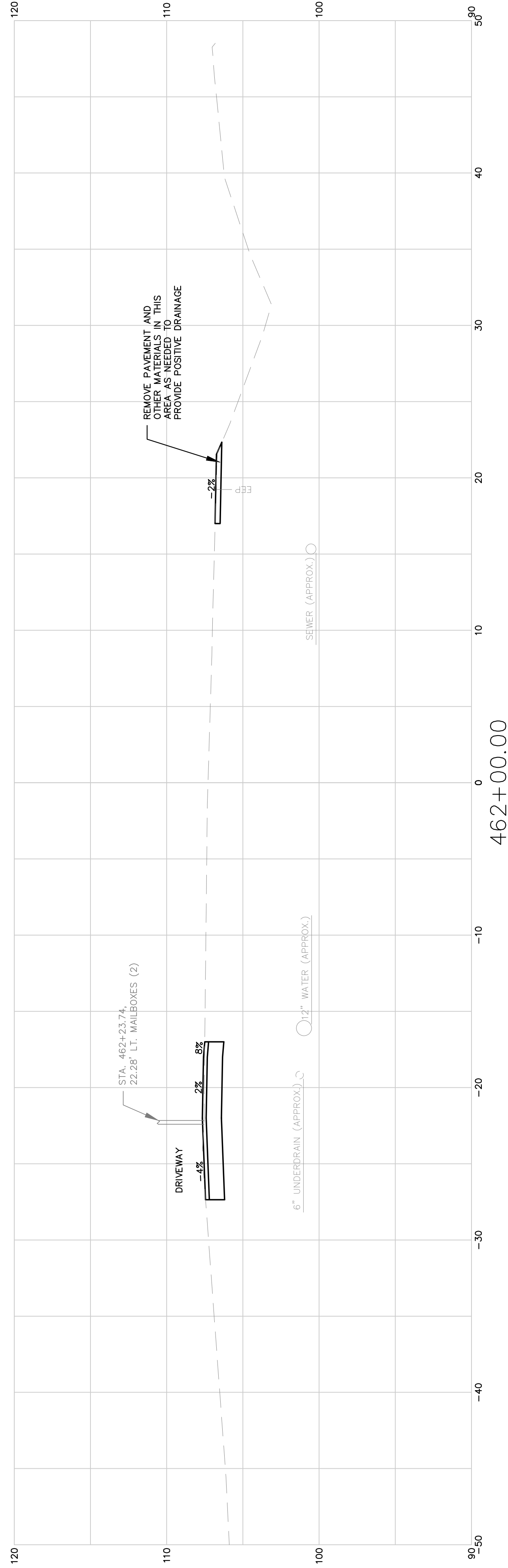
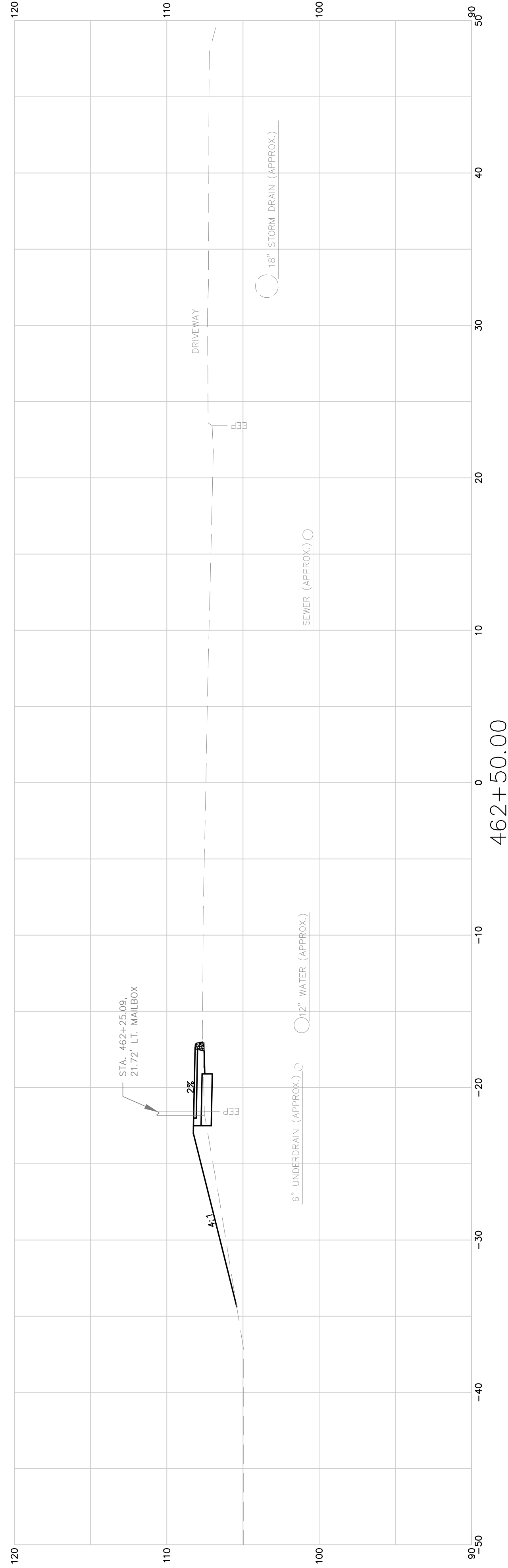
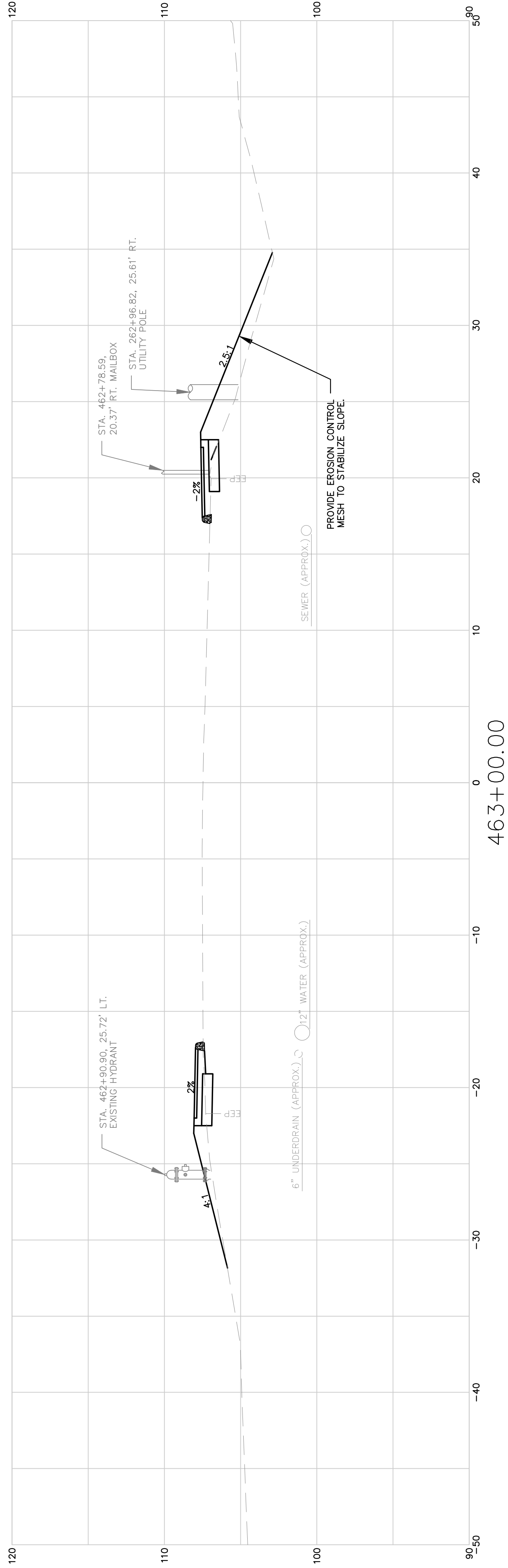
SHEET NUMBER	TOWN OF ORRINGTON		PROJ. MANAGER		BY	DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION
	31	ROUTE 15	DESIGN-DETAILED CHECKED-REVIEWED	BCH	07/24/18	SIGNATURE		
OF 55	453+09.00 CROSS SECTIONS	454+50.00	DESIGN2-DETAILED02	-	-	-	10658	WIN 018884.01 HIGHWAY PLANS
			DESIGN3-DETAILED03	-	-	-	P.E. NUMBER	
			REVISIONS 1	-	-	-	11/1/2018	
			REVISIONS 2	-	-	-	DATE	
			REVISIONS 3	-	-	-	-	
			REVISIONS 4	-	-	-	-	
			FIELD CHANGES	-	-	-	-	



