

ROUTE 88 & TUTTLE ROAD

CUMBERLAND, MAINE

CUMBERLAND COUNTY

MAINEDOT PIN XXXX.XX

PROJECT LENGTH: 2.9 MILES

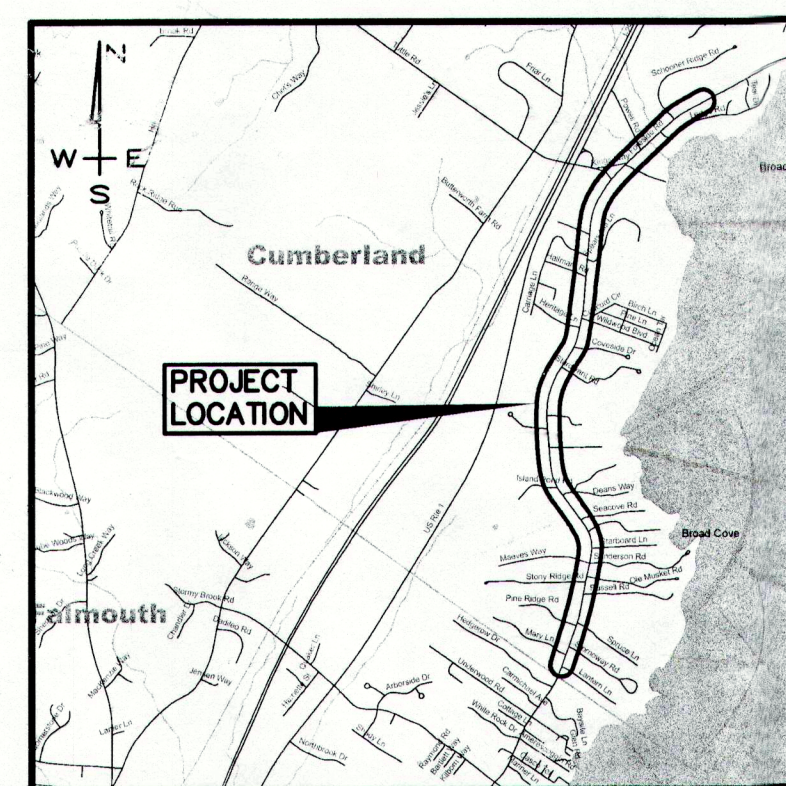
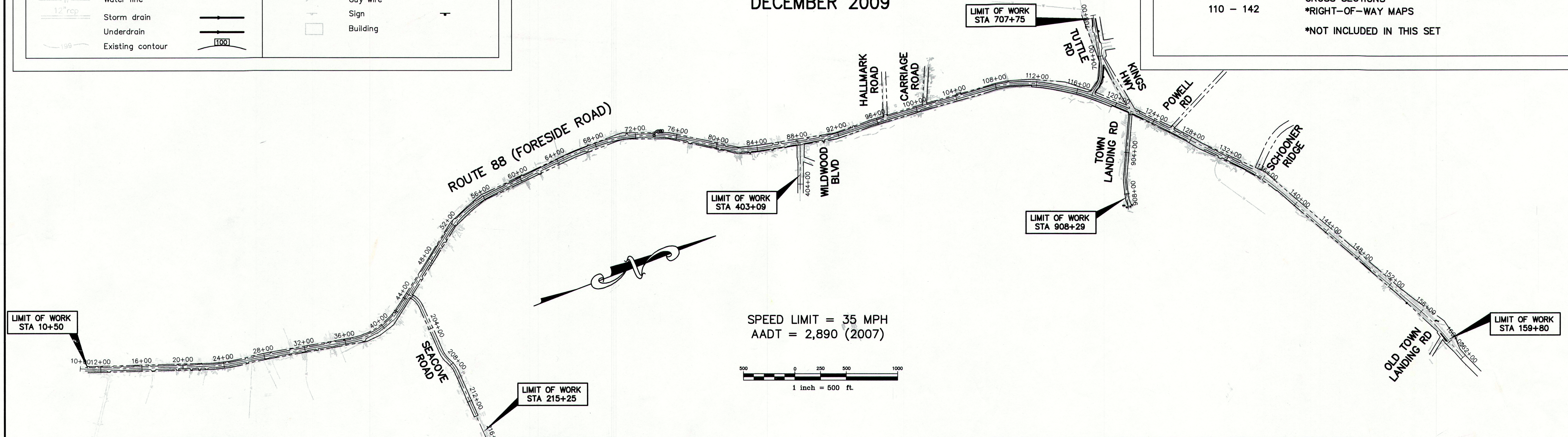
ROADWAY RECONSTRUCTION AND WIDENING PROJECT

DECEMBER 2009

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	*NOT INCLUDED IN THIS SET

CONVENTIONAL SYMBOLS			
EXISTING	PROPOSED	EXISTING	PROPOSED
Iron pin found	Monument found	Stockade fence	Chain link fence
Utility pole	Construction Baseline	Catch basin	Water Shutoff
Edge of pavement	Bituminous Curb	Sewer manhole	Drain manhole
Right of way line	Overhead electric	Fire hydrant	Tree
Water line	Storm drain	Guy wire	Sign
Underdrain	Existing contour	Building	



LOCATION MAP

A PORTION OF CUMBERLAND COUNTY

NOTE:
GORRILL-PALMER CONSULTING ENGINEERS, INC. WILL BE CONDUCTING THE FIELD OBSERVATION/ENGINEERING DURING CONSTRUCTION. RALPH NORWOOD, P.E. WILL BE THE ENGINEER RESPONSIBLE FOR THE PROJECT.

NOTE:
ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES (DECEMBER 2002 EDITION), AND THE STANDARD DETAILS (DECEMBER 2002) EXCEPT AS MODIFIED BY THE PLANS OR SPECIFICATION SPECIAL PROVISIONS AND ANY AND ALL CORRECTIONS, REVISIONS OR ADDITIONS ISSUED BY MAINEDOT.

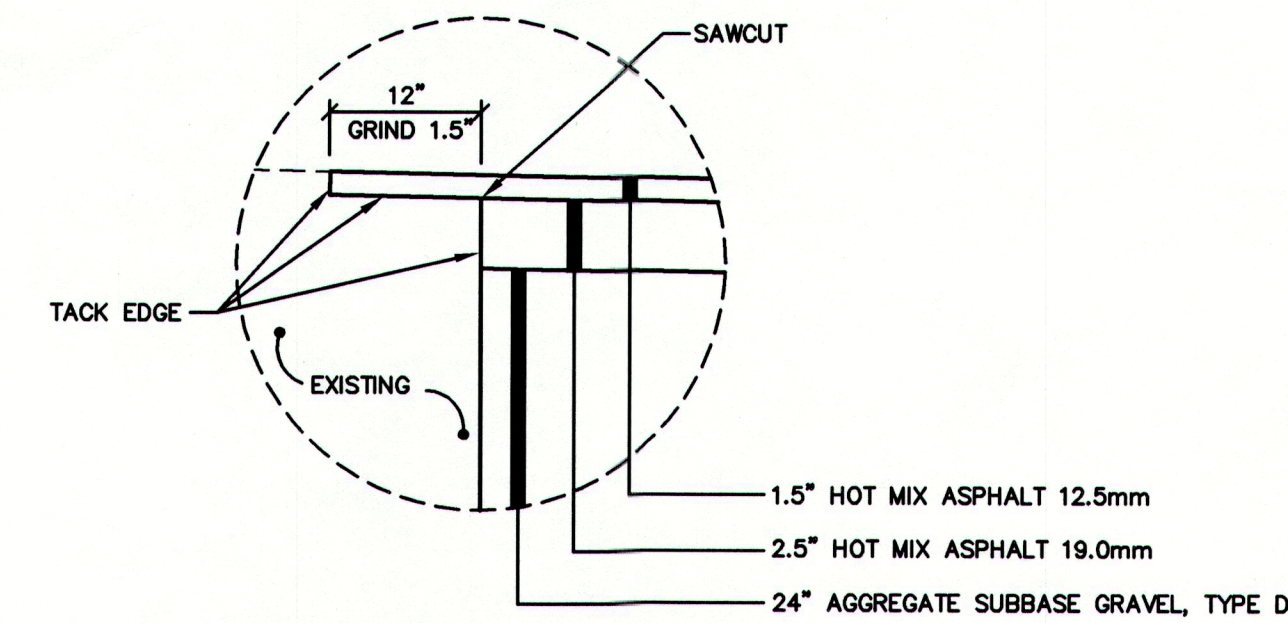
NOTE:
* MAINTENANCE OF TRAFFIC PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
* CONTRACTOR SHALL USE THE B.M.P. (BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL) AS A MINIMUM STANDARD.

PREVIOUS MDOT PROJECTS:
-
R/W REFERENCE:
- DOT FILE NO. 3-363
- DOT FILE NO. 3-469
- CUMBERLAND COUNTY COMMISSIONERS APRIL 21, 1961

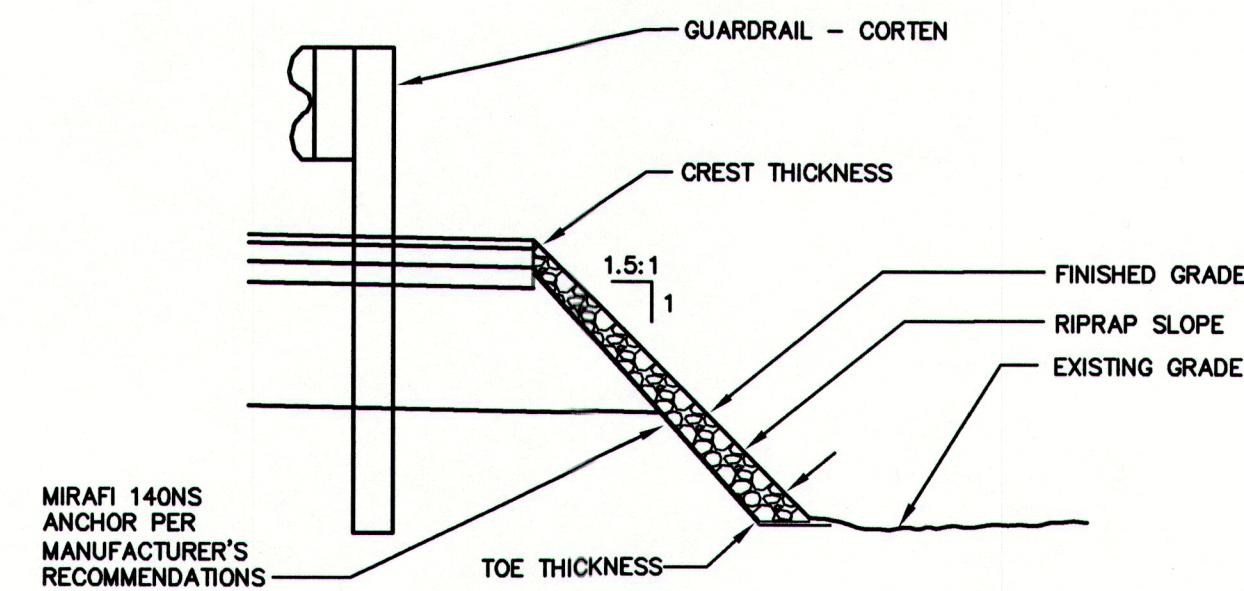
PLANS ARE FOR REVIEW PURPOSES ONLY. PLANS ARE NOT APPROVED FOR CONSTRUCTION. PROJECT IS CURRENTLY UNDER REVIEW BY THE MAINE DEPARTMENT OF TRANSPORTATION. THEIR REVIEW MAY RESULT IN SIGNIFICANT CHANGES TO THE PLANS. THIS NOTE APPLIES TO ALL SHEETS.

CLIENT:
TOWN OF CUMBERLAND
290 TUTTLE ROAD
CUMBERLAND, ME 04021

Prepared By:
GP Gorrill-Palmer Consulting Engineers, Inc.
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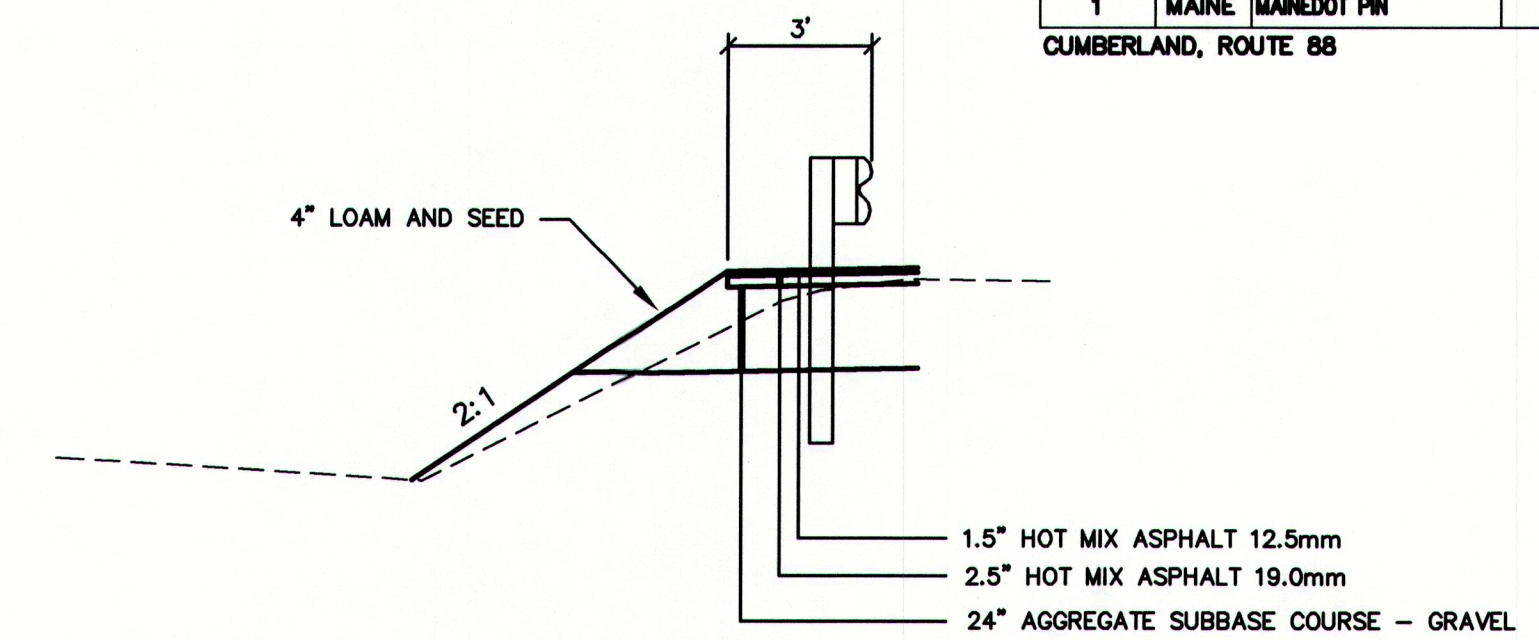
DETAIL 'A'



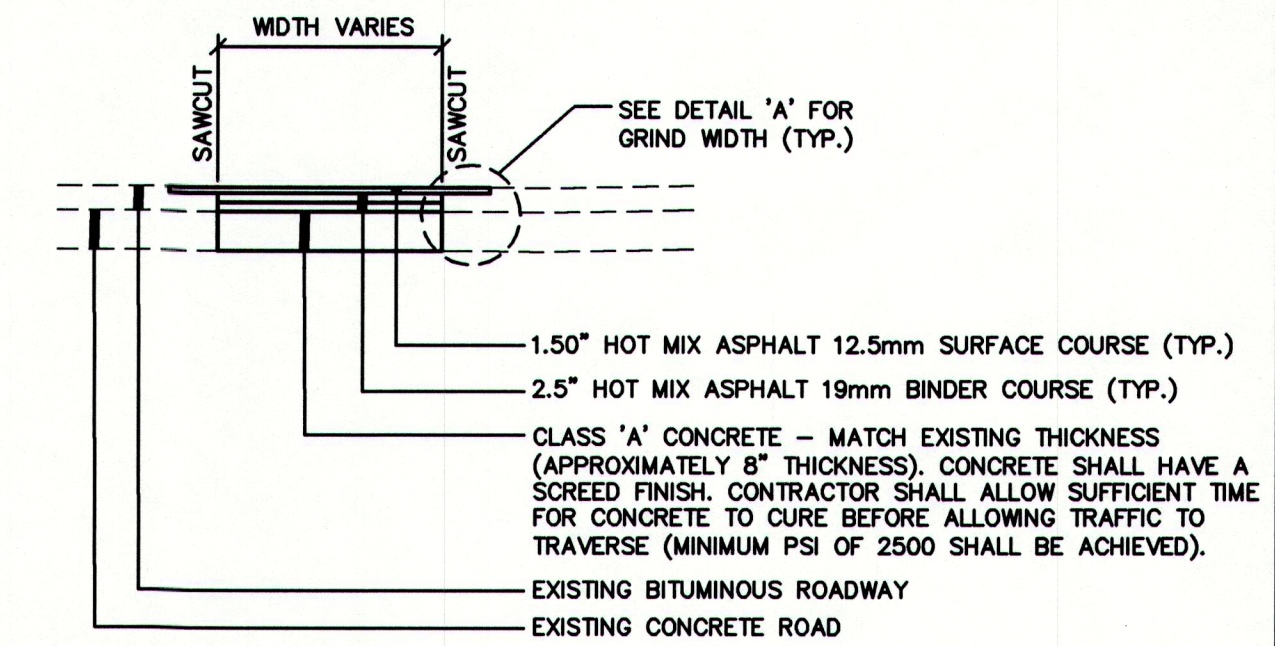
SLOPE HEIGHT	TOE THICKNESS	CREST THICKNESS	D ₁₅₀	D ₃₀	D ₁₀
12' - 14'	30"	18"	24"	16"	6"
10' - 12'	28"	18"	24"	12"	6"
< 10'	20"	15"	16"	8"	4"

RIP RAP SLOPE

NOT TO SCALE

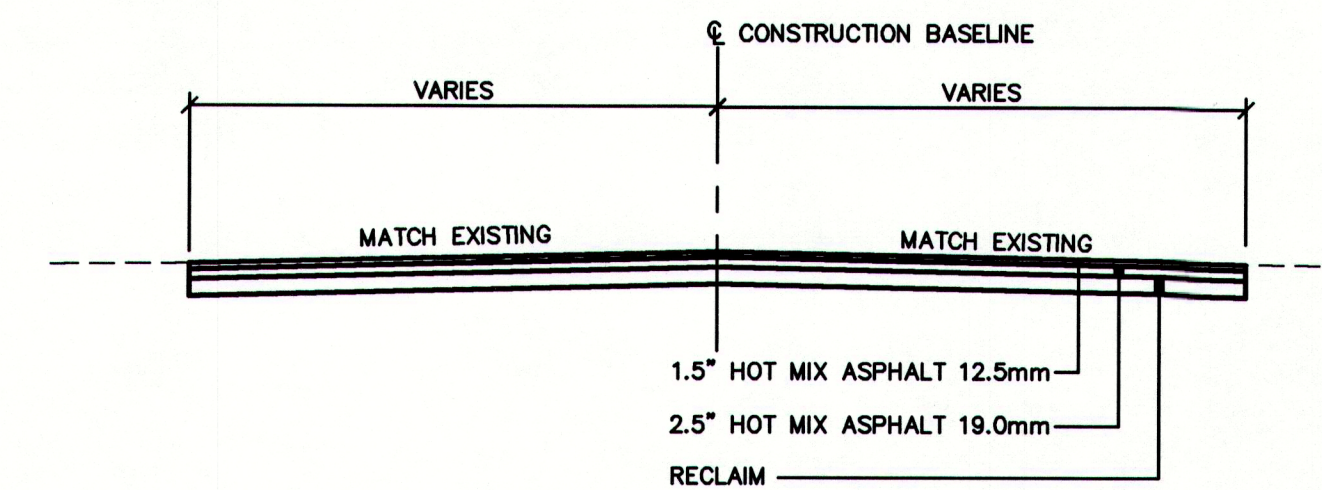


ROUTE 88 TYPICAL GUARDRAIL SECTION



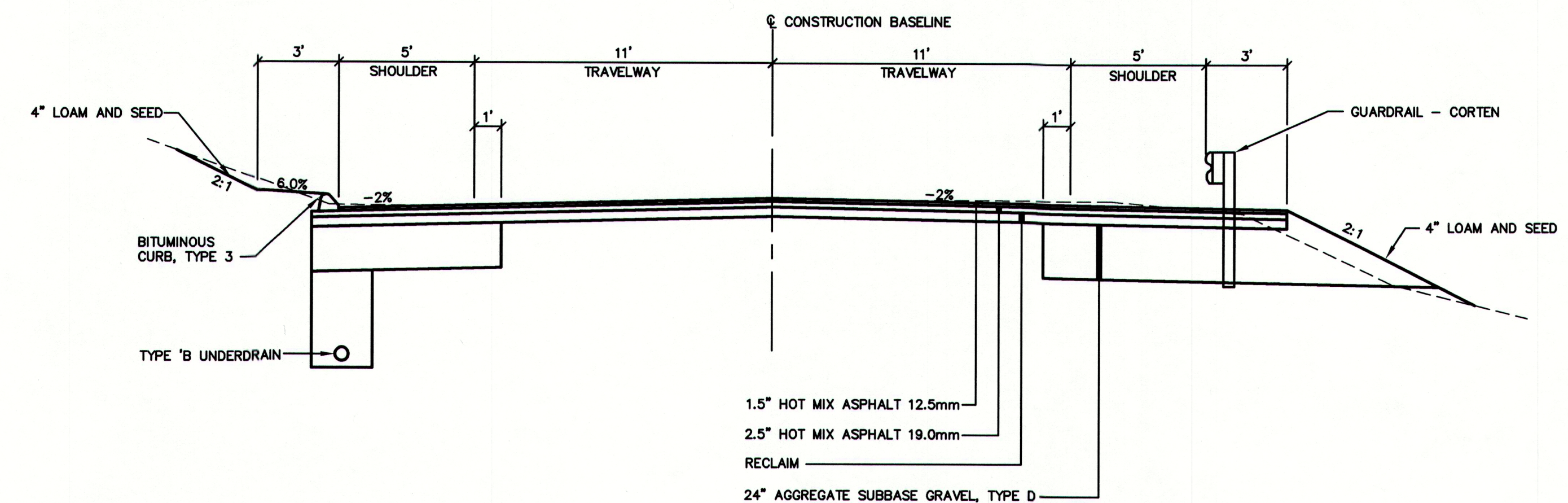
CONCRETE ROAD TRENCH DETAIL

REMOVAL OF EXISTING CONCRETE AND PLACEMENT OF CONCRETE, PAVEMENT AND GRAVEL INCLUDING ALL LABOR, MATERIAL, EQUIPMENT AND OTHER NECESSARY ITEMS SHALL BE INCIDENTAL TO THE RESPECTIVE STORM DRAIN ITEMS.



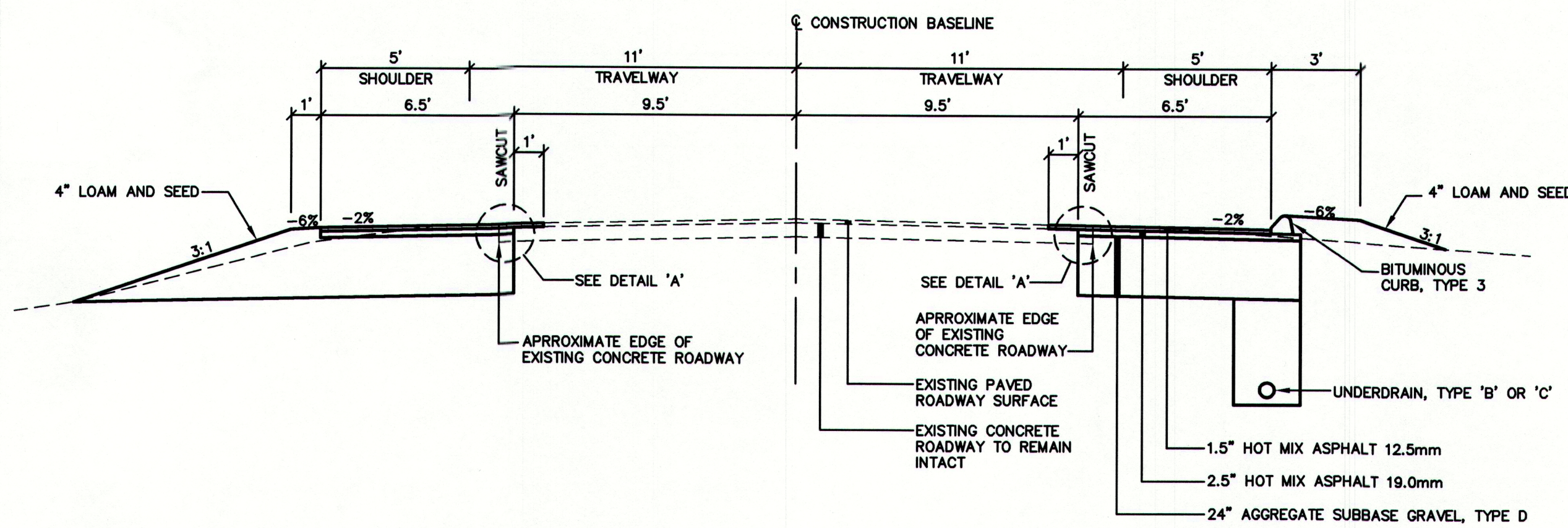
SIDE STREET TYPICAL SECTION

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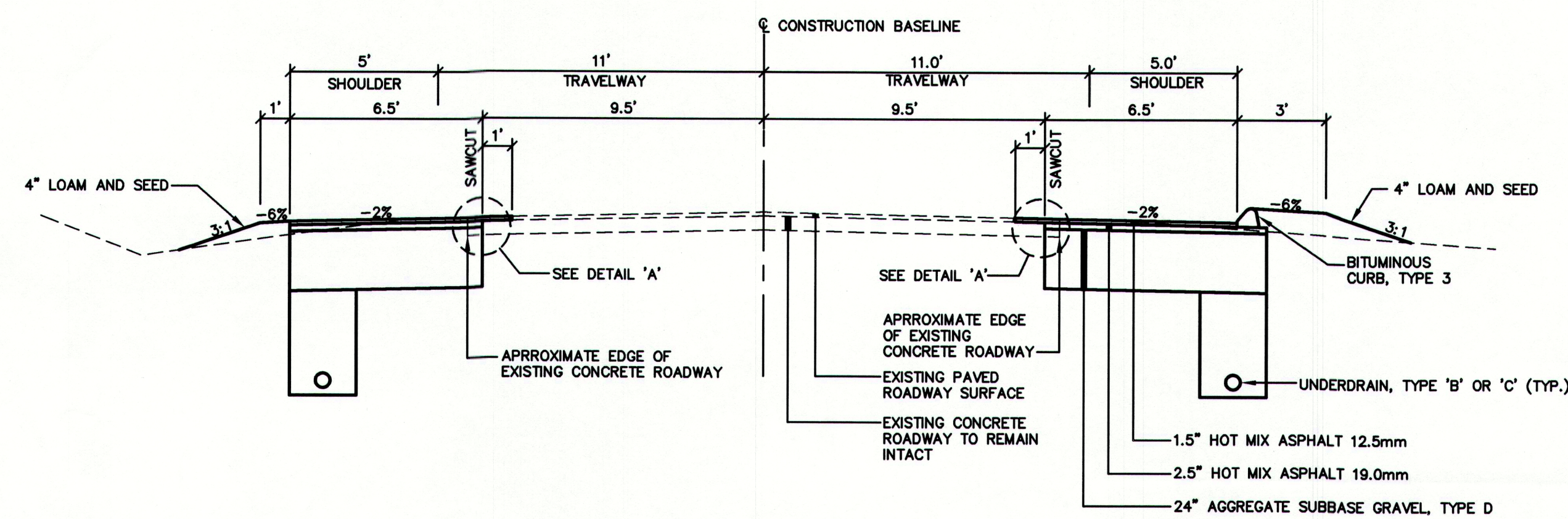


TUTTLE ROAD TYPICAL SECTION

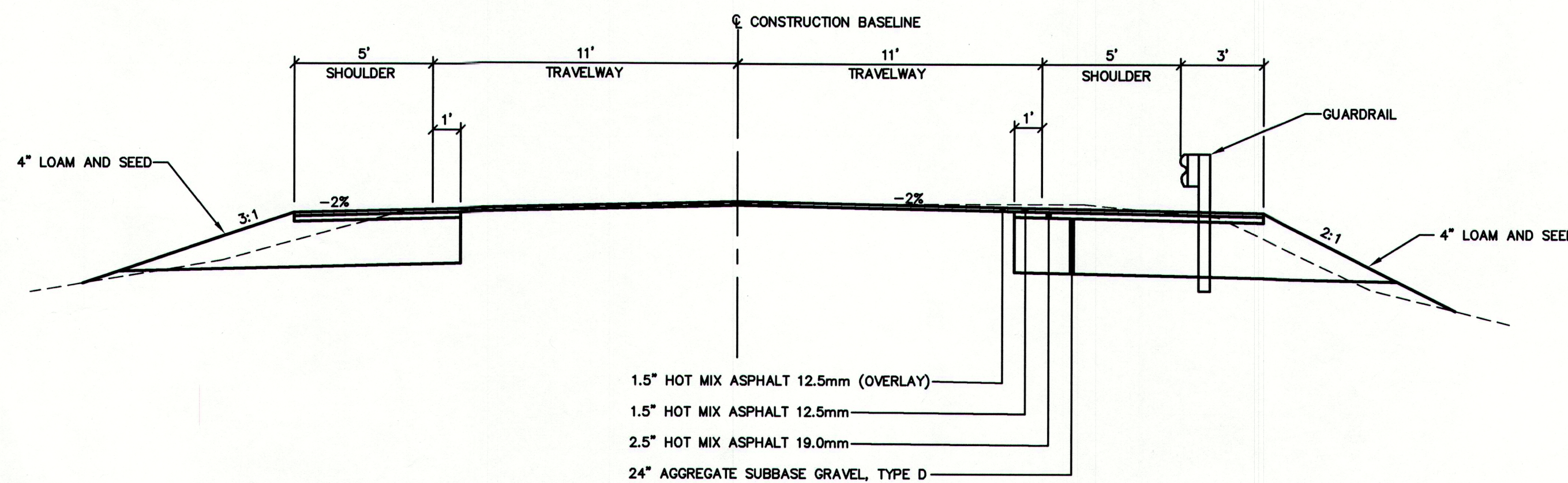
STA. 700+16 TO STA. 704+50



ROUTE 88 TYPICAL SECTION



ROUTE 88 TYPICAL SECTION



TUTTLE ROAD TYPICAL SECTION

STA. 704+50 TO STA. 707+75

U:\2239 - Route 88 Cumberland\Z - CAD\DWG\2239_TYPICAL.dwg - 12/31/2009 11:30 AM

Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RCN	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: NONE	Job No.: 2239
File Name: 2239_TYPICAL.dwg	This plan shall not be modified without written permission from Gorrill-Palmer Consulting Engineers, Inc.(GPCEI). Any alterations, authorized or otherwise, shall be at the user's sole risk and without liability to GPCEI.	

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Drawing Name:	Typical Sections
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.
2

GENERAL NOTES

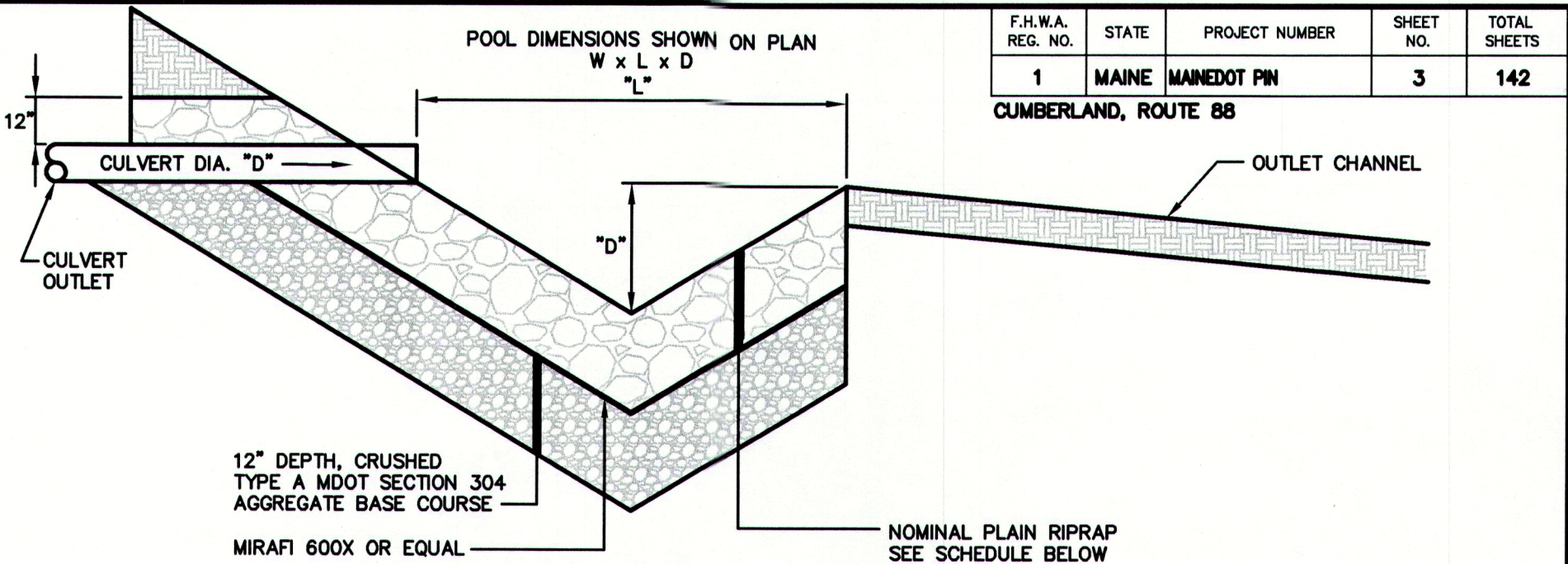
1. THE MAINEDOT AND THE TOWN OF CUMBERLAND SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED. THE MAINEDOT AND THE TOWN OF CUMBERLAND SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS OR SPECIFICATIONS.
2. ALL SIGNING, SIGNAL AND STRIPING MATERIALS AND PLACEMENT SHALL CONFORM TO THE MAINEDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS AND WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 2003 EDITION.
3. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS, AND SEEDING METHOD NO. 2 SHALL BE USED IN ALL OTHER LOCATIONS.
4. DISPOSITION OF SURPLUS MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SURPLUS MATERIAL SHALL NOT BE DISPOSED OF ON THE PROJECT SITE. DISPOSITION SHALL BE MADE ONLY AT WASTE AREAS WHICH ARE LICENSED TO ACCEPT SUCH MATERIALS, UNLESS THE MATERIALS CAN BE INCORPORATED IN FILLS IN OTHER PROJECTS OF THE CONTRACTOR.
5. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUBPART P OF 29 CRF PART 1926.650--652 (CONSTRUCTION STANDARD FOR EXCAVATIONS).
6. THE CONTRACTOR SHALL CONTACT DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SUBSURFACE ACTIVITIES.
7. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.
8. ALL CLEARING AND TRIMMING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING AND TRIMMING SHALL BE ESTABLISHED BY THE CONTRACTOR AND APPROVED IN THE FIELD BY THE ENGINEER.
9. BUTT JOINTS SHALL BE USED AT ALL LOCATIONS WHERE THE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OPENING PERMITS. CONTRACTOR SHALL BE RESPONSIBLE APPLYING FOR AND ALL COSTS ASSOCIATED WITH OBTAINING OPENING PERMITS FROM THE MDT.
11. MAINTENANCE OF TRAFFIC SHALL BE PER THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 2003 EDITION.
12. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL NECESSARY BARRICADES, LIGHTS, WARNING SIGNS AND OTHER DEVICES TO SAFEGUARD TRAFFIC PROPERLY WHILE WORK IS IN PROGRESS FOR THE DURATION OF THE PROJECT.
13. DRIVEWAY ACCESSSES SHALL BE MAINTAINED AT ALL TIMES.
14. THE CONTRACTOR SHALL SUBMIT A PLAN TO CONTROL TRAFFIC DURING THE PERIOD OF CONSTRUCTING THE IMPROVEMENTS TO THE MAINEDOT, ENGINEER AND THE TOWN OF CUMBERLAND FOR APPROVAL WHICH CONFORMS TO THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", 2003 EDITION. THE CONTRACTOR MUST MAINTAIN TWO WAY TRAFFIC WHENEVER PRACTICABLE AND MUST MAINTAIN AT LEAST ONE WAY ALTERNATING TRAFFIC FLOW AT ALL TIMES. ALL TRAFFIC SHALL BE CONTROLLED DURING THE PERIOD OF CONSTRUCTION IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN APPROVED BY THE MAINEDOT.
15. THE CONTRACTOR SHALL COMPLY WITH THE INSURANCE REQUIREMENTS OUTLINED UNDER SECTION 110 IN THE DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES" (HEREAFTER STANDARD SPECIFICATIONS). MINIMUM INSURANCE REQUIREMENTS SHALL INCLUDE AT LEAST WORKERS' COMPENSATION INSURANCE, COMMERCIAL GENERAL LIABILITY AND AUTOMOBILE LIABILITY INSURANCE AS DEFINED THEREIN. THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT WITH SATISFACTORY PROOF OF SUCH INSURANCE COVERAGE. IN THE EVENT THAT SUCH INSURANCE IS TERMINATED OR CANCELED WITHOUT BEING REPLACED WITH COMPARABLE INSURANCE, THE DEPARTMENT MAY SUSPEND OR TERMINATE THE CONSTRUCTION OF ALL TRAFFIC IMPROVEMENTS IN PROGRESS AT THE TIME OF SUCH TERMINATION OR CANCELLATION.
16. THE CONTRACTOR SHALL PROVIDE THE MAINEDOT AND THE TOWN WITH A PERFORMANCE BOND, CERTIFIED CHECK OR OTHER NEGOTIABLE SECURITY ACCEPTABLE TO THE OWNER IN THE FULL AMOUNT OF THE COST TO CONSTRUCT SUCH IMPROVEMENTS WHICH CONFORMS TO THE GENERAL REQUIREMENTS FOR SUCH SURETY AS OUTLINED UNDER SECTION 110.02 IN THE STANDARD SPECIFICATIONS.
17. THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT AND THE TOWN OF CUMBERLAND WITH A SCHEDULE OF WORK FOR CONSTRUCTING THE IMPROVEMENTS, AND AN EMERGENCY CONTACT LIST.
18. ALL IMPROVEMENTS SHALL BE CONSTRUCTED AS SHOWN ON THE FINAL PLANS IN ACCORDANCE WITH THE MAINEDOT STANDARD SPECIFICATIONS, DETAILS AND ANY REVISIONS.
19. THE CONTRACTOR SHALL ALLOW OR ARRANGE FOR THE MAINEDOT, ITS INSPECTORS, AGENTS, EMPLOYEES, CONTRACTORS OR INVITED GUESTS, TO ENTER UPON ANY LAND OWNED OR CONTROLLED BY THE DEVELOPER OUTSIDE OF AND ADJOINING THE RIGHT-OF-WAY OF ANY HIGHWAY OR PUBLIC WAY, WHICH MAYBE USED FOR CONSTRUCTION OF THE TRAFFIC IMPROVEMENTS, AT ANY AND ALL TIMES AND FOR ANY AND ALL PURPOSES NECESSARY OR INCIDENTAL TO SUCH INSPECTION OR TESTING.
20. THE PLACEMENT OF BITUMINOUS PAVING MATERIALS SHALL BE SUBJECT TO ALL OF THE WEATHER AND SEASONAL LIMITATIONS OUTLINED UNDER SECTION 401.06 IN SECTION 401, DATED MARCH 25, 2009.
21. ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE AND RESET POST SIGNS, MAILBOXES, AND POLES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT BID PRICES. IF ANY DAMAGE OCCURS TO POSTS, SIGNS, MAILBOXES OR ASSOCIATED HARDWARE DURING REMOVAL, STORAGE OR RESETTING, THE DAMAGED MATERIALS SHALL BE REPLACED BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
22. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR THE ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. UNDERGROUND FACILITIES INDICATED ON THE CROSS SECTIONS HAVE BEEN CARRIED OVER FROM THE PLAN VIEW DATA AND MAY ALSO INCLUDE FURTHER APPROXIMATIONS OF THE ELEVATIONS (DEPTHS) BASED UPON STRAIGHT LINE INTERPOLATION FROM THE NEAREST MANHOLES, GATE VALVES, OR TEST PITS. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK AND SCHEDULE AND THE UTILITY RELOCATION WORK WITH THE PROPER UTILITY COMPANY. UTILITY CONTACTS FOR THIS PROJECT ARE:
- CENTRAL MAINE POWER
ATTN: GARY CRABTREE
162 CANCO ROAD
PORTLAND, ME 04103
(207) 828-2860

PORTLAND WATER DISTRICT
ATTN: FRANK MEADER
PO BOX 3553
225 DOUGLASS STREET
PORTLAND, ME 04530
(207) 774-5981

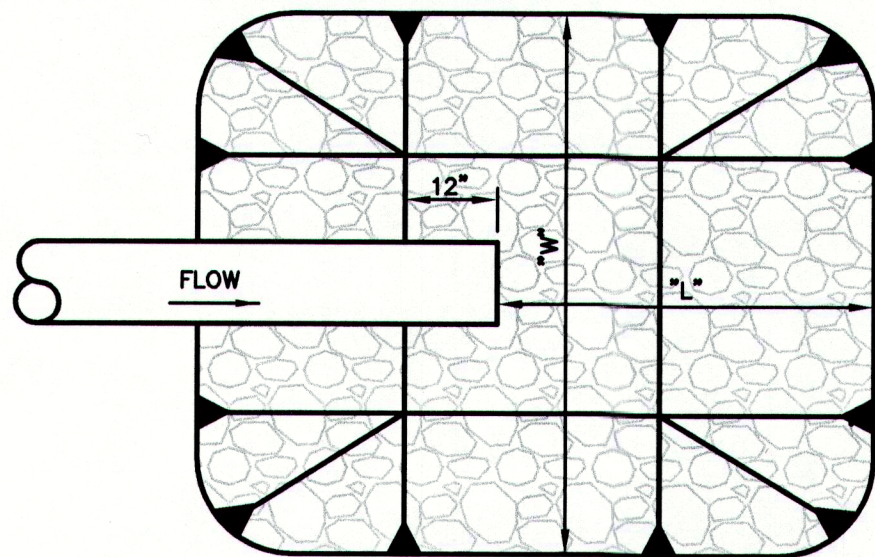
VERIZON
ATTN: MARTI PEASE
5 DAVIS FARM ROAD
PORTLAND, ME 04103
(207) 797-1119

TIME WARNER CABLE
ATTN: GLENN RAYMOND
118 JOHNSON ROAD
PORTLAND, ME 04102
(207) 253-2291
23. ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE HIS OWN MATERIAL SCHEDULES BASED UPON HIS PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.
24. PROPERTY LINE AND R.O.W. MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTOR'S EXPENSE, BY A MAINE PROFESSIONAL LAND SURVEYOR.
25. EXISTING CONDITIONS BASED ON SURVEY COMPLETED BY BOUNDARY POINTS.
26. CONSTRUCTION SHALL NOT COMMENCE UNTIL AUTHORIZED BY THE TOWN, THE MAINEDOT AND THE ENGINEER.
27. THE CONTRACTOR SHALL SUBMIT A QC PLAN AS OUTLINED IN SECTION 401 OF THE SPECIAL PROVISIONS FOR APPROVAL BY THE MAINEDOT AND ENGINEER. THE ACCEPTANCE METHOD SHALL BE METHOD D. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF ANY PAVING. THE DENSITY REQUIREMENTS AND DISINCENTIVE SHALL APPLY AS OUTLINED IN SECTION 401.204 OF THE MAINE DOT STANDARD SPECIAL PROVISION, SECTION 401, DATED MARCH 25, 2009. HOLES RESULTING FROM CORES SHALL BE FILLED WITH HOT MIX ASPHALT THE SAME DAY THAT THE CORES ARE CUT.
28. ALL PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED SHALL BE REMOVED IN ACCORDANCE WITH THE MAINEDOT SPECIFICATIONS.
29. ALL NEW SIGNS SHALL HAVE HIGH INTENSITY REFLECTIVE SHEETING. WHEN WOOD POSTS ARE USED THEY SHALL BE PRESSURE TREATED.
30. A TACK COAT OF EMULSIFIED ASPHALT, RS-1 OR FHM-1 SHALL BE APPLIED TO ANY EXISTING PAVEMENT AT A RATE OF APPROXIMATELY 0.025 GALLON/S.Y., AND ON MILLED PAVEMENT APPROXIMATELY 0.050 GALLONS/S.Y. A FOG COAT OF EMULSIFIED ASPHALT SHALL BE BETWEEN SHIM/INTERMEDIATE COURSE AND THE SURFACE COURSE, AT A RATE NOT TO EXCEED 0.025 GALLONS/S.Y.
31. THE CONTRACTOR SHALL COMPLETE THE WORK WITHIN RIGHTS-OF-WAY OR EASEMENTS, AND WILL BE RESPONSIBLE IF TRESPASSING OCCURS ON PRIVATE PROPERTY.
32. ALL EXISTING WATER VALVE COVERS AND ANY OTHER EXISTING UTILITIES SHALL BE ADJUSTED TO GRADE BY THE APPROPRIATE UTILITY COMPANY.
33. ALL EXISTING DRAINAGE CATCH BASIN AND OUTLET INFORMATION SHALL BE FIELD VERIFIED PRIOR TO ORDERING NEW STRUCTURES.
34. LOCATIONS OF LEDGE AS SHOWN ON PROFILES ARE APPROXIMATE AND BASED ON PLANS PREPARED BY E.C. JORDAN CO., TITLED "CUMBERLAND INTERCEPTOR SEWER SYSTEM, CONTRACT 2, E.P.A. NO. C230185-03" DATED 1983.
35. ALL GUARDRAIL SHALL BE CORTEN OR APPROVED EQUIVALENT.
36. METAL PIPE SHALL NOT BE USED ON THE PROJECT, WITH THE EXCEPTION OF THE 49"x33" PIPE ARCH.

37. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT. ESTIMATED GRUBBING DEPTHS ARE 6 INCHES IN FIELD AREAS AND 12 INCHES IN WOODED AREAS.
38. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
39. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.
40. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.
41. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 1.25 INCHES HOT MIX ASPHALT 9.5mm AND 1.75 INCHES HOT MIX ASPHALT 12.5mm AND 12 INCHES AGGREGATE SUBBASE COURSE GRAVEL.
42. UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES AGGREGATE SUBBASE COURSE GRAVEL OR 11 INCHES AGGREGATE SUBBASE COURSE GRAVEL AND 3 INCHES UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT. A 3' PAVED APRON SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
43. PLACE 12 INCHES GRAVEL AND 2 INCHES HOT MIX ASPHALT AROUND CATCH BASINS IN GRASSED AREAS AND PAINT WITH ACRYLIC LATEX COLOR FINISH - GREEN. PAYMENT SHALL BE UNDER THE APPLICABLE CONTRACT ITEMS EXCEPT FOR THE PAINT WHICH SHALL BE CONSIDERED INCIDENTAL TO THE OTHER CONTRACT ITEMS.
44. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
45. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
- ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
 - ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
 - ALL DITCHING AT PIPE ENDS
 - FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED UNDER PIPES.
 - GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
 - ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
 - FLOW LINES MAY BE CHANGED BY 1.5 FT
 - ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT CULVERT ENDS
 - BACKFILL
46. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
47. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
48. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY.
48. ALL 6 INCH TYPE "B" NOT SHOWN ON THE CROSS SECTIONS WILL HAVE A FLOW LINE OF 4.0 FEET IN NON-LEDGE SECTIONS AND 3.5 FEET IN LEDGE SECTIONS BELOW FINISH GRADE DIRECTLY ABOVE THE UNDERDRAIN AND UNDERDRAIN SAND BACKFILL PLACED TO AN ELEVATION EQUAL TO THE BOTTOM OF THE NEW GRAVEL LAYER. ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE THE FLOW LINE SCALED FROM THE CROSS SECTIONS. ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.
50. A 3 FT. X 3 FT. SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT U.D. OUTLETS.
51. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
52. HOLES CREATED BY GUARDRAIL REMOVAL WILL BE FILLED AND COMPACTED WITH APPROVED MATERIALS AS DIRECTED BY THE RESIDENT. PAYMENT TO BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
53. TWO REFLECTORIZED U-CHANNEL G.R. MARKERS WILL BE INSTALLED AT EACH GUARDRAIL END, AND SHALL BE INCIDENTAL TO THE 606 ITEMS.
54. A DELINEATOR POST (ITEM 606.35) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET, AND SHALL BE INCIDENTAL TO THE 606 ITEMS.
55. BACKING UP BITUMINOUS CURB IS INCIDENTAL TO THE CURB ITEMS.
56. LOAM HAS BEEN ESTIMATED FOR DISTURBED AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
57. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.
58. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. MAILBOXES SHALL BE RELOCATED SO THAT THE POSTS ARE 1 FOOT BEHIND FACE OF CURB OR AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK; IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
59. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THESE STAKES.
60. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
61. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.
62. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
63. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.
64. AFTER PAVING IS COMPLETE CONTRACTOR SHALL TRIM ALL TREE BRANCHES TO 17 FEET ABOVE THE PAVEMENT, AS WELL AS ANY BRANCHES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
65. TEST PITS OF ALL UTILITY CROSSINGS SHALL BE COMPLETED TWO WEEKS IN ADVANCE OF THE START OF CONSTRUCTION OR ORDERING OF MATERIALS. TEST PIT INFORMATION SHALL BE PROMPTLY PROVIDED TO ENGINEER FOR REVIEW.
66. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.
67. BORING LOCATIONS ARE APPROXIMATE AND BASED ON PLANS PREPARED BY E.C. JORDAN CO., TITLED "CUMBERLAND INTERCEPTOR SEWER SYSTEM, CONTRACT 2, E.P.A. NO. C230185-03" DATED 1983.
68. LOCATION OF WATER MAINS ARE APPROXIMATE AND BASED ON A COMPOSITE OF AS-BUILT PLANS AND SURVEYED FEATURES SUCH AS VALVES.
69. COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR SUPPORT OF UTILITY POLES AS NECESSARY.

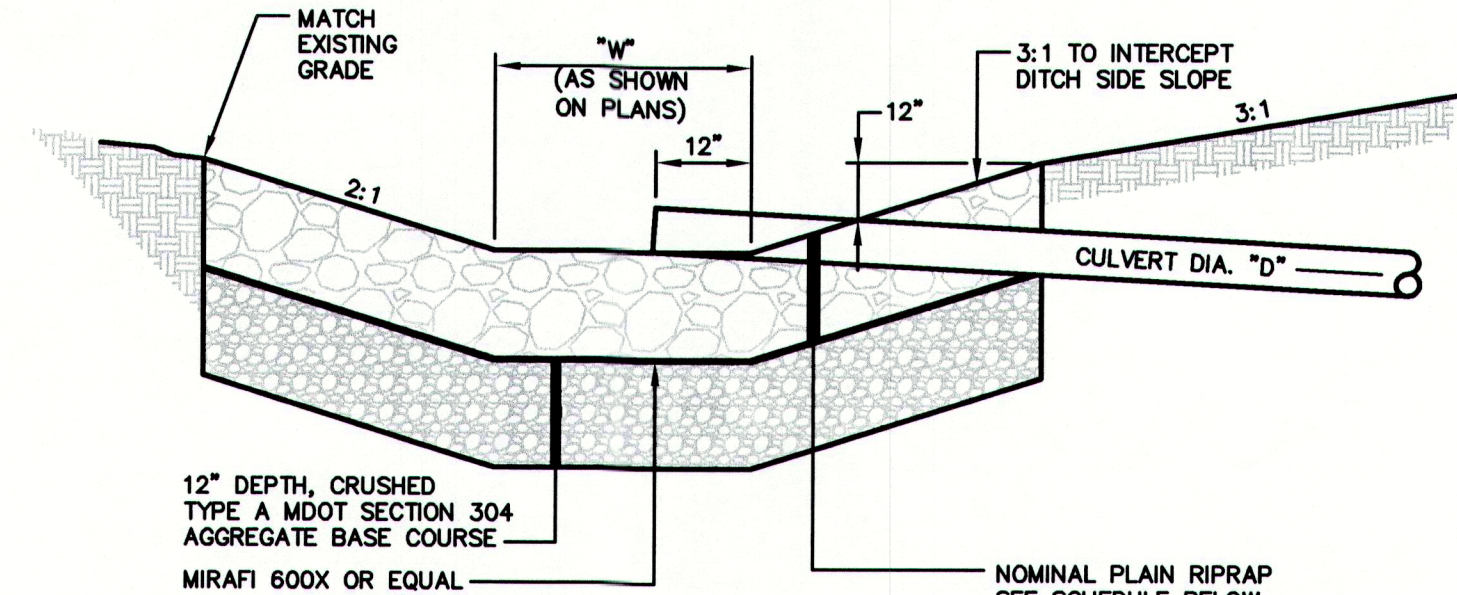


SECTION VIEW

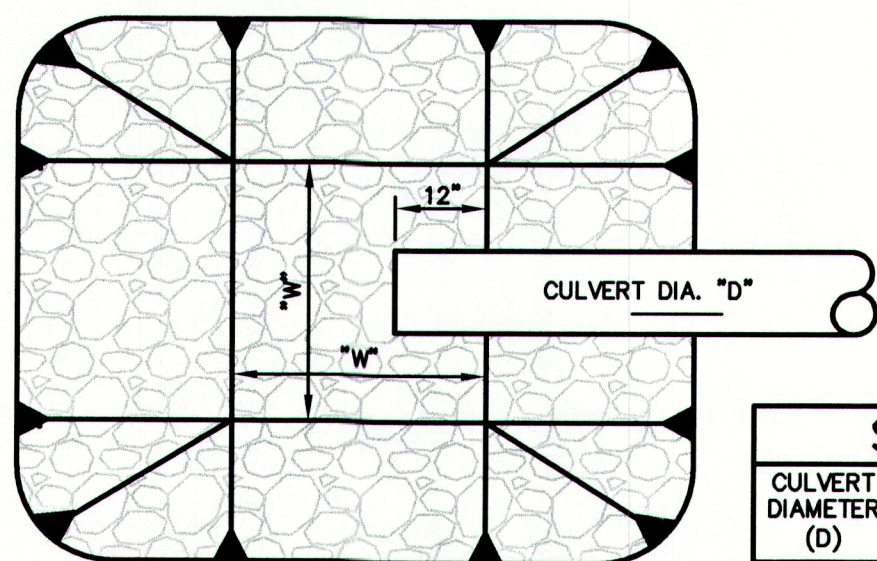


PLAN VIEW
RIP RAP PLUNGE POOL
NOT TO SCALE

SCHEDULE		
CULVERT DIAMETER (D)	STONE d50	RIPRAP THICKNESS
12"	6"	14"
15"	6"	14"
18"	6"	14"
24"	6"	14"
30"	9"	21"
42"	9"	21"
48"	9"	21"
49"x33" PIPE ARCH	9"	21"
60"	12"	27"

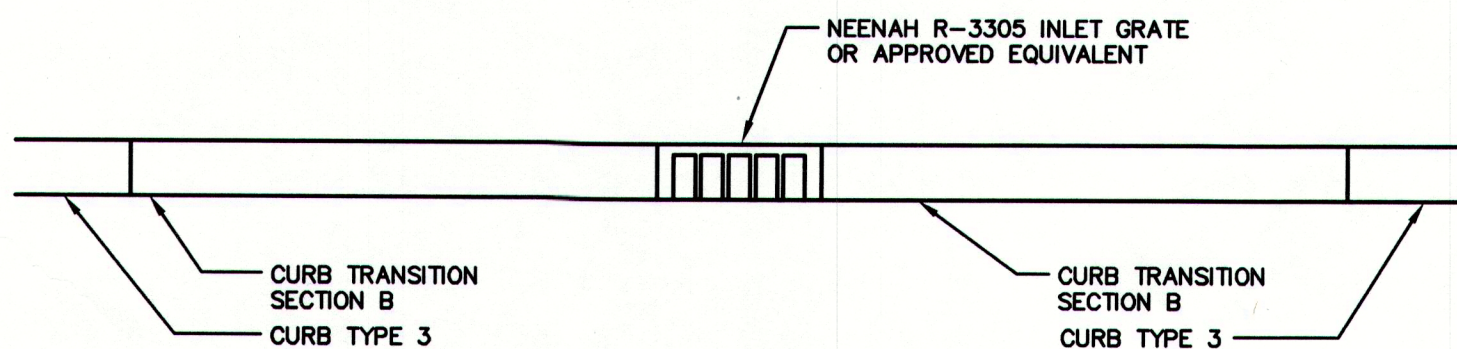


SECTION VIEW

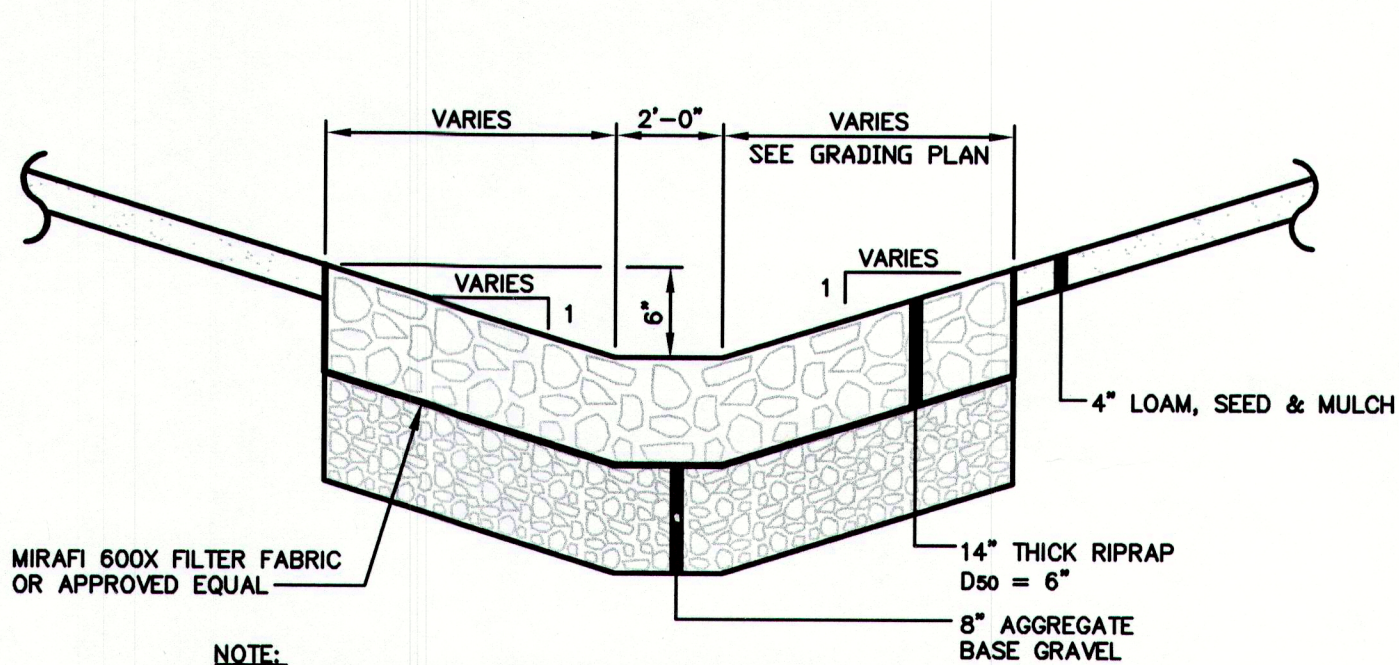


PLAN VIEW
CULVERT INLET APRON
NOT TO SCALE

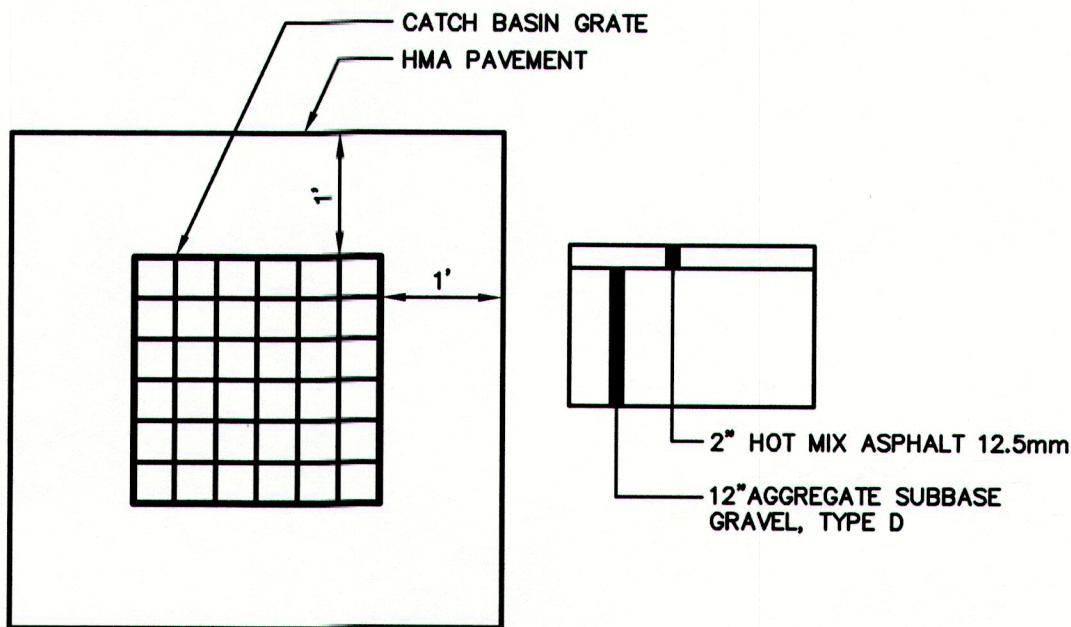
SCHEDULE		
CULVERT DIAMETER (D)	STONE d50	RIPRAP THICKNESS
12"-42"	6"	14"
48"-60"	9"	21"



CURB TRANSITION AT CURB INLET GRATES
NOT TO SCALE



RIP RAP SWALE
NOT TO SCALE




PAVED APRON
NOT TO SCALE

U:\2239 - Route 88 Cumberland\Y - CAD\DWG\2239_GENNOTES.dwg - 12/31/2009 11:30 AM

Rev.	Date	Revision

Rev.	Date	Revision

Design: RCN	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: NONE	Job No.: 2239
File Name: 2239_GENNOTES.dwg		
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207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

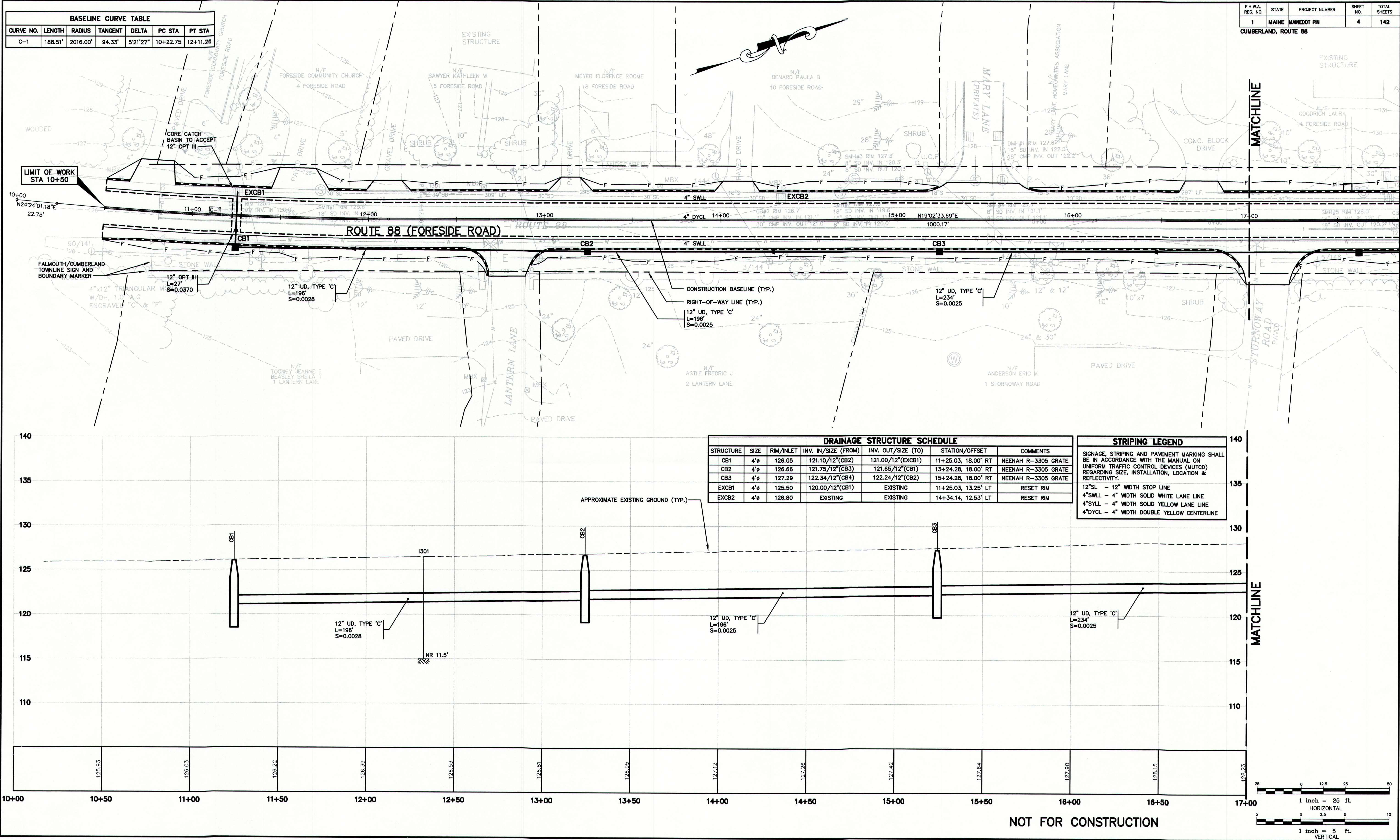
Drawing Name:	General Notes & Details
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

3



U:\2239 - Route 88 Cumberland\Z - CAD\DWG\2239_GEO1.dwg - 12/31/2009 11:31 AM

Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO1.dwg		
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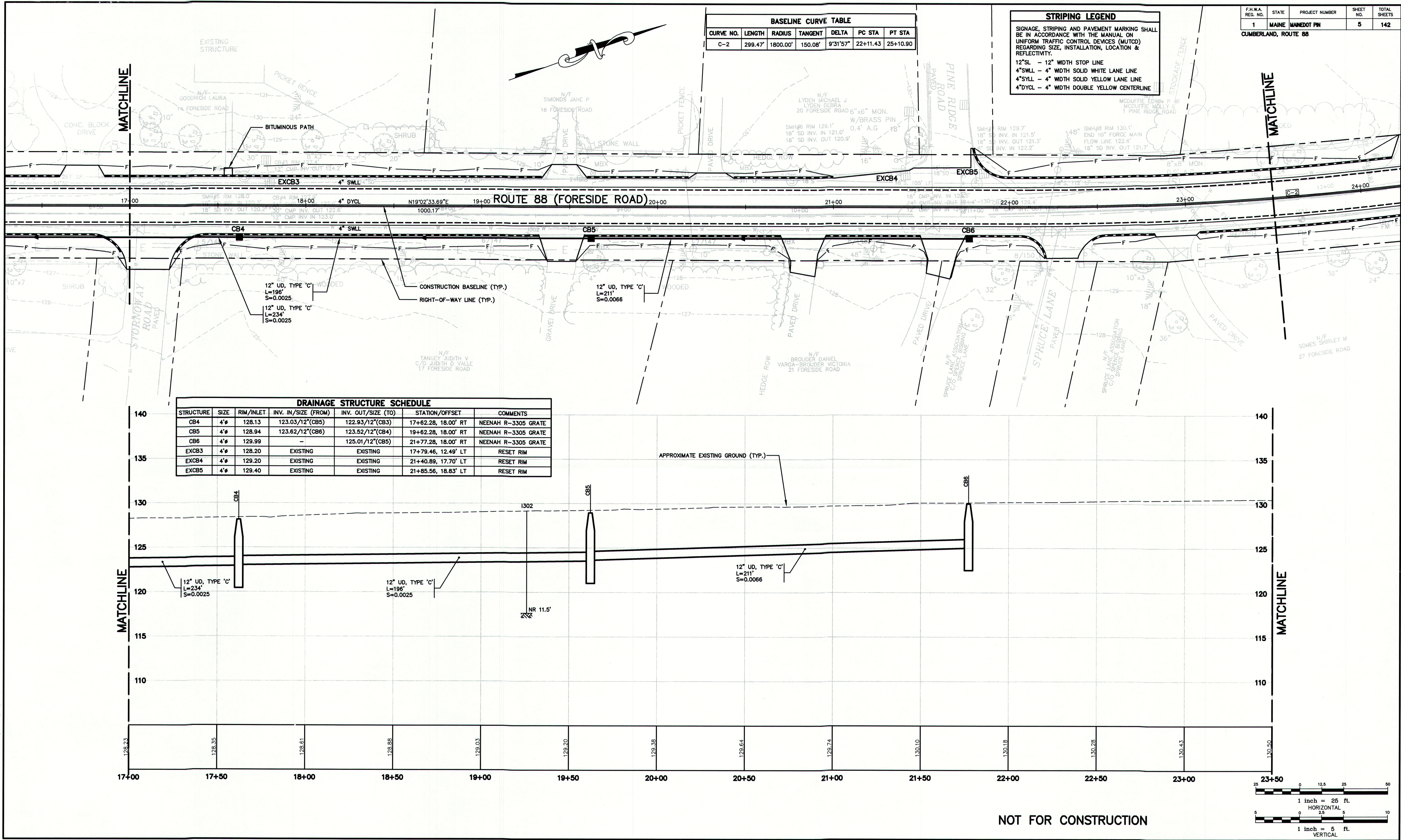
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FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.
4

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Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO1.dwg		
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Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

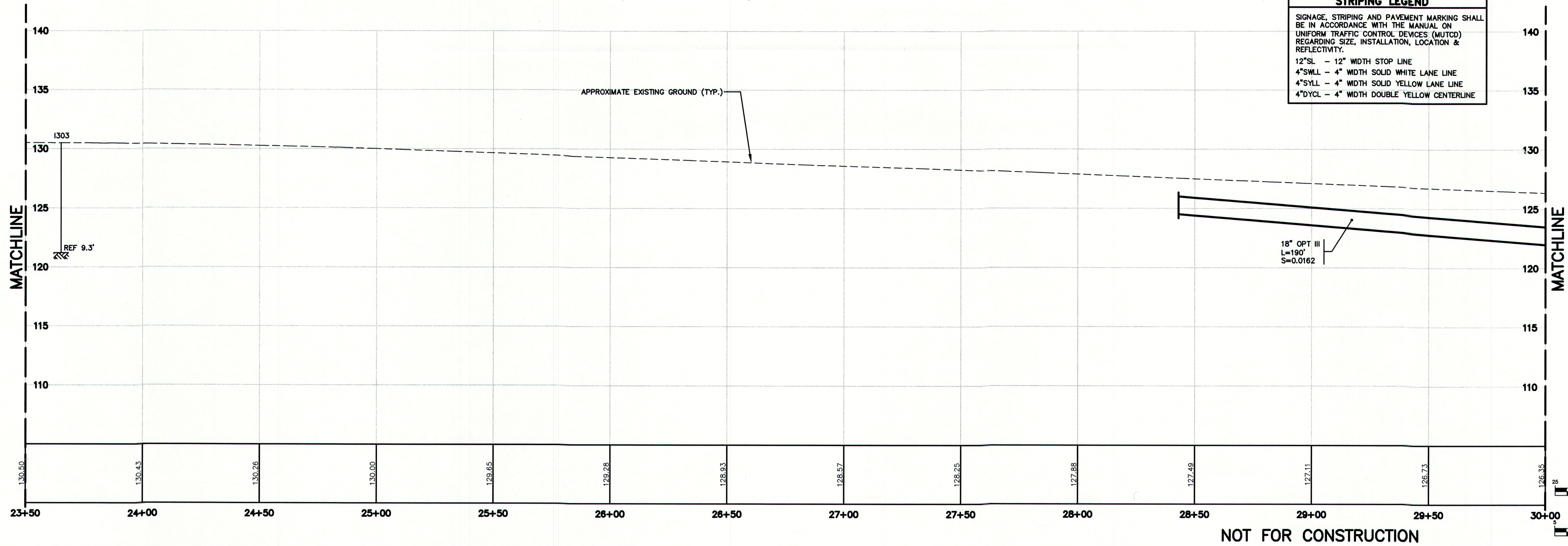
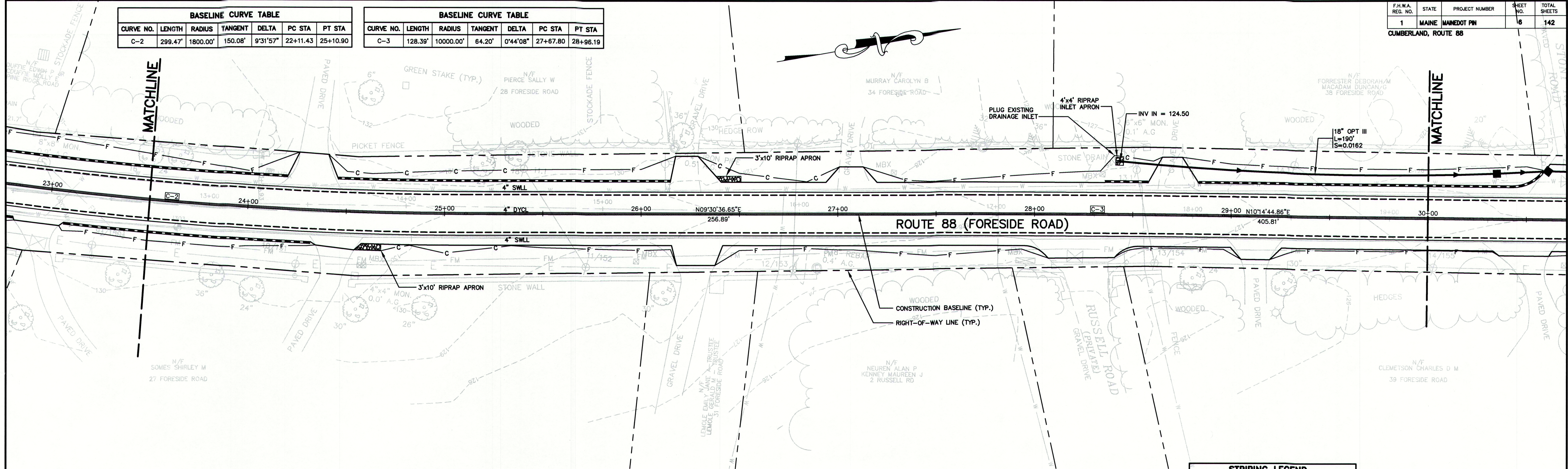
Drawing No.
5

U:\2239 - Route 88 Cumberland\Z - CAD\DWG\2239_GE01.dwg - 12/31/2009 11:32 AM

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-2	299.47'	1800.00'	150.08'	9°31'57"	22+11.43	25+10.90

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-3	128.39'	10000.00'	64.20'	0°44'08"	27+67.80	28+96.19

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	6	142
CUMBERLAND, ROUTE 88				



STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWL	4" WIDTH SOLID WHITE LANE LINE
4"SYLL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

Rev.	Date	Revision

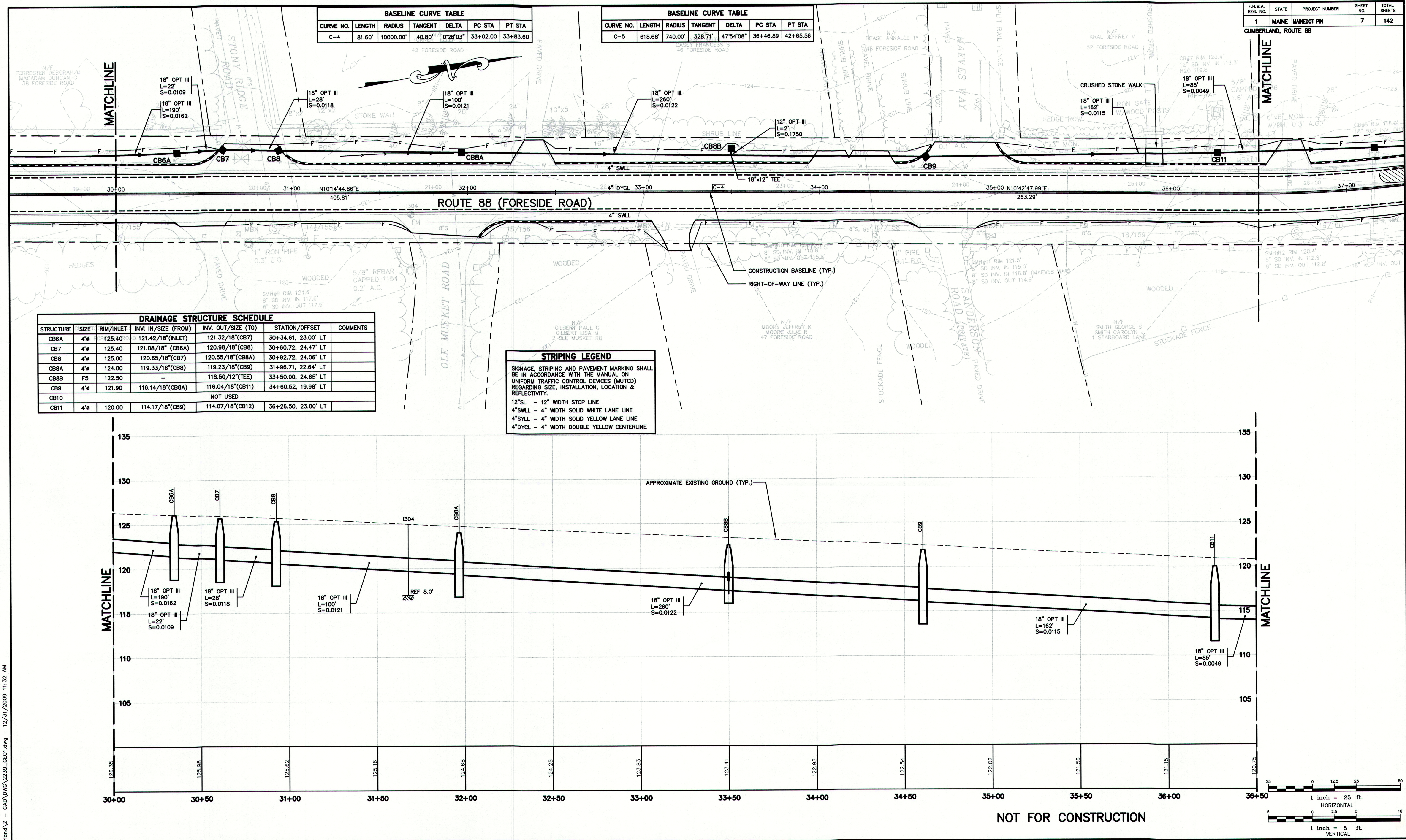
REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GE01.dwg		
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Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.
6



Rev.	Date	Revision

Design:	Draft:	Date:
RJB	DB	DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO1.dwg		
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E-Mail: mailbox@gorrellpalmer.com

Drawing Name:
Geometrics Plan & Profile Route 88 & Tuttle Road Cumberland, Maine Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021 MAINEDOT PIN

Drawing No.
7

CUMBERLAND, ROUTE 88

U:\2239 - Route 88 Cumberland\Z - CAD\DWG\2239_GEO1.dwg - 12/31/2009 11:32 AM

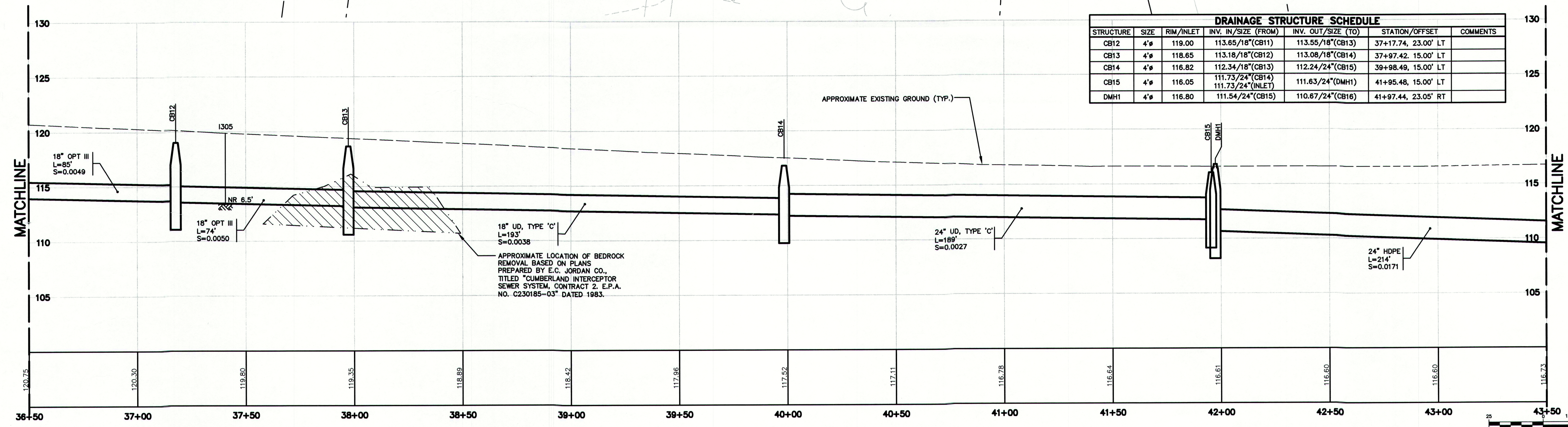
BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-5	618.68'	740.00'	328.71'	47°54'08"	36+46.89	42+65.56

STRIPING LEGEND

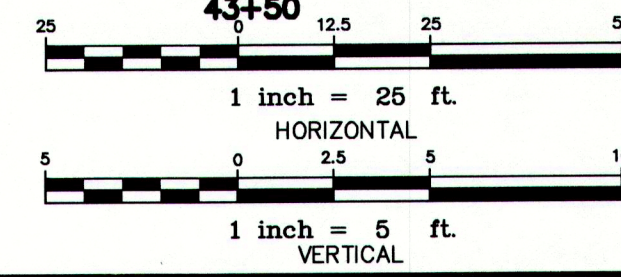
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12"SL - 12" WIDTH STOP LINE
4"SWLL - 4" WIDTH SOLID WHITE LANE LINE
4"SYLL - 4" WIDTH SOLID YELLOW LANE LINE
4"DYCL - 4" WIDTH DOUBLE YELLOW CENTERLINE

DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB12	4"	119.00	113.65/18"(CB11)	113.55/18"(CB13)	37+17.74, 23.00' LT	
CB13	4"	118.65	113.18/18"(CB12)	113.08/18"(CB14)	37+97.42, 15.00' LT	
CB14	4"	116.82	112.34/18"(CB13)	112.24/24"(CB15)	39+98.49, 15.00' LT	
CB15	4"	116.05	111.73/24"(CB14)	111.63/24"(DMH1)	41+95.48, 15.00' LT	
DMH1	4"	116.80	111.54/24"(CB15)	110.67/24"(CB16)	41+97.44, 23.05' RT	



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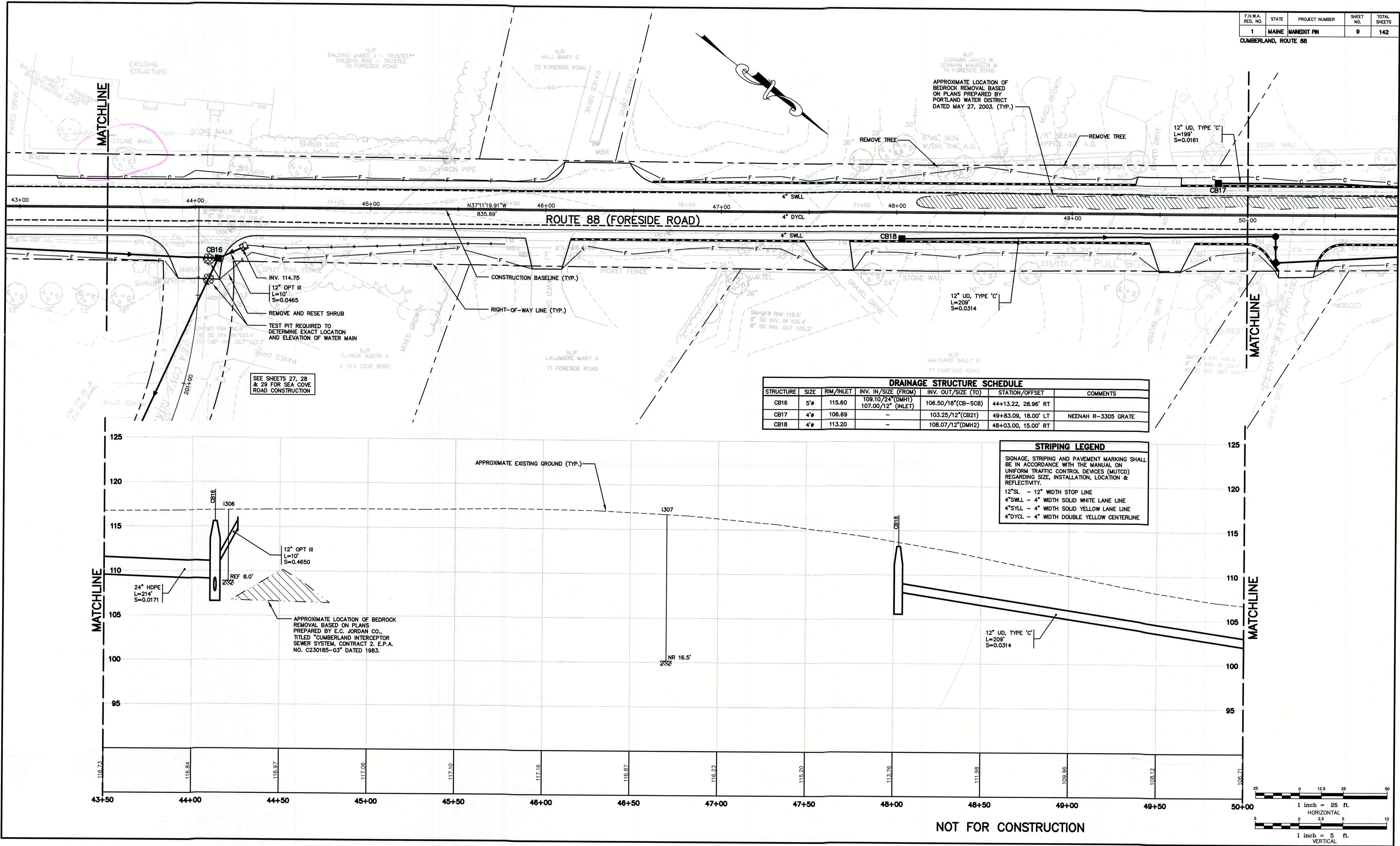
Rev.	Date	Revision

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GE01.dwg		
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Drawing Name: **Geometrics Plan & Profile**
Project: **Route 88 & Tuttle Road**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021
MAINEDOT PIN

Drawing No. **8**
CUMBERLAND, ROUTE 88



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Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO1.dwg		
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E-Mail: mailbox@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