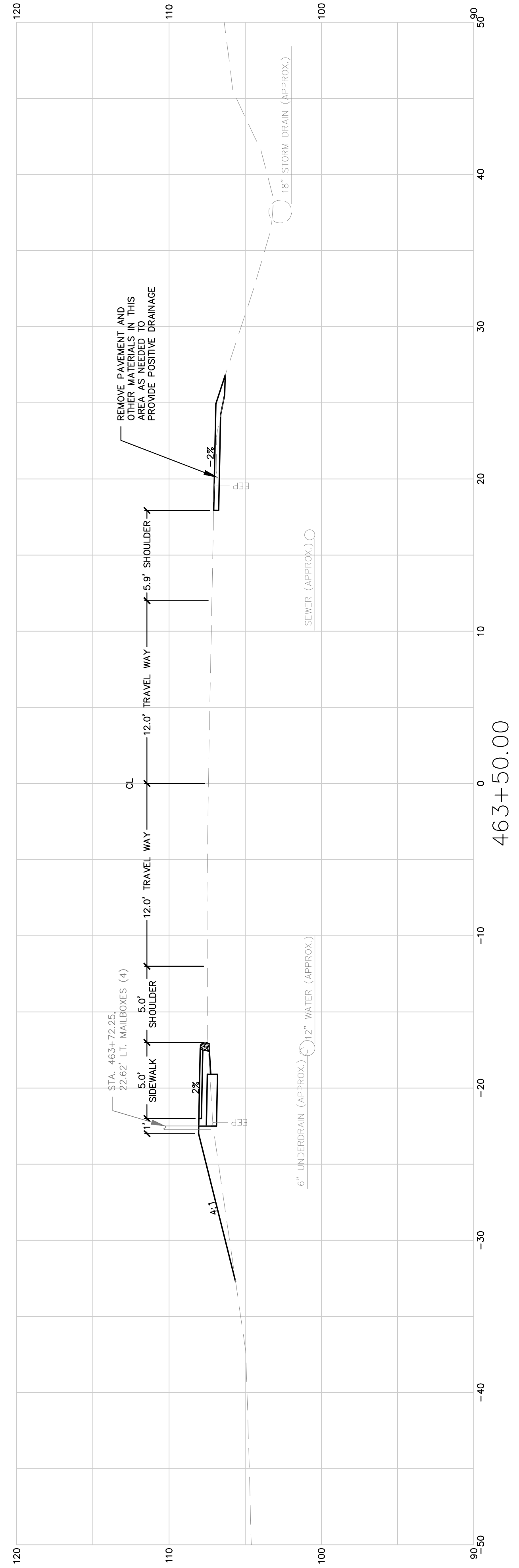
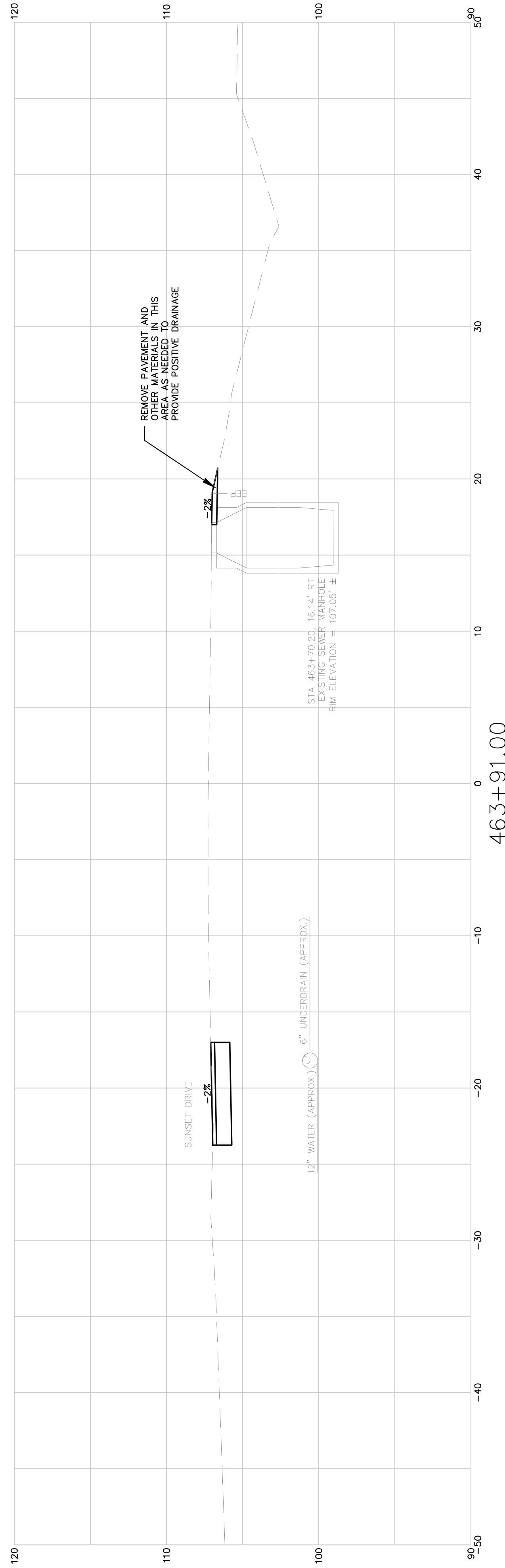
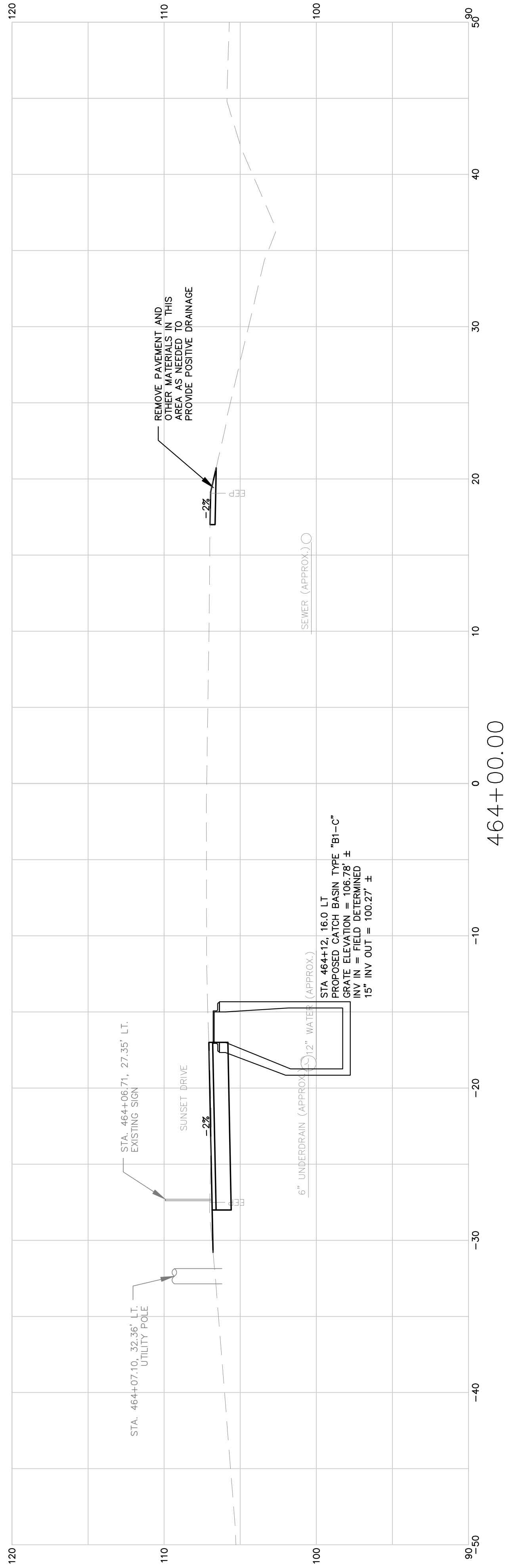
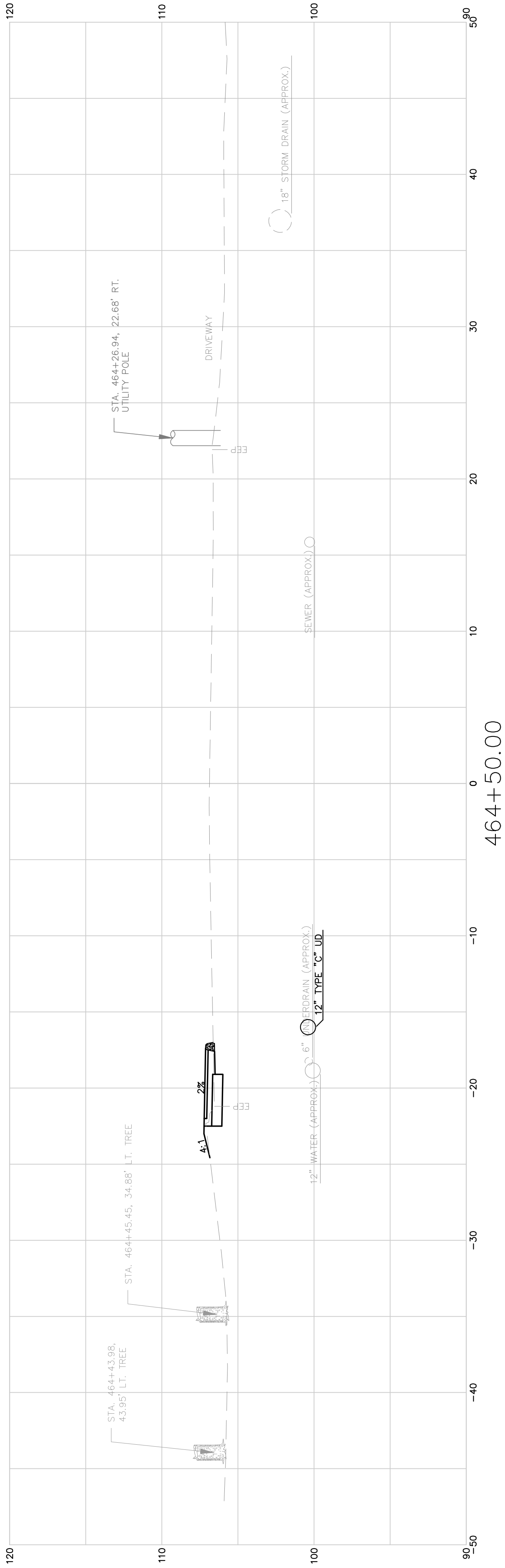
32 OF 55	SHEET NUMBER	TOWN OF ORRINGTON ROUTE 15		PROJ. MANAGER		BY	DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		455+00.00 CROSS SECTIONS 456+50.00		DESIGN-DETAILED	BCH	07/24/18	SIGNATURE			
				CHECKED-REVIEWED	-	-	P.E. NUMBER			
				DESIGN2-DETAILED2	-	-	-	10658		
				DESIGN3-DETAILED3	-	-	-	-		
				REVISIONS 1	-	-	-	-		
				REVISIONS 2	-	-	-	-		
				REVISIONS 3	-	-	-	-		
				REVISIONS 4	-	-	-	-		
				FIELD CHANGES	-	-	-	-		
								WIN	018884.01	
								HIGHWAY PLANS		

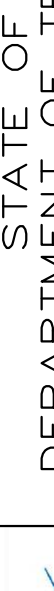


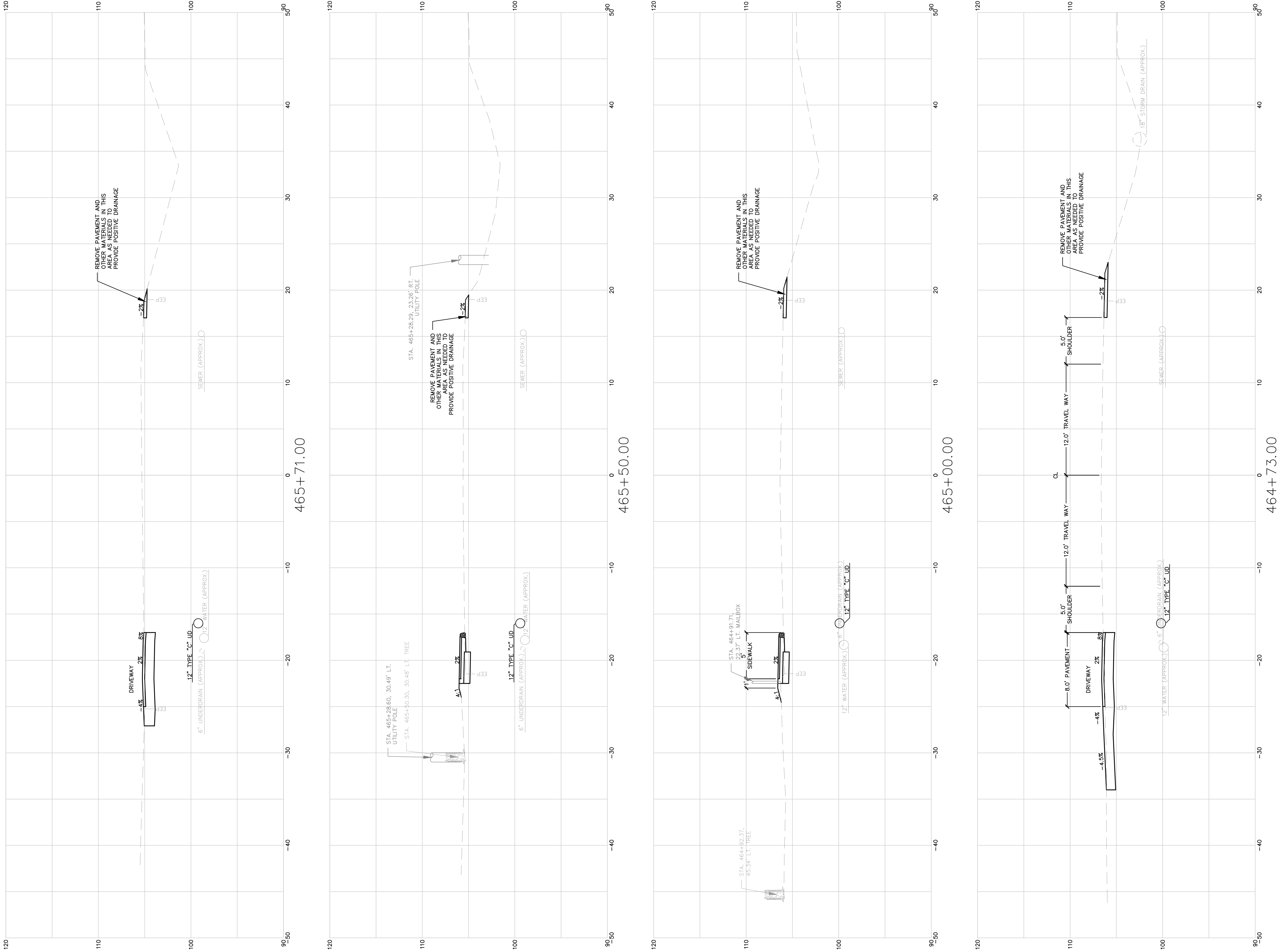
SHEET NUMBER	TOWN OF ORRINGTON ROUTE 15		PROJ. MANAGER		BY	DATE		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
			DESIGN-DETAILED		BOH	07/24/18			
			CHECKED-REVIEWED		-	-			SIGNATURE
			DESIGN2-DETAILED2	-	-	10658			
			DESIGN3-DETAILED3	-	-	P.E. NUMBER			
			REVISIONS 1	-	-	11/1/2018			DATE
			REVISIONS 2	-	-	-			-
			REVISIONS 3	-	-	-			-
			REVISIONS 4	-	-	-			-
			FIELD CHANGES	-	-	-			-
457+00.00 CROSS SECTIONS		458+00.00		WIN 018884.01				HIGHWAY PLANS	
33									