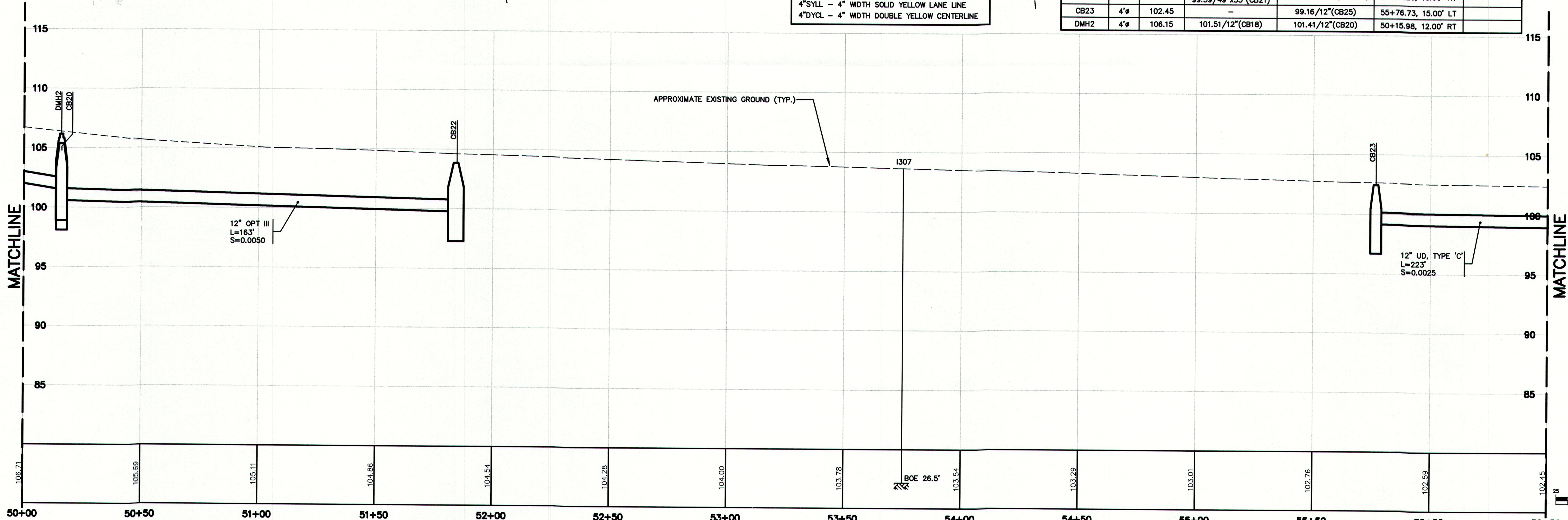
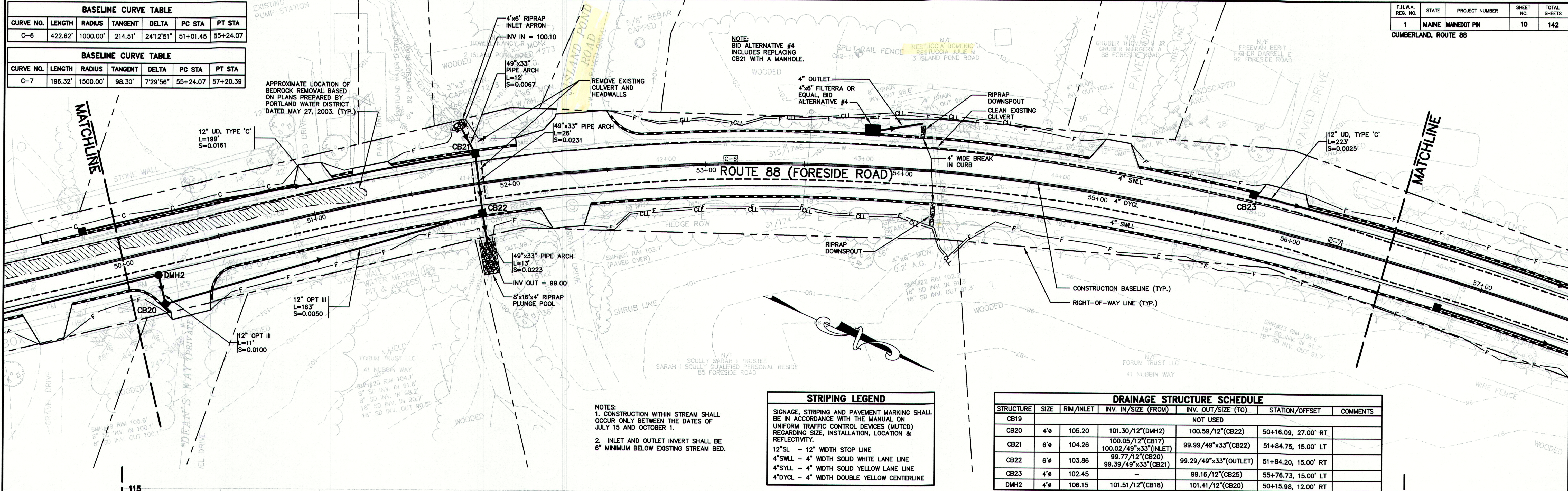
Drawing No.
9

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-6	422.62'	1000.00'	214.51'	24°12'51"	51+01.45	55+24.07

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-7	196.32'	1500.00'	98.30'	7°28'56"	55+24.07	57+20.39

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	10	142

CUMBERLAND, ROUTE 88



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Rev.	Date	Revision

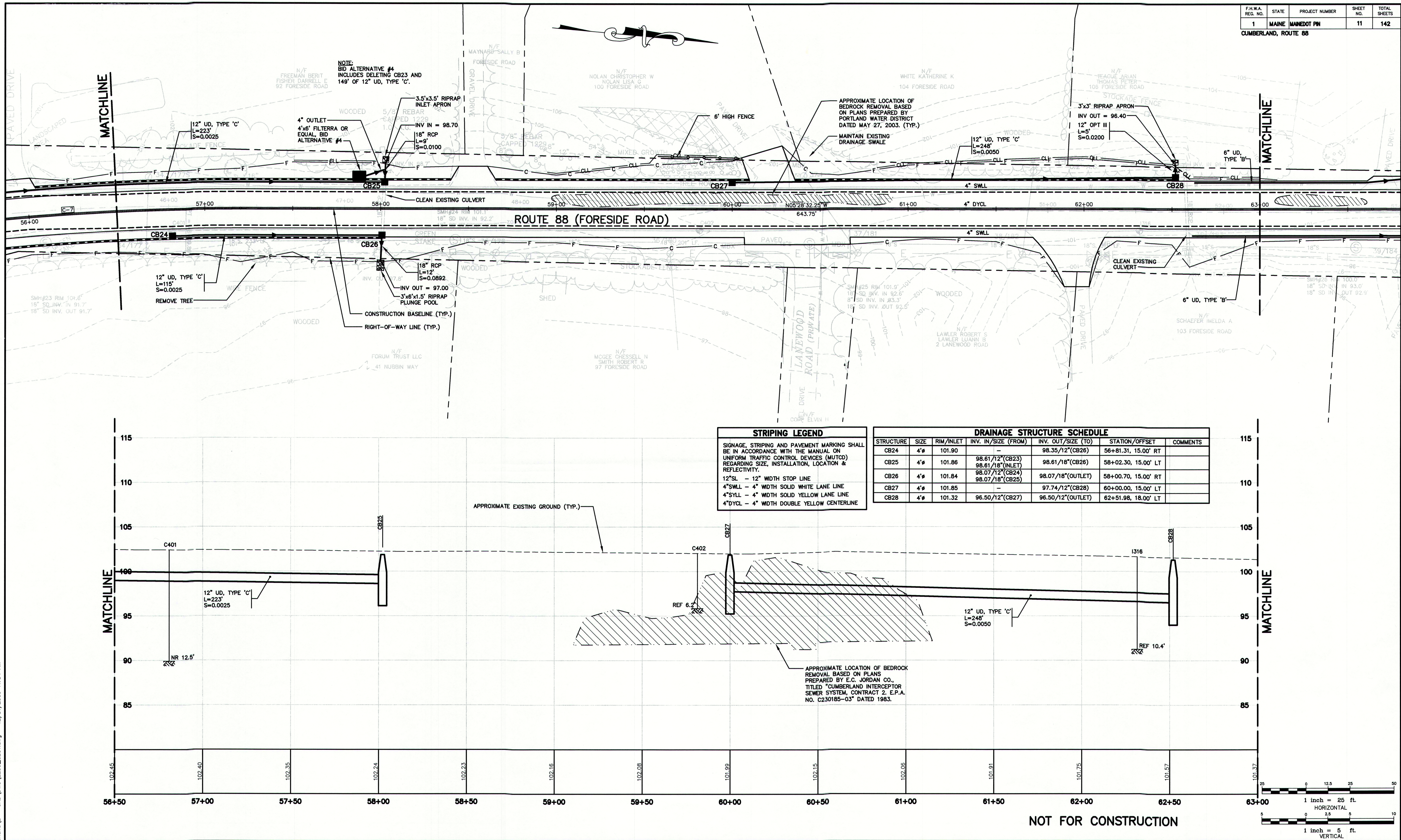
REVIEW	DATE	BY

Design: RJB	Draft: DJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO1.dwg		
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 E-Mail: mailbox@gorrillpalmer.com

Drawing Name: **Geometrics Plan & Profile**
 Project: **Route 88 & Tuttle Road**
 Client: **Cumberland, Maine**
 290 Tuttle Road, Cumberland, ME 04021
 MAINEDOT PIN

Drawing No. **10**



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Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
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Design: RJB	Draft: DB	Date: DEC 2009
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Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

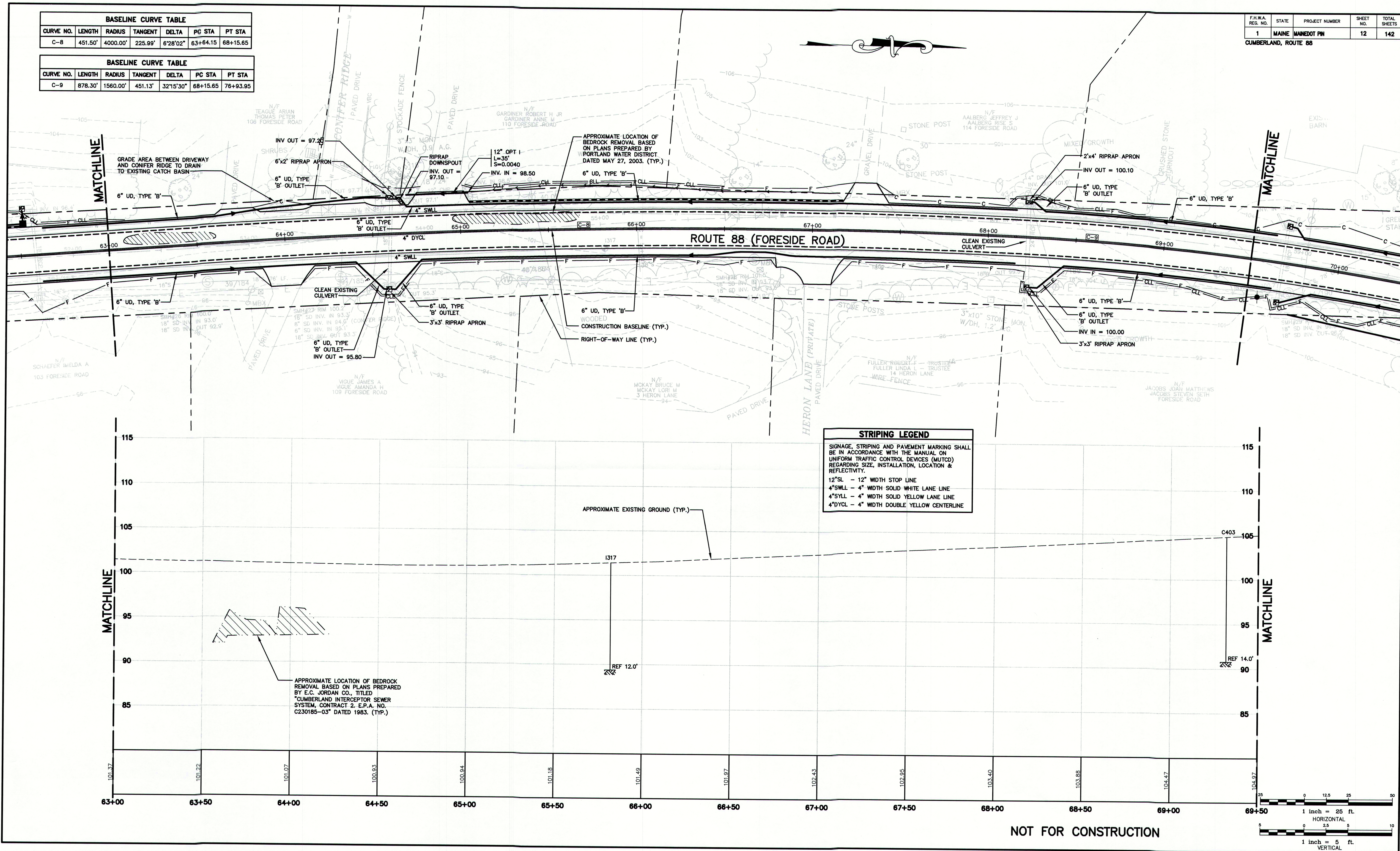
Drawing No.
11

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-8	451.50'	4000.00'	225.99'	6°28'02"	63+64.15	68+15.65

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-9	878.30'	1560.00'	451.13'	32°15'30"	68+15.65	76+93.95

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	12	142

CUMBERLAND, ROUTE 88



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Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=35'	Job No.: 2239
File Name: 2239_GEO1.dwg		
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Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

MAINEDOT PIN

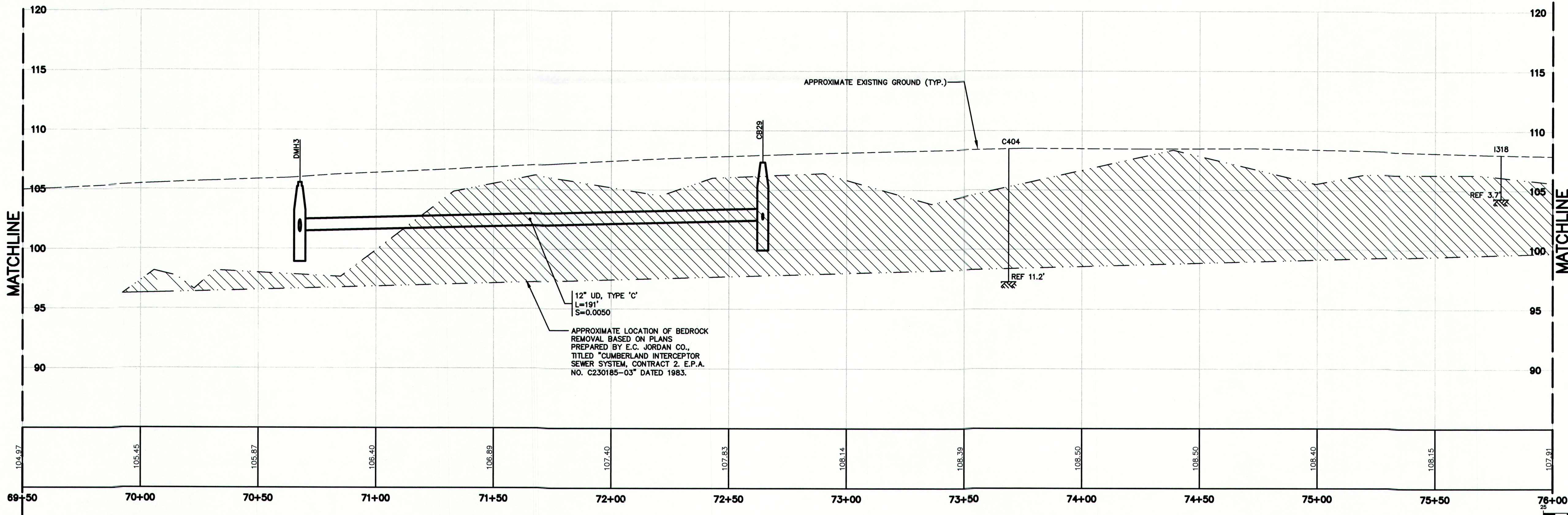
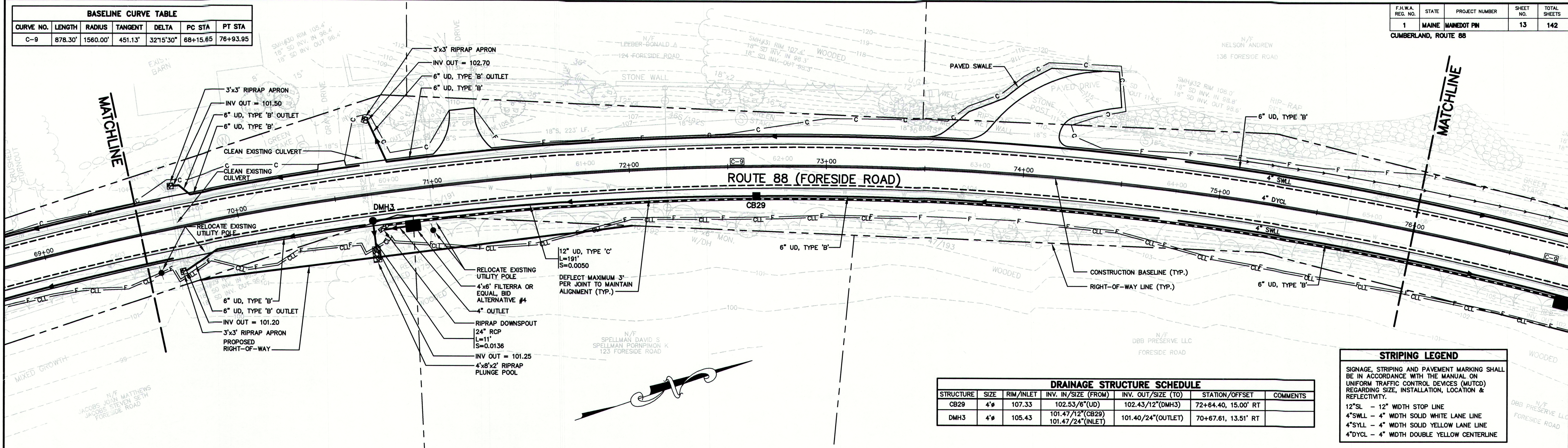
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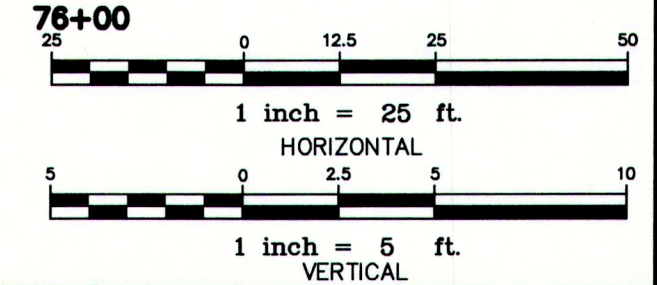
CUMBERLAND, ROUTE 88

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-9	878.30'	1560.00'	451.13'	32°15'30"	68+15.65	76+93.95

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	13	142



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Rev.	Date	Revision

REVIEW	DATE	BY

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO1.dwg		

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 Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.

13

BASELINE CURVE TABLE					
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA
C-9	878.30'	1560.00'	451.13'	32°15'30"	68+15.65

BASELINE CURVE TABLE					
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA
C-10	402.62'	1050.00'	203.82'	21°58'13"	80+51.84

STRIPING LEGEND

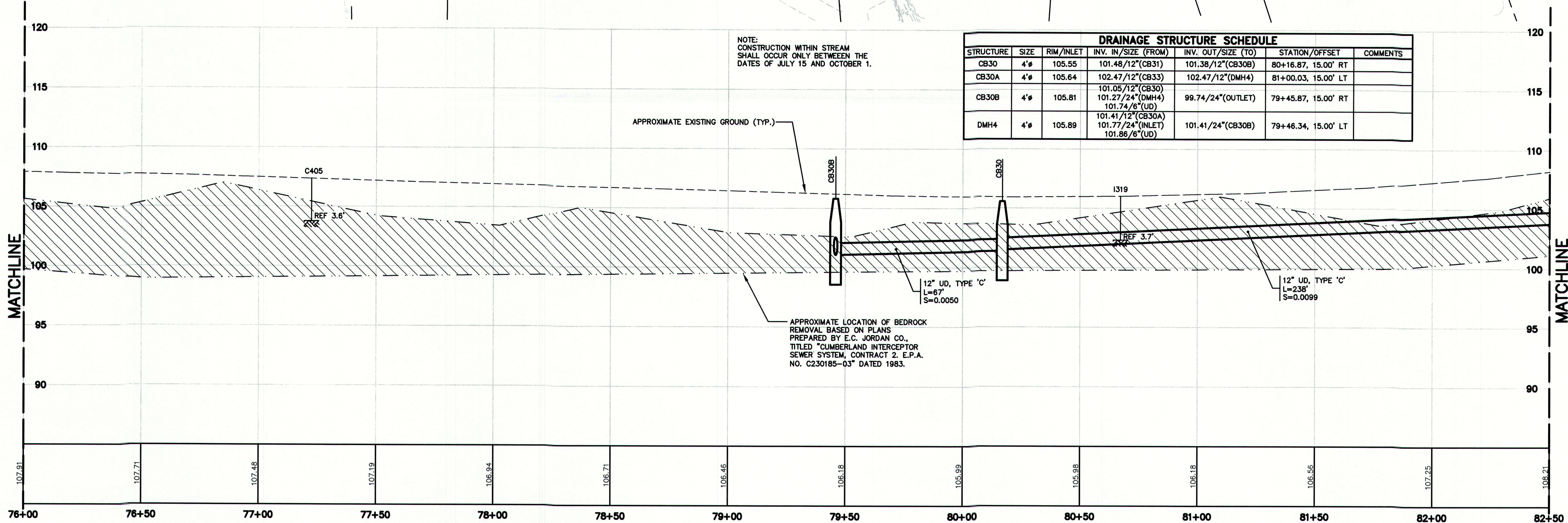
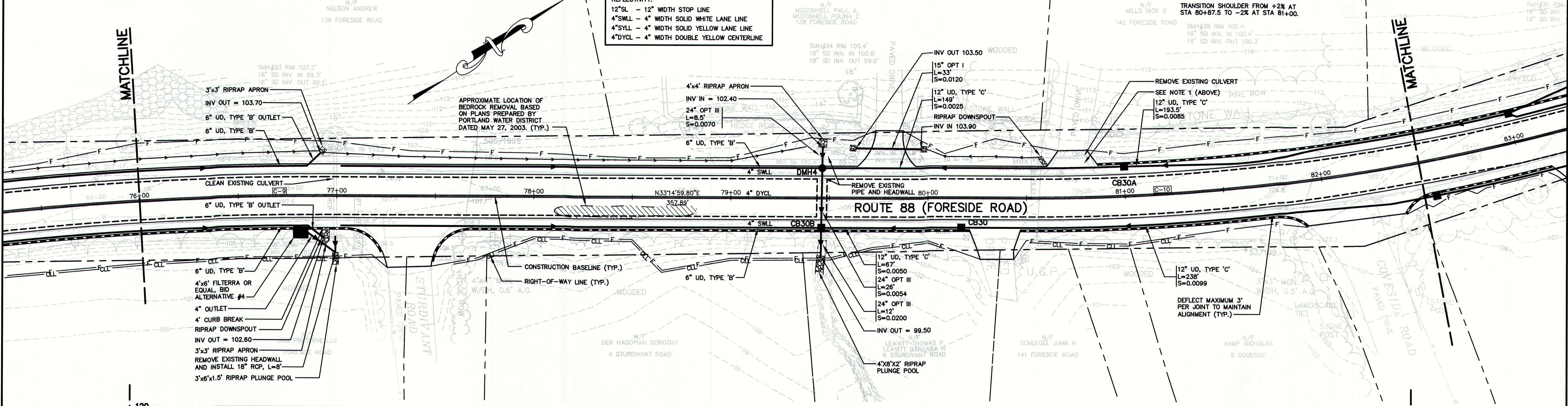
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12"SL - 12" WIDTH STOP LINE
 4"SWLL - 4" WIDTH SOLID WHITE LANE LINE
 4"SYLL - 4" WIDTH SOLID YELLOW LANE LINE
 4"DYCL - 4" WIDTH DOUBLE YELLOW CENTERLINE

NOTE 1:
 TRANSITION SHOULDER GRADE FROM -2% AT STA 80+50 TO +2% AT STA 80+62.5.
 SHOULDER SLOPE SHALL BE +2% FROM STA 80+62.5 TO STA 80+87.5.
 TRANSITION SHOULDER FROM +2% AT STA 80+87.5 TO -2% AT STA 81+00.

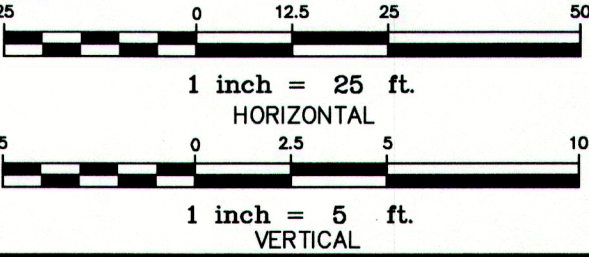
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	14	142

CUMBERLAND, ROUTE 88



DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB30	4'	105.55	101.48/12"(CB31)	101.38/12"(CB30B)	80+16.87, 15.00' RT	
CB30A	4'	105.64	102.47/12"(CB33)	102.47/12"(DMH4)	81+00.03, 15.00' LT	
CB30B	4'	105.81	101.05/12"(CB30)	101.27/24"(DMH4)	79+45.87, 15.00' RT	
DMH4	4'	105.89	101.41/12"(CB30A)	101.77/24"(INLET)	79+46.34, 15.00' LT	

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Rev.	Date	Revision

REVIEW	DATE	BY

Design: RJB Draft: DII Date: DEC 2009
 Checked: RCN Scale: 1"=25' Job No.: 2239
 File Name: 2239_GE02.dwg

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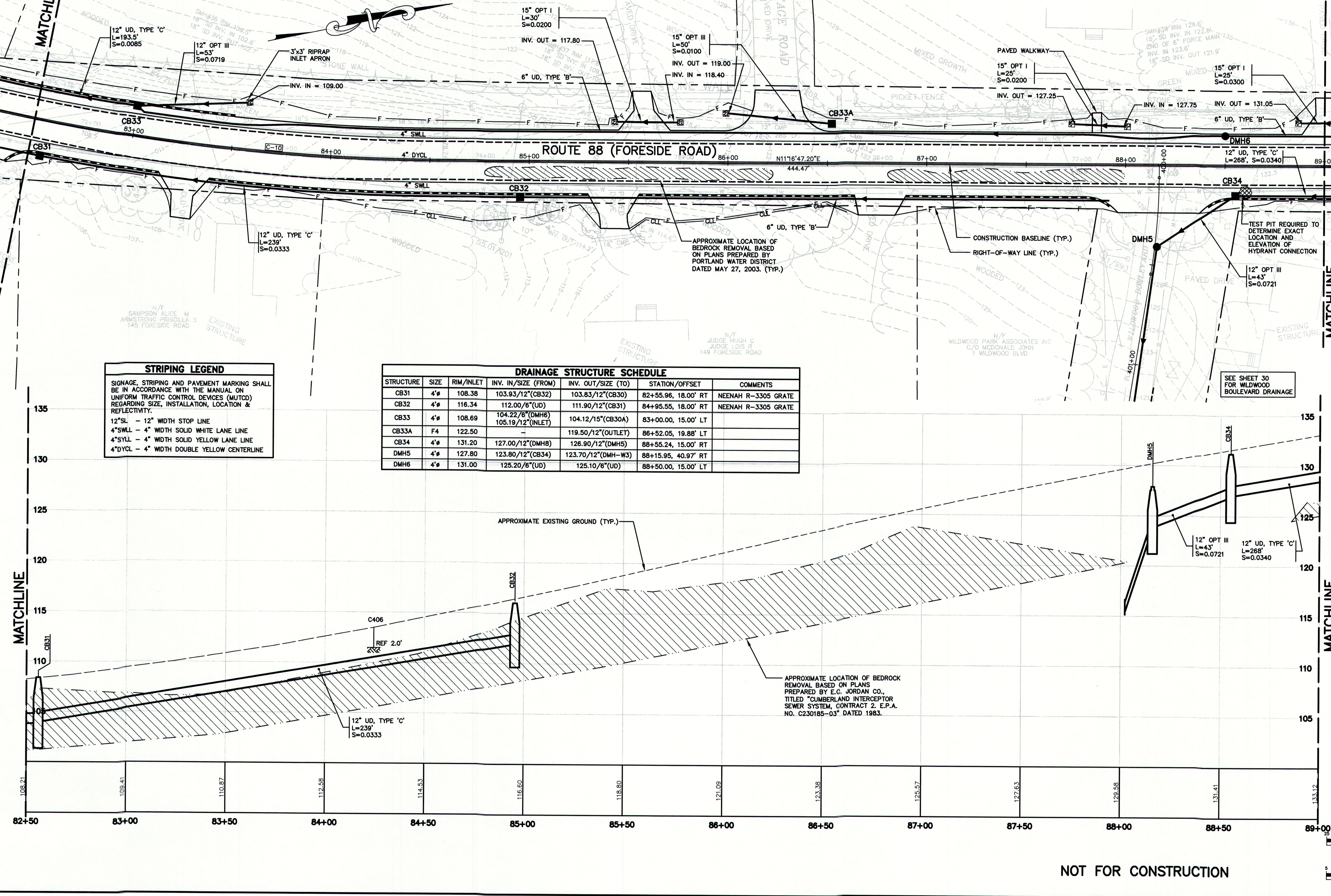
Drawing Name: **Geometrics Plan & Profile**
 Project: **Route 88 & Tuttle Road**
 Client: **Town of Cumberland**
 290 Tuttle Road, Cumberland, ME 04021
 MAINEDOT PIN

Drawing No. **14**

CUMBERLAND, ROUTE 88

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	15	14

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-10	402.62'	1050.00'	203.82'	21°58'13"	80+51.84	84+54.47



NOT FOR CONSTRUCTION

-	-	-
Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO2.dwg		

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Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

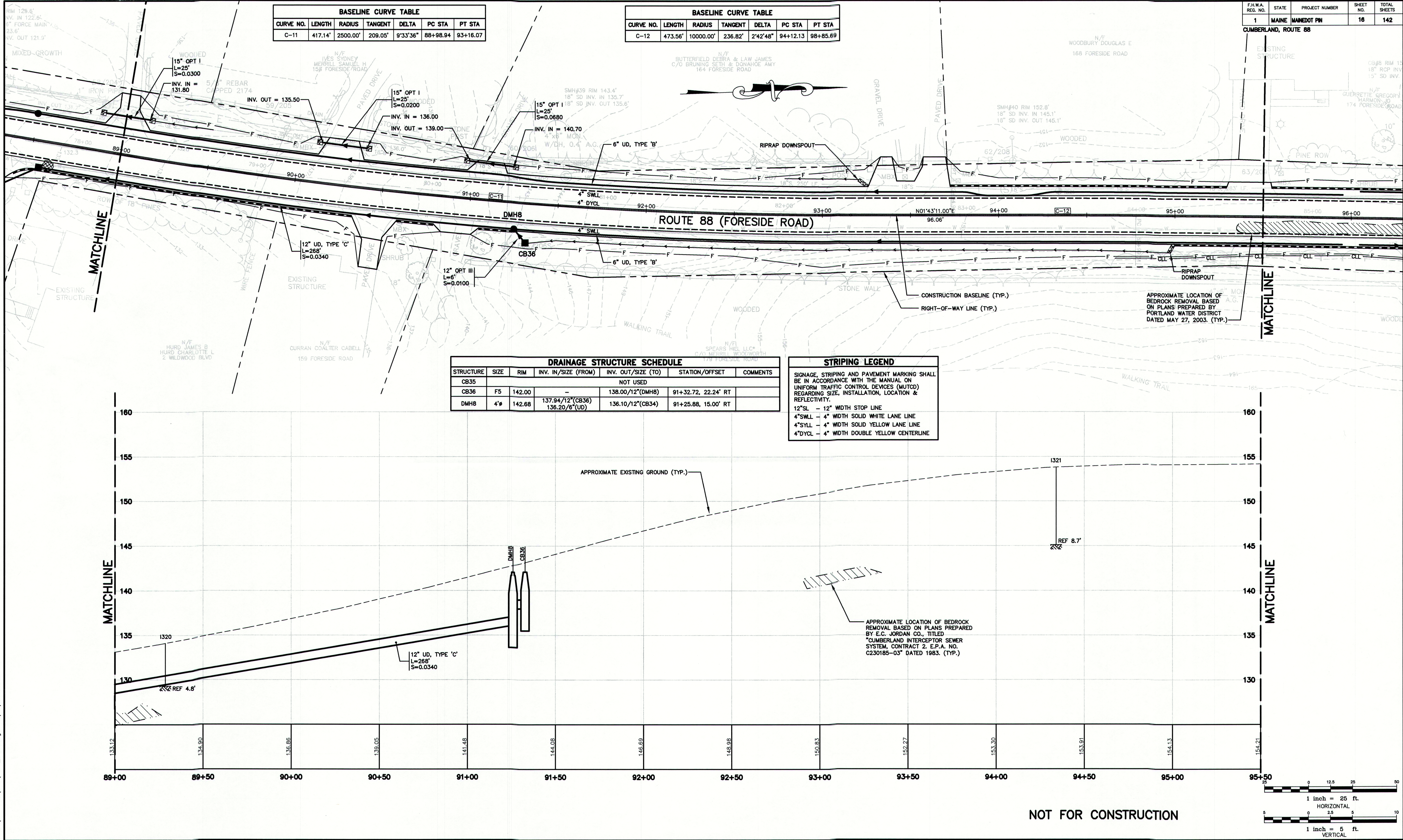
Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.

15

MAINEDOT PIN

CUMBERLAND, ROUTE 88



REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
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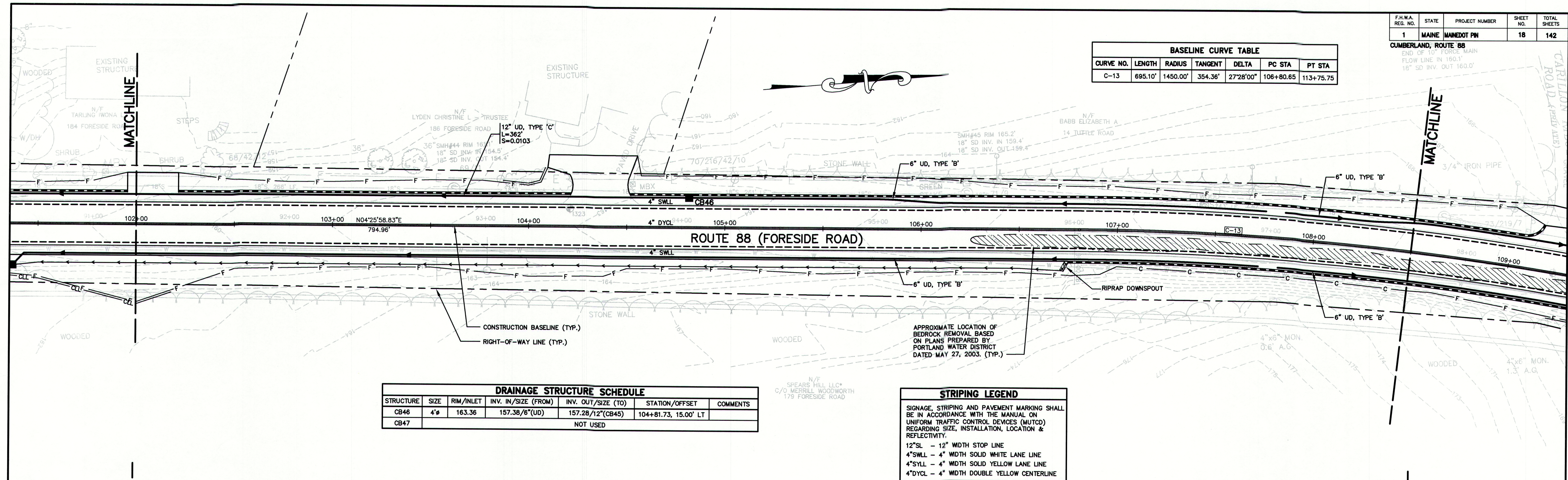
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Drawing No.
17

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	18	142

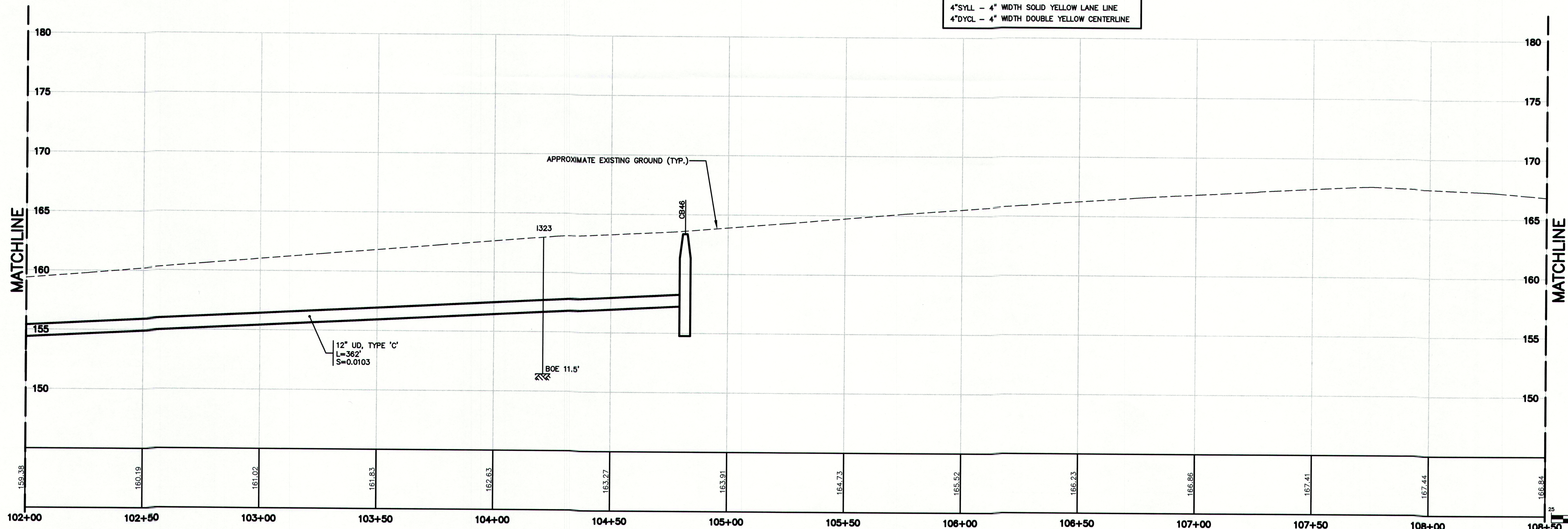
CUMBERLAND, ROUTE 88
END OF 10' FORCE MAIN
FLOW LINE IN 160.1'
18" SD INV. OUT 160.0'

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-13	695.10'	1450.00'	354.36'	27°28'00"	106+80.65	113+75.75

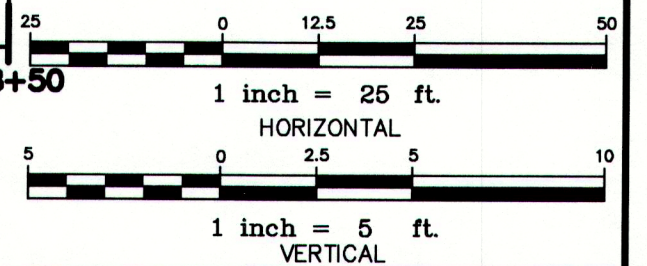


DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB46	4'	163.36	157.38/6" (UD)	157.28/12" (CB45)	104+81.73, 15.00' LT	
CB47						NOT USED

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYLL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE



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Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO2.dwg		
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E-Mail: mailbox@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

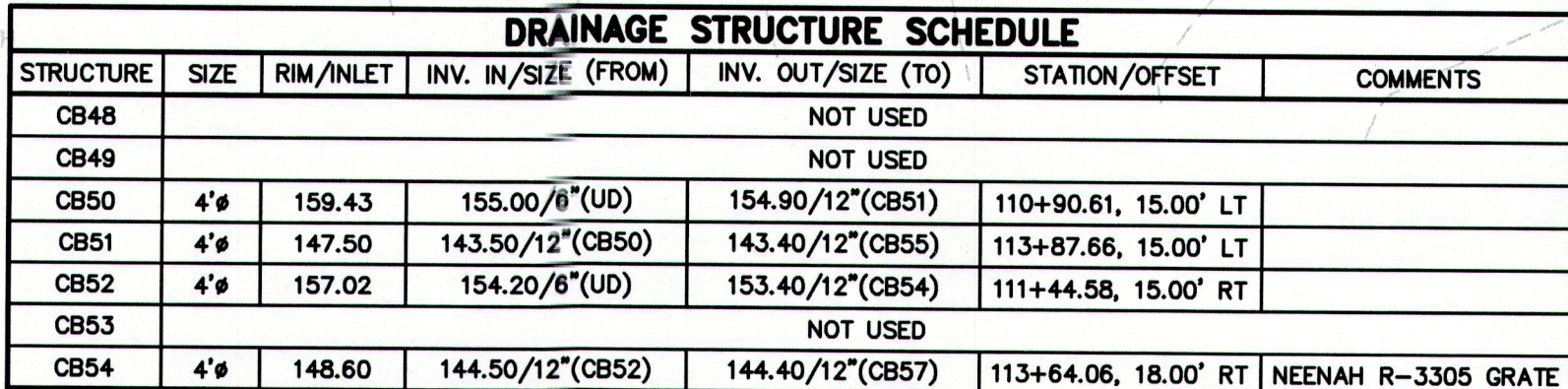
MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

18

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-13	695.10'	1450.00'	354.36'	27°28'00"	106+80.65	113+75.75



STRIPING LEGEND

SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.

12"SL - 12" WIDTH STOP LINE
4"SWLL - 4" WIDTH SOLID WHITE LANE LINE
4"SYLL - 4" WIDTH SOLID YELLOW LANE LINE
4"DYCL - 4" WIDTH DOUBLE YELLOW CENTERLINE

-	-	-
Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GE02.dwg		

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Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.

19

MAINEDOT PIN

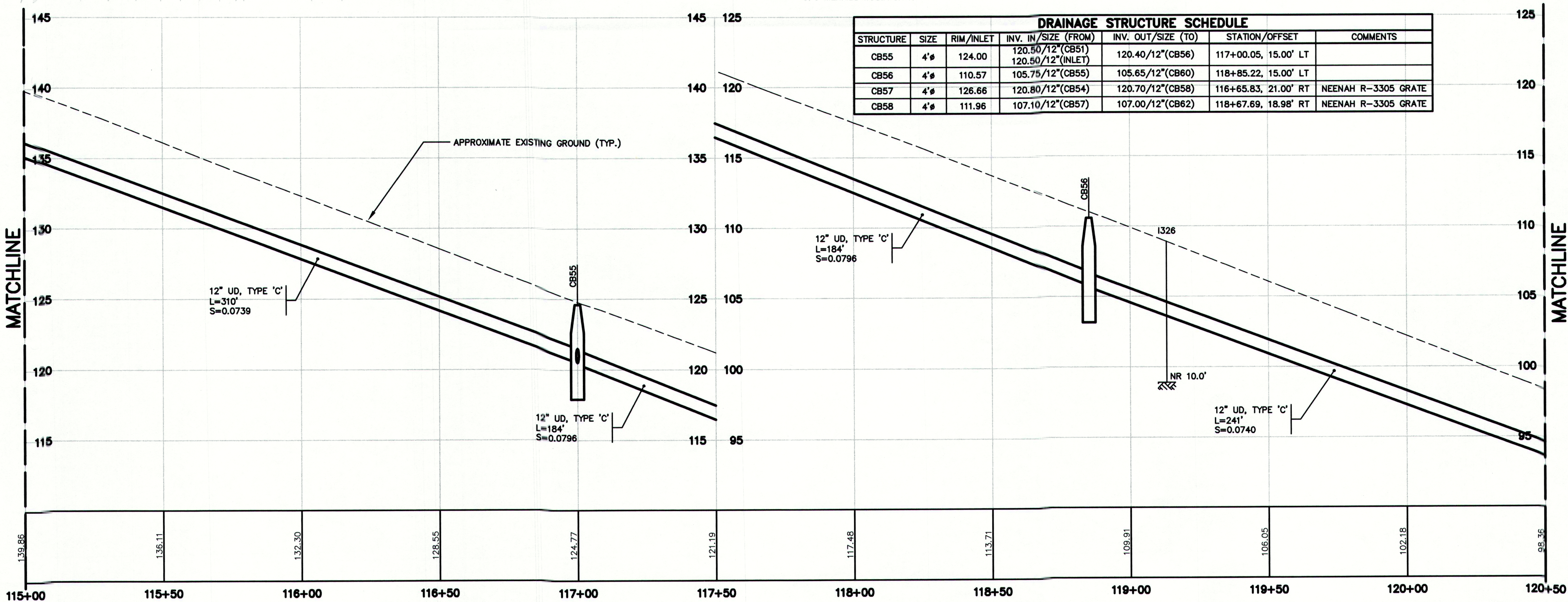
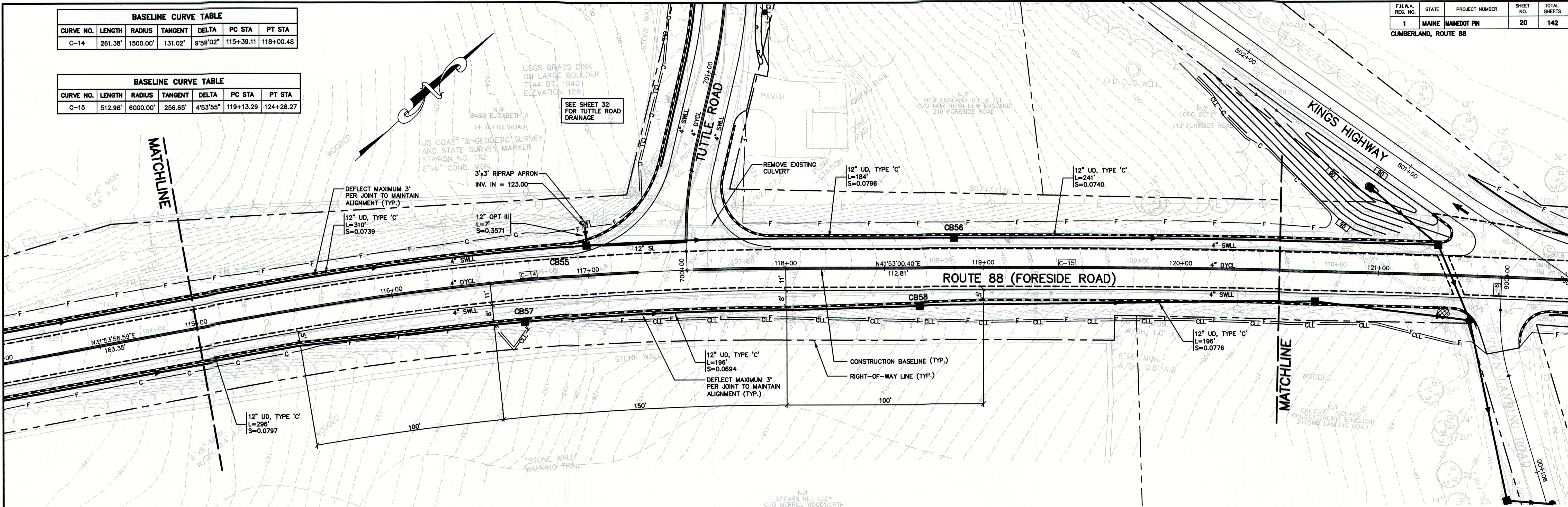
CUMBERLAND, ROUTE 88

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-14	261.38'	1500.00'	131.02'	9°58'02"	115+39.11	118+00.48

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-15	512.98'	6000.00'	256.65'	4°53'55"	119+13.29	124+26.27

F.I.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	20	142

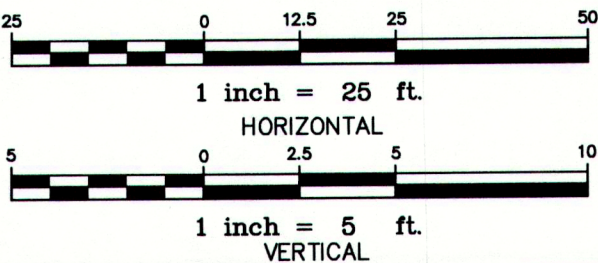
CUMBERLAND, ROUTE 88



DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB55	4"	124.00	120.50/12"(CB51) 120.50/12"(INLET)	120.40/12"(CB56)	117+00.05, 15.00' LT	
CB56	4"	110.57	105.75/12"(CB55)	105.65/12"(CB60)	118+85.22, 15.00' LT	
CB57	4"	126.66	120.80/12"(CB54)	120.70/12"(CB58)	116+65.83, 21.00' RT	NEENAH R-3305 GRATE
CB58	4"	111.96	107.10/12"(CB57)	107.00/12"(CB62)	118+67.69, 18.98' RT	NEENAH R-3305 GRATE

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYLL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

NOT FOR CONSTRUCTION




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Rev.	Date	Revision

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Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

Drawing Name: **Geometrics Plan & Profile**

Project: **Route 88 & Tuttle Road**
Cumberland, Maine

Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021

MAINEDOT PIN

Drawing No.

20

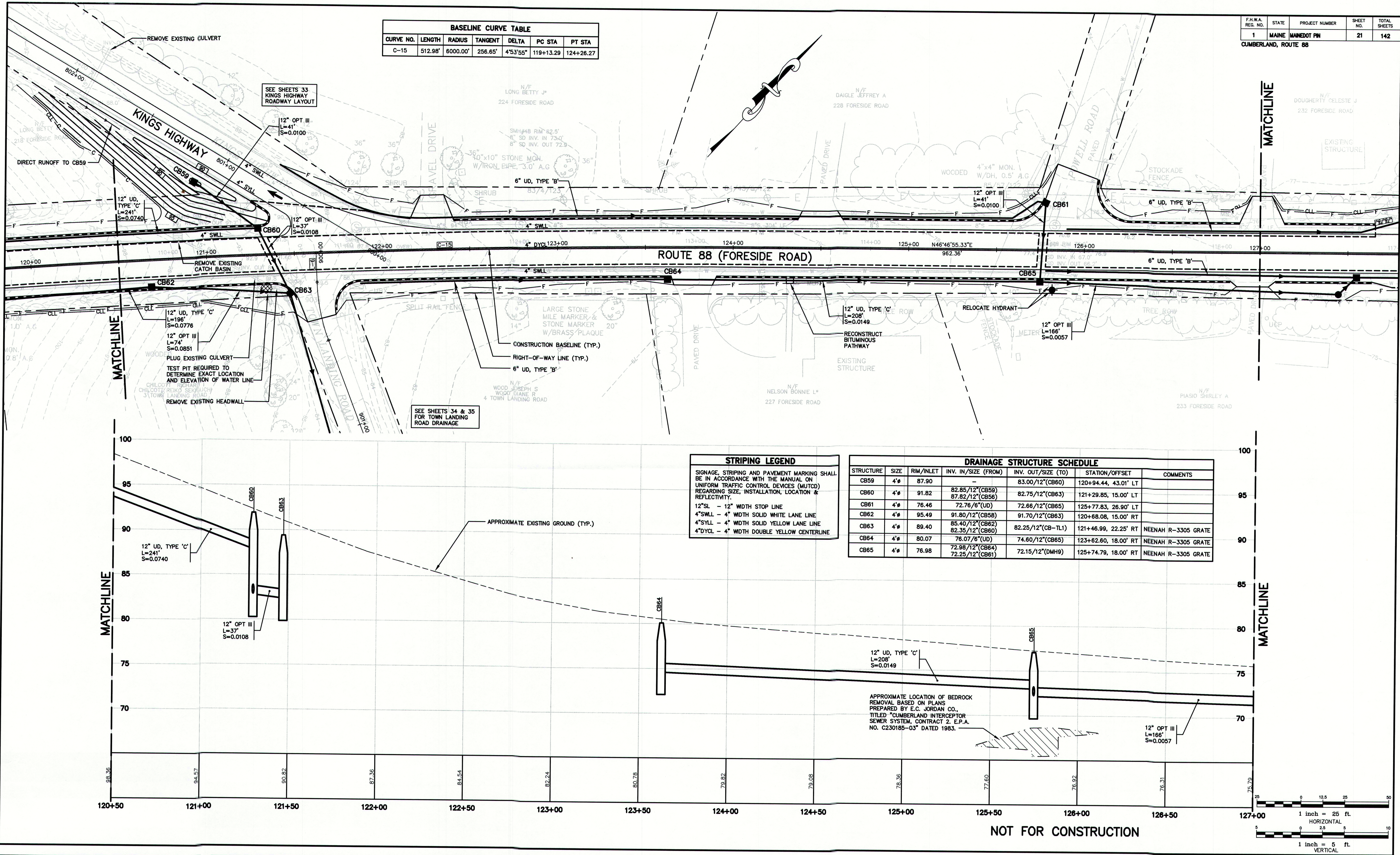
CUMBERLAND, ROUTE 88

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-15	512.98'	6000.00'	256.65'	4°53'55"	119+13.29	124+26.27

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	21	142

CUMBERLAND, ROUTE 88



STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	- 12" WIDTH STOP LINE
4"SWLL	- 4" WIDTH SOLID WHITE LANE LINE
4"SYLL	- 4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	- 4" WIDTH DOUBLE YELLOW CENTERLINE

DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB59	4"φ	87.90	-	83.00/12"(CB60)	120+94.44, 43.01' LT	
CB60	4"φ	91.82	82.85/12"(CB59) 87.82/12"(CB63)	82.75/12"(CB63)	121+29.85, 15.00' LT	
CB61	4"φ	76.46	72.78/6"(UD)	72.66/12"(CB65)	125+77.83, 26.90' LT	
CB62	4"φ	95.49	91.80/12"(CB58)	91.70/12"(CB63)	120+68.08, 15.00' RT	
CB63	4"φ	89.40	85.40/12"(CB62) 82.35/12"(CB60)	82.25/12"(CB-TL1)	121+46.99, 22.25' RT	NEENAH R-3305 GRATE
CB64	4"φ	80.07	76.07/6"(UD)	74.60/12"(CB65)	123+62.60, 18.00' RT	NEENAH R-3305 GRATE
CB65	4"φ	76.98	72.98/12"(CB64) 72.25/12"(CB61)	72.15/12"(DMH9)	125+74.79, 18.00' RT	NEENAH R-3305 GRATE

Rev.	Date	Revision

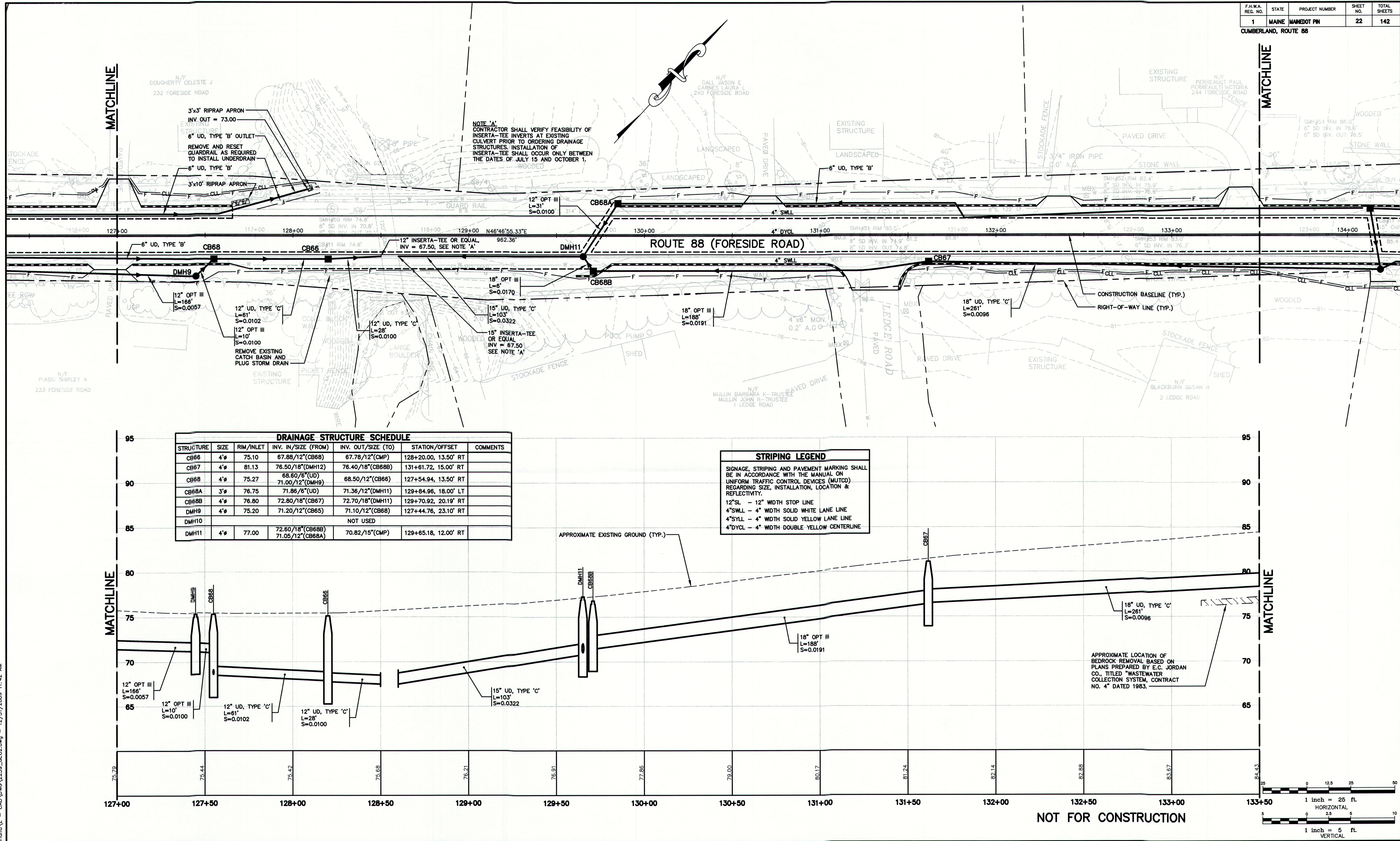
REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB Draft: DB Date: DEC 2009
Checked: RCN Scale: 1"=25' Job No.: 2239
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15 Shaker Road FAX: 207-657-6912
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Drawing Name: **Geometrics Plan & Profile**
Project: **Route 88 & Tuttle Road**
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021
MAINEDOT PIN

Drawing No. **21**
CUMBERLAND, ROUTE 88



Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

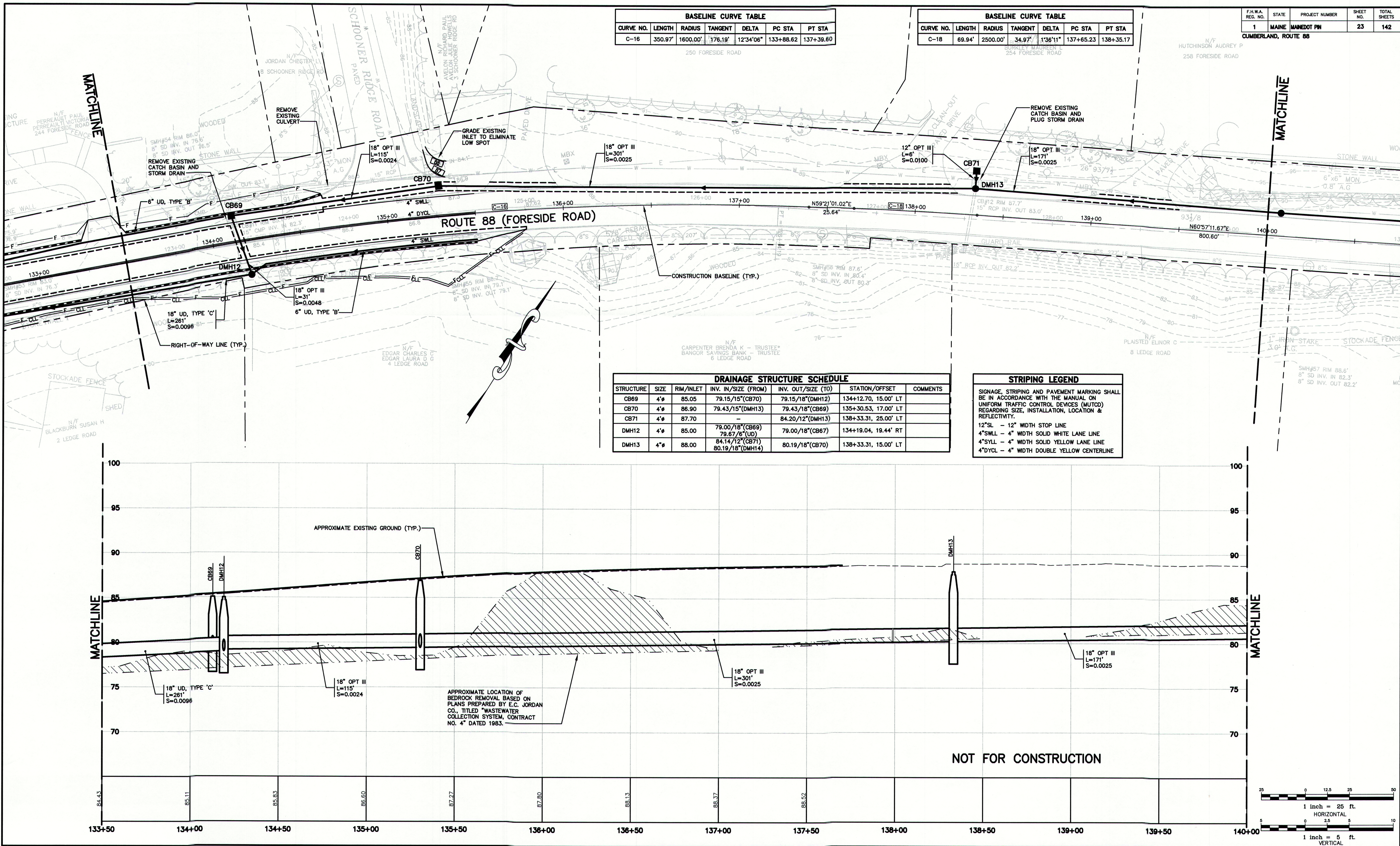
Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO2.dwg		
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Engineering Excellence Since 1998
207-657-6910 207-657-6912
E-Mail: mailboxes@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021 MAINEDOT PIN

Drawing No.
22
CUMBERLAND, ROUTE 88

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-16	350.97'	1600.00'	176.19'	12°34'06"	133+88.62	137+39.60

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-18	69.94'	2500.00'	34.97'	1°36'11"	137+65.23	138+35.17

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	23	142

DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB69	4"	85.05	79.15/15"(CB70)	79.15/18"(DMH12)	134+12.70, 15.00' LT	
CB70	4"	86.90	79.43/15"(DMH13)	79.43/18"(CB69)	135+30.53, 17.00' LT	
CB71	4"	87.70	-	84.20/12"(DMH13)	138+33.31, 25.00' LT	
DMH12	4"	85.00	79.00/18"(CB69)	79.00/18"(CB67)	134+19.04, 19.44' RT	
DMH13	4"	88.00	84.14/12"(CB71)	80.19/18"(DMH14)	138+33.31, 15.00' LT	

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	- 12" WIDTH STOP LINE
4"SWLL	- 4" WIDTH SOLID WHITE LANE LINE
4"SYLL	- 4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	- 4" WIDTH DOUBLE YELLOW CENTERLINE

Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

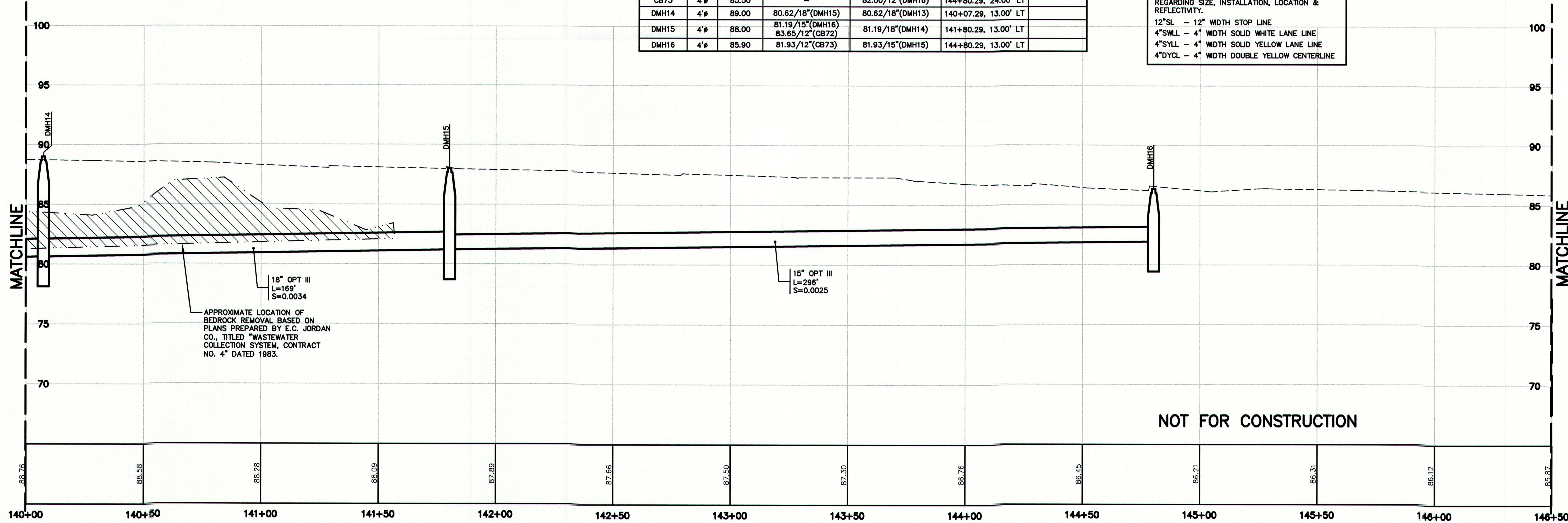
Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GE02.dwg		
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Drawing Name:	
Route 88 & Tuttle Road	
Cumberland, Maine	
Town of Cumberland	
290 Tuttle Road, Cumberland, ME 04021	

Drawing No.
23

<p align="center">STRIPING LEGEND</p> <p>SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.</p> <p>12"SL - 12" WIDTH STOP LINE</p> <p>4"SWLL - 4" WIDTH SOLID WHITE LANE LINE</p> <p>4"SYLL - 4" WIDTH SOLID YELLOW LANE LINE</p> <p>4"DWL - 4" WIDTH DOUBLE YELLOW CENTERLINE</p>
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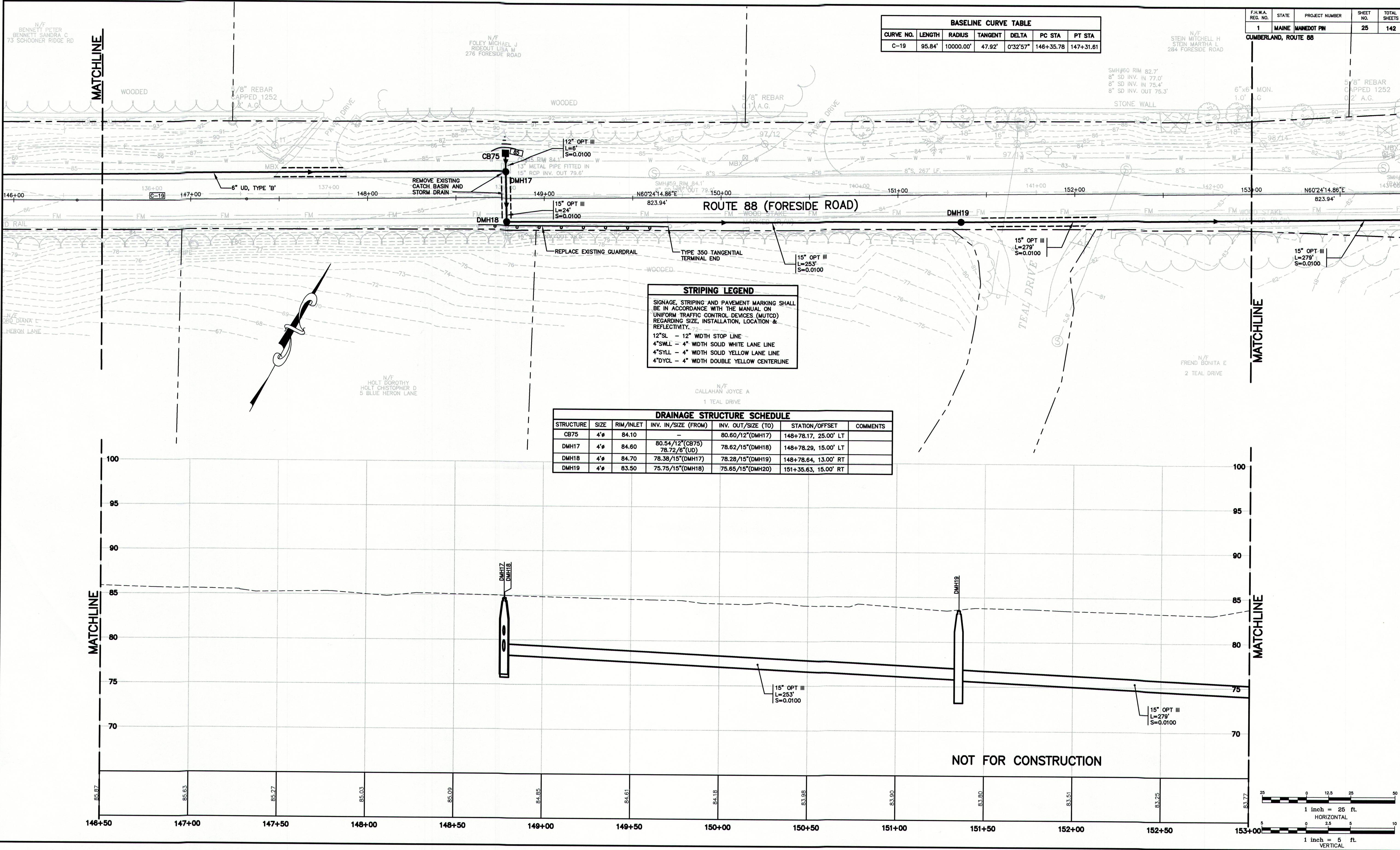
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1 inch = 25 ft.
HORIZONTAL

5 0 2.5 5 10
50
1 inch = 5 ft.
VERTICAL

Drawing No.

24

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-19	95.84'	10000.00'	47.92'	0°32'57"	146+35.78	147+31.61

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	MAINEDOT PIN	25	142

CUMBERLAND, ROUTE 88

STRIPING LEGEND
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.
12"SL - 12" WIDTH STOP LINE
4"SWLL - 4" WIDTH SOLID WHITE LANE LINE
4"SYLL - 4" WIDTH SOLID YELLOW LANE LINE
4"DYCL - 4" WIDTH DOUBLE YELLOW CENTERLINE

DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB75	4"	84.10	-	80.60/12"(DMH17)	148+78.17, 25.00' LT	
DMH17	4"	84.60	80.54/12"(CB75) 78.72/6"(UD)	78.62/15"(DMH18)	148+78.29, 15.00' LT	
DMH18	4"	84.70	78.38/15"(DMH17)	78.28/15"(DMH19)	148+78.64, 13.00' RT	
DMH19	4"	83.50	75.75/15"(DMH18)	75.65/15"(DMH20)	151+35.63, 15.00' RT	

Rev.	Date	Revision

REVIEW	12/31/09	RCN

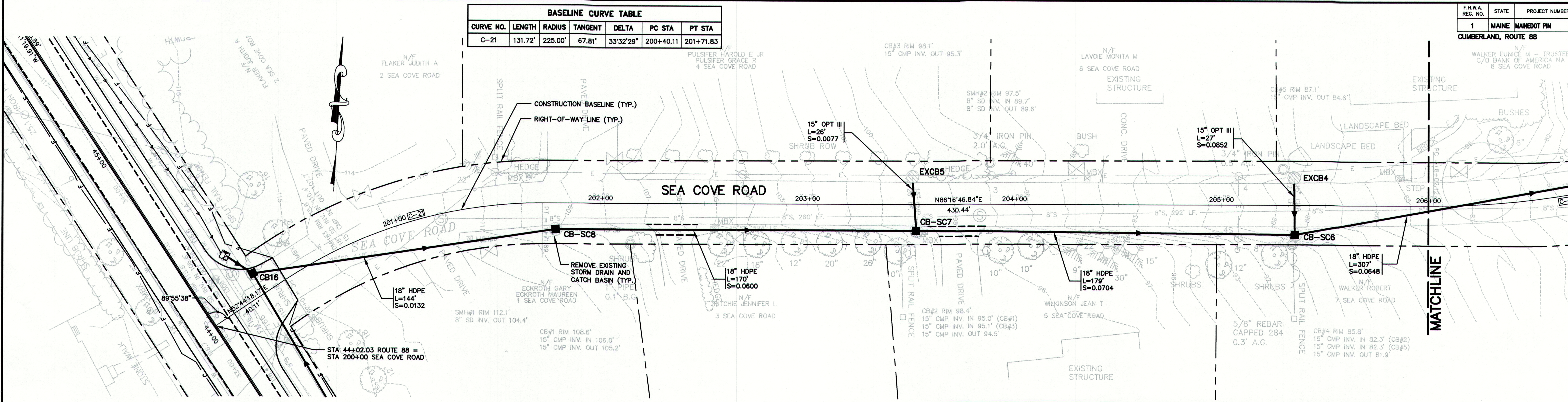
Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO2.dwg		
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Drawing Name:	Geometrics Plan & Profile
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

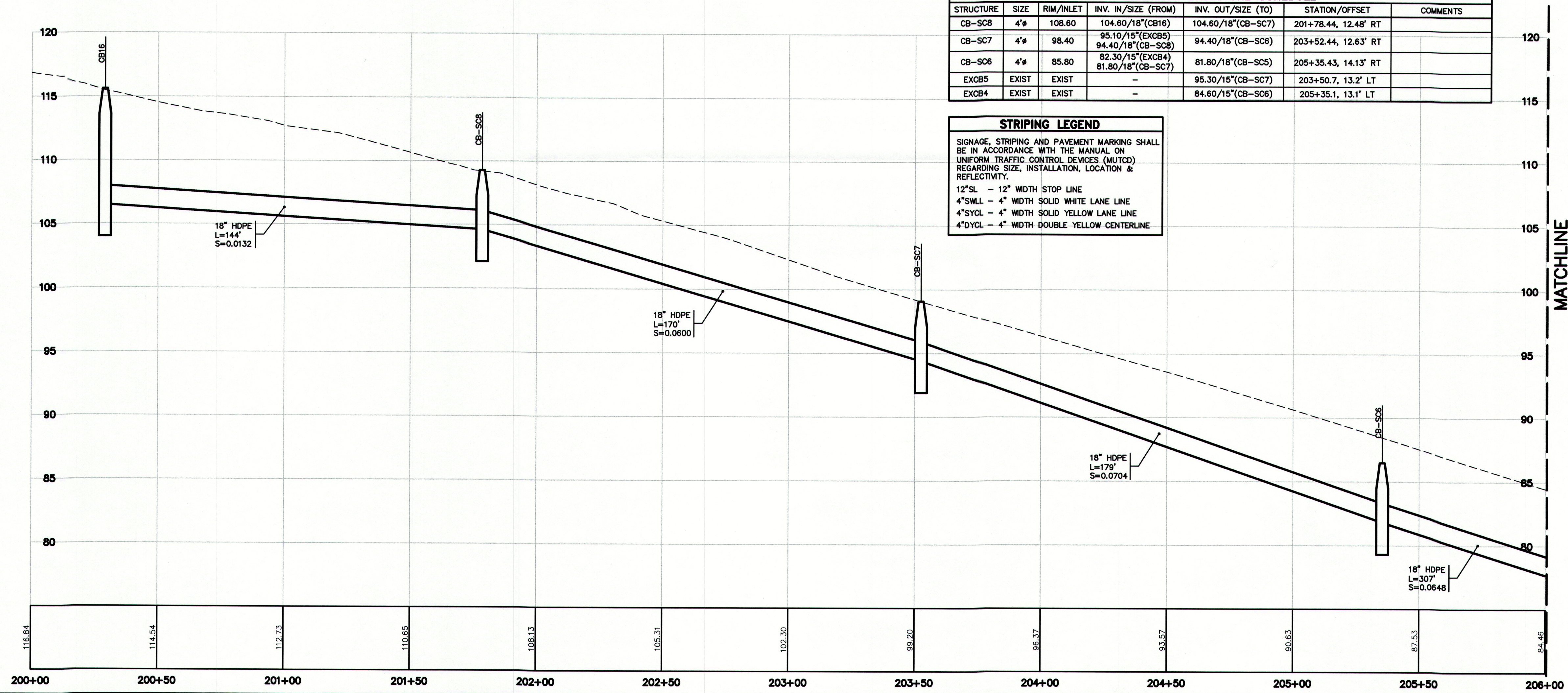
Drawing No.
25

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-21	131.72'	225.00'	67.81'	33°32'29"	200+40.11	201+71.83

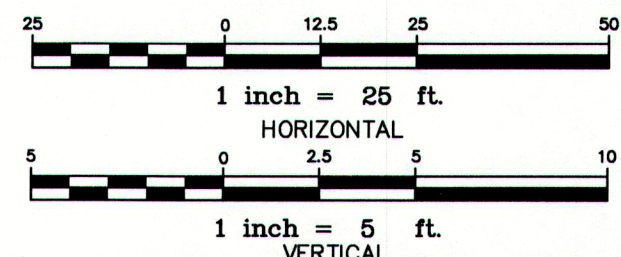


DRAINAGE STRUCTURE SCHEDULE					
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET
CB-SC8	4"	108.60	104.60/18"(CB16)	104.60/18"(CB-SC7)	201+78.44, 12.48' RT
CB-SC7	4"	98.40	95.10/15"(EXCB5)	94.40/18"(CB-SC6)	203+52.44, 12.63' RT
CB-SC6	4"	85.80	82.30/15"(EXCB4)	81.80/18"(CB-SC5)	205+35.43, 14.13' RT
EXCB5	EXIST	EXIST	-	95.30/15"(CB-SC7)	203+50.7, 13.2' LT
EXCB4	EXIST	EXIST	-	84.60/15"(CB-SC6)	205+35.1, 13.1' LT

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWL	4" WIDTH SOLID WHITE LANE LINE
4"SYCL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE



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Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
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Design: RJB Draft: DB/ZRJ Date: DEC 2009
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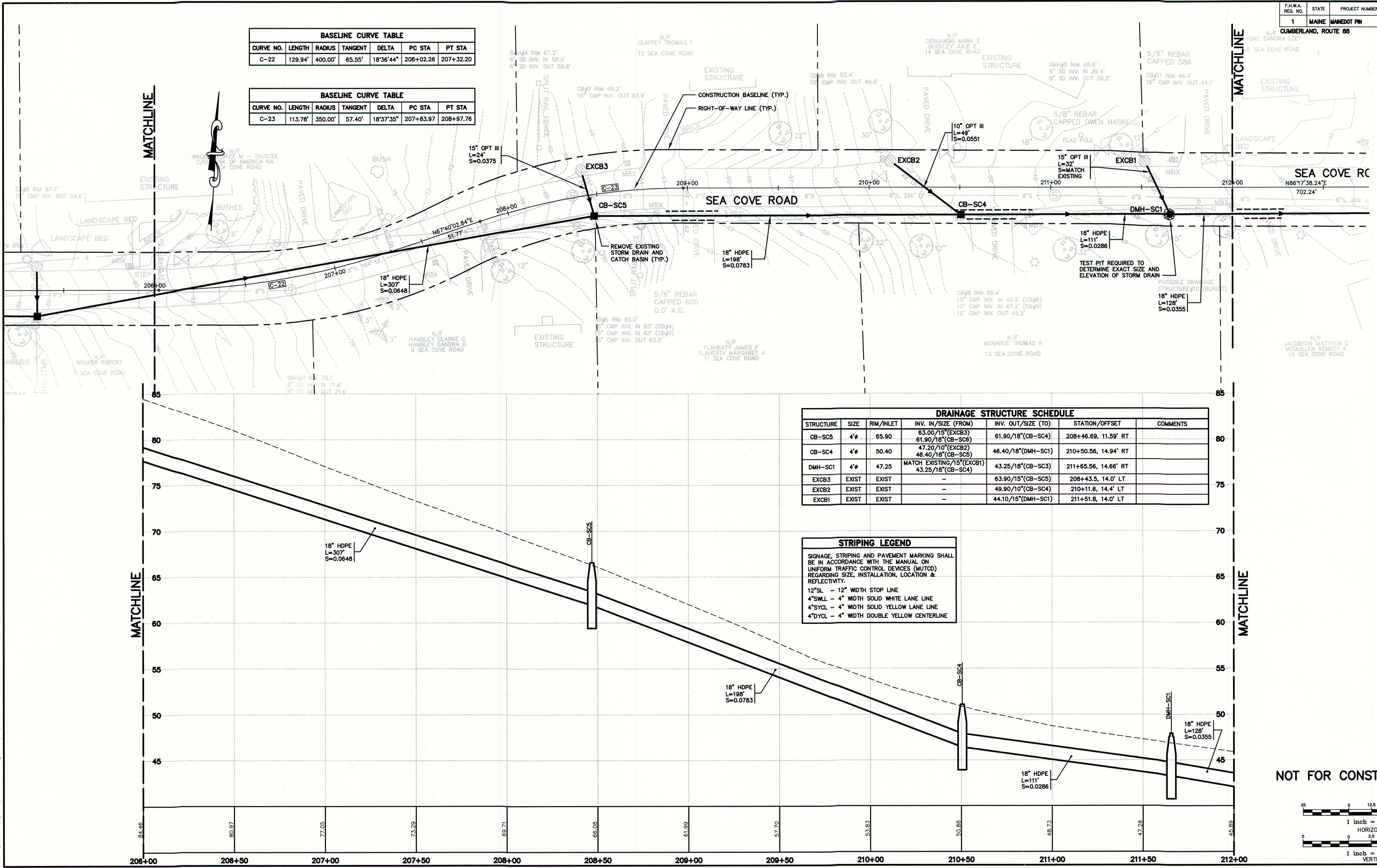
GP Gorrill-Palmer Consulting Engineers, Inc.
PO Box 1237 Engineering Excellence Since 1998 207-657-6910
15 Shaker Road FAX: 207-657-6912
Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

Drawing Name: **Geometrics Plan & Profile - Sea Cove Road**
Project: **Route 88 & Tuttle Road**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021

Drawing No.
27

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-22	129.94'	400.00'	65.55'	18°36'44"	206+02.26	207+32.20

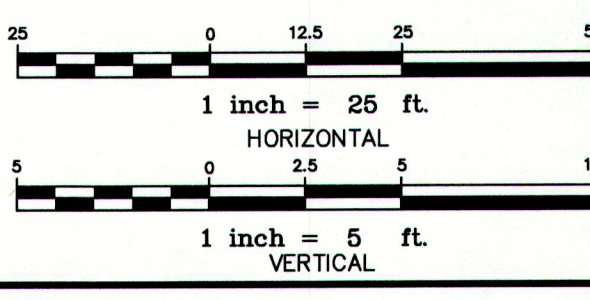
BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-23	113.78'	350.00'	57.40'	18°37'35"	207+83.97	208+97.76



DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB-SC5	4'	65.90	63.00/15"(EXCB3) 61.90/18"(CB-SC4)	61.90/18"(CB-SC4)	208+46.69, 11.59' RT	
CB-SC4	4'	50.40	47.20/10"(EXCB2) 46.40/18"(CB-SC5)	46.40/18"(DMH-SC1)	210+50.56, 14.94' RT	
DMH-SC1	4'	47.25	MATCH EXISTING/15"(EXCB1) 43.25/18"(CB-SC4)	43.25/18"(CB-SC3)	211+65.56, 14.66' RT	
EXCB3	EXIST	EXIST	-	63.90/15"(CB-SC5)	208+43.5, 14.0' LT	
EXCB2	EXIST	EXIST	-	49.90/10"(CB-SC4)	210+11.6, 14.4' LT	
EXCB1	EXIST	EXIST	-	44.10/15"(DMH-SC1)	211+51.8, 14.0' LT	

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYCL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

NOT FOR CONSTRUCTION



Rev.	Date	Revision

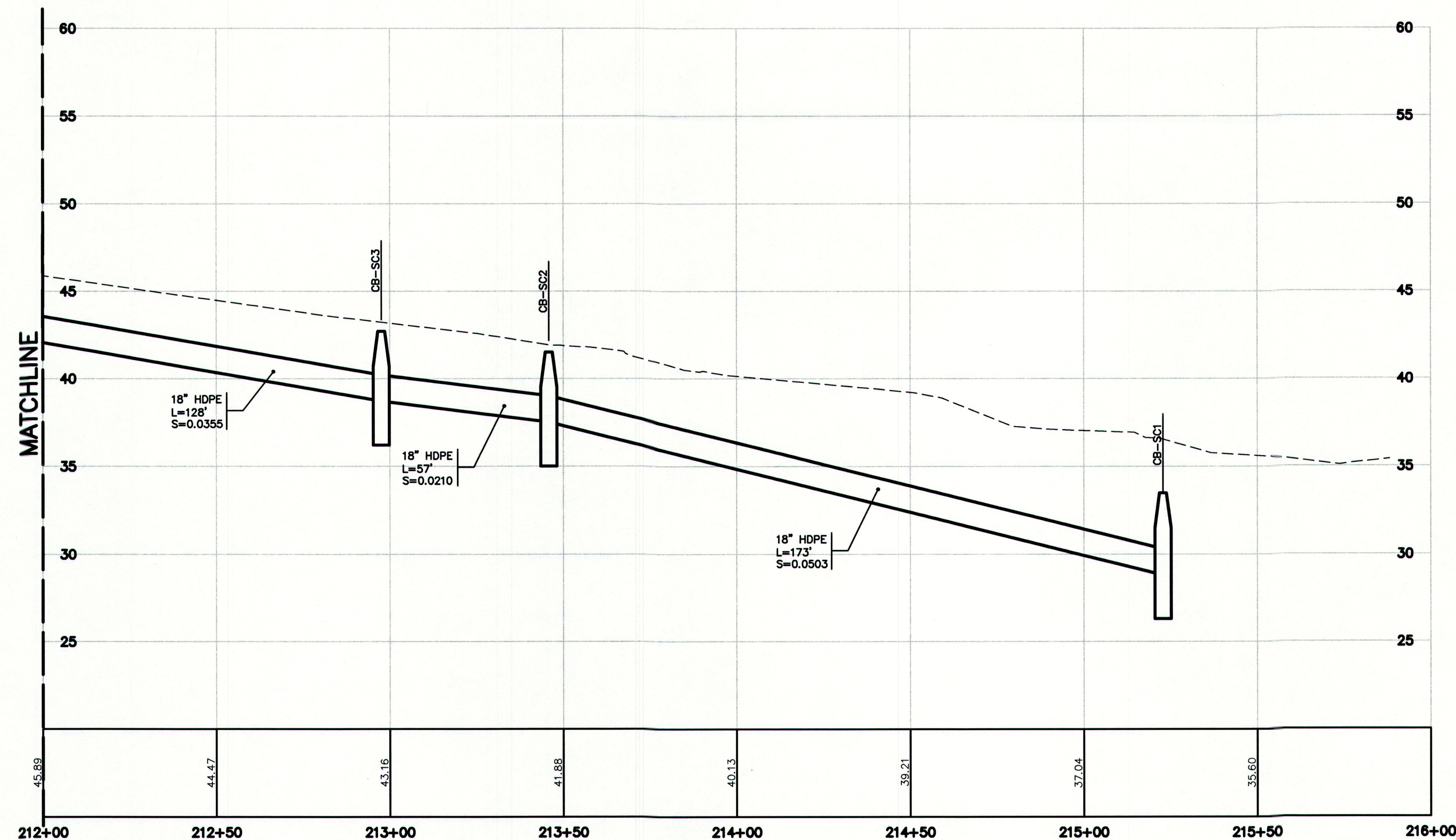
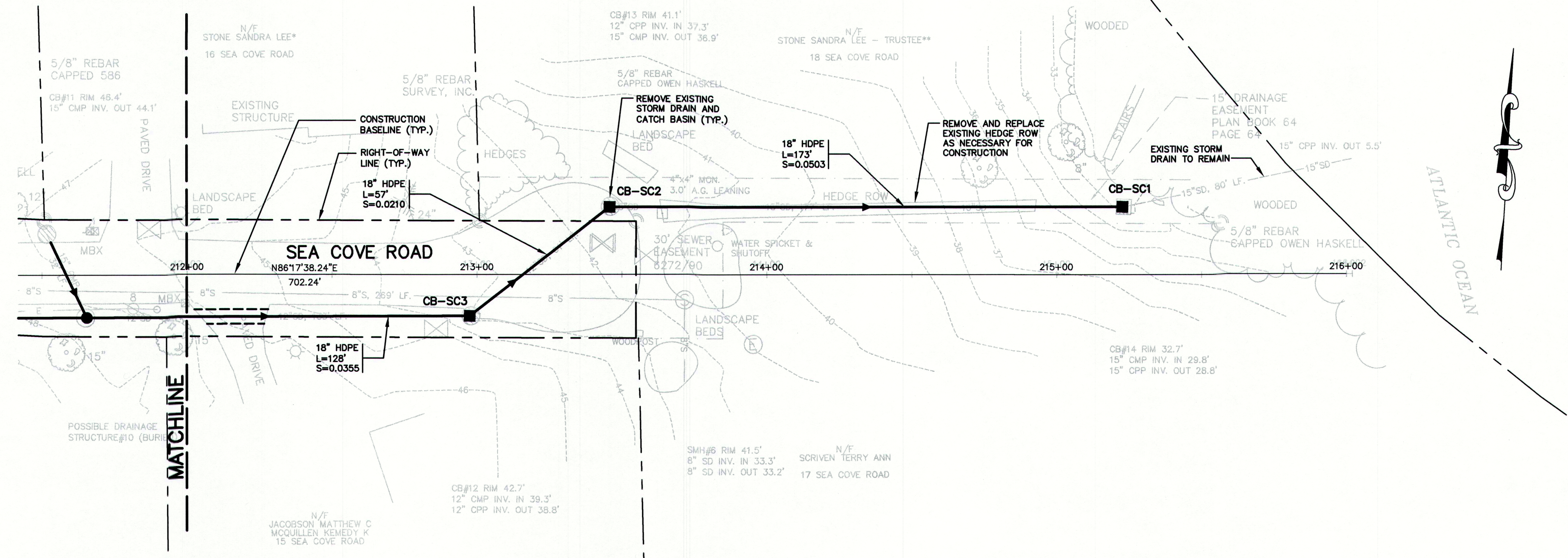
REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
Issued For	Date	By

Design: RJB	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO3.dwg		
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207-657-6910 FAX: 207-657-6912 E-Mail: mailboxes@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile - Sea Cove Road
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