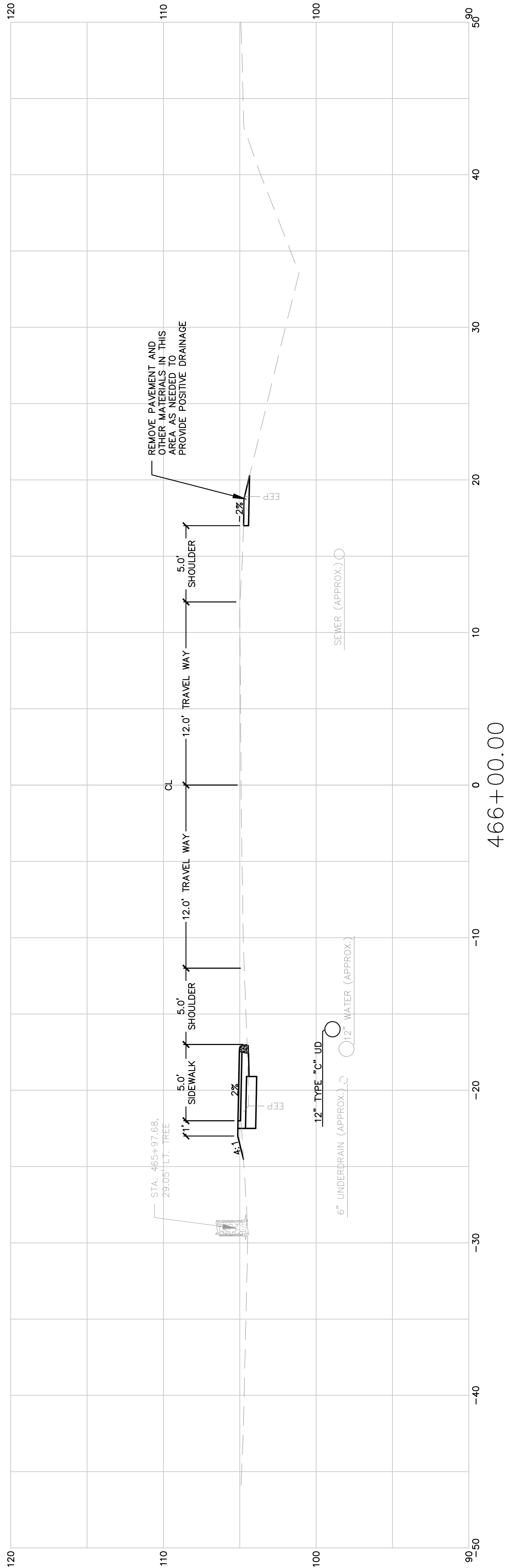
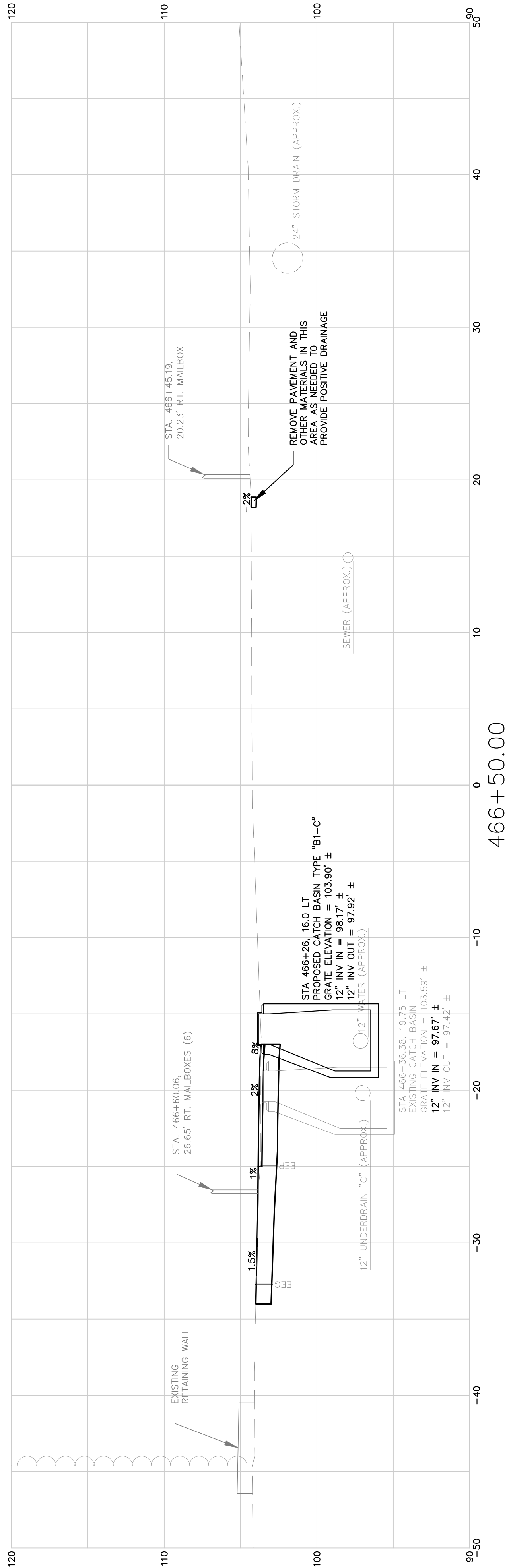
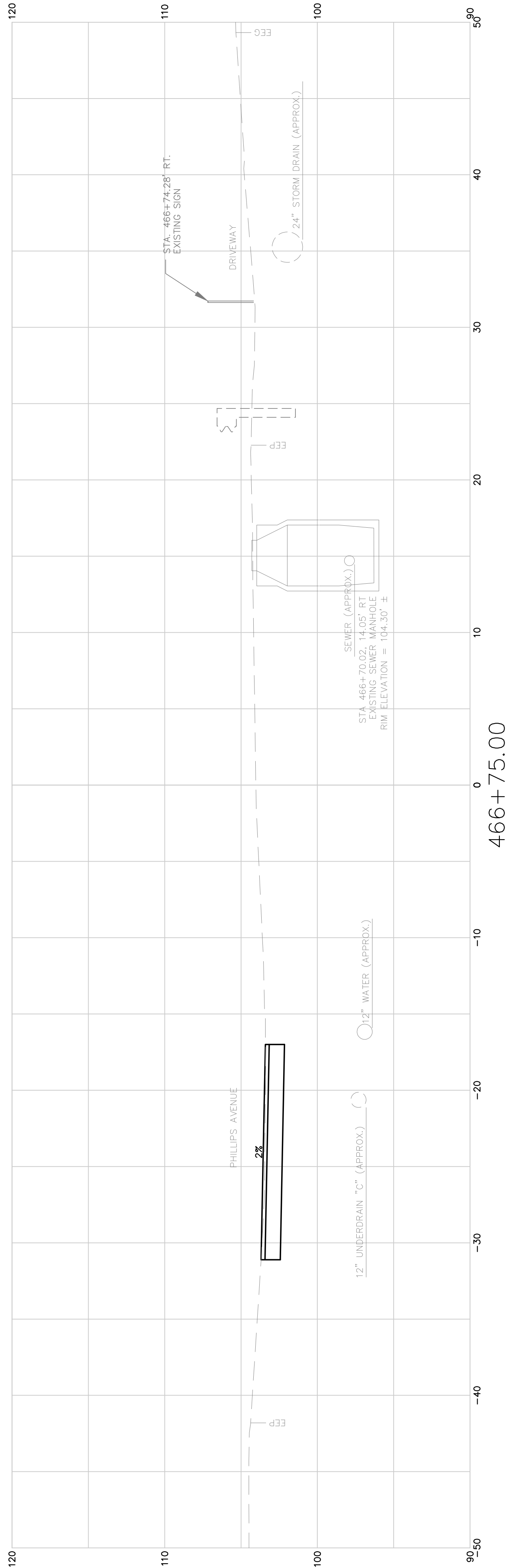
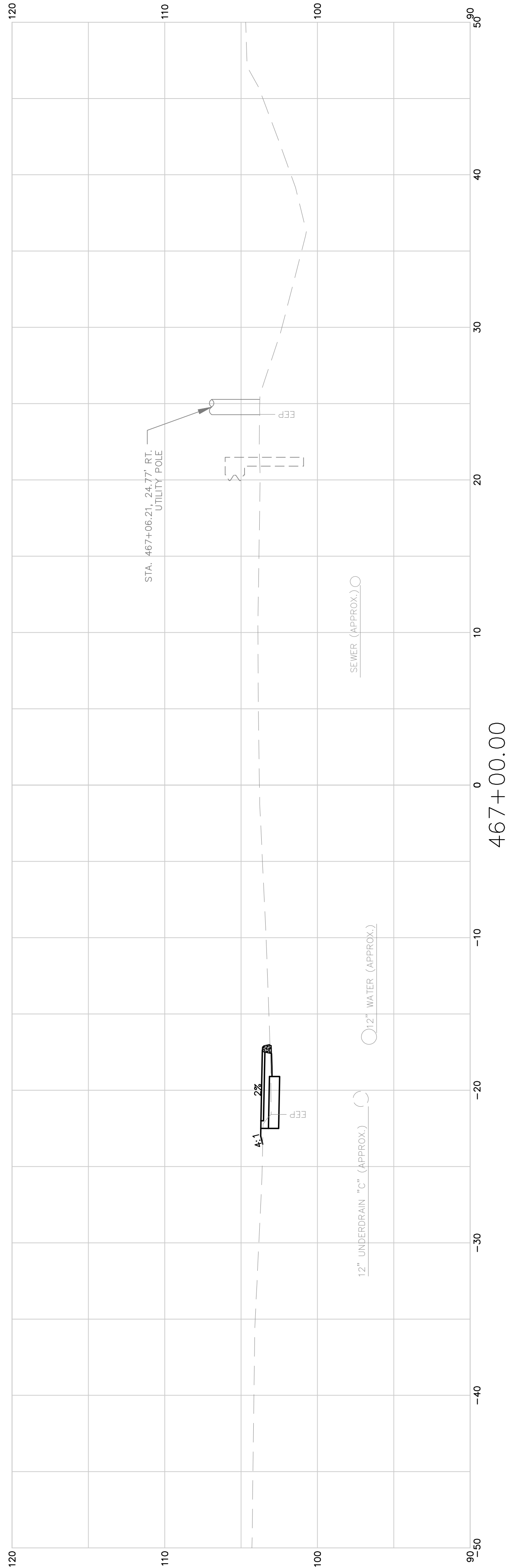


TOWN OF ORRINGTON		STATE OF MAINE	
ROUTE 15		DEPARTMENT OF TRANSPORTATION	
461+50.00 CROSS SECTIONS		WIN 018884.01	
463+00.00		HIGHWAY PLAN	
SHEET NUMBER		PROFESSIONAL ENGINEER	
36		BRET No. 10658 LICENSE 11/1/2018	
OF 55		SIGNATURE	
		10658	
		P.E. NUMBER	
		11/1/2018	
		DATE	
PROJ. MANAGER		BY	DATE
DESIGN-DETAILED		BCH	07/24/18
CHECKED-REVIEWED		-	-
DESIGN2-DETAILED2		-	-
DESIGN3-DETAILED3		-	-
REVISIONS 1		-	-
REVISIONS 2		-	-
REVISIONS 3		-	-
REVISIONS 4		-	-
FIELD CHANGES		-	-



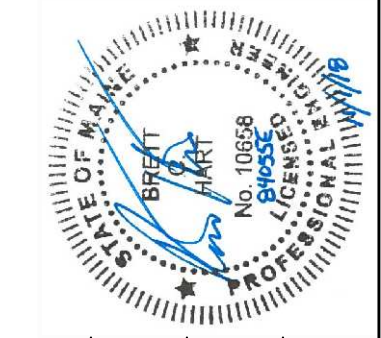
TOWN OF ORRINGTON ROUTE 15		PROJ. MANAGER		BY	DATE
SHEET NUMBER 37 OF 55	DESIGN-DETAILED	DESIGNED	BCH	07/24/18	
	DESIGN-REVIEWED	—	—	—	
	DESIGN-DETAILED2	—	—	—	
	DESIGN-DETAILED3	—	—	—	
	REVISIONS 1	—	—	—	
	REVISIONS 2	—	—	—	
	REVISIONS 3	—	—	—	
463+50.00 CROSS SECTIONS		464+50.00		DATE	WIN 018884.01 HIGHWAY PLAN
FIELD CHANGES		—		—	
—		—		—	