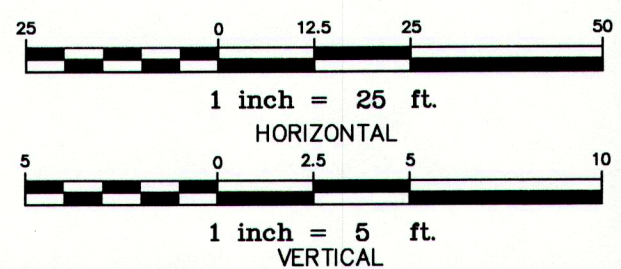
Drawing No.
28



DRAINAGE STRUCTURE SCHEDULE						
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET	COMMENTS
CB-SC3	4'	42.70	38.70/18"(DMH-SC1)	38.70/18"(CB-SC2)	212+97.55, 14.21' RT	
CB-SC2	4'	41.50	37.50/18"(CB-SC3)	37.50/18"(CB-SC1)	213+45.85, 23.05' LT	
CB-SC1	4'	32.70	28.80/18"(CB-SC2)	28.80/18"(EXISTING OUTLET)	215+22.85, 23.14' LT	

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYCL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

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Rev.	Date	Revision

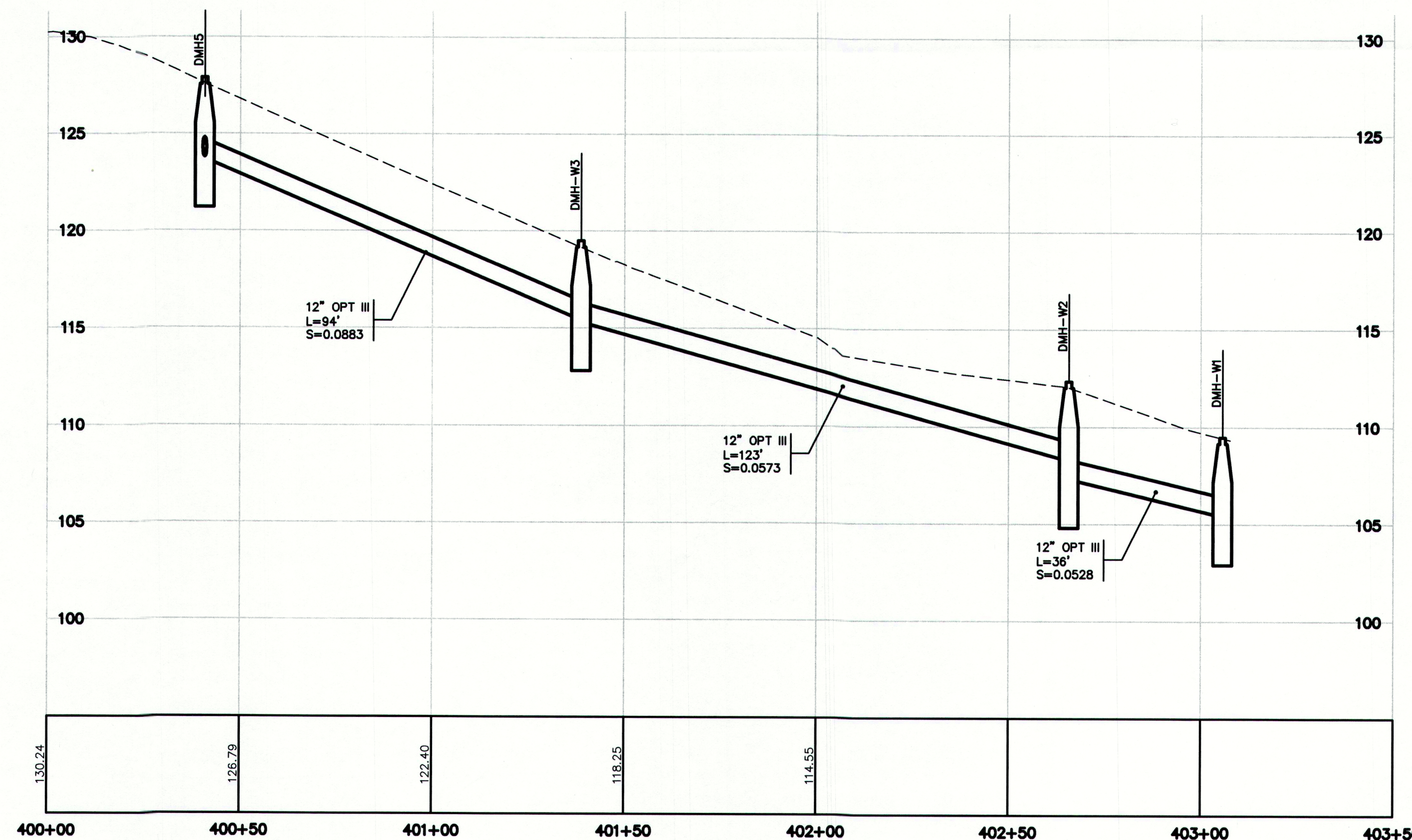
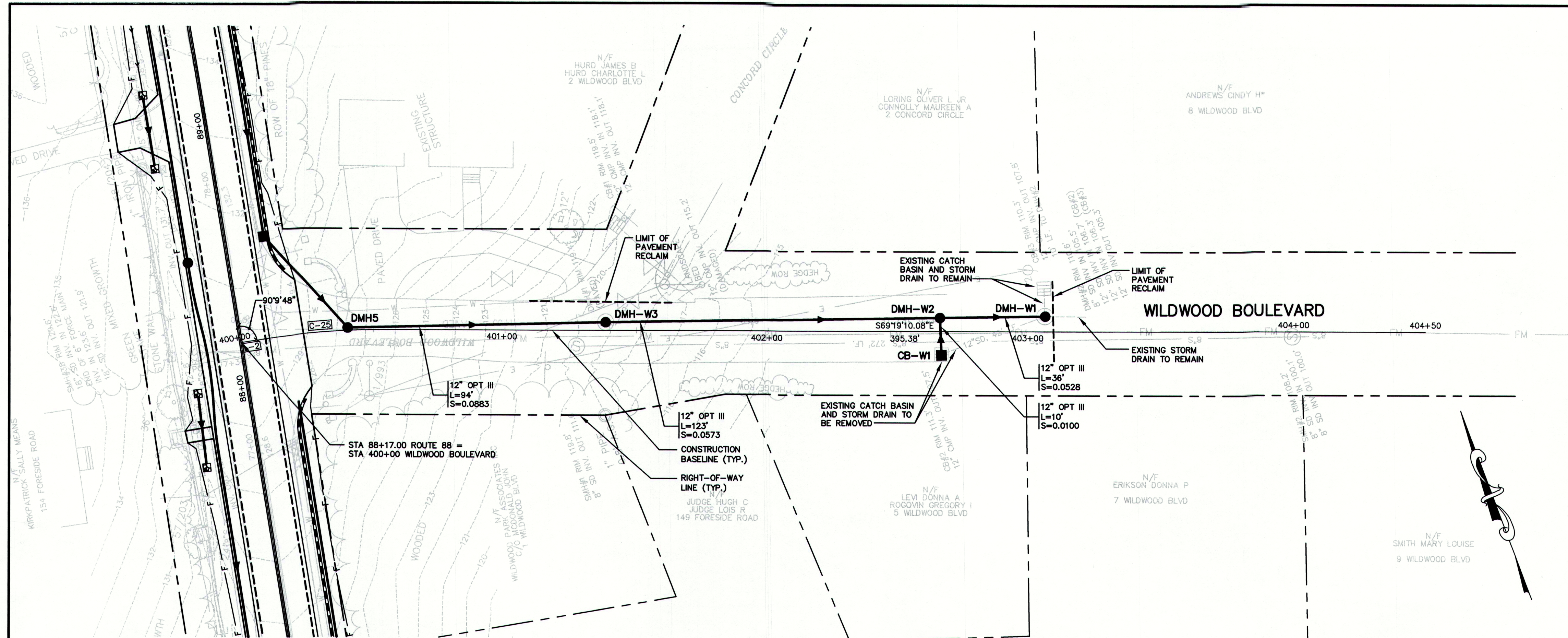
REVIEW	12/31/09	RCN	
REVIEW	12/10/09	RCN	
Issued For	Date	By	

Design: RJB	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO3.dwg		
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15 Shaker Road 207-657-6912
Gray, ME 04039 E-Mail: mail@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile - Sea Cove Road
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.
29



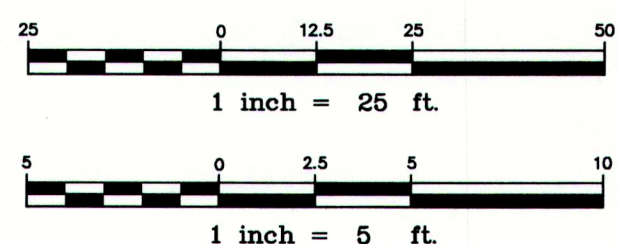
DRAINAGE STRUCTURE SCHEDULE					
STRUCTURE	SIZE	RIM/INLET	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)	STATION/OFFSET
CB-W1	4"	111.30	-	107.50/12"(DMH-W2)	402+66.26, 8.84' RT
DMH-W3	4"	119.40	115.40/12"(DMH5)	115.30/12"(DMH-W2)	401+38.66, 3.11' LT
DMH-W2	4"	112.25±	108.25/12"(DMH-W3) 107.40/12"(CB-W1)	107.30/12"(DMH-W1)	402+65.66, 5.14' LT
DMH-W1	4"	110.60	105.40/12"(DMH-W2) 106.70 (EXIST) 106.30 (EXIST)	105.30/12"(EXIST)	403+05.66, 5.78' LT

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYCL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-25	48.37'	300.00'	24.24'	91°4'14"	400+06.25	400+54.62

BASELINE LINE TABLE		
LINE NO.	LENGTH	BEARING
L-2	6.25	S78°33'24"E

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Rev.	Date	Revision

REVIEW	12/31/09	RCN	
REVIEW	12/10/09	RCN	
Issued For	Date	By	

Design: RJB	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO3.dwg		
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Drawing Name:	Geometrics Plan & Profile - Wildwood Boulevard
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.
30



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Drawing No.

31



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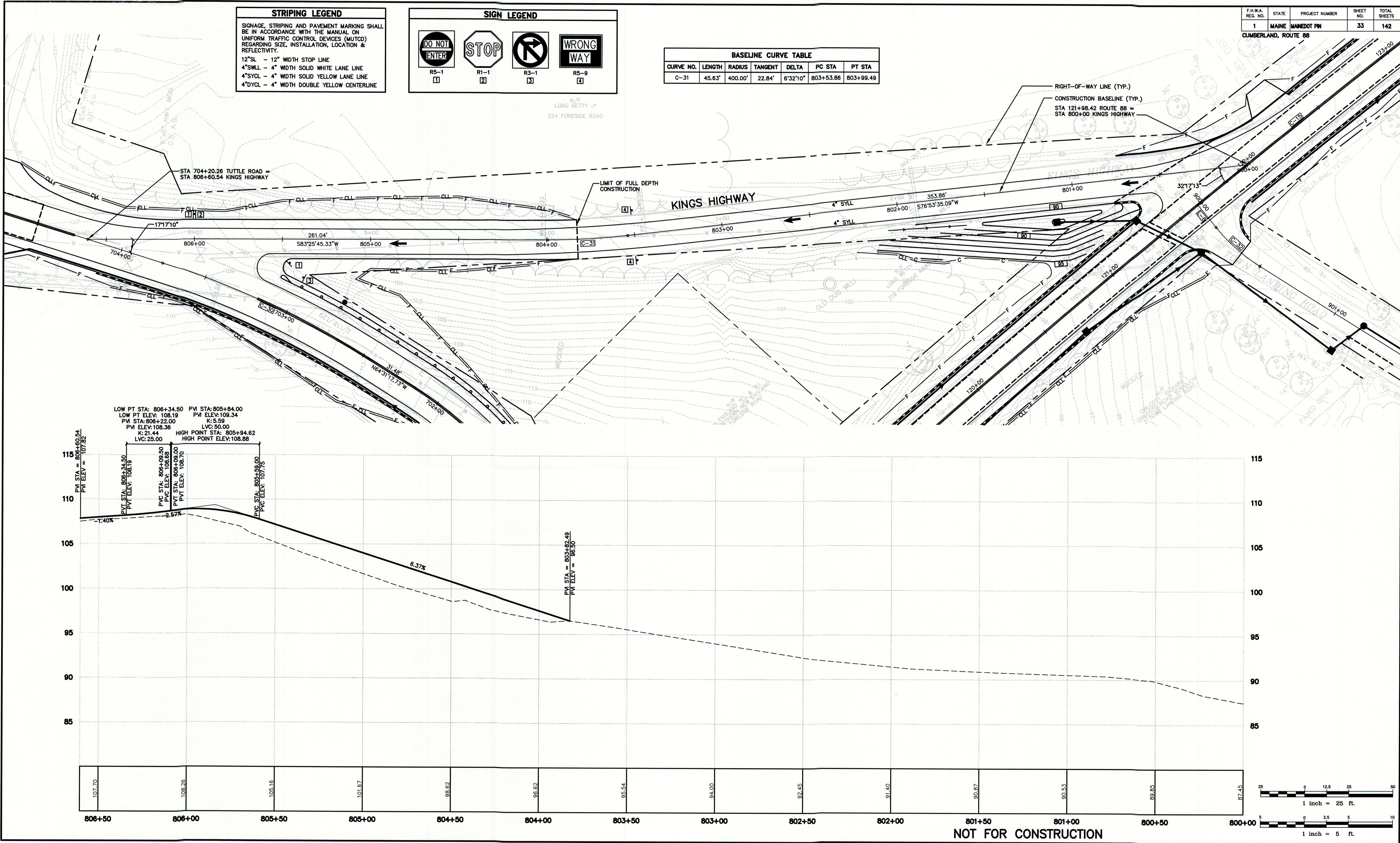
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1	MAINE	MAINEDOT PIN	33	142

CUMBERLAND, ROUTE 88

STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYCL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

SIGN LEGEND	
	R5-1
	R1-1
	R3-1
	R5-9

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-31	45.63'	400.00'	22.84'	6°32'10"	803+53.86	803+99.49



Rev.	Date	Revision

REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
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Design: RJB	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_GEO3.dwg		
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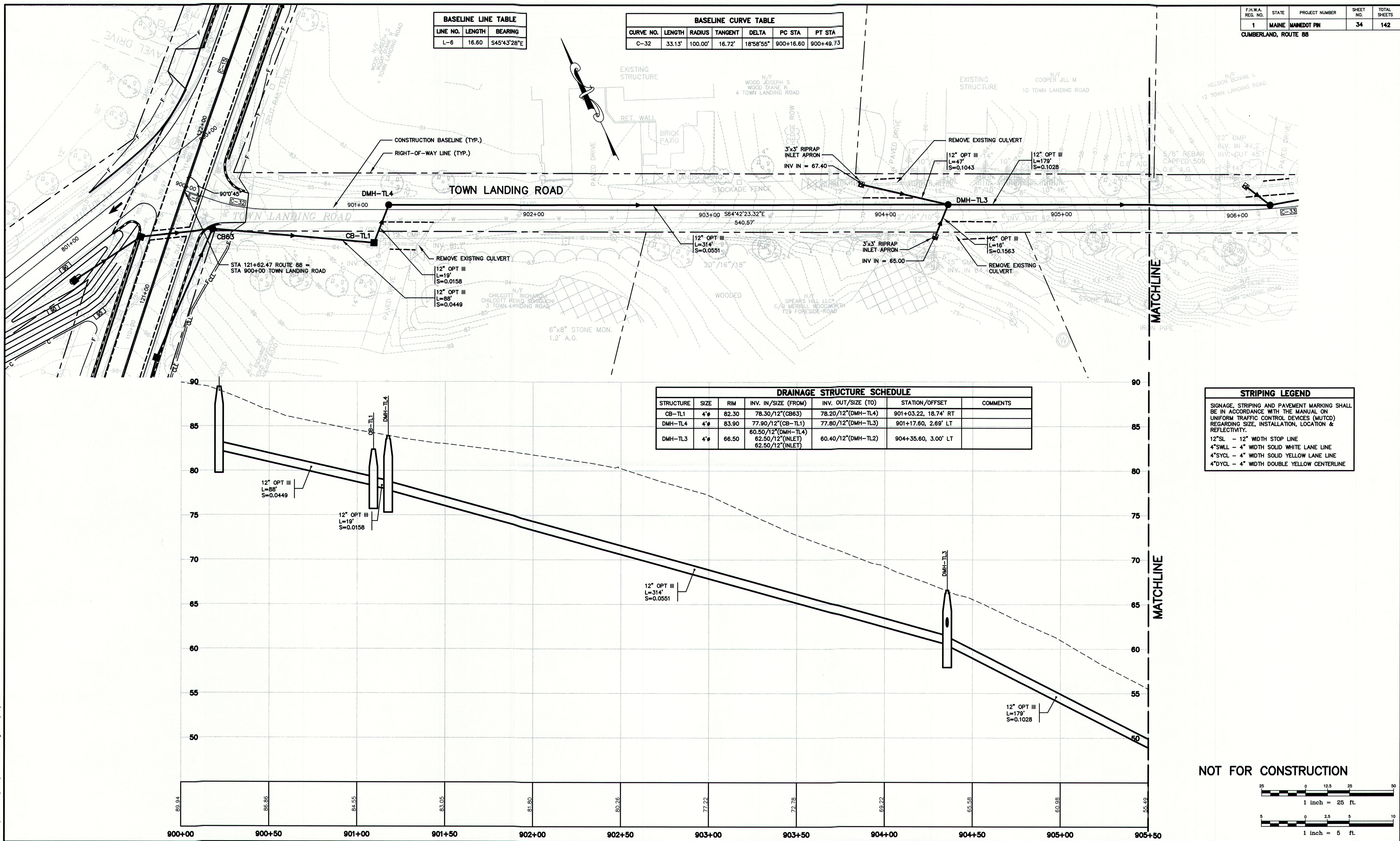
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Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.

33

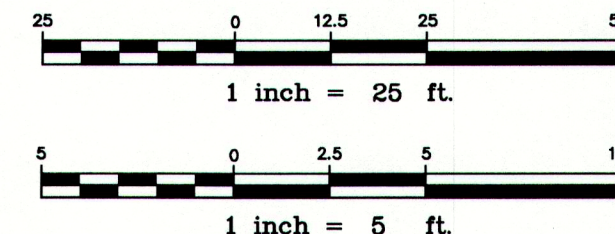
BASELINE LINE TABLE		
LINE NO.	LENGTH	BEARING
L-6	16.60	S45°43'28"E

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-32	33.13'	100.00'	16.72'	18°58'55"	900+16.60	900+49.73



STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL	12" WIDTH STOP LINE
4"SWLL	4" WIDTH SOLID WHITE LANE LINE
4"SYCL	4" WIDTH SOLID YELLOW LANE LINE
4"DYCL	4" WIDTH DOUBLE YELLOW CENTERLINE

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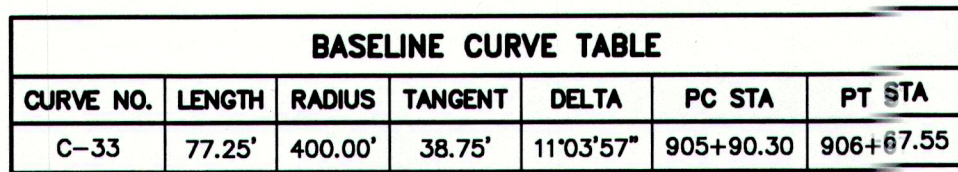
REVIEW	DATE	BY

Design: RJB	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
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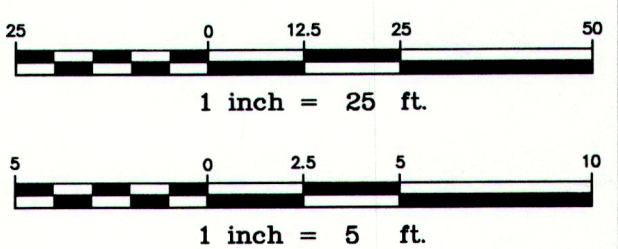
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 E-Mail: mailbox@gorrillpalmer.com

Drawing Name:	Geometrics Plan & Profile - Town Landing Road
Project:	Route 88 & Tuttle Road Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021

Drawing No.	34
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STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
12"SL - 12"	WIDTH STOP LINE
4"SWLL - 4"	WIDTH SOLID WHITE LANE LINE
4"SYCL - 4"	WIDTH SOLID YELLOW LANE LINE
4"DYCL - 4"	WIDTH DOUBLE YELLOW CENTERLINE



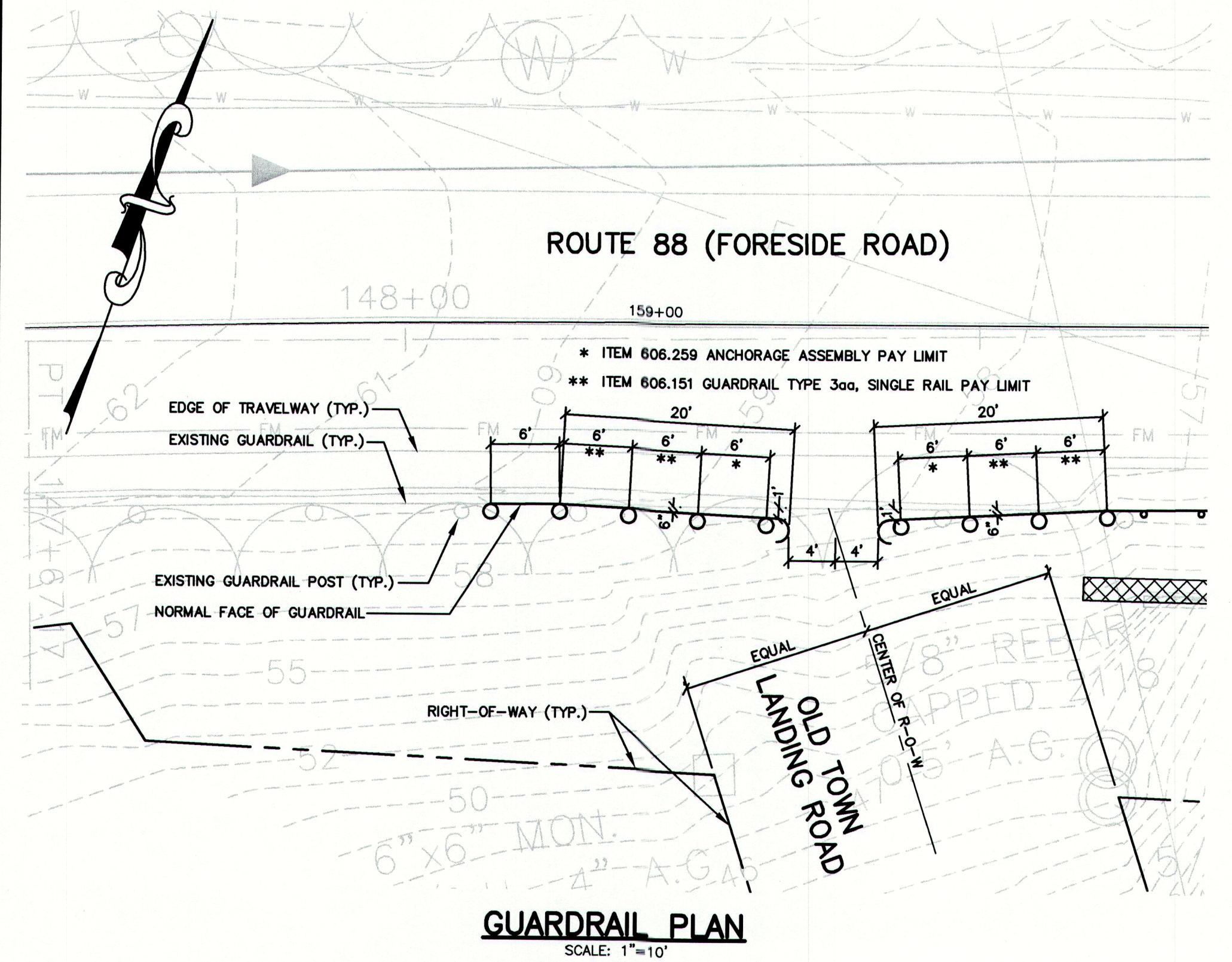
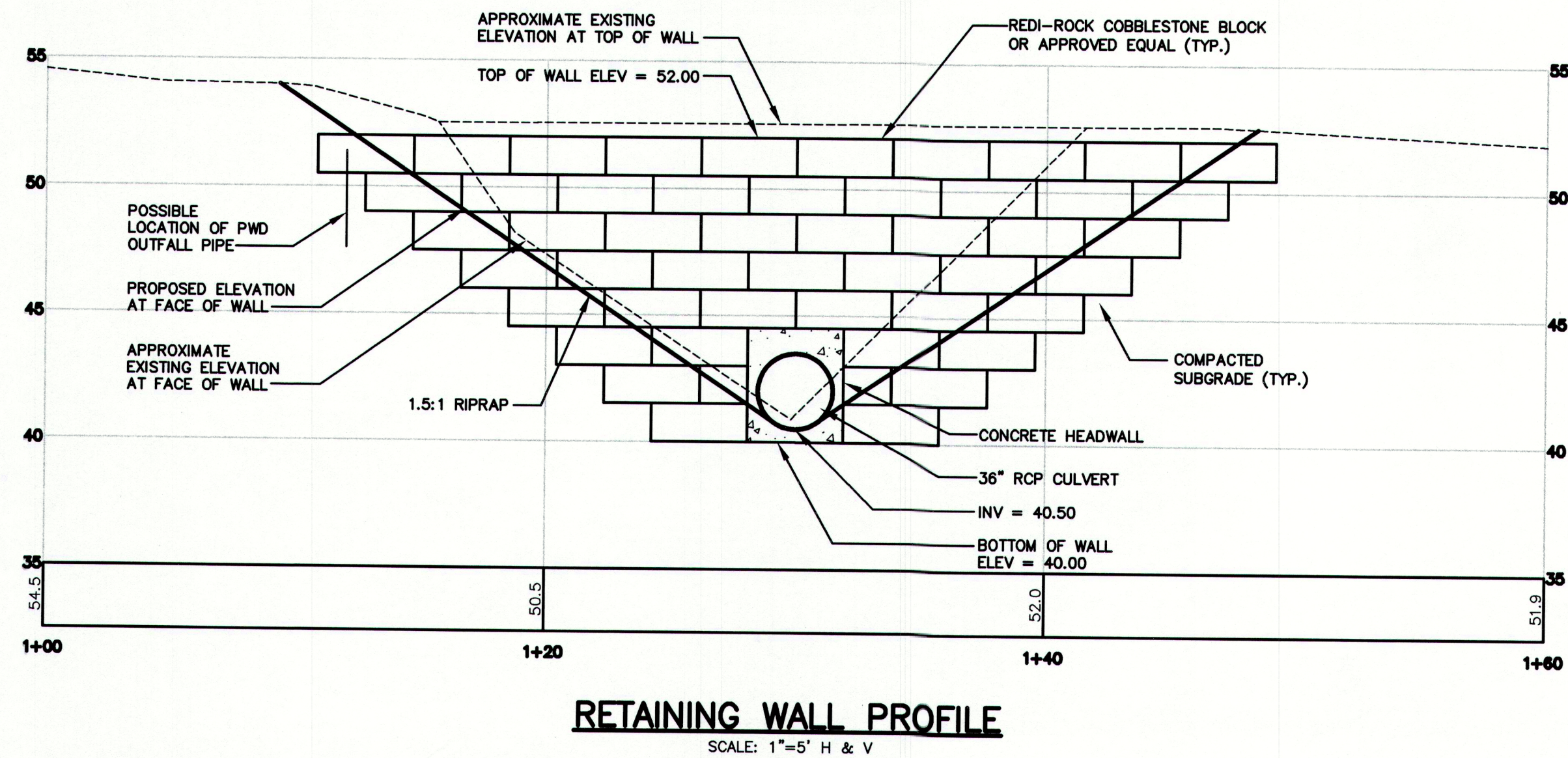
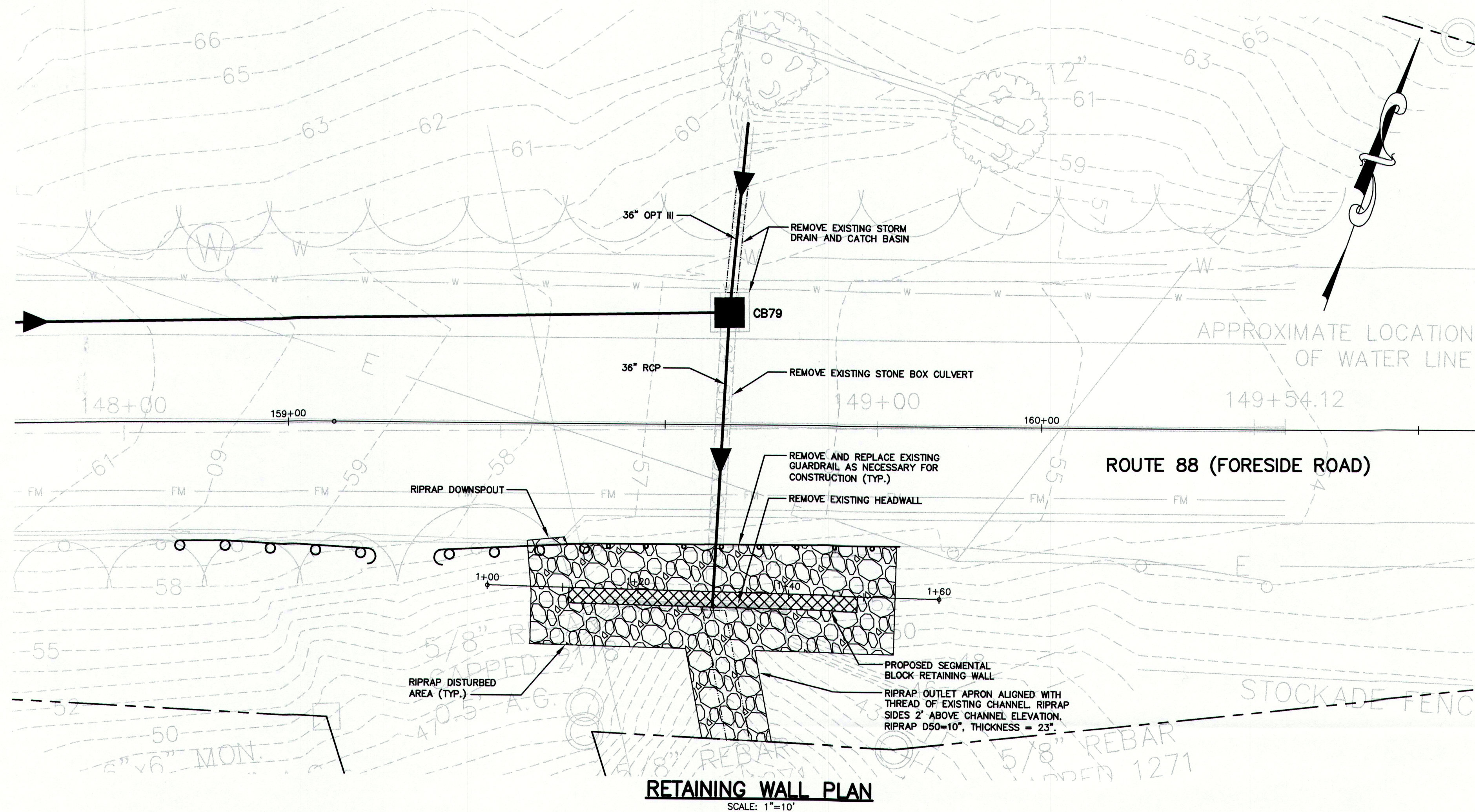
REVIEW	12/31/09	RCN
REVIEW	12/10/09	RCN
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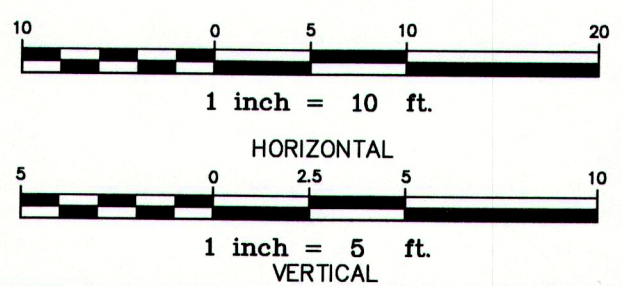
Drawing No.

35

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Rev.	Date	Revision

REVIEW	12/31/09	RCN
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Issued For	Date	By

Design: JWA	Draft: DB/ZRJ	Date: DEC 2009
Checked: RCN	Scale: 1"=25'	Job No.: 2239
File Name: 2239_RETWall.dwg		
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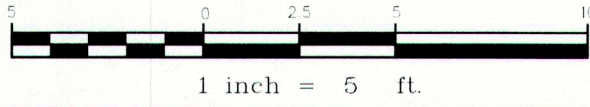
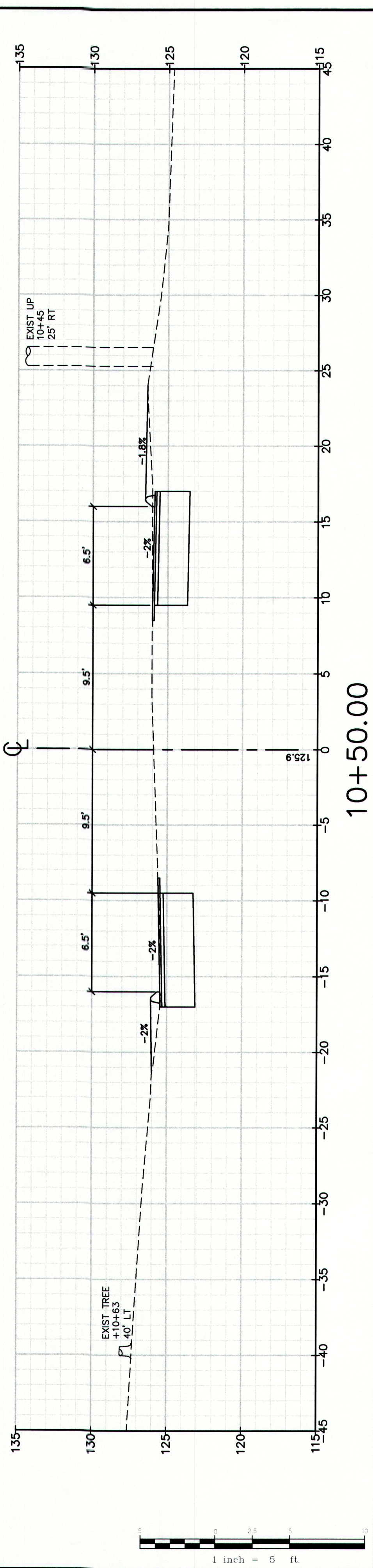
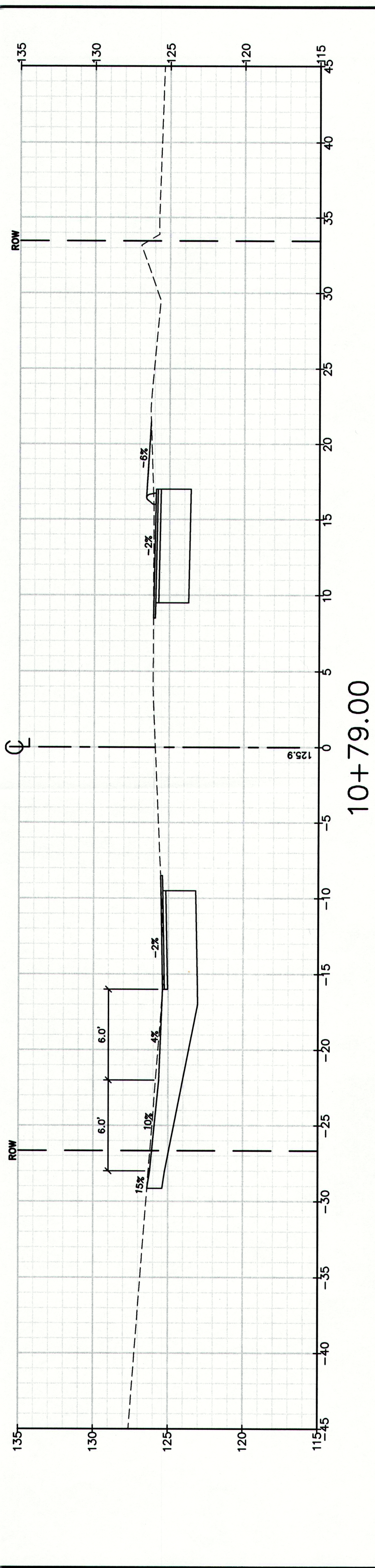
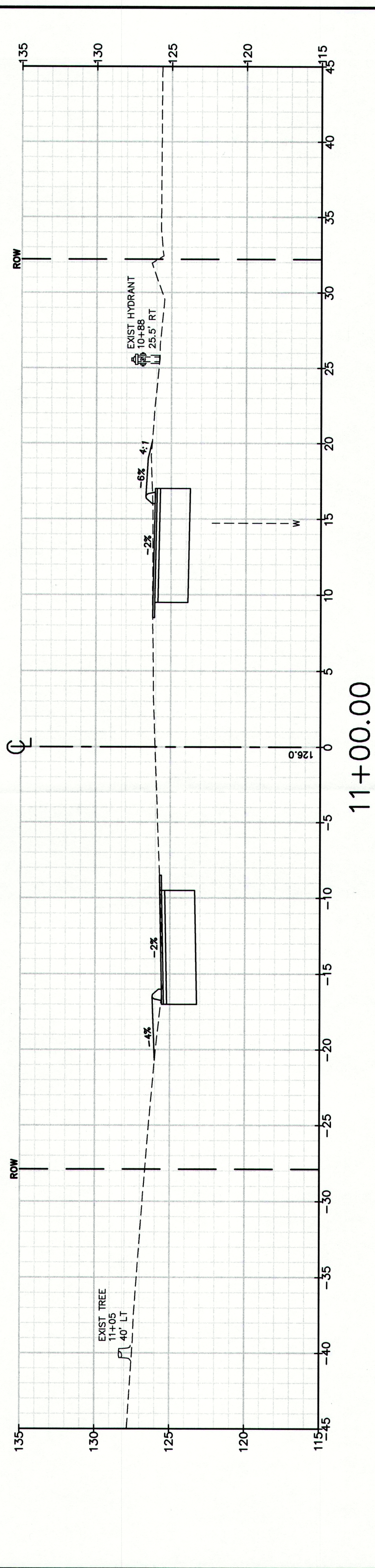
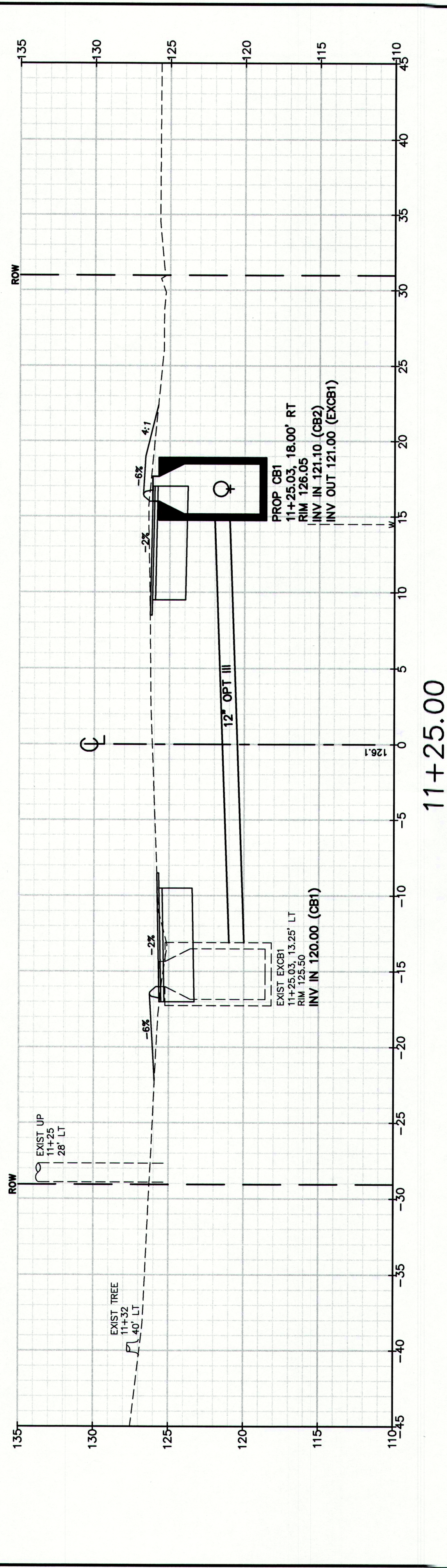
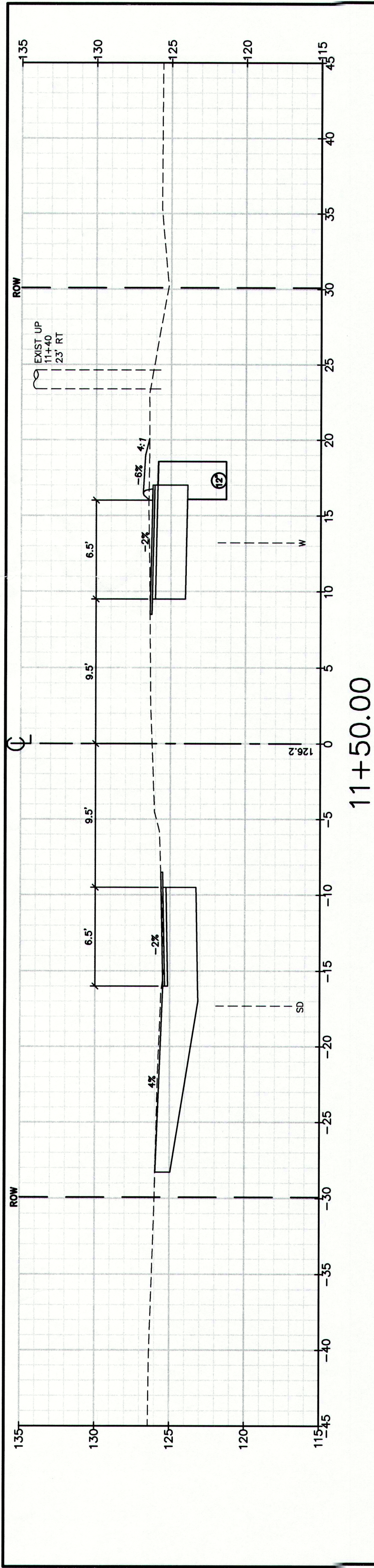
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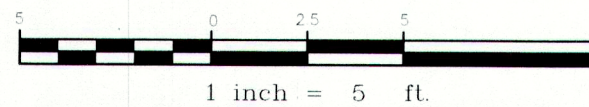
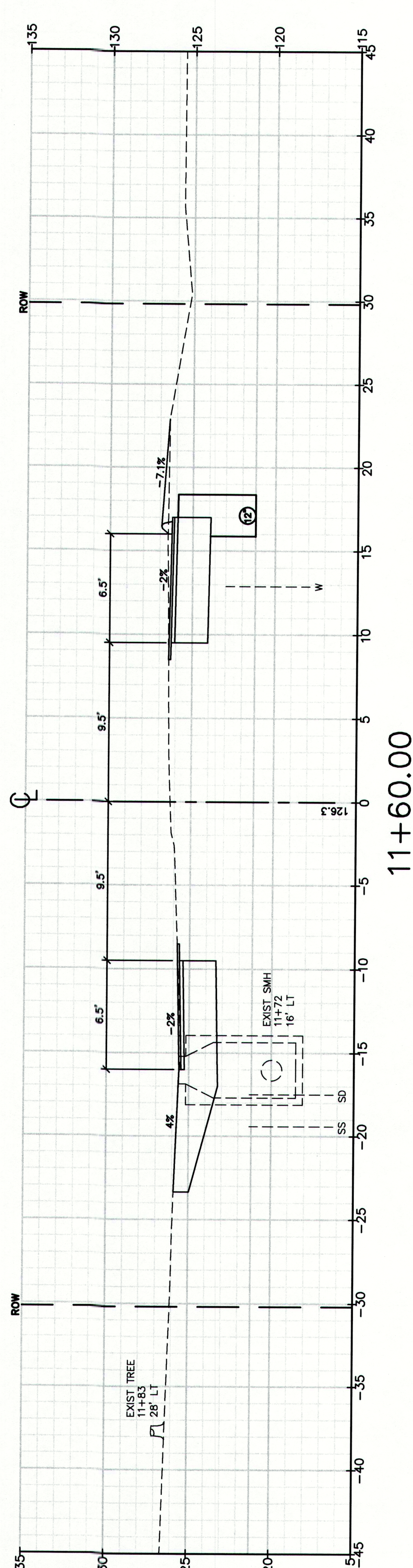
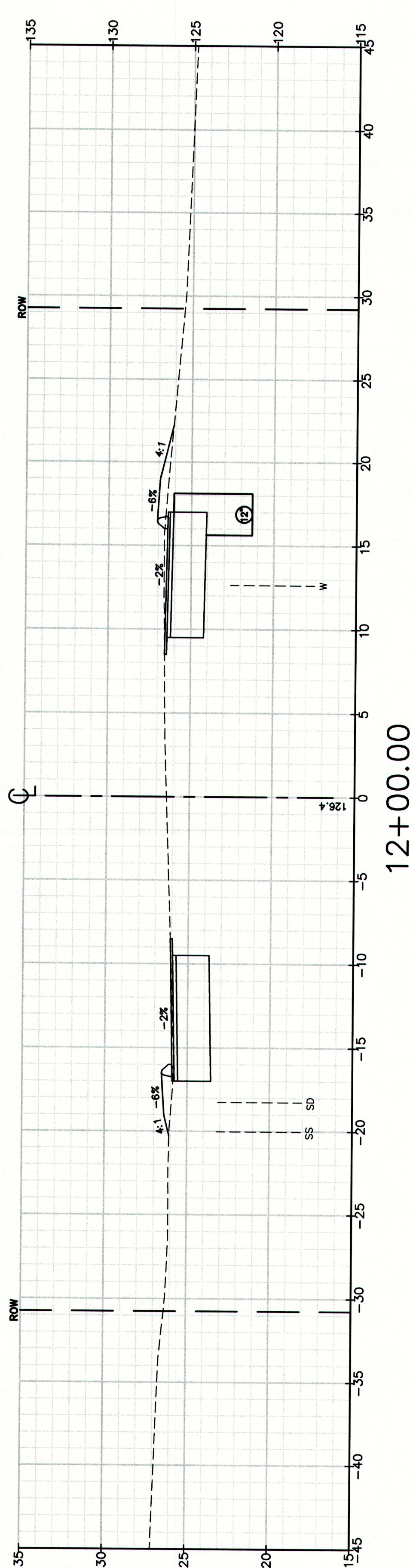
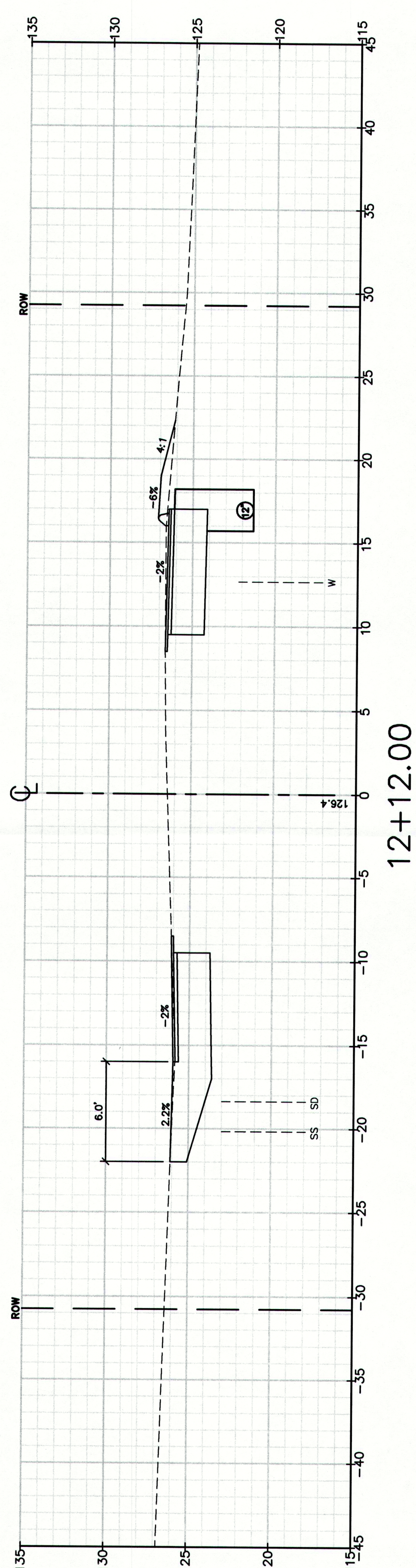
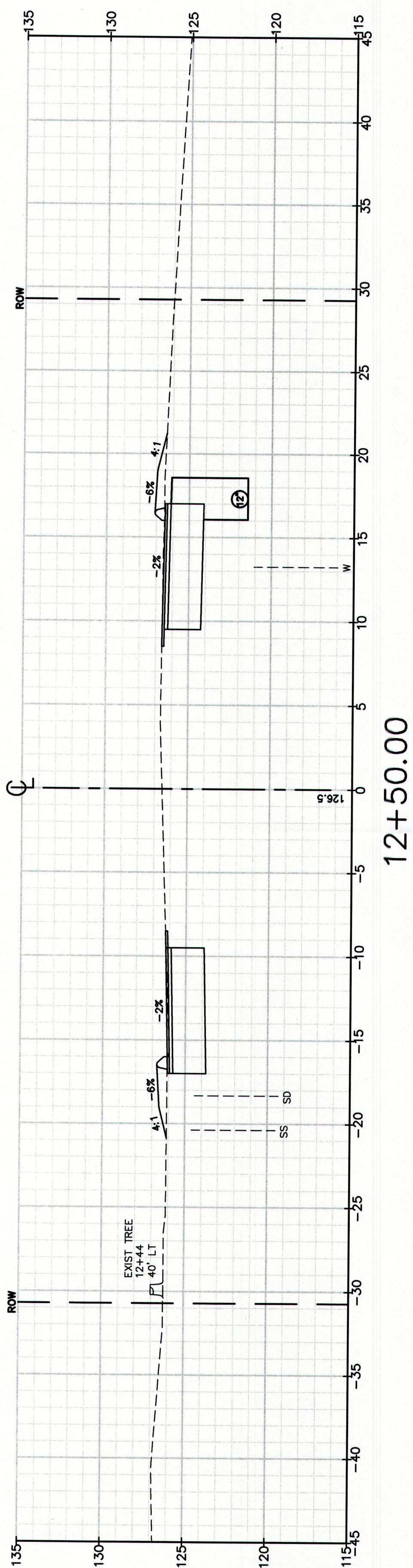
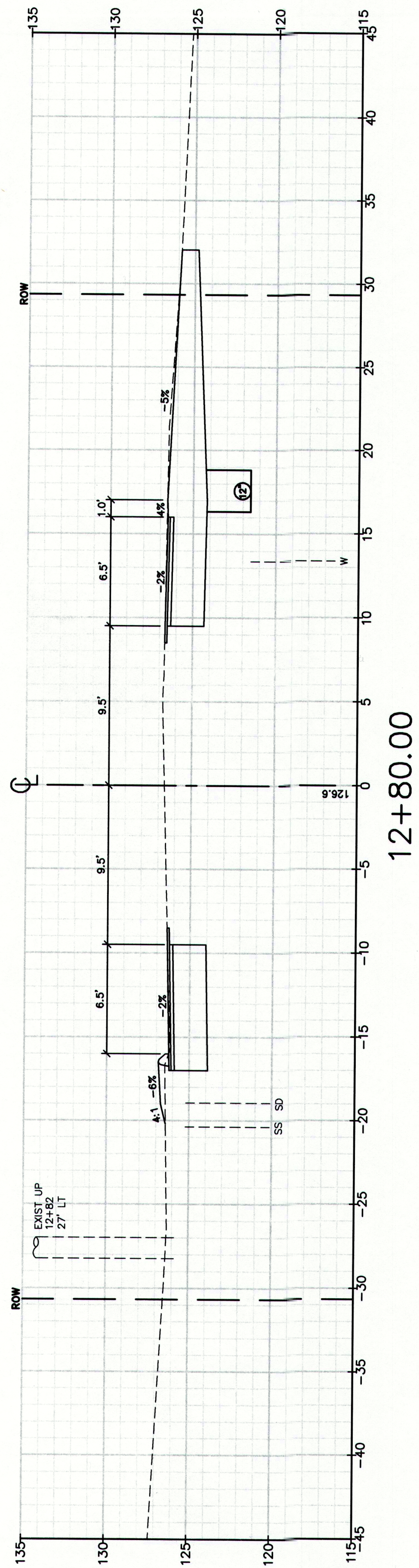
Drawing Name:
Retaining Wall Plan & Profile & Guardrail Detail
Project: **Route 88 & Tuttle Road**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021
MAINEDOT PIN