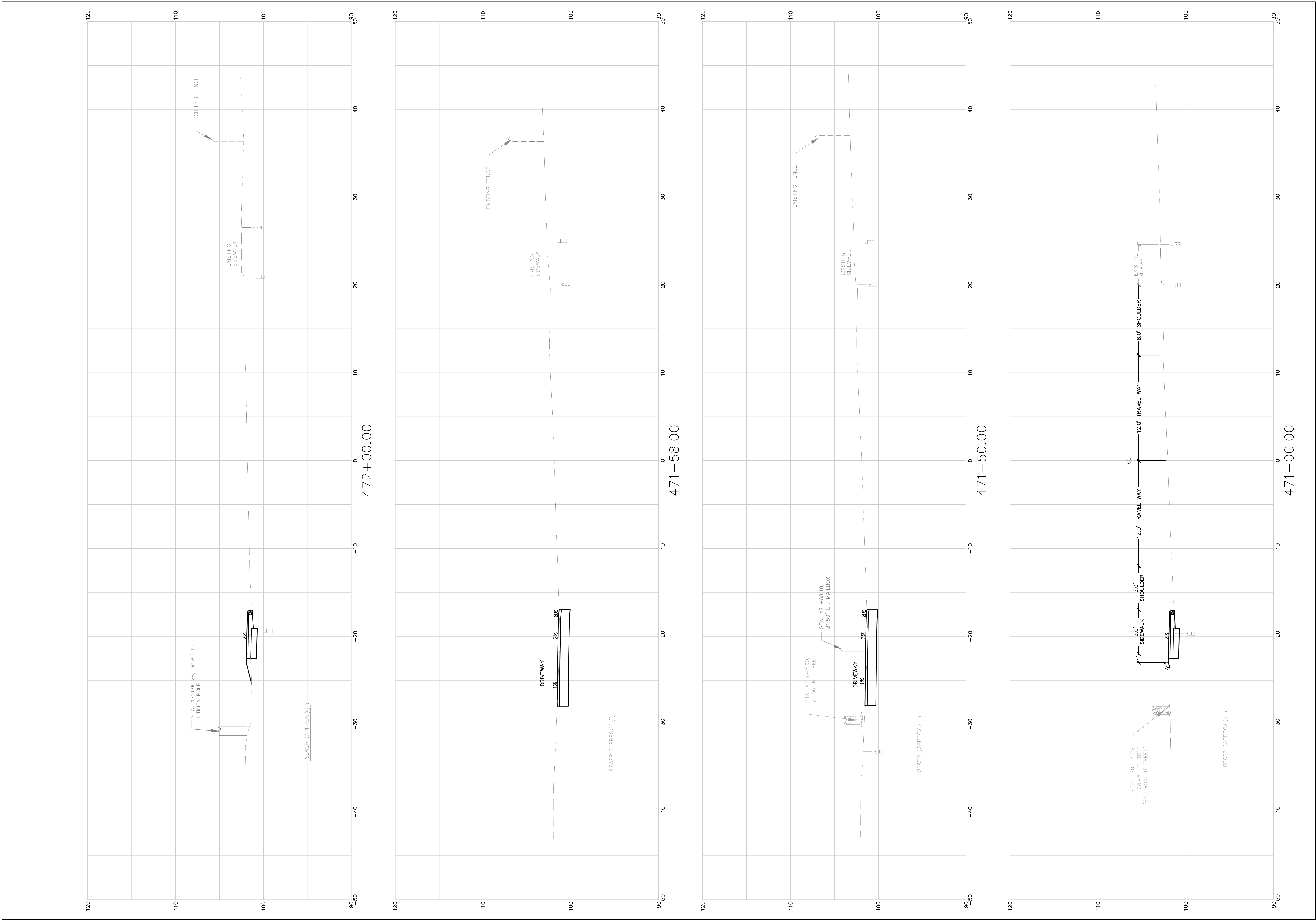


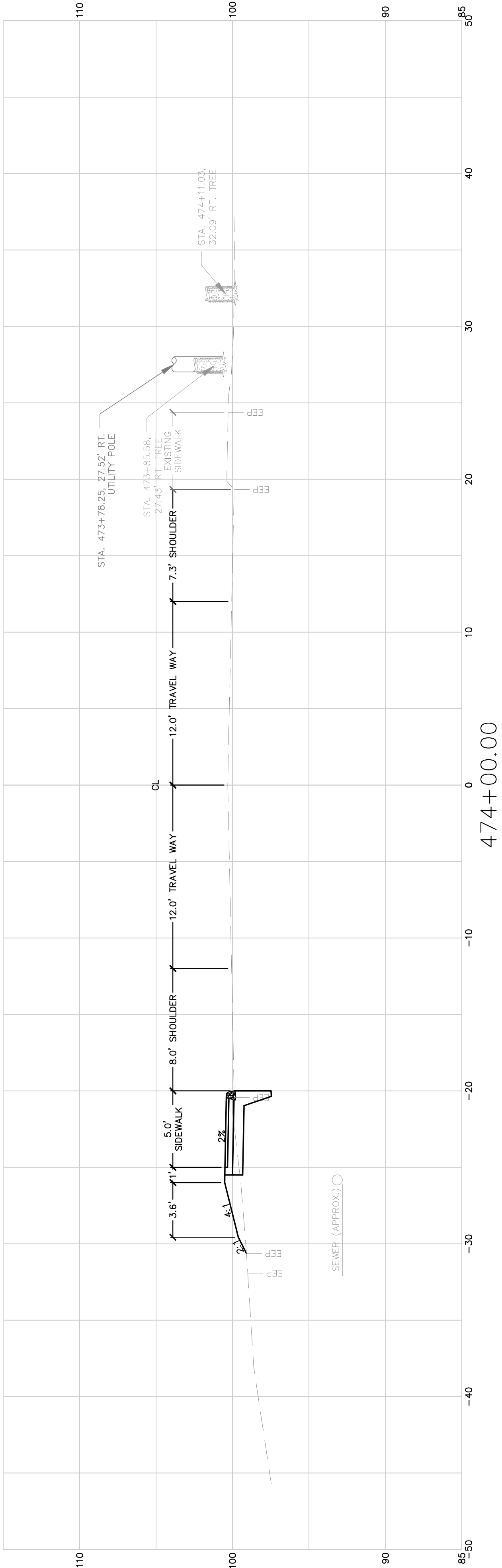
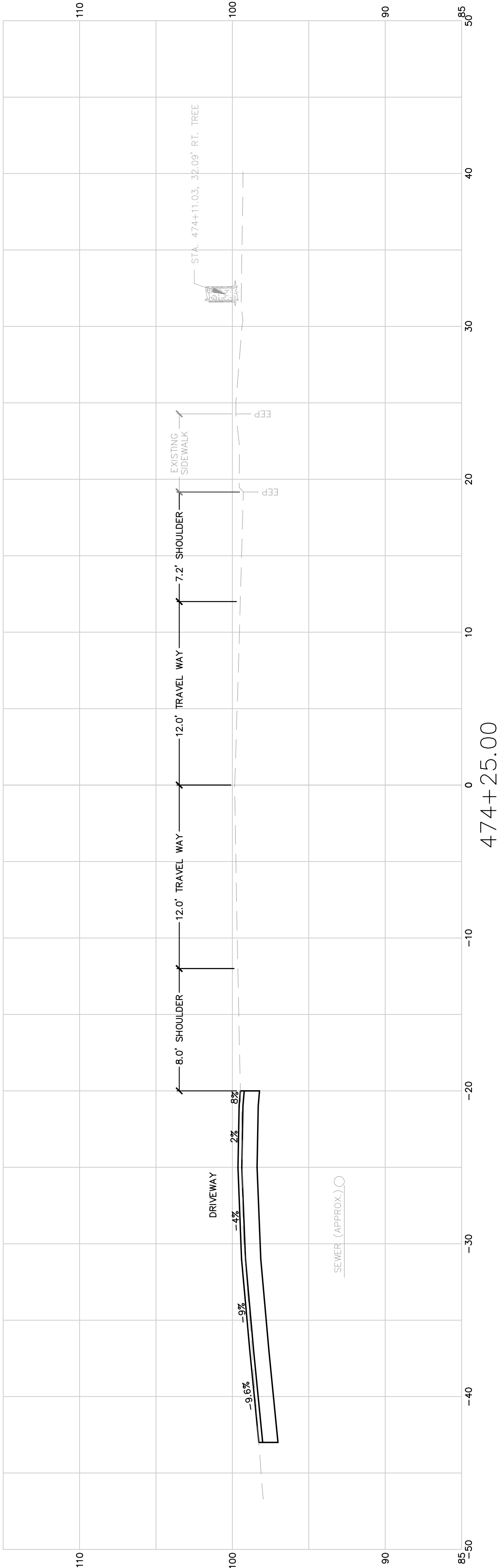
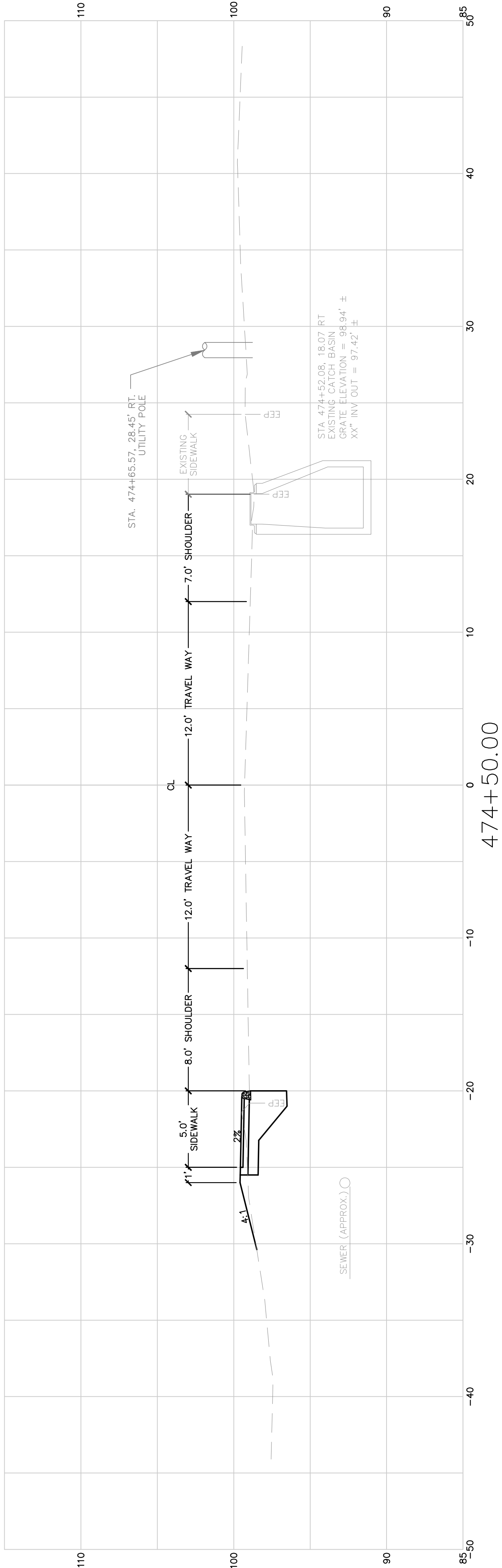
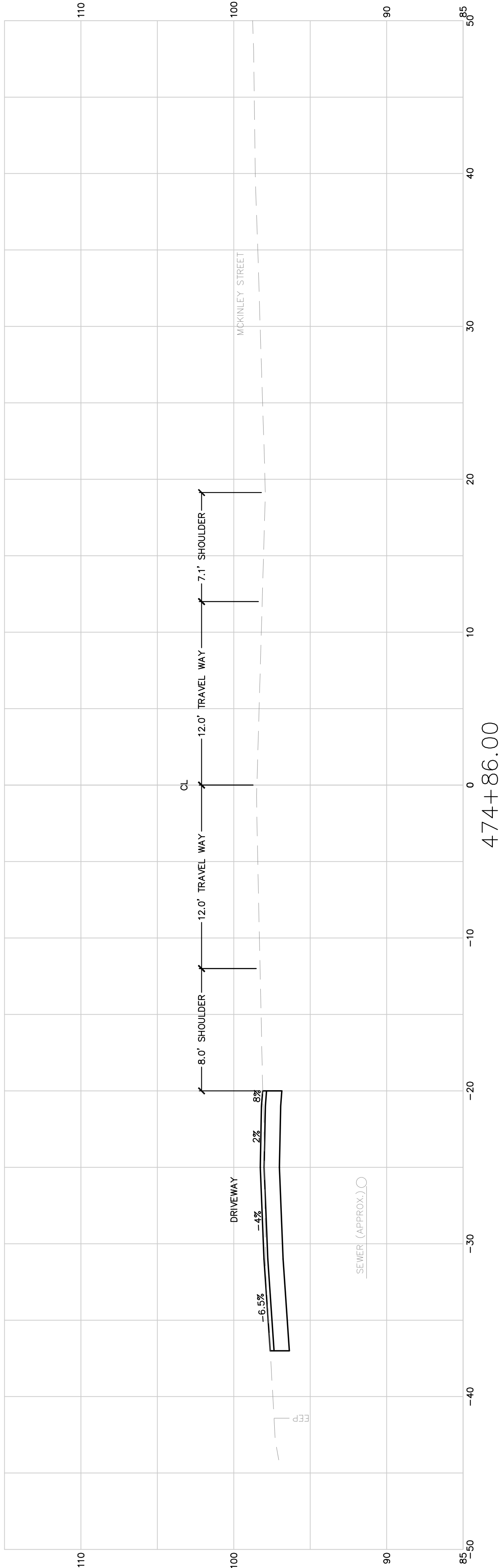