Drawing No.

36

CUMBERLAND, ROUTE 88





MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

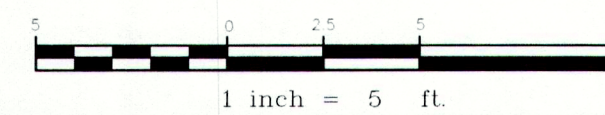
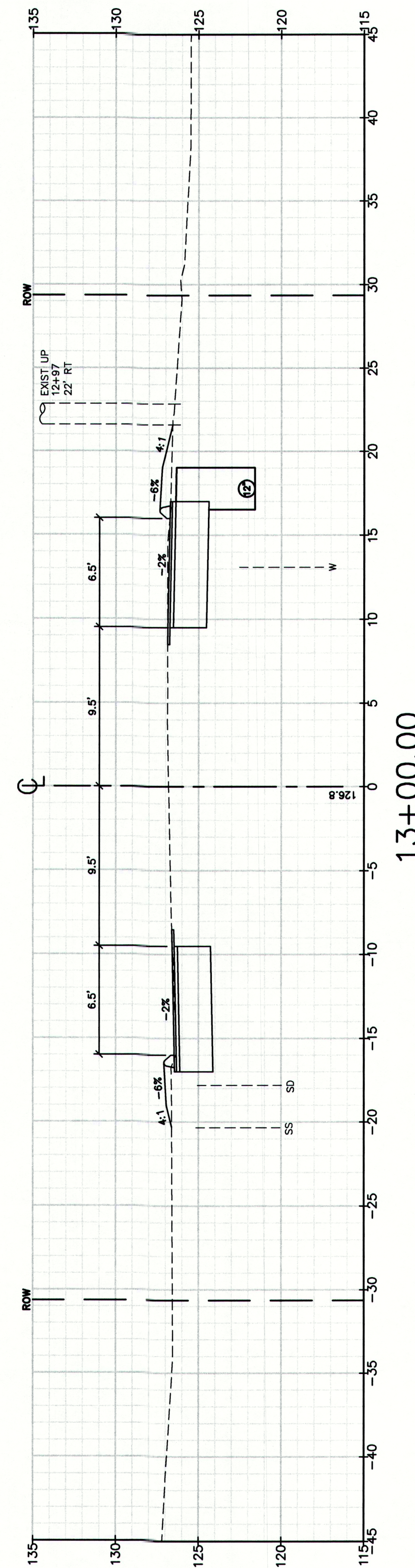
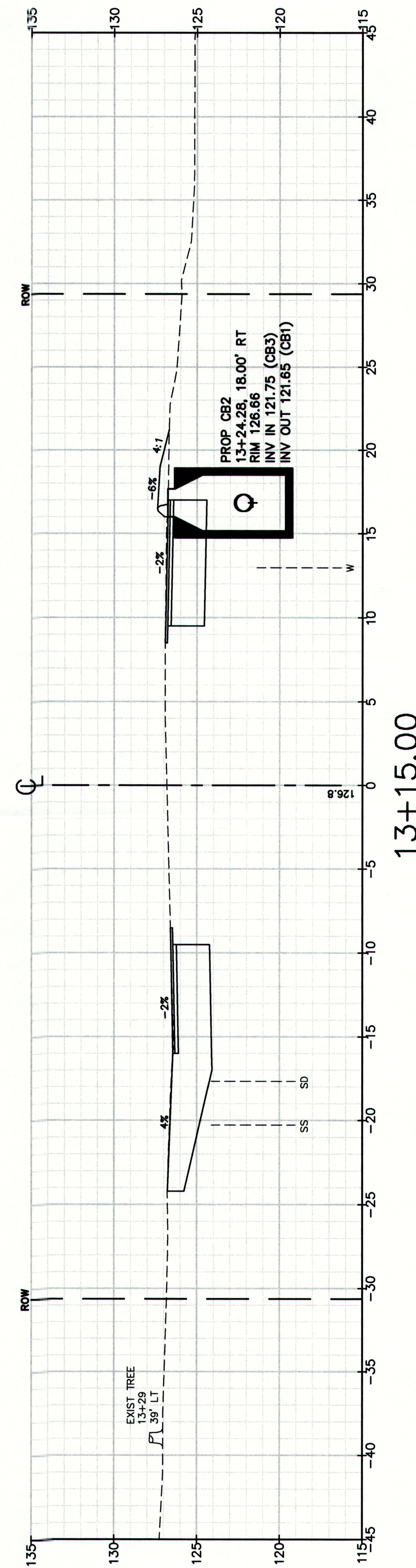
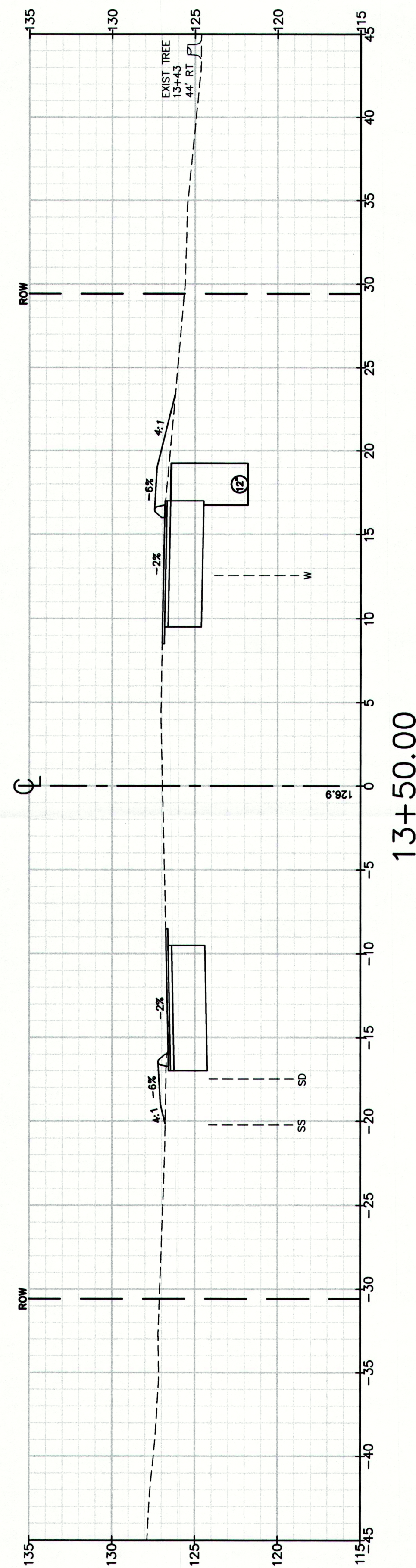
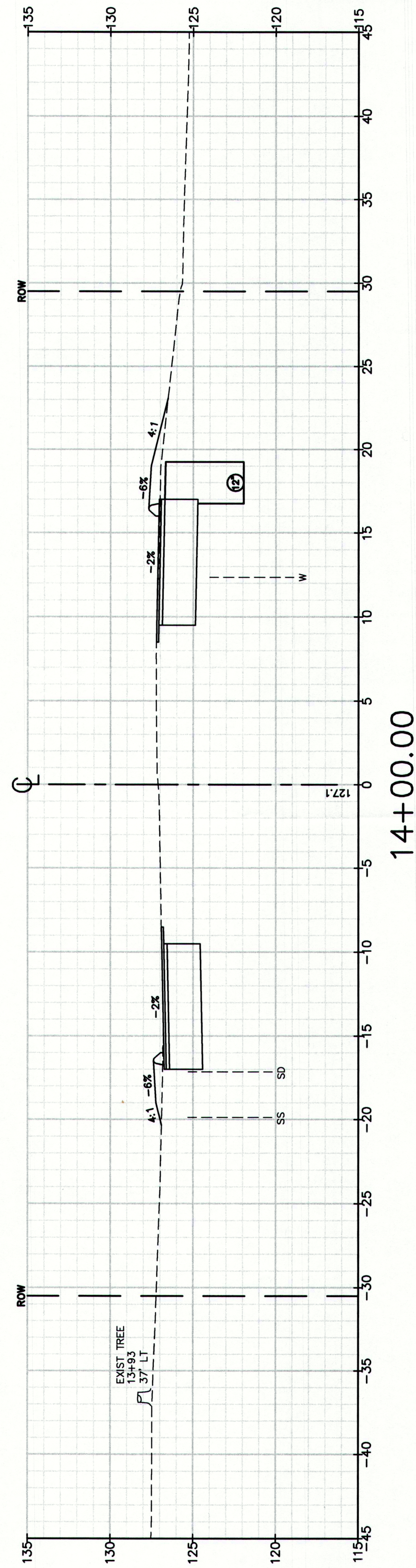
Project: **Route 88 & Tuttle Road Ramps**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021

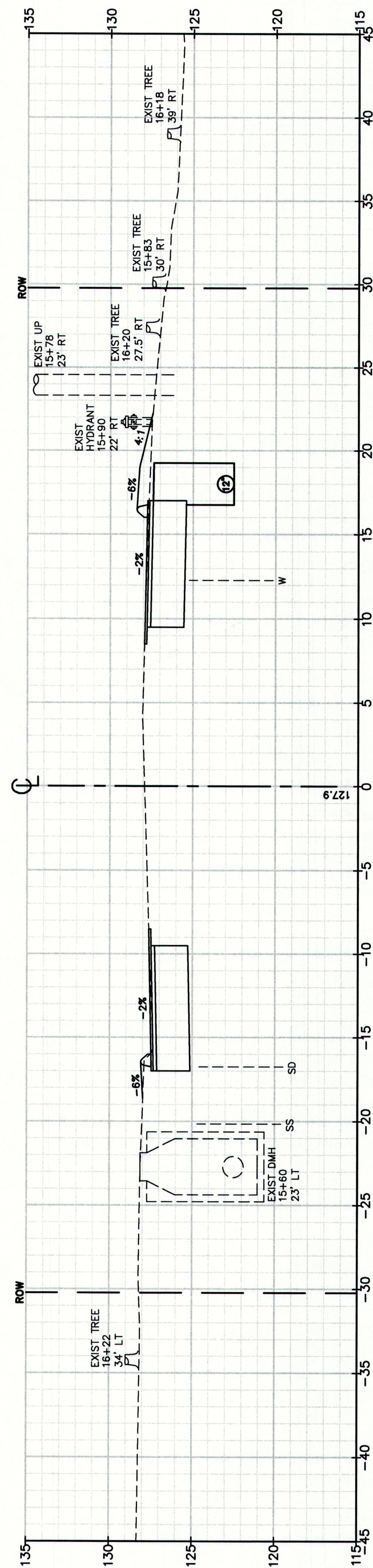
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38

Cross Sections

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Design: RJB
Checked: RJB
File Name: 2239_XSEC1.dwg
Date: DEC 2009
Draft: DB
Scale:
Job No: 2239
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Plan view of proposed stormwater management facility. The drawing shows two rectangular basins, a wet pond, and a wetland area. The basins are labeled with their dimensions and elevations. The wet pond is labeled with its dimensions and elevations. The wetland area is labeled with its dimensions and elevations. The drawing also shows the proposed stormwater management facility, including the wet pond, wetland, and basins. The drawing is oriented with North at the top.

Basin 1 (Left):
 Dimensions: 15' x 17' LT, 27' LT
 Elevation: 127.4
 Slope: -2% (SS), -6% (SD)

Basin 2 (Right):
 Dimensions: 15' x 25', 18.00' RT
 Elevation: 127.29
 Slope: -2% (SS), -6% (SD)

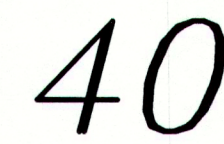
Wet Pond:
 Dimensions: 15' x 25', 18.00' RT
 Elevation: 127.29
 Slope: -2% (SS), -6% (SD)

Wetland:
 Dimensions: 15' x 25', 18.00' RT
 Elevation: 127.29
 Slope: -2% (SS), -6% (SD)

Proposed Stormwater Management Facility:
 Dimensions: 15' x 25', 18.00' RT
 Elevation: 127.29
 Slope: -2% (SS), -6% (SD)

Existing Features:
 EXIST. TREE 144.86
 EXIST. TREE 144.86
 EXIST. TREE 144.86

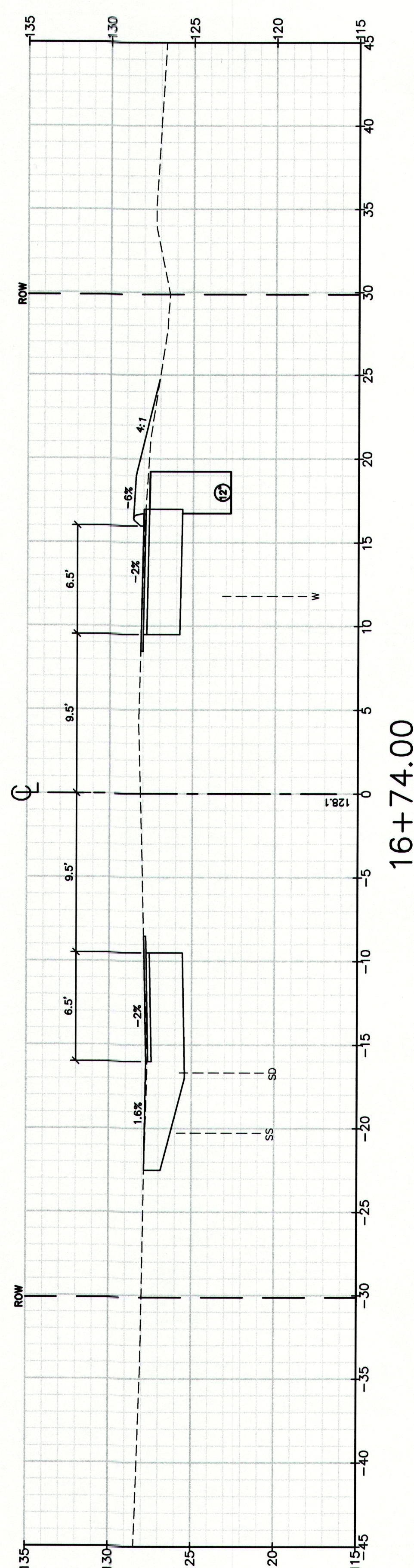
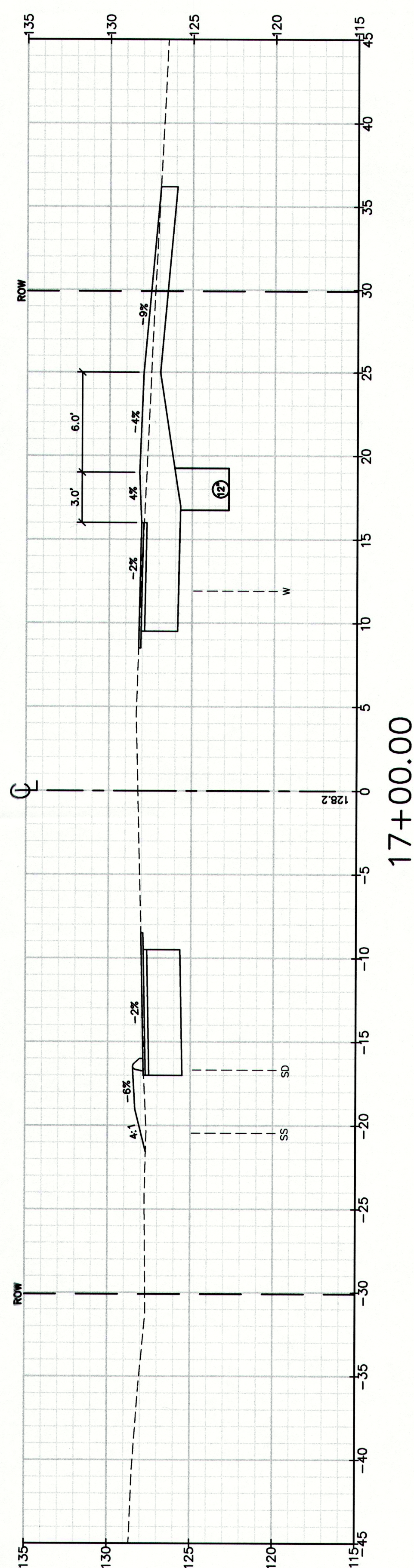
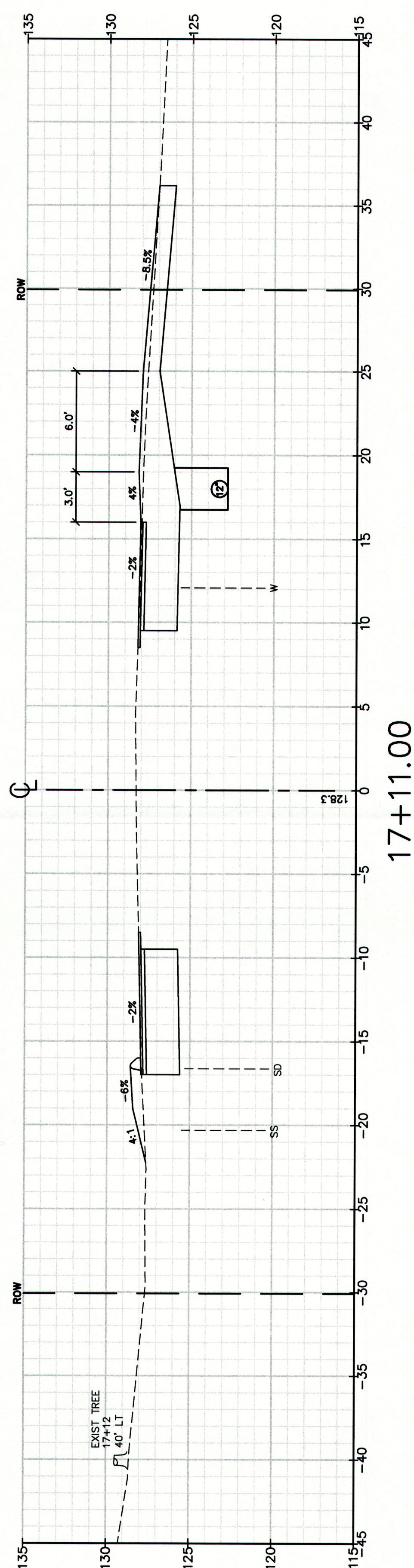
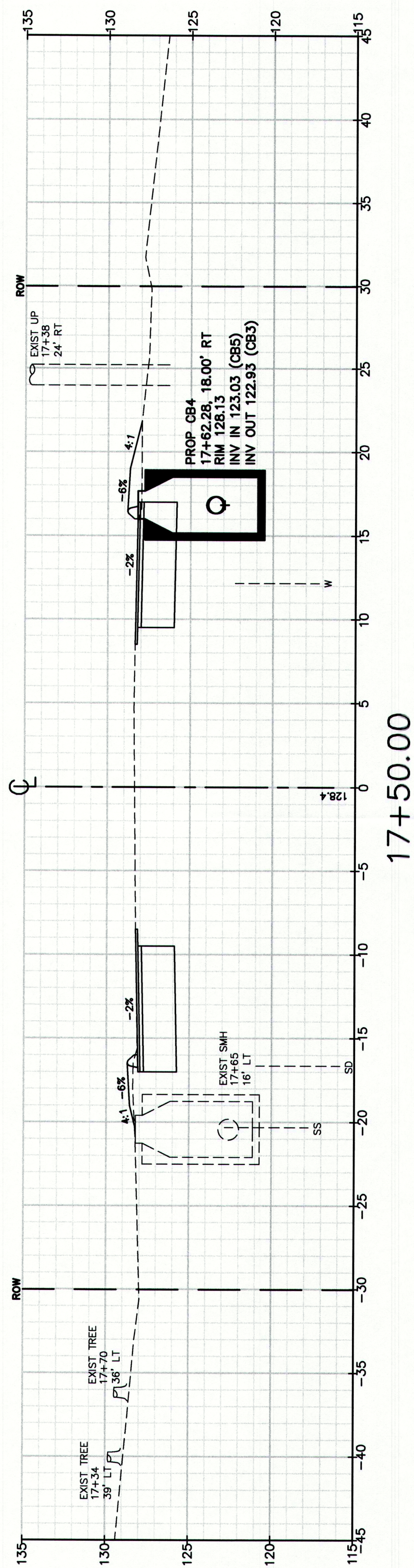
Proposed Stormwater Management Facility:
 PROPOSED STORMWATER MANAGEMENT FACILITY
 PROPOSED STORMWATER MANAGEMENT FACILITY
 PROPOSED STORMWATER MANAGEMENT FACILITY

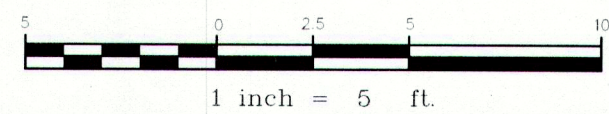
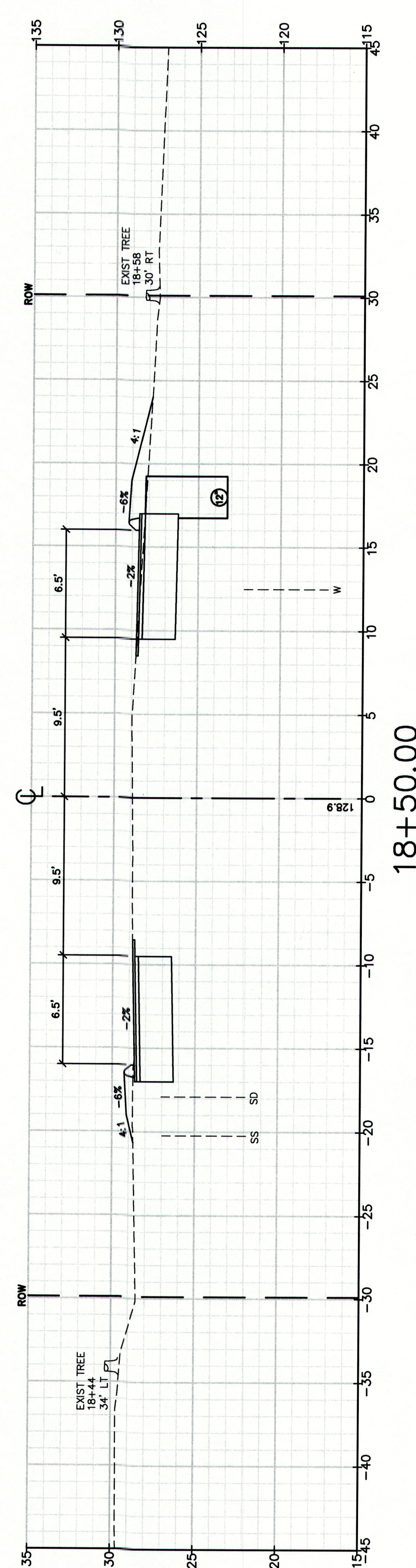
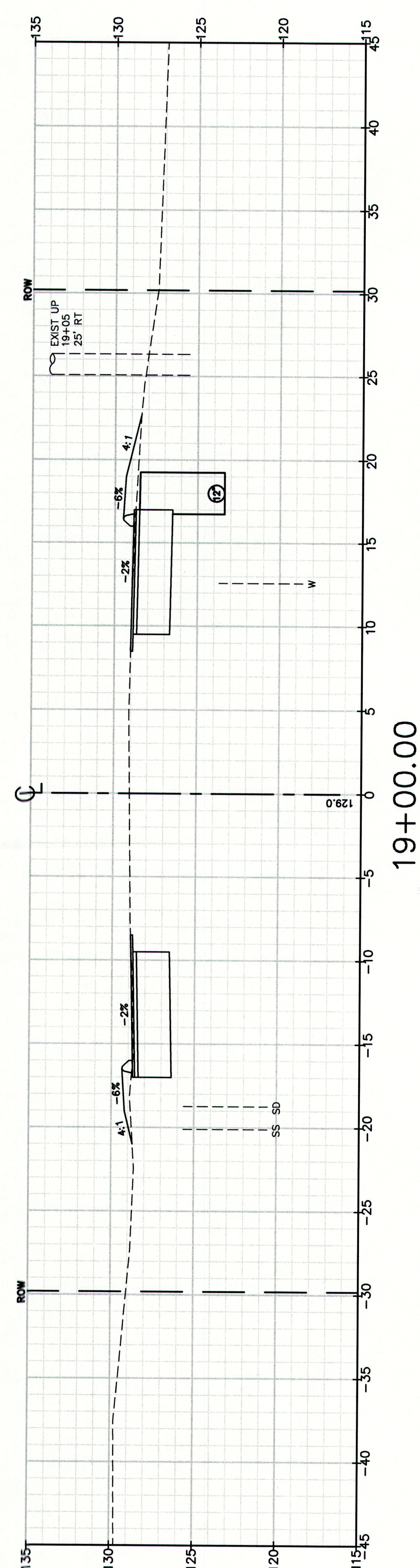
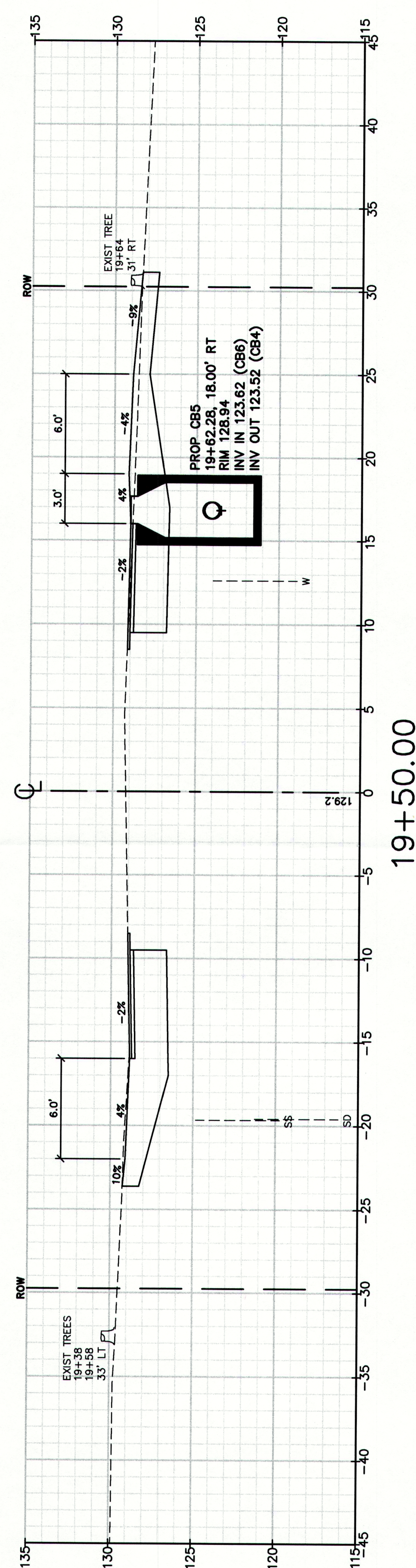
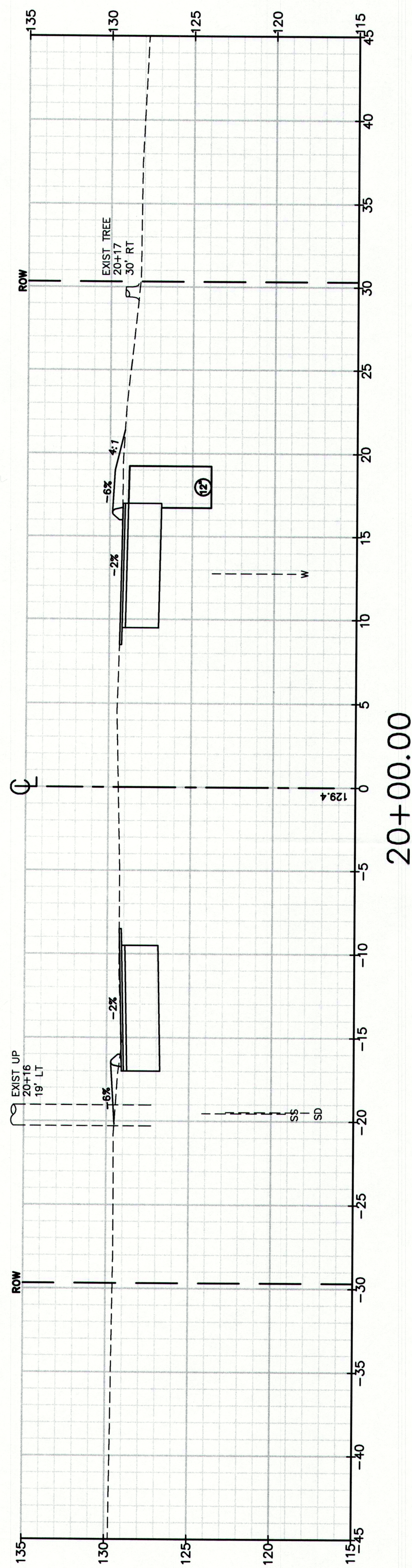
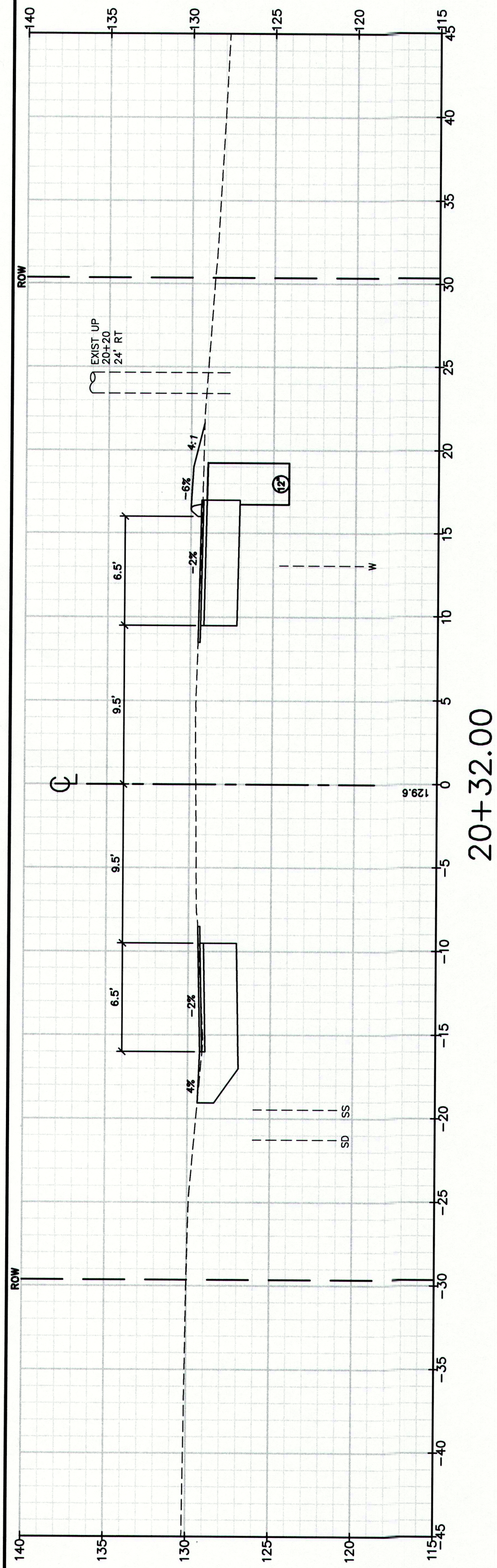


TOWN OF Cumberland
290 Tuttle Road, Cumberland, ME 04021

E-Mail: mailbox@gorrillpalmer.com
FAX: 207-657-6912

File Name: 2239-X3ECL1.dwg





MAINEDOT PIN

CUMBERLAND, ROUTE 88

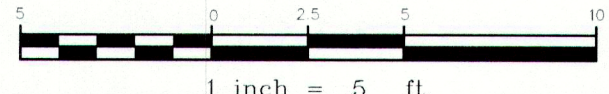
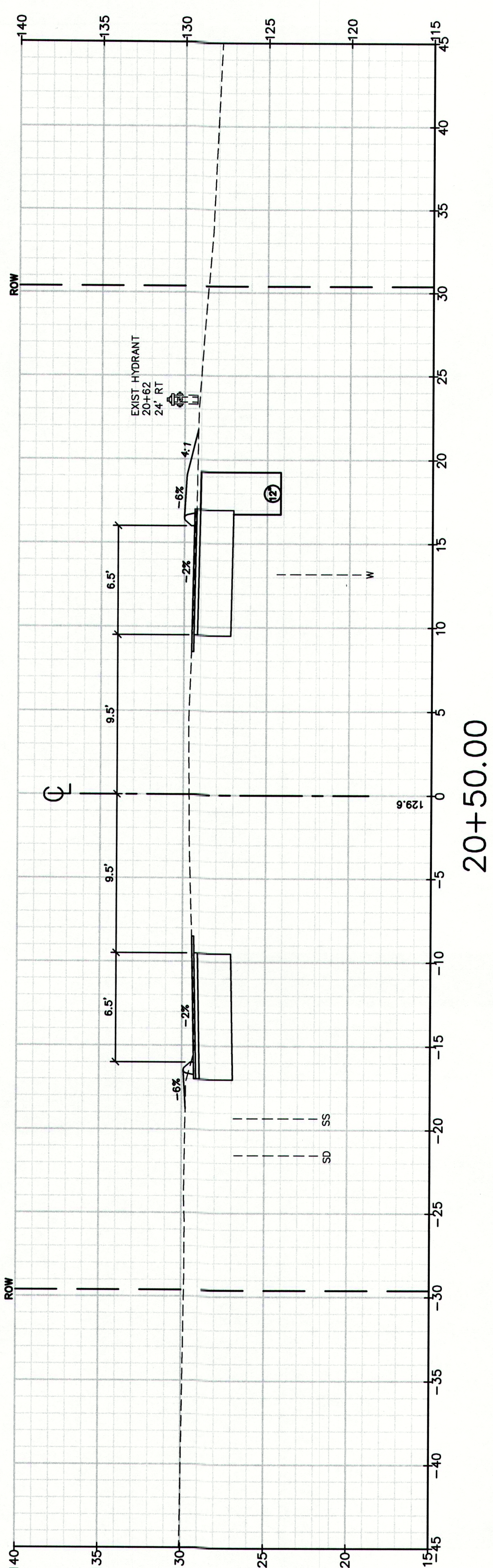
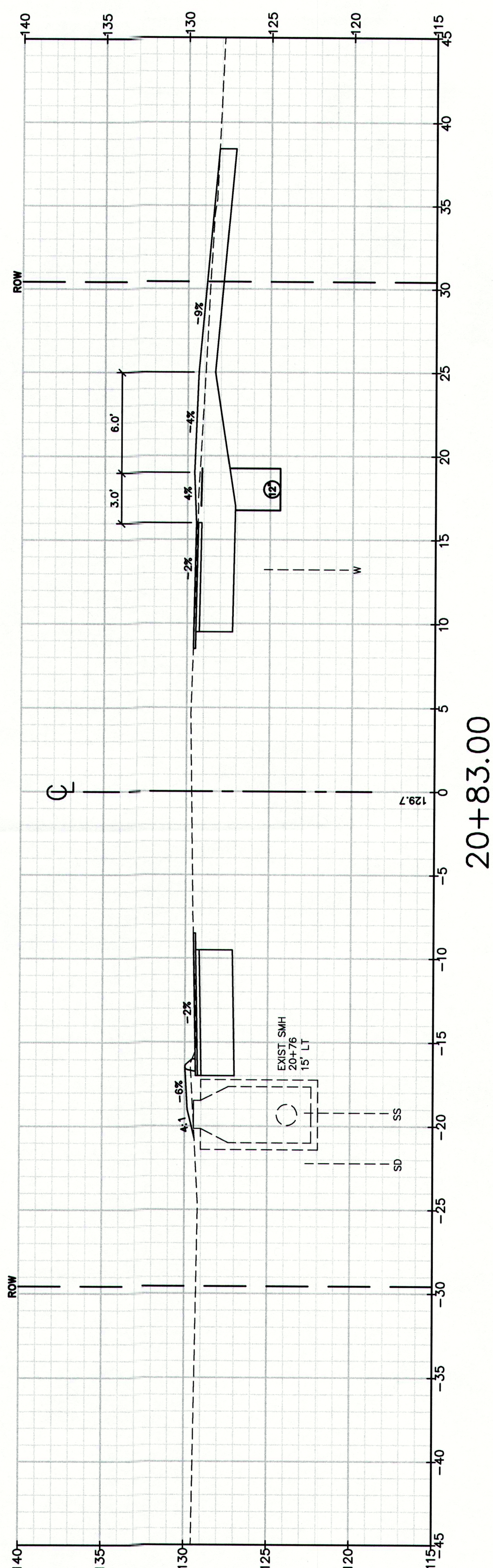
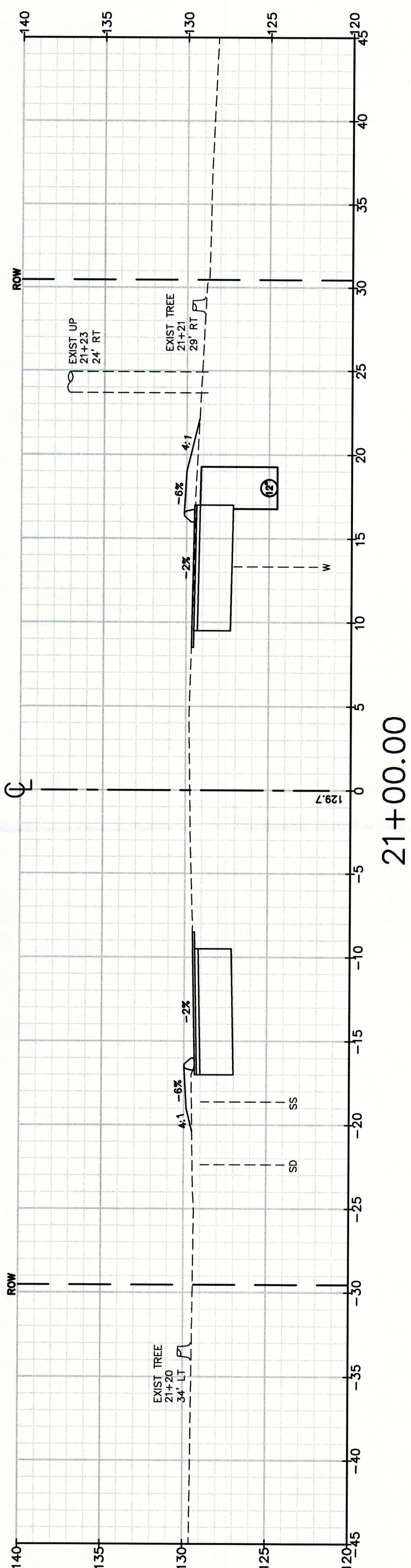
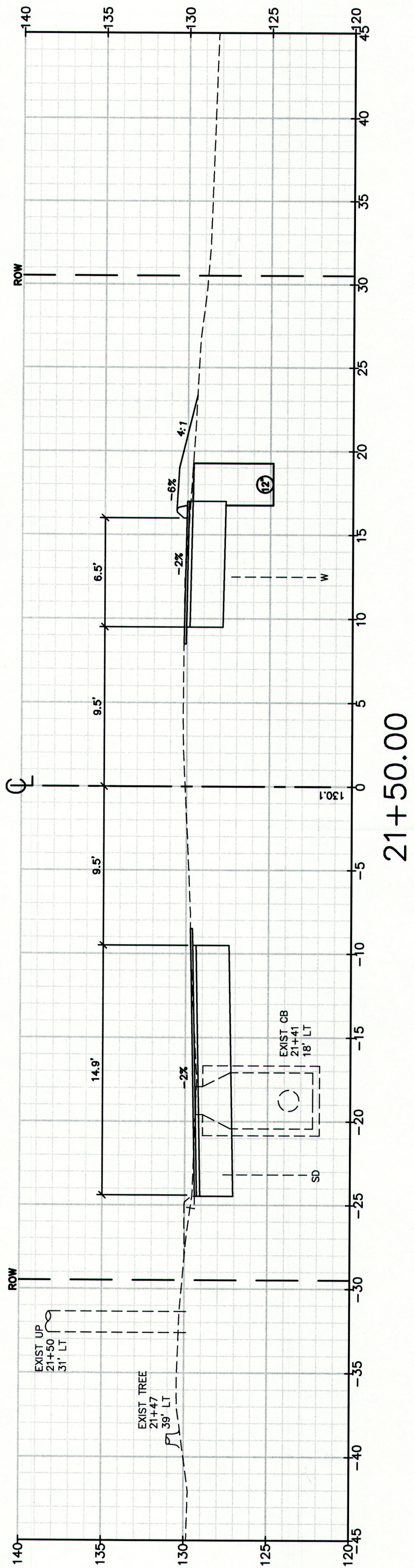
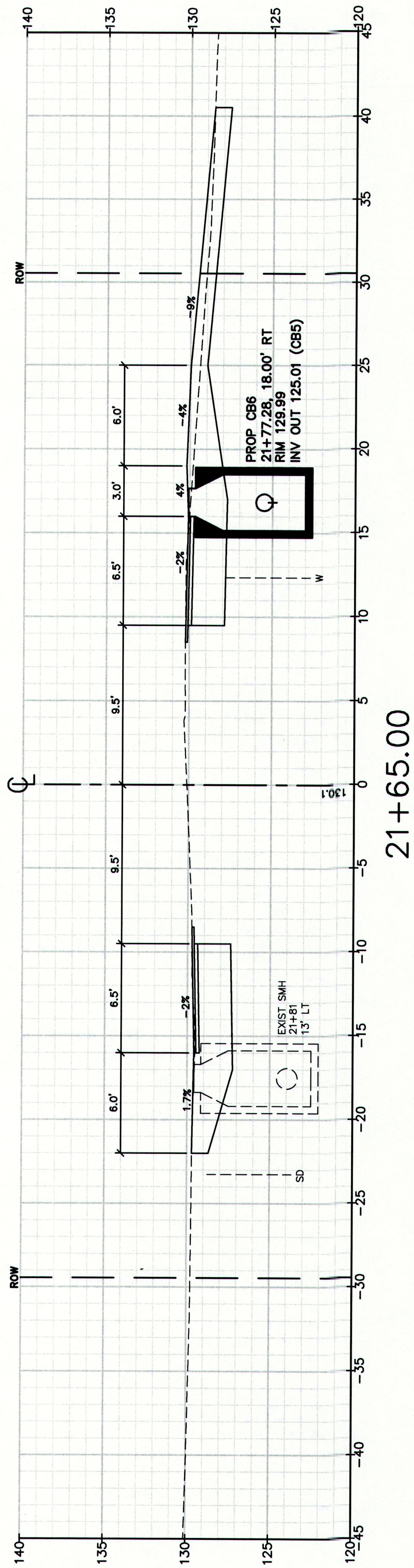
Drawing No.
42