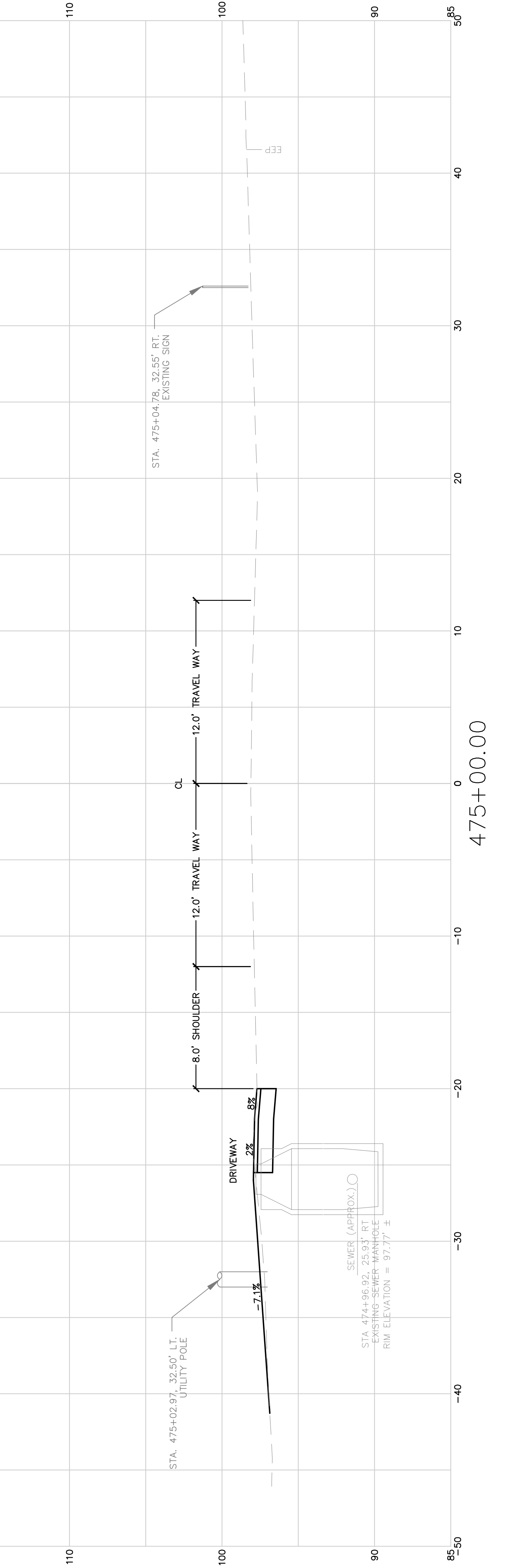
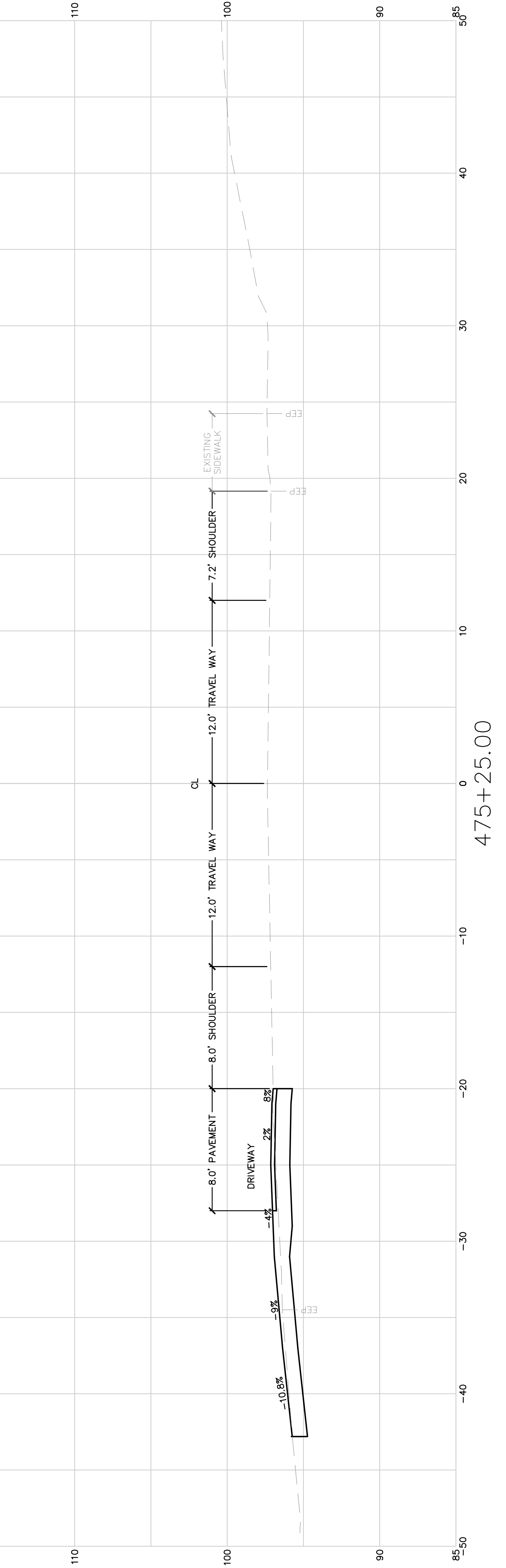
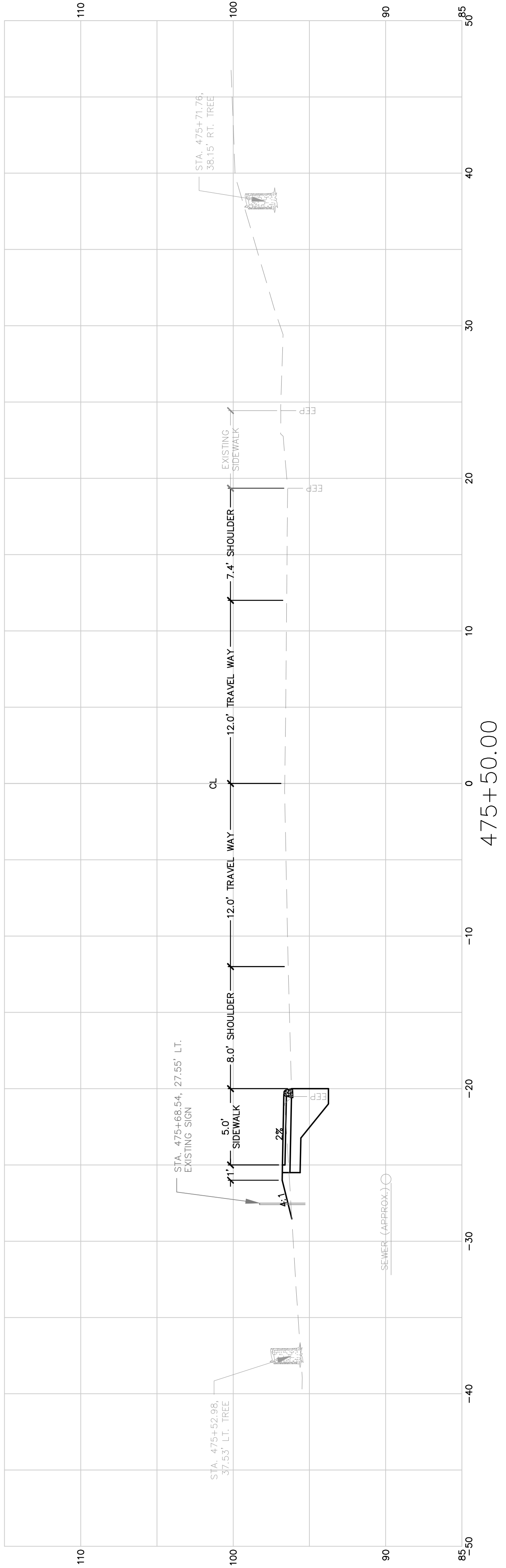
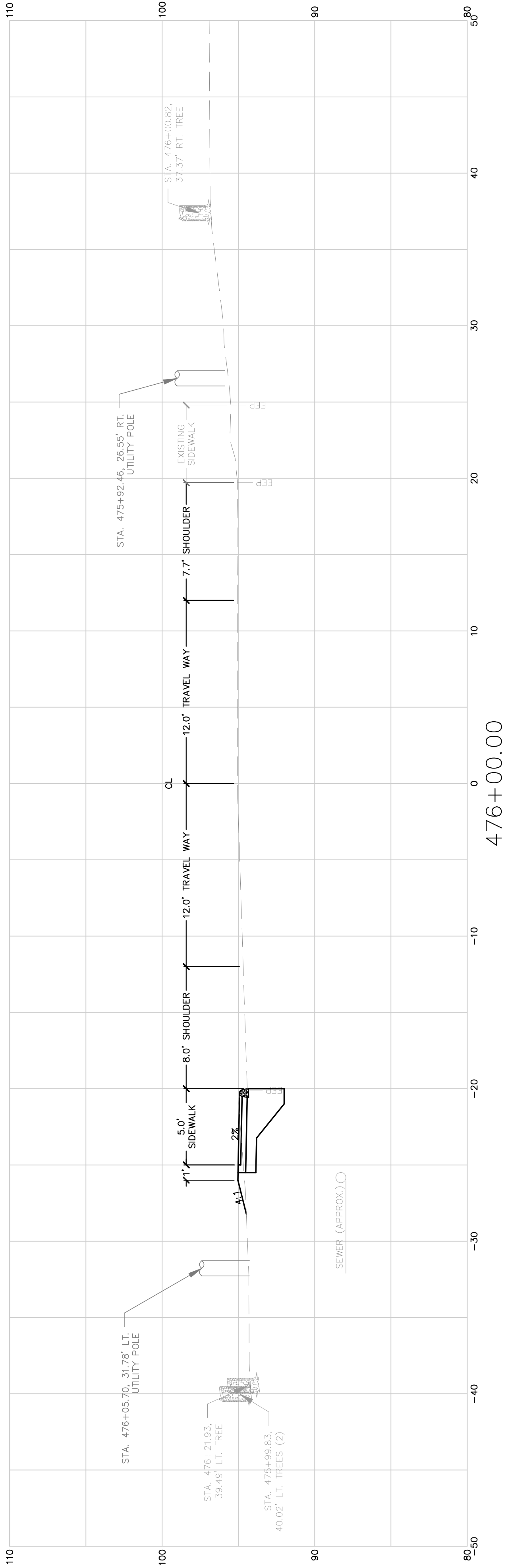
PROJ. MANAGER		BY	DATE
DESIGN-DETAILED	BCB		07/24/18
CHECKED-REVIEWED	-		-
DESIGN2-DETAILED2	-		-
DESIGN3-DETAILED3	-		-
REVISIONS 1	-		-
REVISIONS 2	-		-
REVISIONS 3	-		-
REVISIONS 4	-		-
FIELD CHANGES	-		-

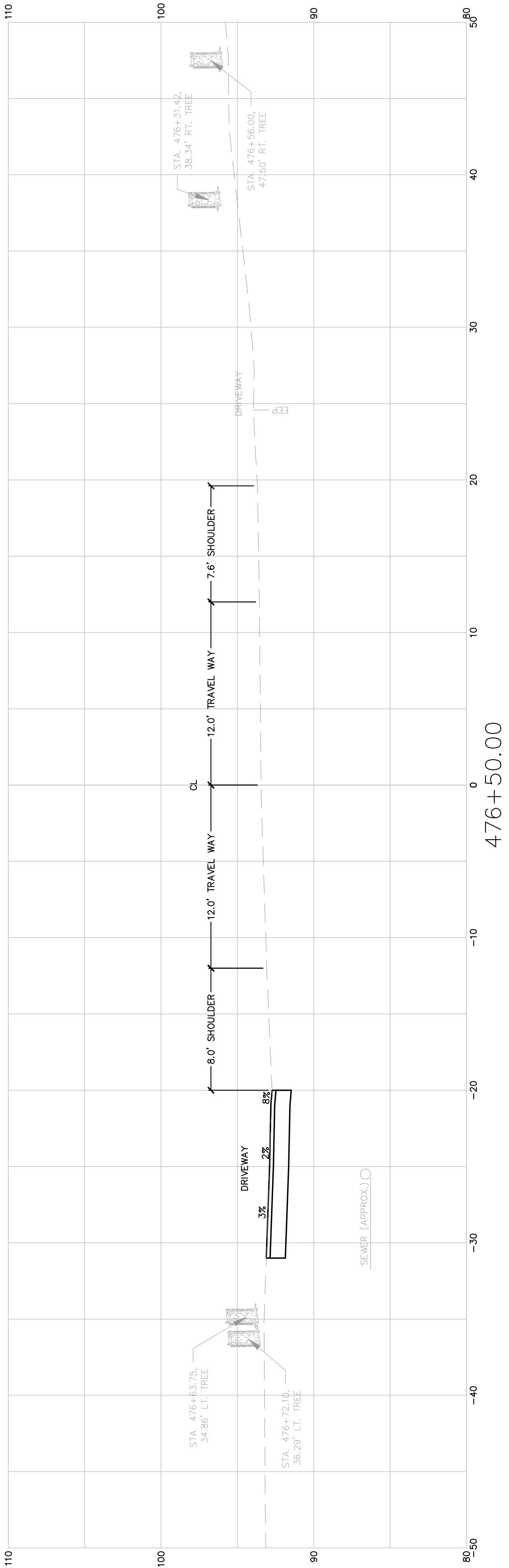
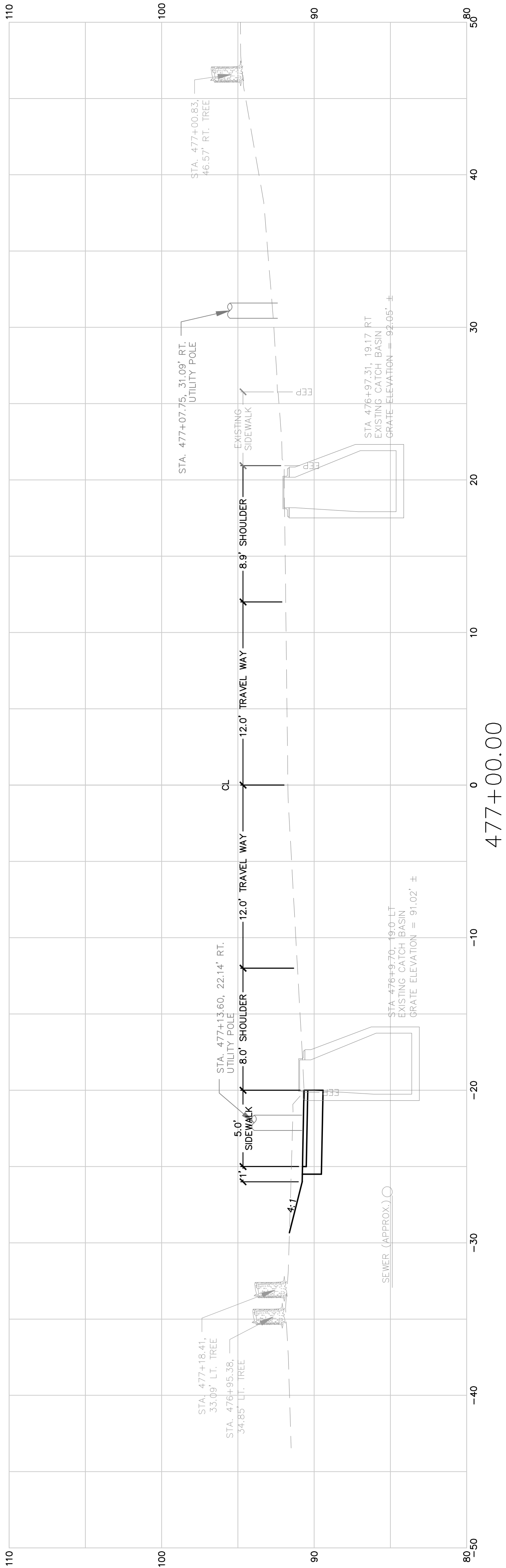
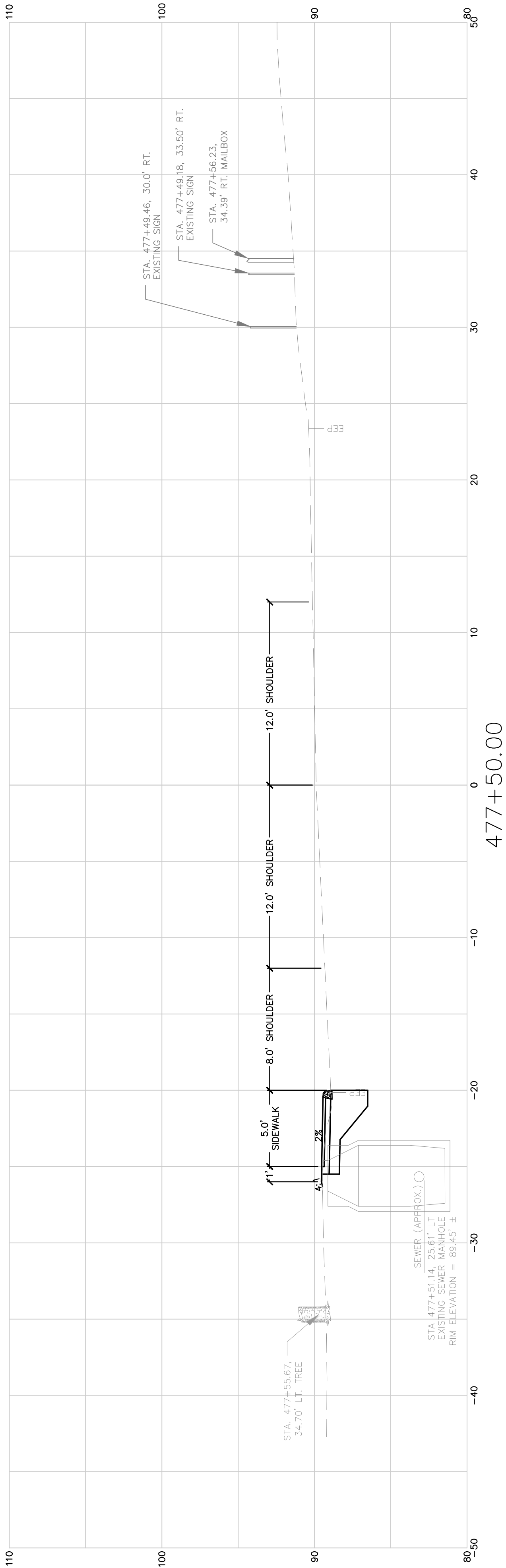
SIGNATURE
P.E. NUMBER
DATE