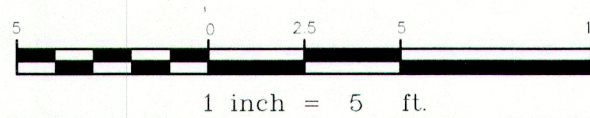
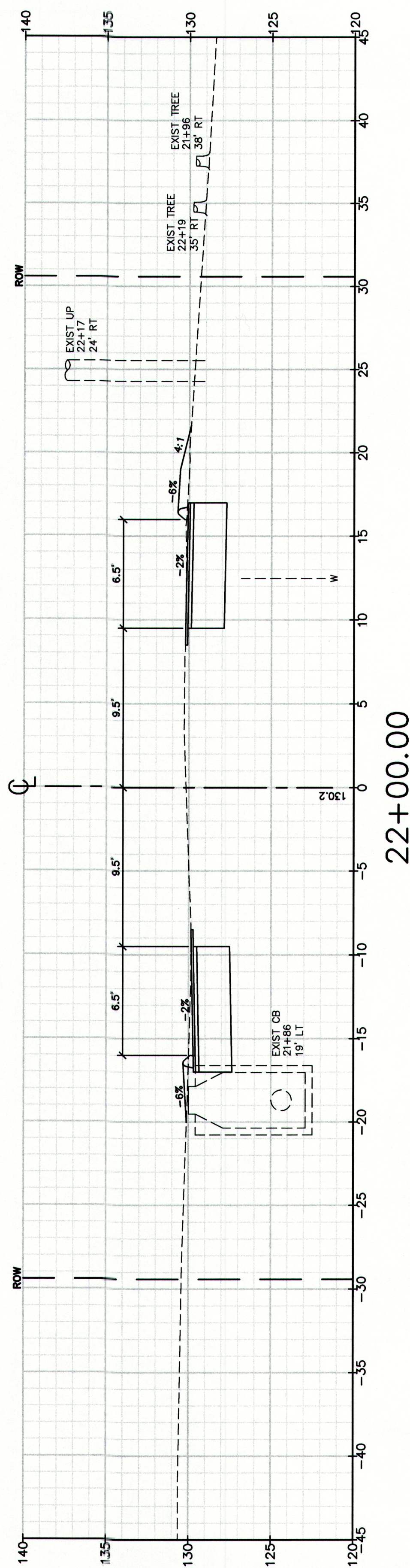
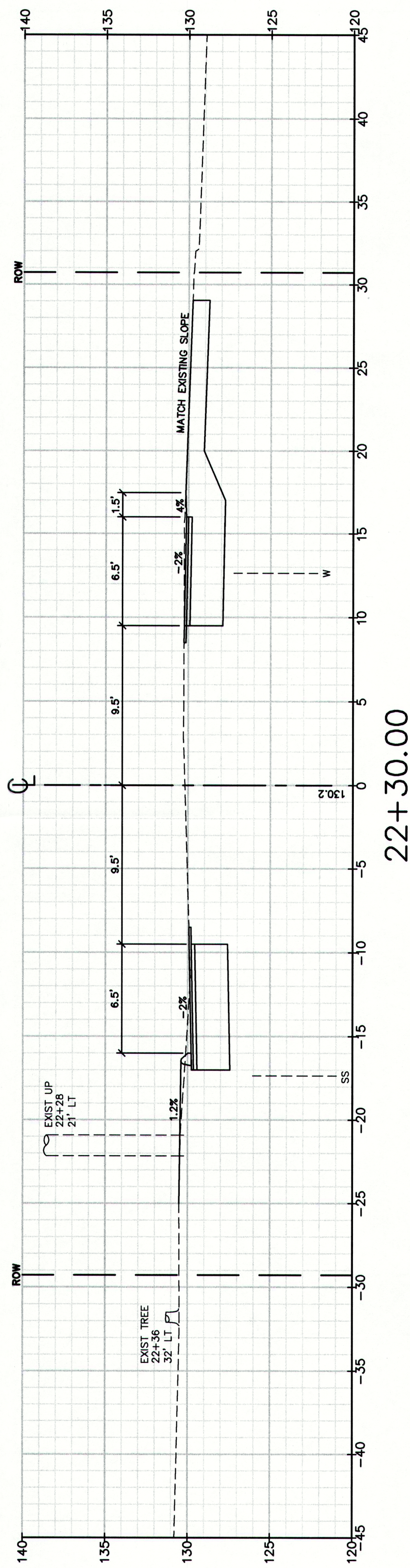
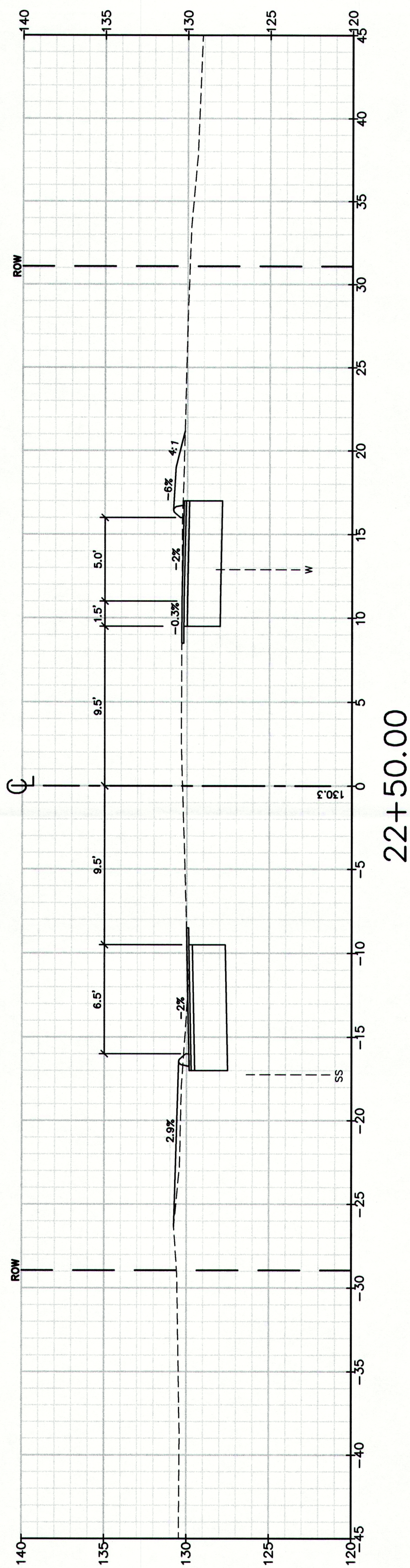
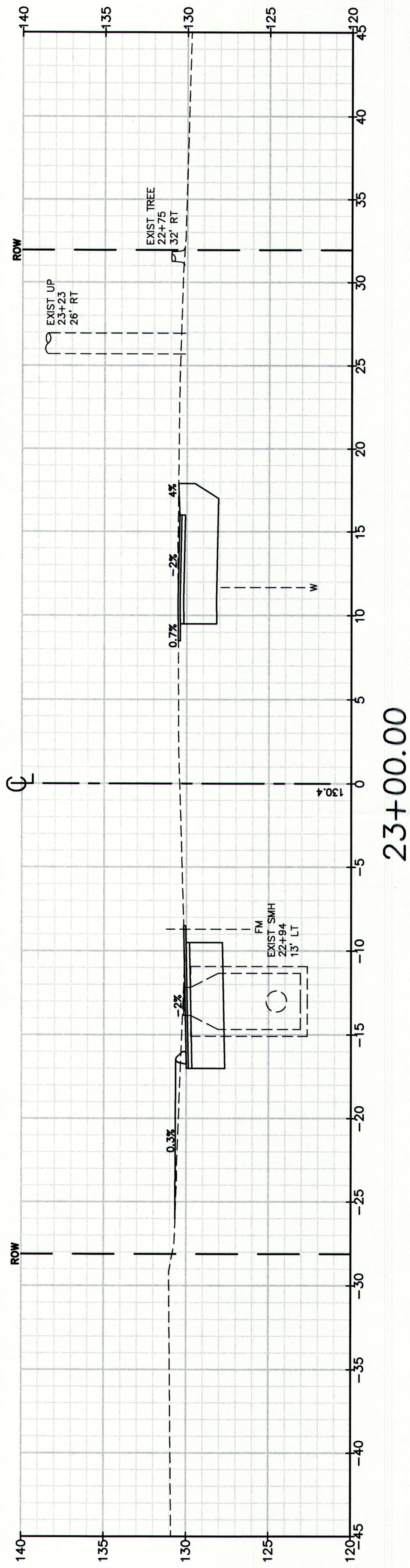
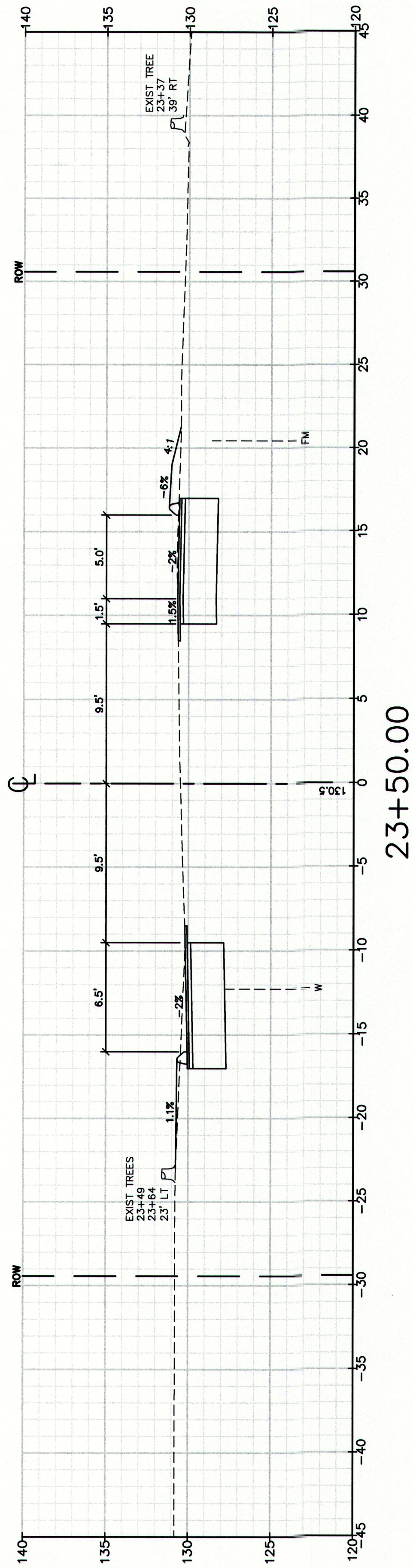
Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Client:
Town of Cumberland

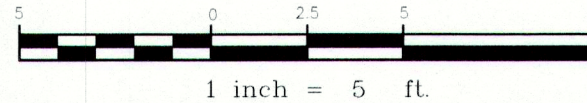
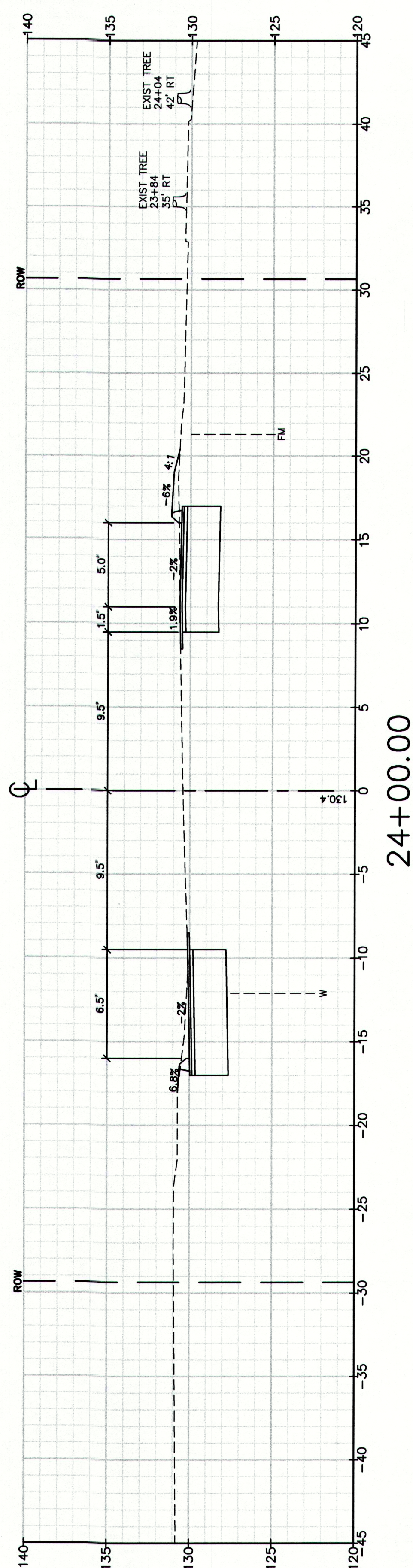
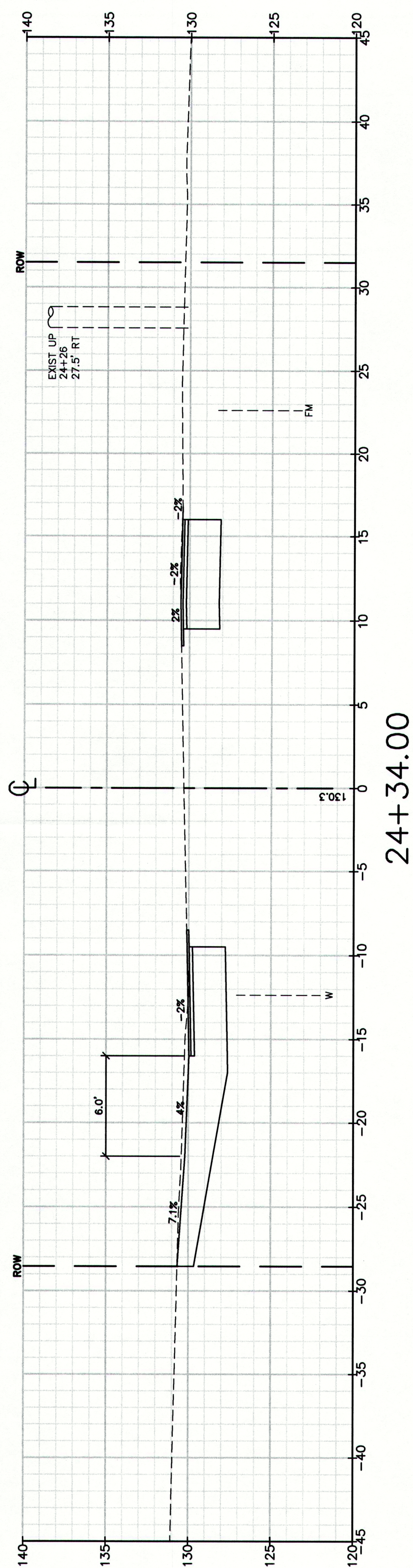
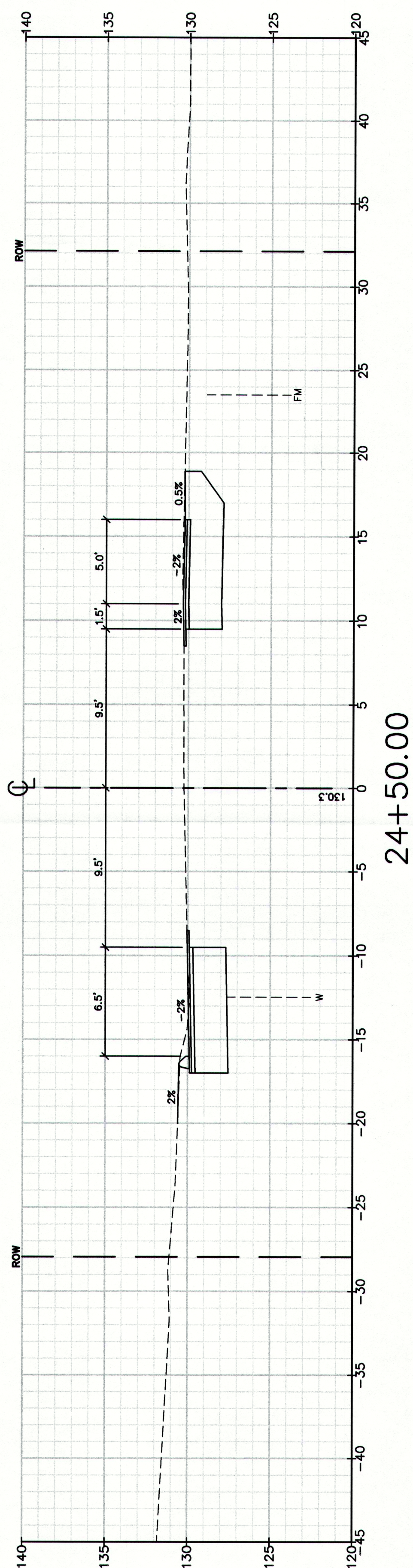
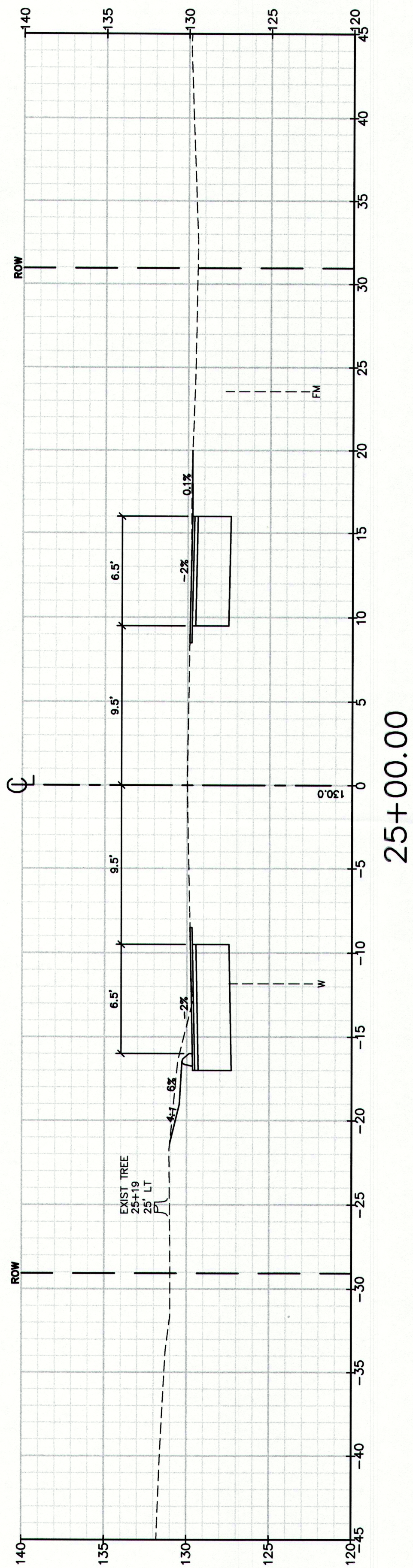
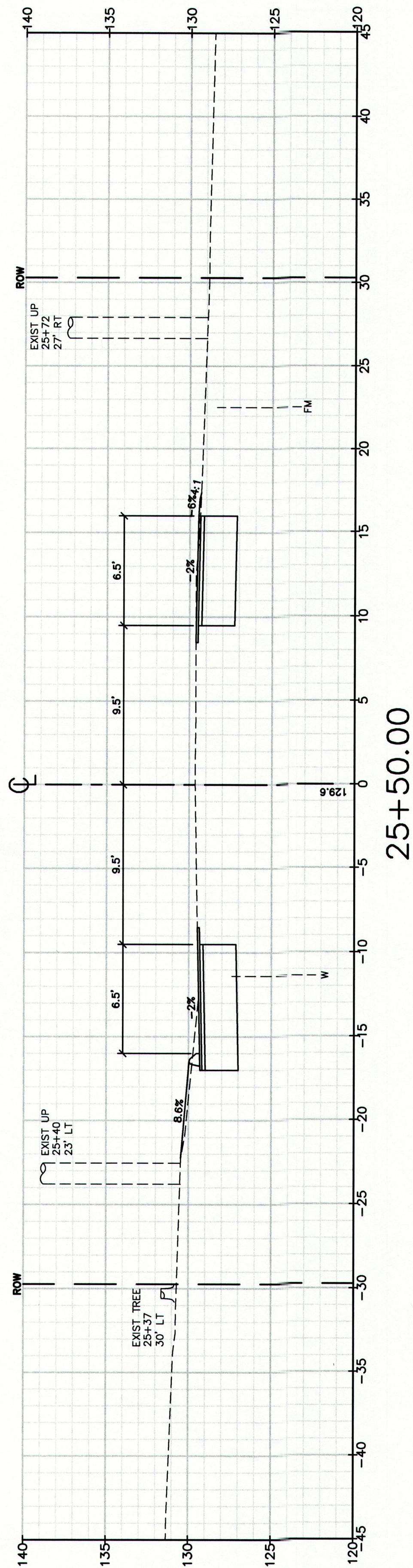
GP Gorrell-Palmer Consulting Engineers, Inc.
PO Box 1237
15 Shaker Road
Gray, ME 04039
207-657-6910
207-657-6912
E-Mail: mailbox@gorrellpalmer.com

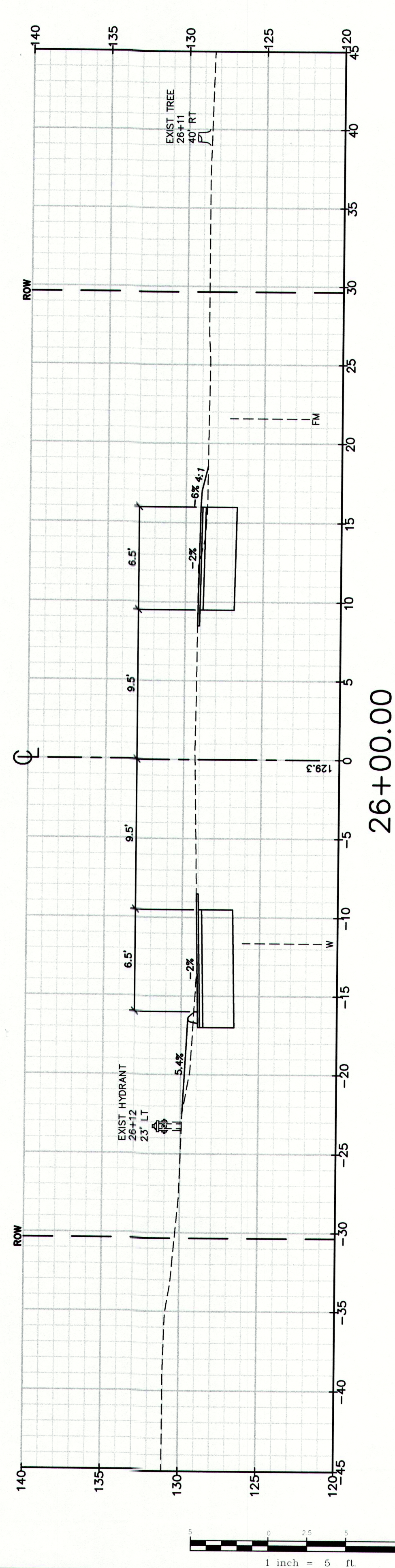
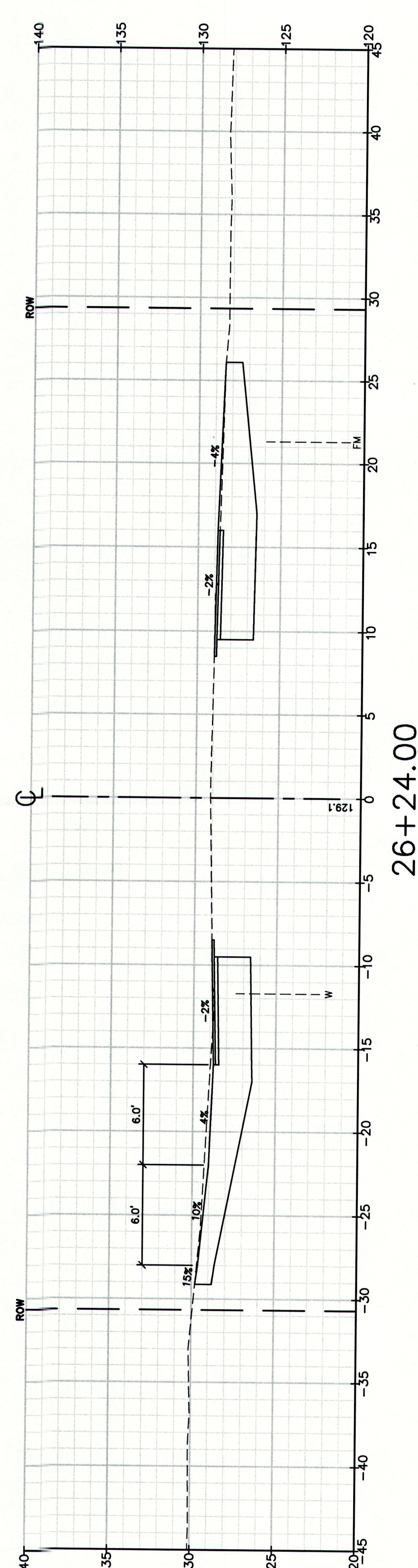
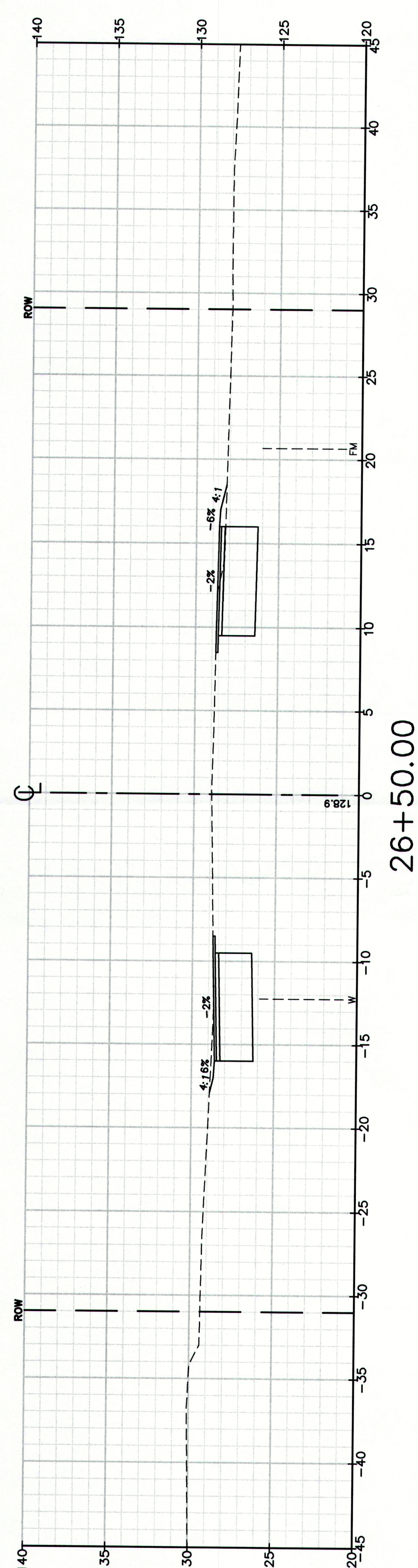
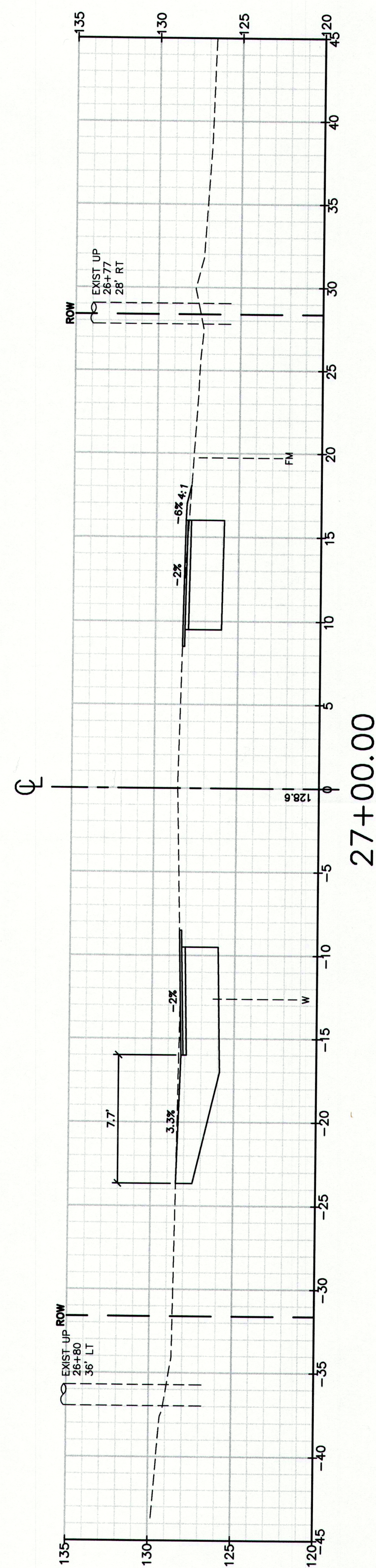
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Draft: DB
Scale:
Date: DEC 2009
Job No.: 2239
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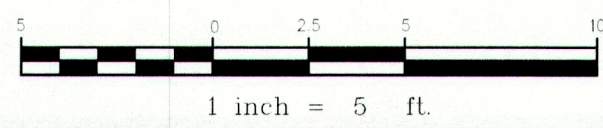
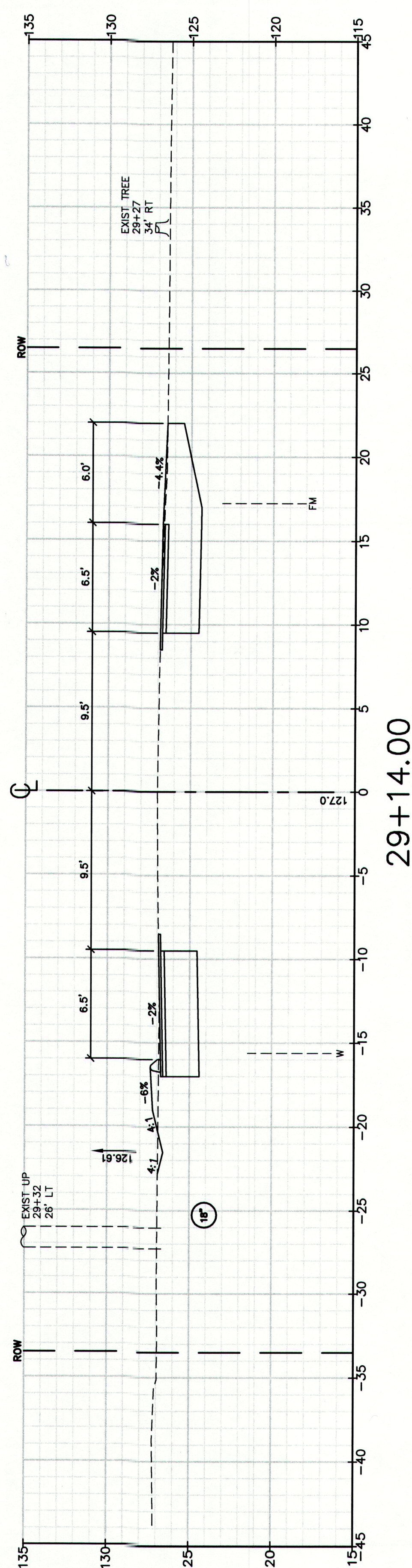
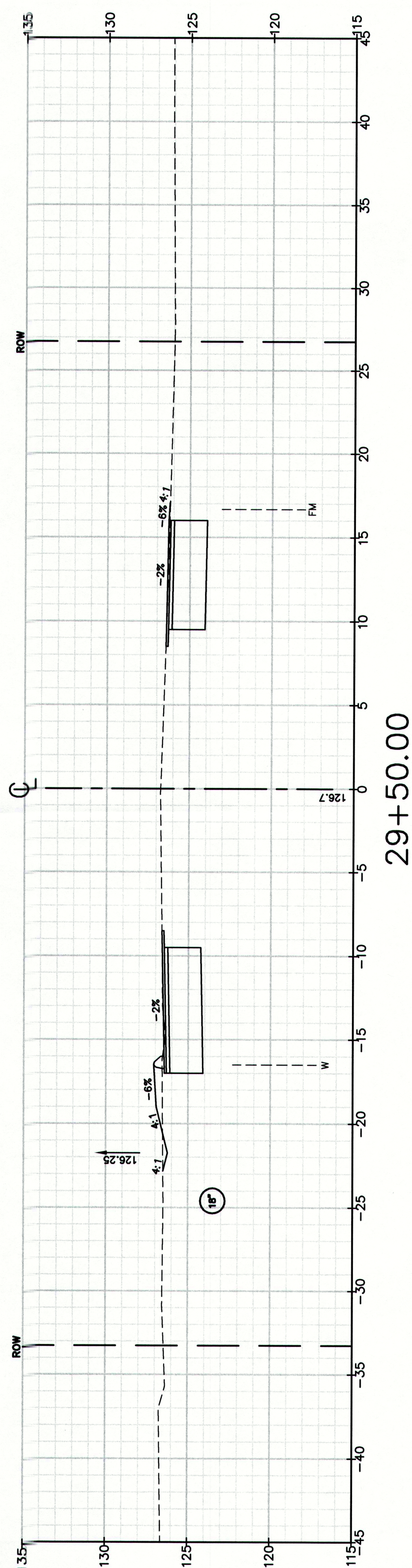
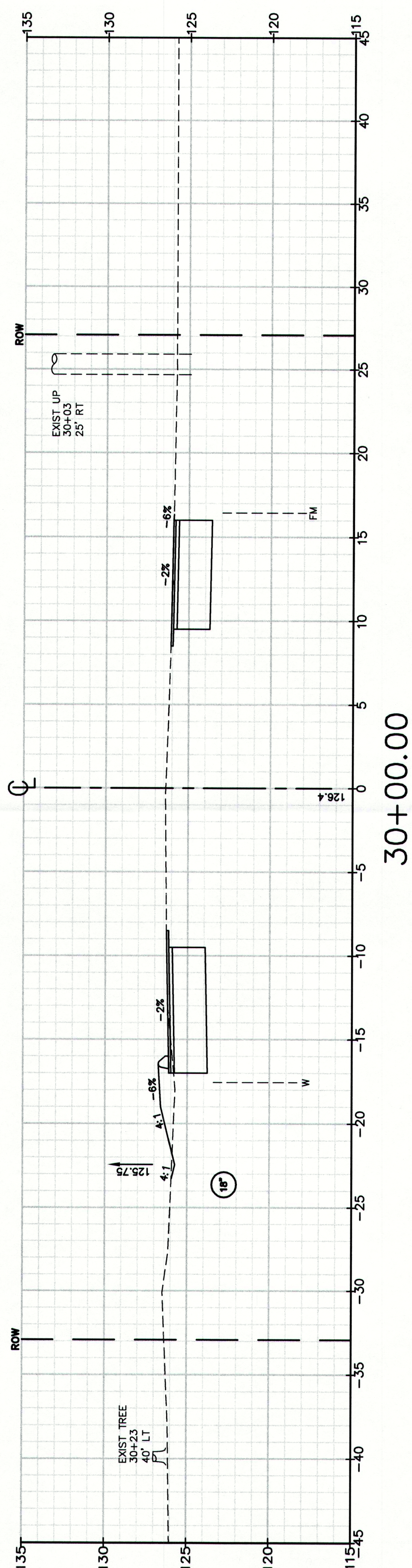
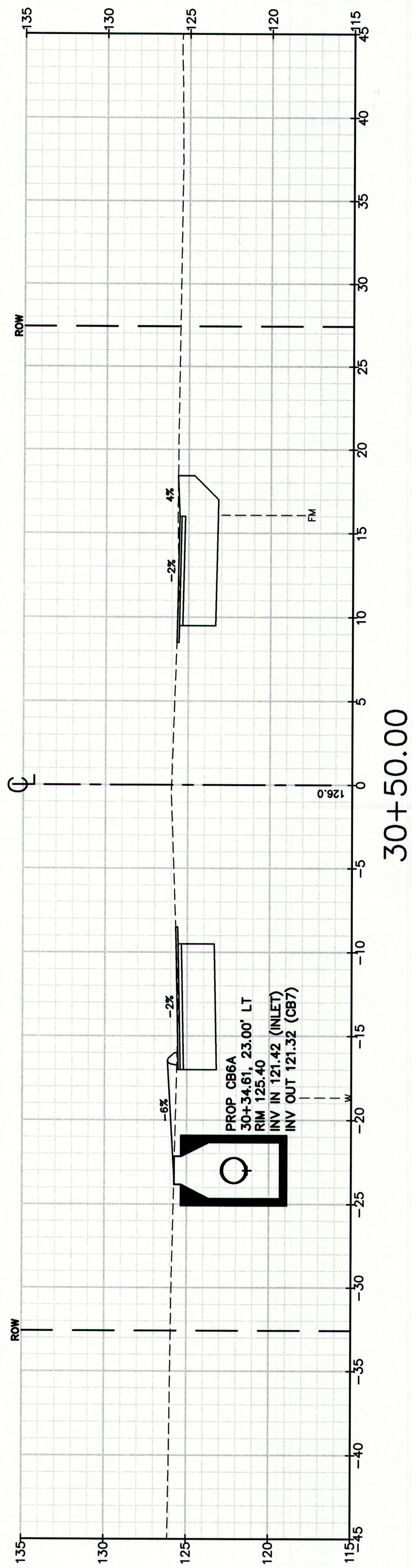
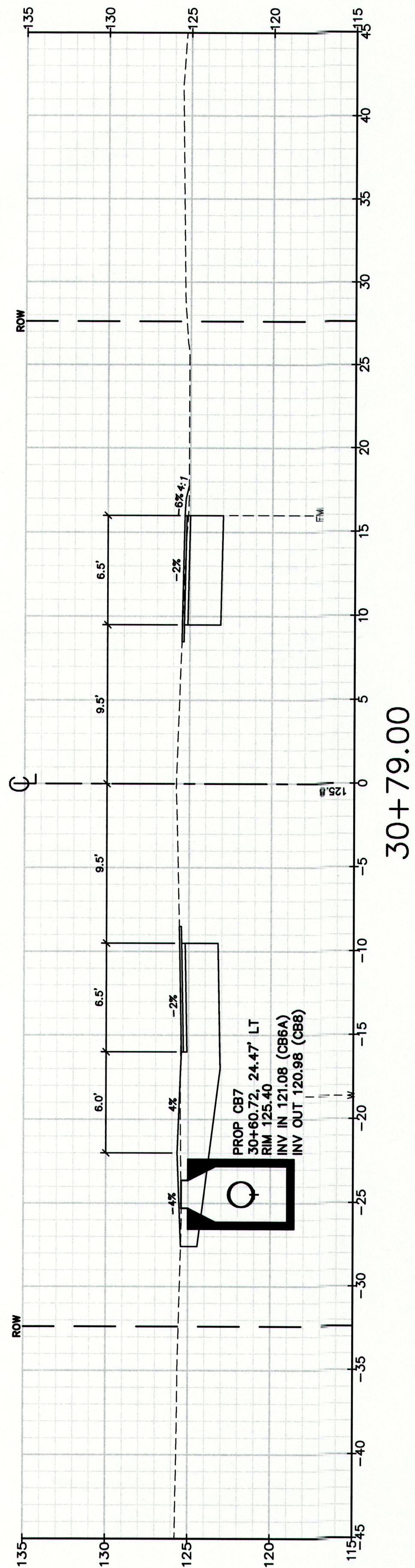
STA 18+50 TO STA 20+32











MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

48

Drawing Name:

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

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15 Shaker Road
Gray, ME 04039