46	TOWN OF ORRINGTON		STATE OF MAINE	
	ROUTE 15		DEPARTMENT OF TRANSPORTATION	
	476+50.00 CROSS SECTIONS 477+50.00		WIN 018884.01	
OF 55	SHEET NUMBER			
			SIGNATURE	
			P.E. NUMBER	
		DESIGN-DETAILED	BY	DATE
		CHECKED-REVIEWED	BCH	07/24/18
		DESIGN2-DETAILED2	-	-
		DESIGN3-DETAILED3	-	-
		REVISIONS 1	-	-
		REVISIONS 2	-	-
		REVISIONS 3	-	-
		REVISIONS 4	-	-
		FIELD CHANGES	-	-

Town, County, State

Approx. Property Lines

Existing Right of Way

Limits of Wrought Portion

Control Of Access

New Right of Way

New Easement

New Temporary Rights

New R/W Within Existing R/W

New R/W Along Existing R/W

Building

Trees

Water Edge

Ledge

Fence

Sign

Along Existing R/W

Clearing Limit Line

Conifer

Deciduous

Bush Line

Rock/Boulder

Flag Pole

CHAIN LINK

BARB WIRE

STOCKADE

WELL

Mailbox

CLL

PLAN LEGEND

Existing

Proposed

Sanitary Sewer

Telephone Line

Electric Line

Water Line

Underdrain Line

Gas Line

Guardrail

Culvert

Traveled Way

Ditch

Catch Basin

Manhole

Sewer Manhole

Utility Pole

Fire Hydrant

Curbing

Existing

Proposed

Cut Line

Stonewall

Baseline

Monument

Iron Rod Found

Replacement Pin Set

Fill Line

Retaining Wall

Traverse Point

Pipe Found

STATE OF MAINE

REGISTRY OF DEEDS

COUNTY

RECEIVED

at h m M and recorded in

Plan Book , Page

Attest:

REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

250255075100

Scale of Feet

REVISIONS				PLAN FILED IN PLAN BOOK				COUNTY RECORD				DAVID BERNHARDT COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER		STATE HIGHWAY "42" ROUTE 15 RIVER ROAD ORRINGTON PENOBSCOT COUNTY FEDERAL AID PROJECT NO. TAP-1888(400)		SHEET NUMBER 48 OF 55	
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	PAGE	INSTRUMENT	DATE	BOOK	PAGE	DATE						

EXISTING TOPOGRAPHY, DESIGN, AND BASE LINE PROVIDED BY JAMES W. SEWALL COMPANY

WIN 018884.00

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460

ORRINGTON

RIGHT OF WAY MAP

[illegible]

REVISIONS				PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD						DAVID BERNHARDT COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER DATE	STATE HIGHWAY "42" ROUTE 15 RIVER ROAD ORRINGTON PENOBSCOT COUNTY FEDERAL AID PROJECT NO. TAP-1888(400)			SHEET NUMBER
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE					49
										MAY 2018 RIGHT-OF-WAY MAP D.O.T. FILE NO. 10-511			OF 55	
										SCALE 1" = 25' SHEET 3 OF 9				

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

Town, County, State
Approx. Property Lines
Existing Right of Way
Limits of Wrought Portion
Control Of Access
New Right of Way
New Easement
New Temporary Rights
New R/W Within Existing R/W

New R/W

Along Existing R/W

Building

Trees

Water Edge

Ledge

Fence

Sign

Conifer

Deciduous

Bush Line

Rock/Boulder

CHAIN LINK

BARB WIRE

WELL

Clearing Limit Line

Deciduous

Flag Pole

STOCKADE

Mailbox

PLAN LEGEND

Existing

Proposed

Sanitary Sewer

Telephone Line

Electric Line

Water Line

Underdrain Line

Gas Line

Guardrail

Culvert

Traveler Way

Ditch

Catch Basin

Manhole

Sewer Manhole

Utility Pole

Fire Hydrant

Curbing

Existing

Proposed

Cut Line

Stonewall

Baseline

Monument

Iron Rod Found

Replacement Pin Set

Fill Line

Retaining Wall

Traverse Point

Pipe Found

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY

RECEIVED

at h m M and recorded in

Plan Book , Page

Attest: REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S
ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES.
IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN
ABUTTING PROPERTY OWNERS.

25 0 25 50 75 100

Scale of Feet

PRELIMINARY
PLAN

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	BDM	
FINAL RIGHT OF WAY	BDM	
AREAS	BDM	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460

ORRINGTON
RIGHT OF WAY MAP

REVISIONS				PLAN FILED IN PLAN BOOK				PAGE				COUNTY RECORD				DAVID BERNHARDT COMMISSIONER JOYCE NOEL TAYLOR CHIEF ENGINEER DATE	STATE HIGHWAY "42" ROUTE 15 RIVER ROAD		ORRINGTON PENOBSCOT COUNTY FEDERAL AID PROJECT NO. TAP-1888(400)		SHEET NUMBER	
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	INSTRUMENT	DATE	BOOK	PAGE	SCALE 1" = 25'		RIGHT-OF-WAY MAP SHEET 5 OF 9	D.O.T. FILE NO. 10-511		51 OF 55		

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

Town, County, State
Approx. Property Lines
Existing Right of Way
Limits of Wrought Portion
Control Of Access
New Right of Way
New Easement
New Temporary Rights
New R/W Within Existing R/W

New R/W Along Existing R/W

Building
Trees
Tree Line
Water Edge
Ledge
Fence
Sign

Along Existing R/W
Clearing Limit Line
Conifer
Deciduous
Bush Line
Rock/Boulder
Flag Pole
Barb Wire
Stockade
Well
Mailbox

PLAN LEGEND

Existing
Proposed

Sanitary Sewer
Telephone Line
Electric Line
Water Line
Underdrain Line
Gas Line
Guardrail
Culvert

Existing
Proposed

Traveled Way
Ditch
Catch Basin
Manhole
Sewer Manhole
Utility Pole
Fire Hydrant
Curbing

Cut Line
Stonewall
Baseline
Monument
Iron Rod Found
Replacement Pin Set

Fill Line
Retaining Wall
Baseline
Traverse Point
Pipe Found

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY
RECEIVED
at h m M and recorded in
Plan Book , Page
Attest: REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

25 0 25 50 75 100

Scale of Feet

PRELIMINARY
PLAN

ITEM	CHECKED		
	EXISTING	CONDITION	PLAN
	FINAL	RIGHT OF WAY	AREAS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
ORRINGTON
RIGHT OF WAY MAP

NO. DATE

REVISIONS DESCRIPTION

BY

PLAN FILED IN

PLAN BOOK

PAGE

COUNTY RECORD

NO. GRANTOR

INSTRUMENT

DATE

BOOK

PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "42"
ROUTE 15 RIVER ROAD
ORRINGTON PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. TAP-1888(400)

MAY 2018
SCALE 1" = 25'

RIGHT-OF-WAY MAP
SHEET 6 OF 9

D.O.T. FILE NO. 10-511

SHEET NUMBER
52
OF 55

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

Town, County, State
Approx. Property Lines
Existing Right of Way
Limits of Wrought Portion
Control Of Access
New Right of Way
New Easement
New Temporary Rights
New R/W Within Existing R/W

New R/W Along Existing R/W

Building
Trees
Tree Line
Water Edge
Ledge
Fence
Sign

Along Existing R/W
Clearing Limit Line
Conifer
Deciduous
Bush Line
Rock/Boulder
Flag Pole
Barb Wire
Stockade
Well
Mailbox

PLAN LEGEND

Existing
Proposed

Sanitary Sewer
Telephone Line
Electric Line
Water Line
Underdrain Line
Gas Line
Guardrail
Culvert

Existing
Proposed

Traveled Way
Ditch
Catch Basin
Manhole
Sewer Manhole
Utility Pole
Fire Hydrant
Curbing

Cut Line
Stonewall
Baseline
Monument
Iron Rod Found
Replacement Pin Set

Fill Line
Retaining Wall
Traverse Point
Pipe Found

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY
RECEIVED
at h m M and recorded in
Plan Book , Page
Attest: REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

25 0 25 50 75 100

Scale of Feet

PRELIMINARY
PLAN

ITEM	TECH	CHECKED		
		EXISTING	CONDITION	PLAN
EXISTING		BDM		
FINAL		BDM		
AREAS		BDM		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
ORRINGTON
RIGHT OF WAY MAP

NO. DATE

REVISIONS
DESCRIPTION

BY

PLAN FILED IN PLAN BOOK

NO. GRANTOR

PAGE INSTRUMENT

COUNTY RECORD

DATE BOOK

PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "42"
ROUTE 15 RIVER ROAD
ORRINGTON PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. TAP-1888(400)

MAY 2018
SCALE 1" = 25'

RIGHT-OF-WAY MAP
SHEET 7 OF 9

D.O.T. FILE NO. 10-511

SHEET NUMBER
53
OF 55