207-657-6910

FAX: 207-657-6912

E-Mail: mailbox@gorrellpalmer.com

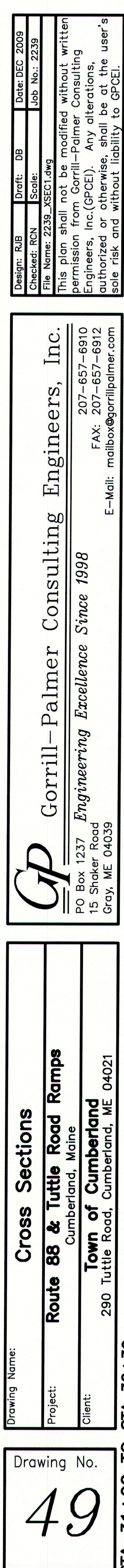
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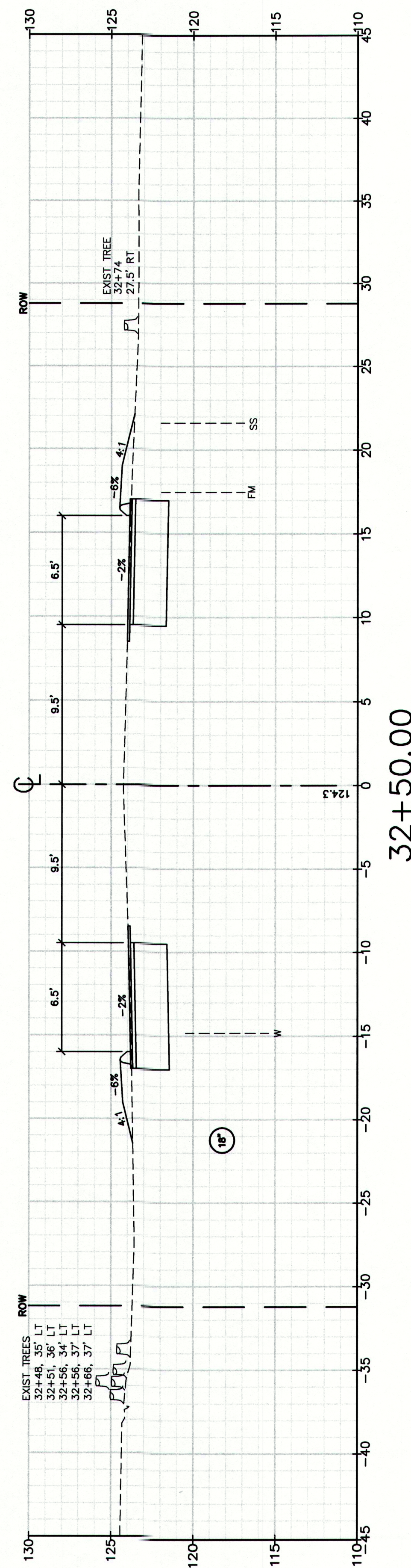
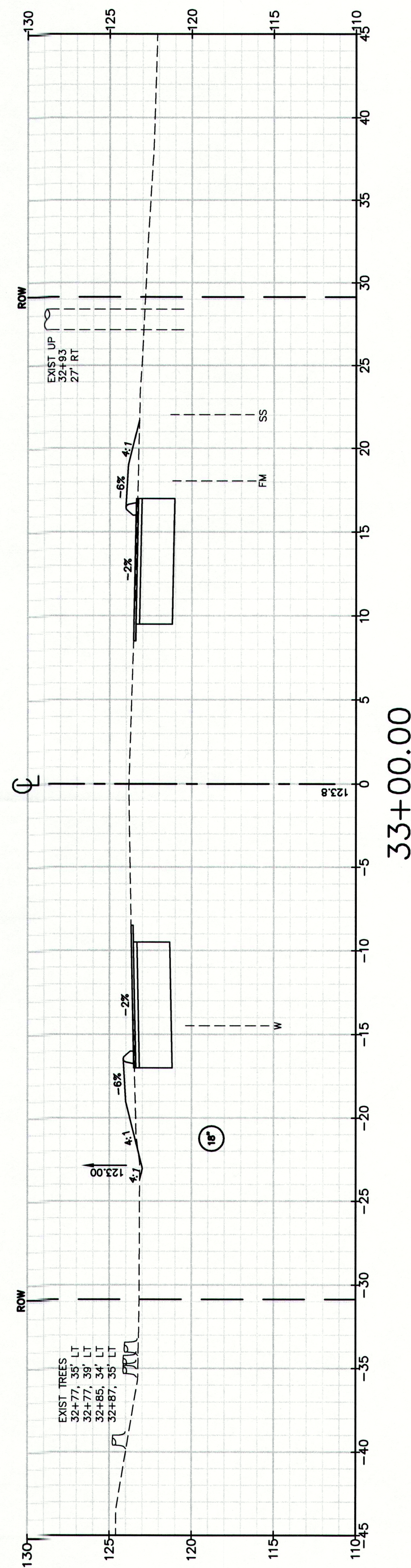
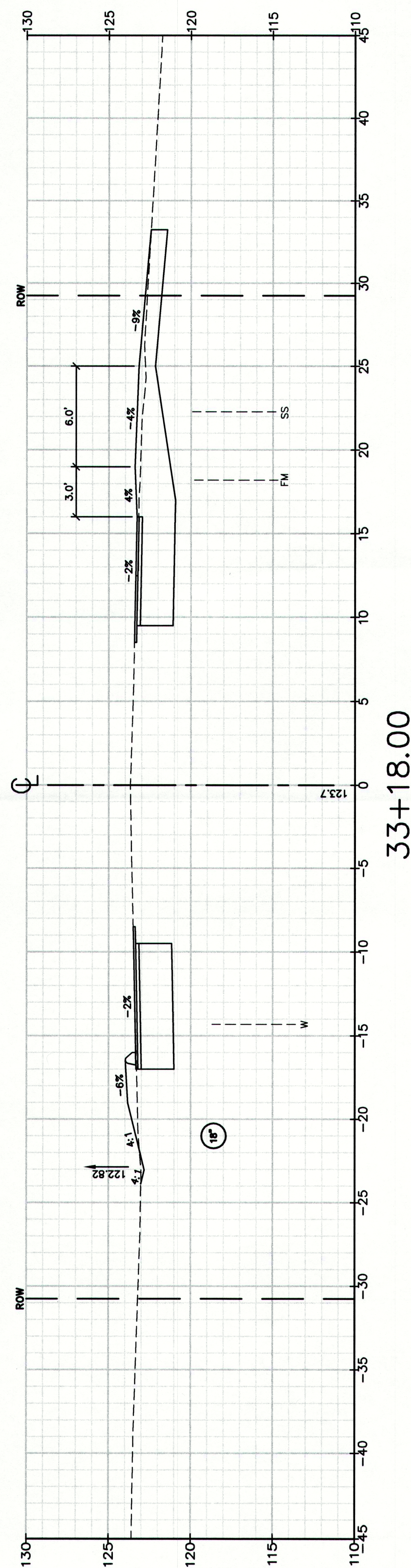
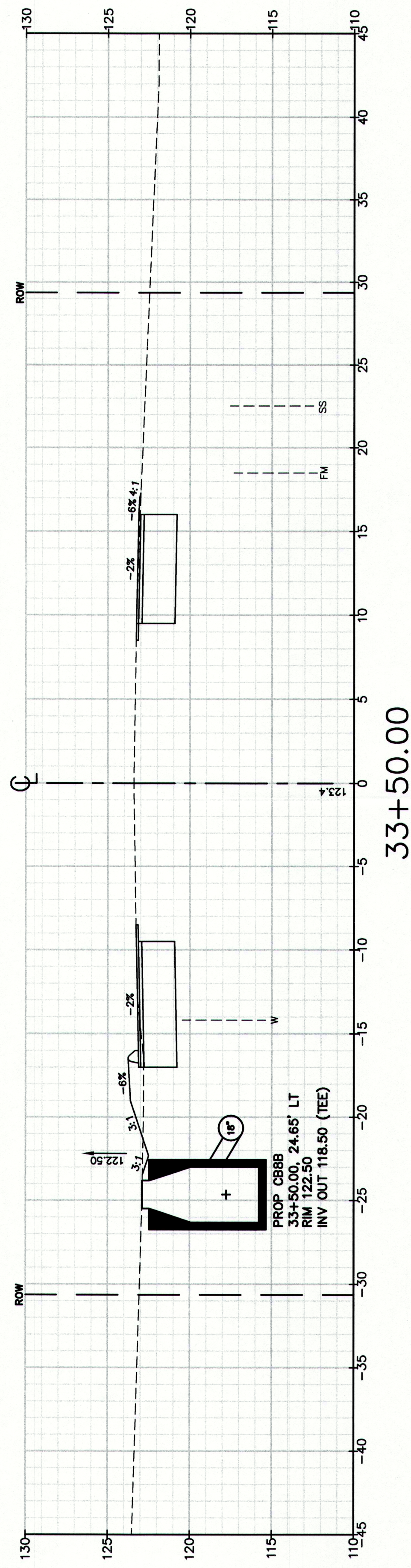
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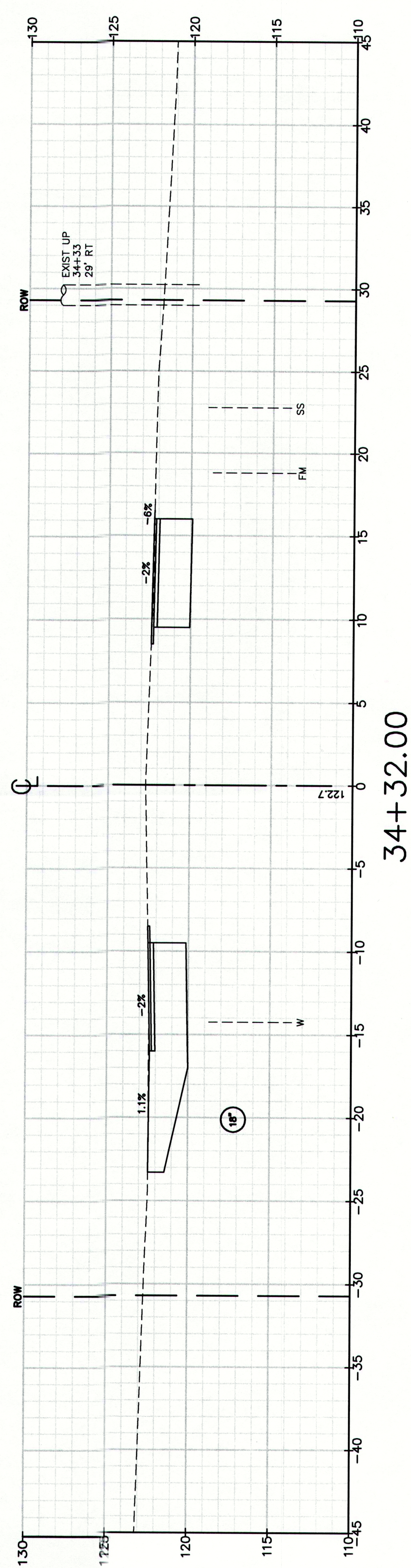
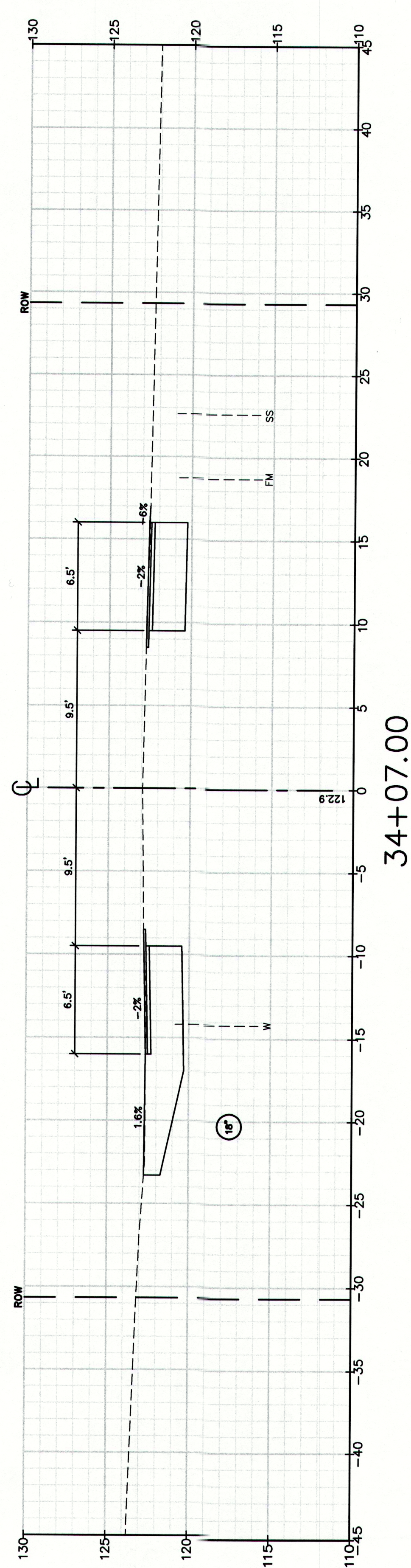
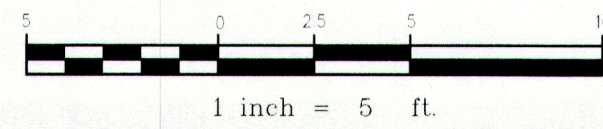
STA 29+14 TO STA 30+79

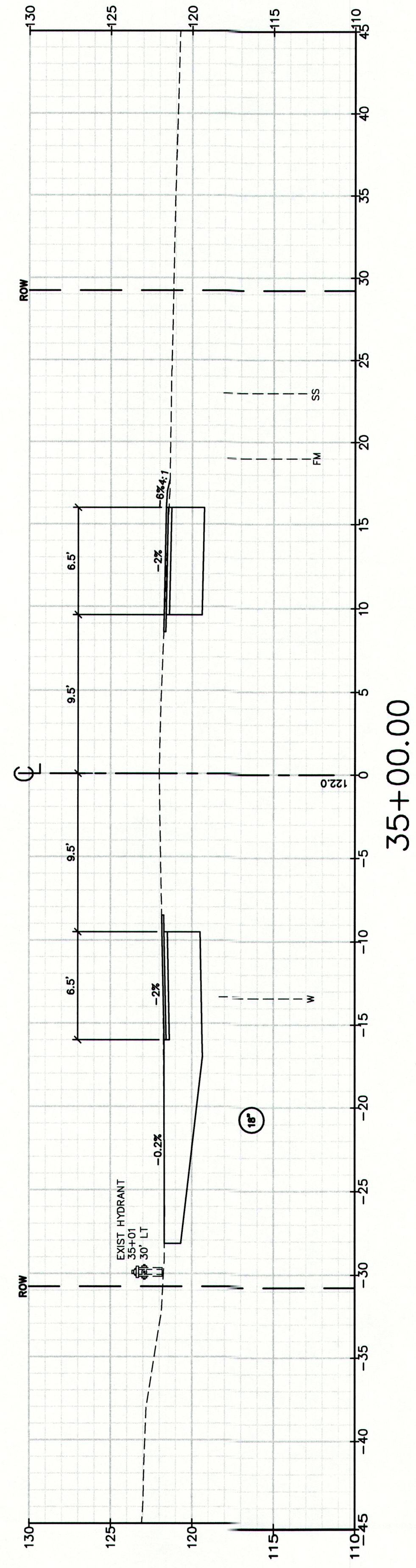
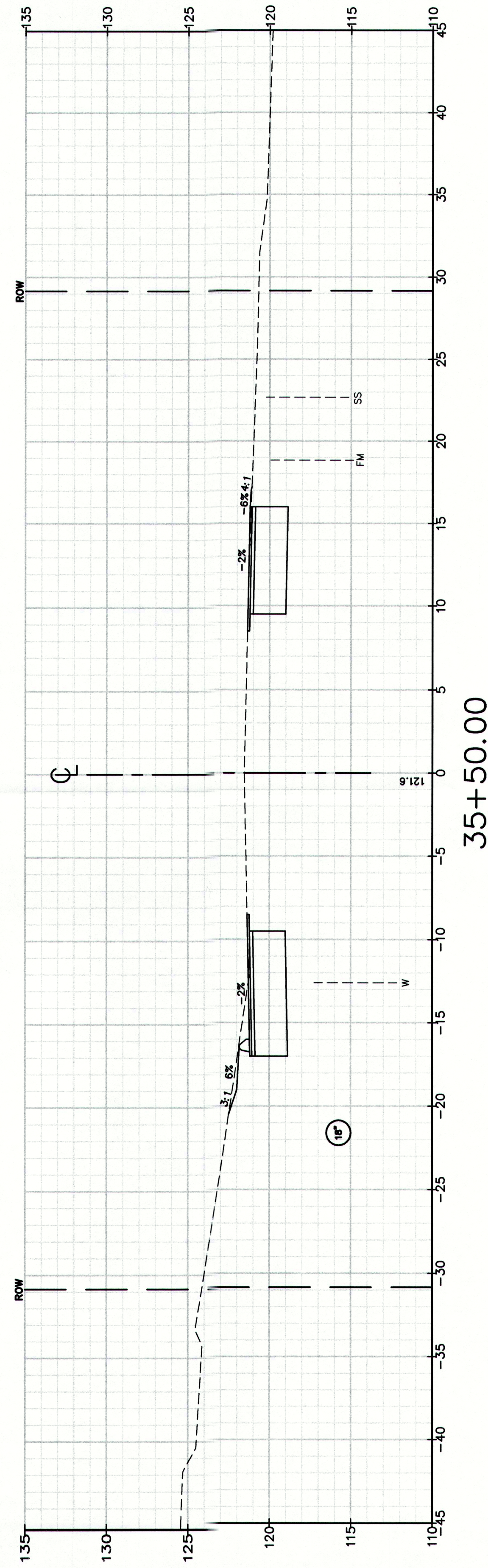
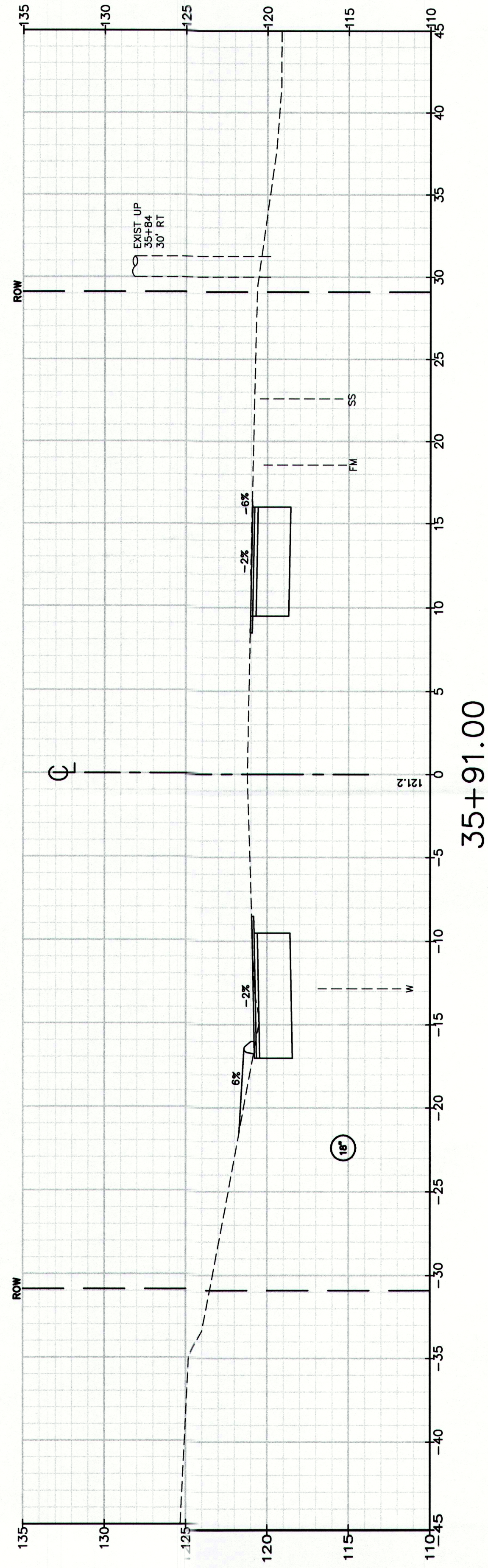
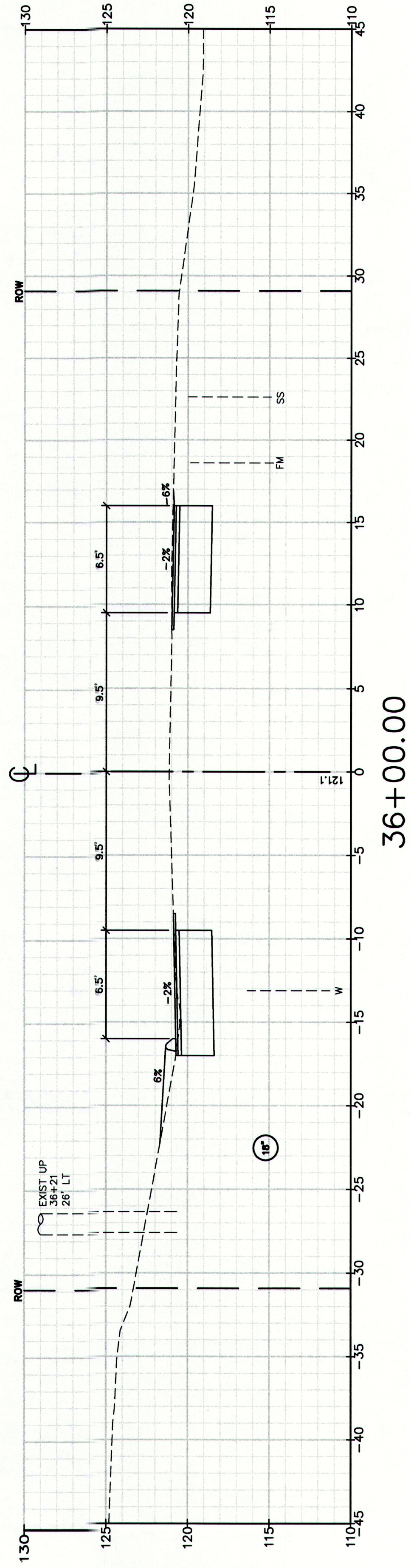
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Sanitary sewer layout plan for station 31+00.00 to 31+50.00. The plan shows a sewer line with a 4:1 slope, a 6% drop, and a 2% drop. It includes existing trees (31+11, 34' LT; 31+15, 35' LT), an existing hydrant (31+07, 29' LT), and a proposed catch basin (CB8) with a rim at 125.00 and invert at 120.55. The plan also shows existing structures (UP, SMH) and a right-of-way line.

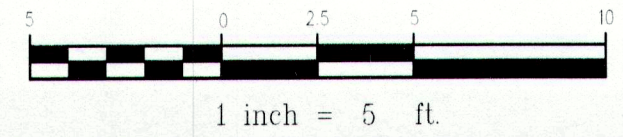




$$34 + 50.00$$

$$34 + 32.00$$
 $34+07.00$ 



MAINEDOT PIN


$$1 \text{ inch} = 5 \text{ ft.}$$

CUMBERLAND, ROUTE 88

Drawing No.

52

Cross Sections

Route 88 & Tuttle Road Ramps

Town of Cumberland
Cumberland, Maine

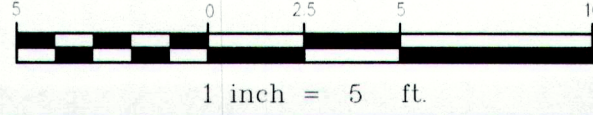
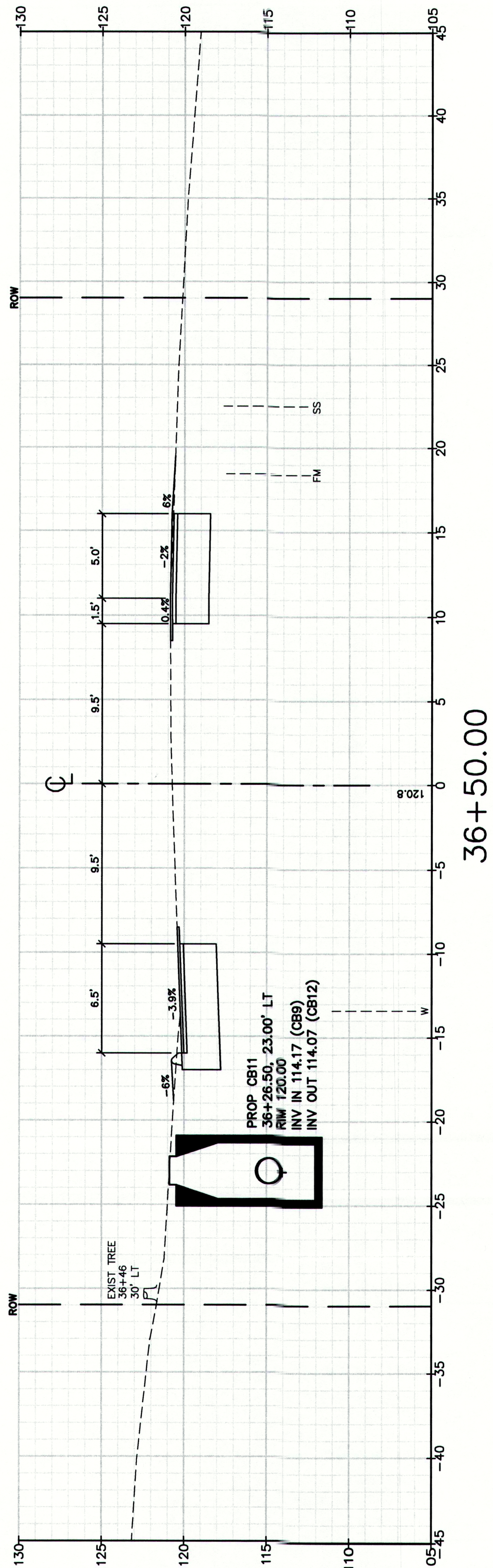
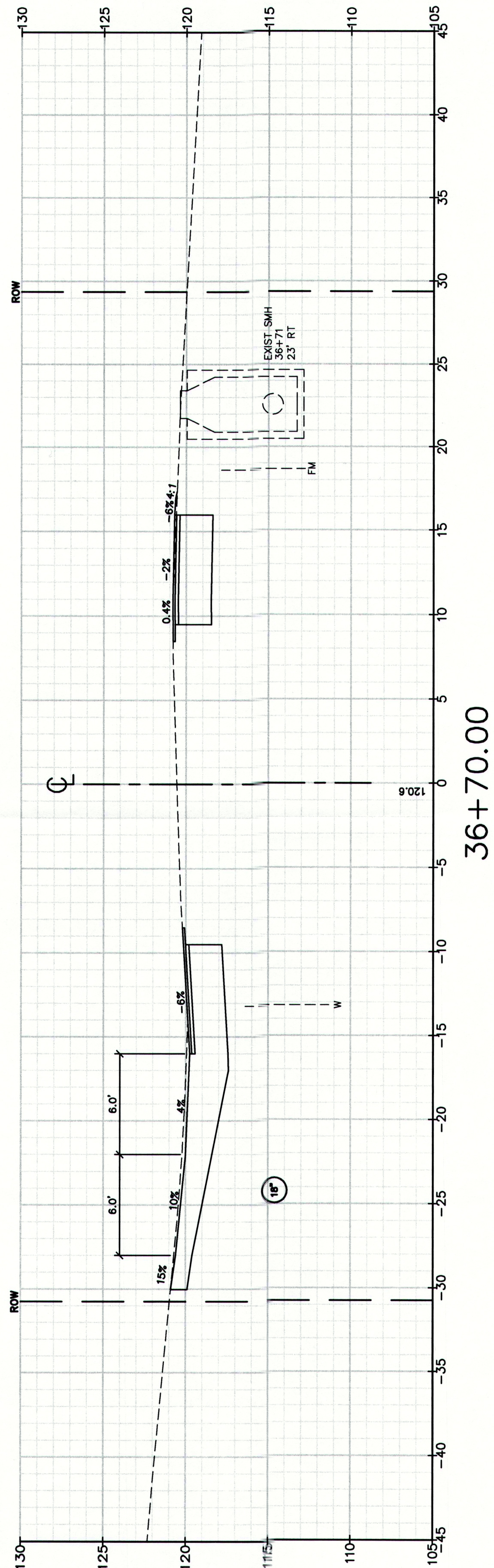
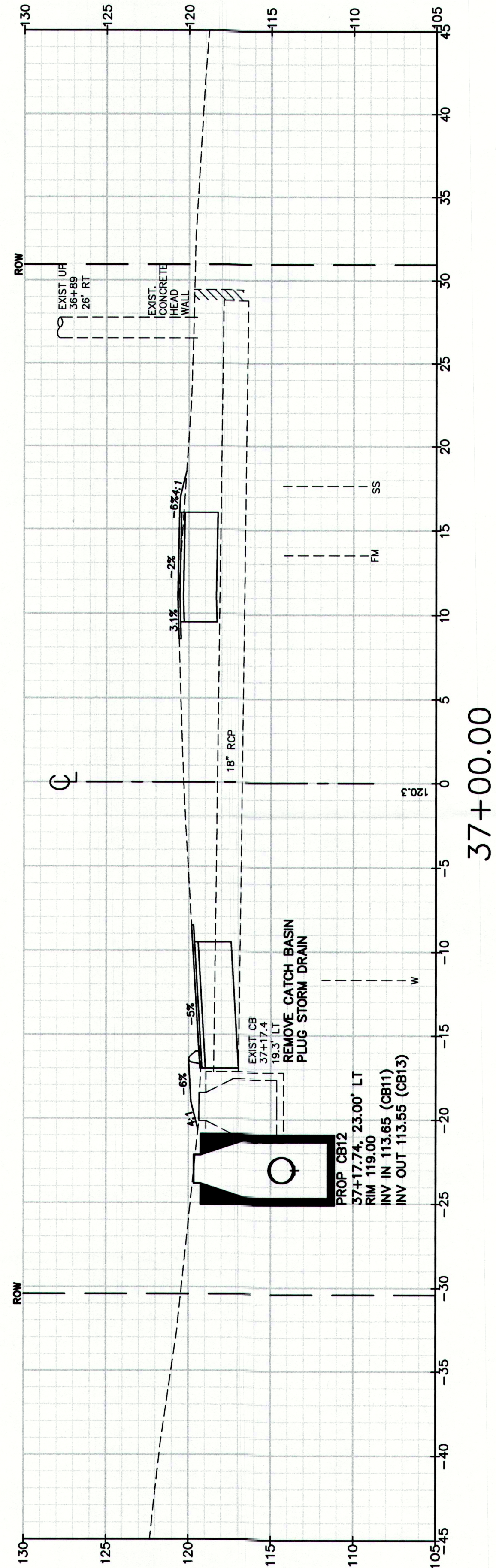
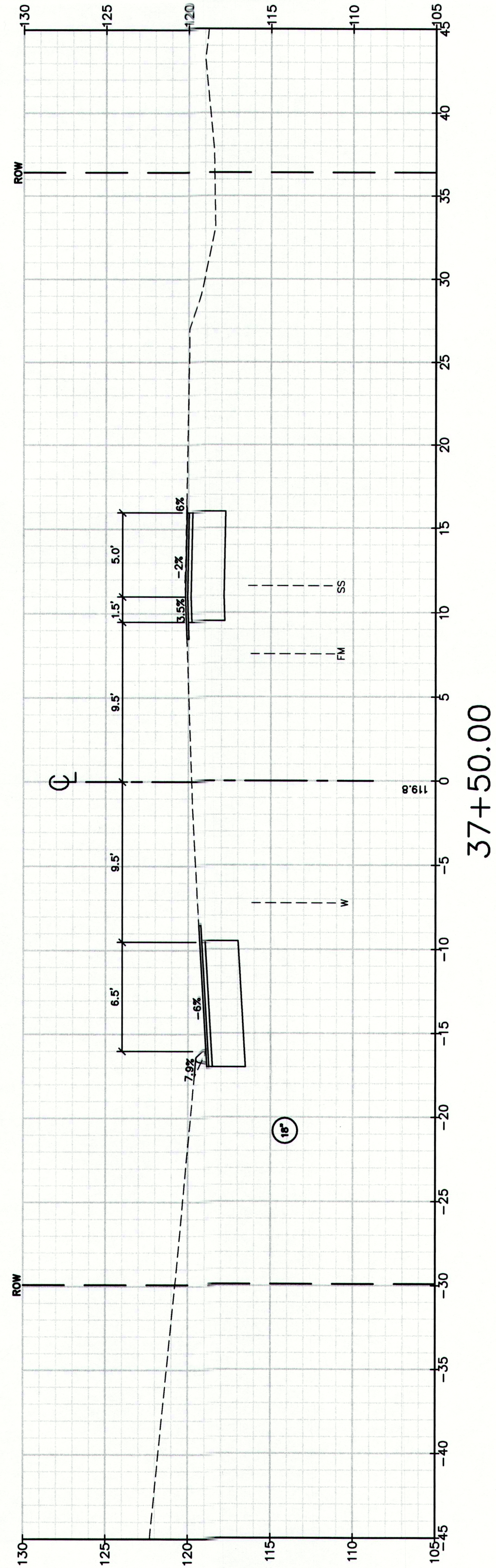
STA 35+00 TO STA 36+00

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Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale:	Job No.: 2239
File Name: 2239_XSEC1.dwg		

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MAINEDOT PIN

CUMBERLAND, ROUTE 88

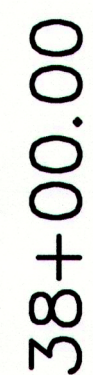
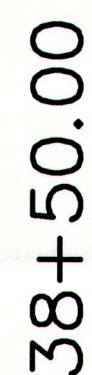
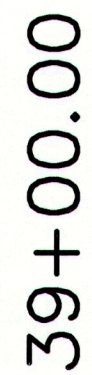
Drawing No.
53

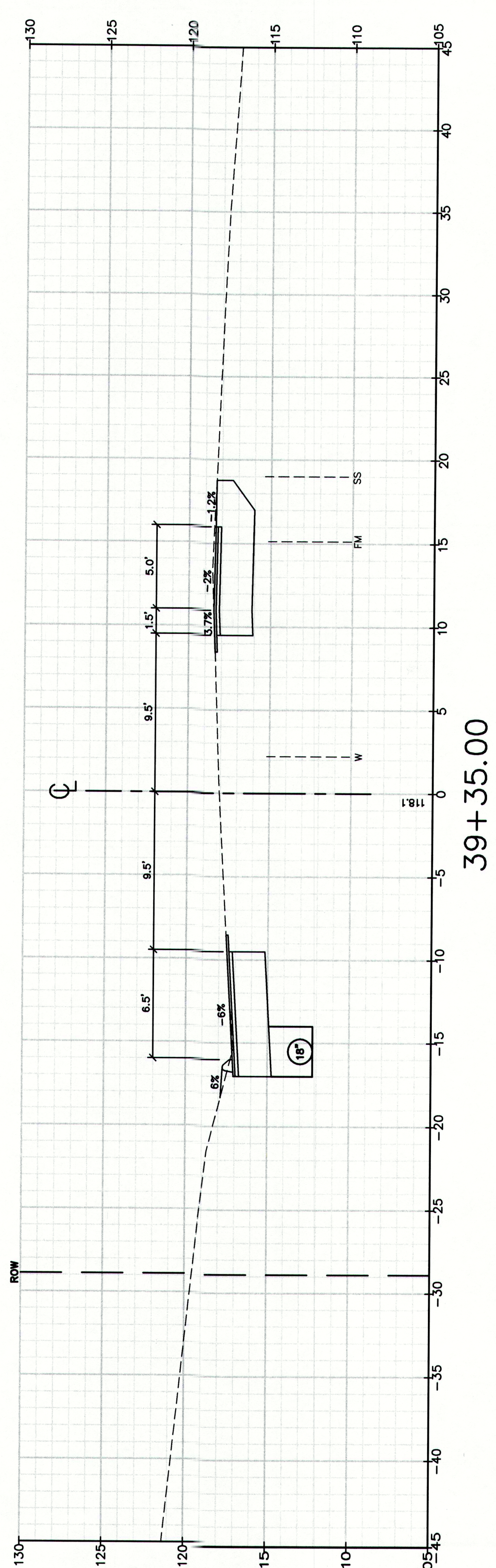
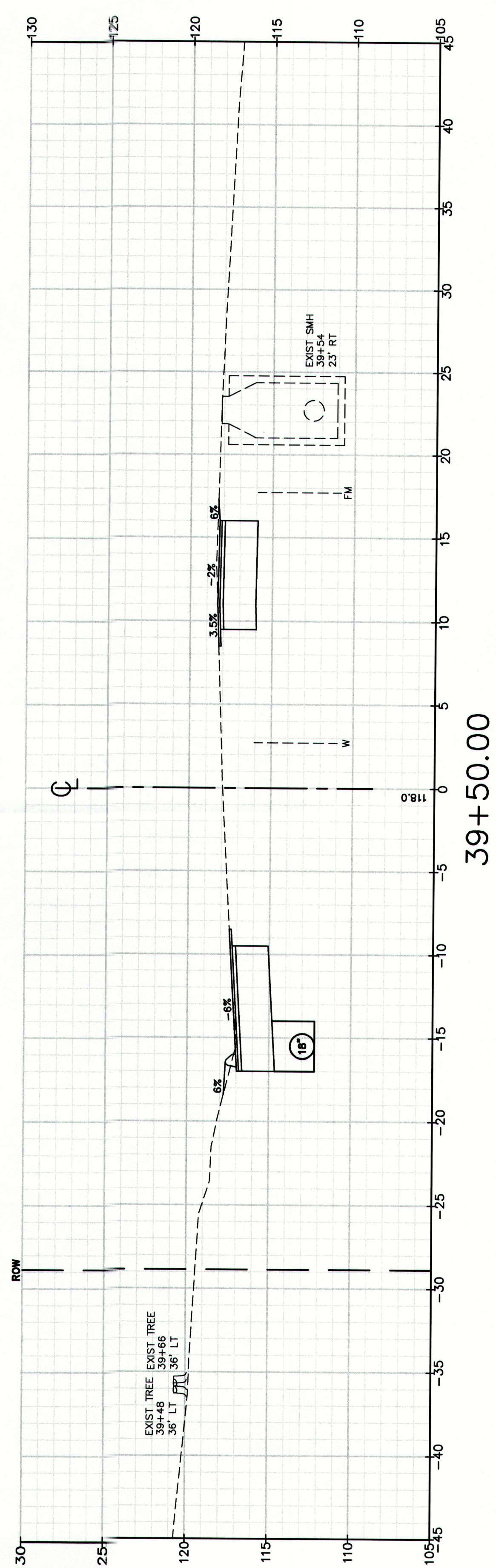
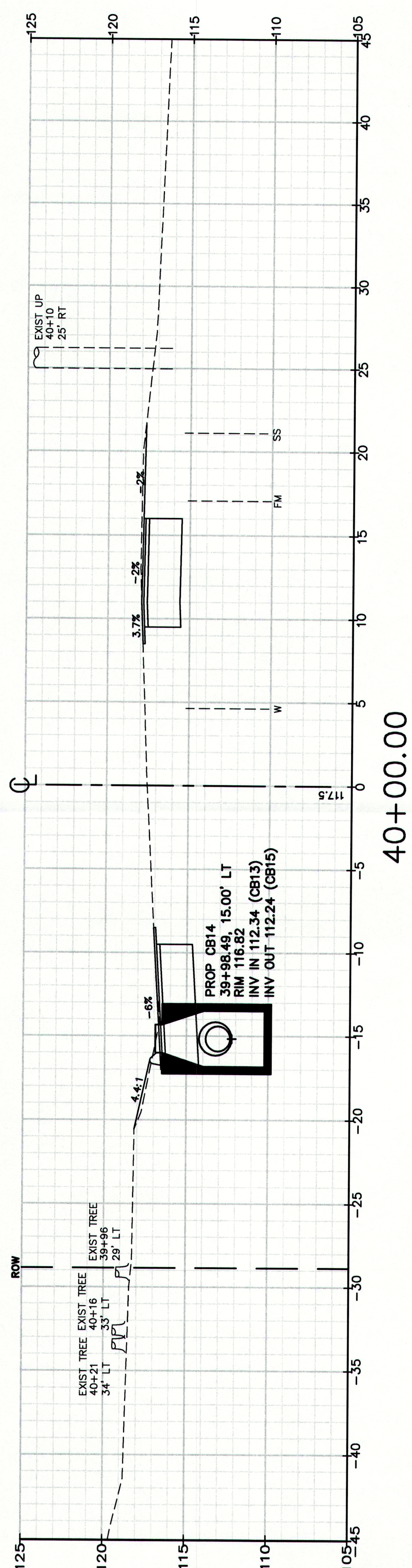
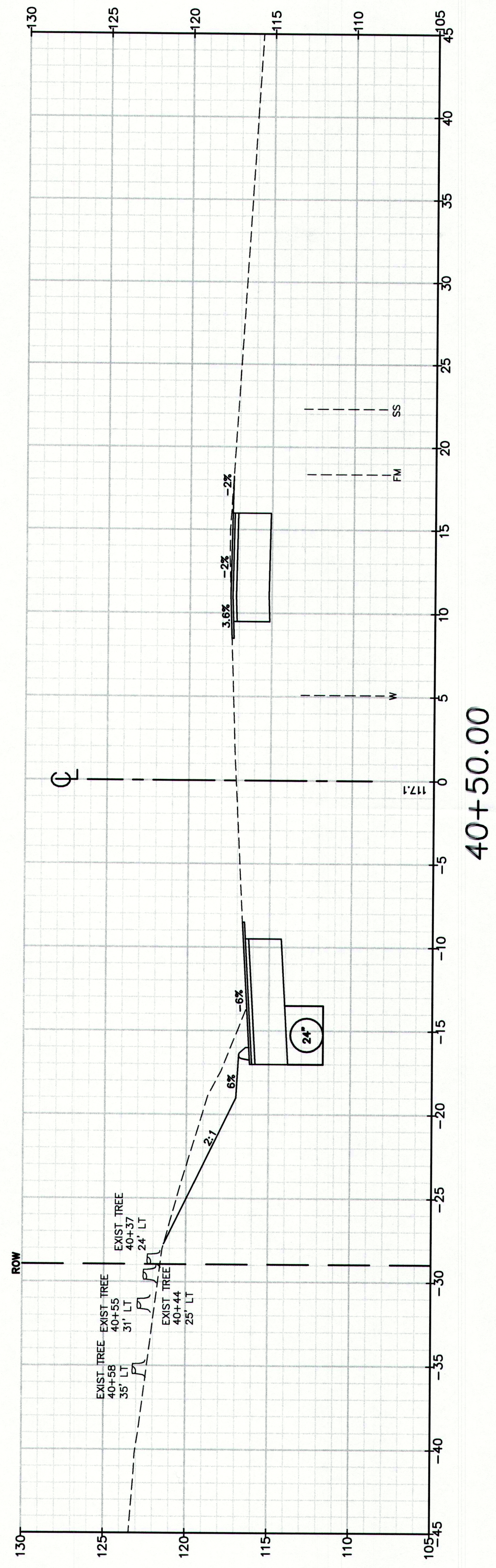
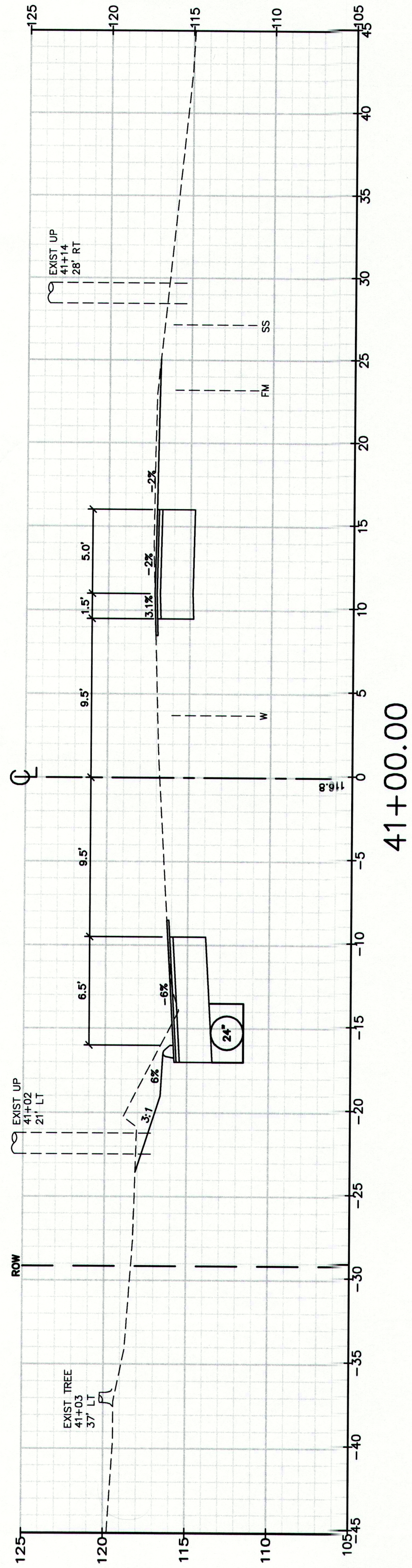
Drawing Name: **Cross Sections**
Project: **Route 88 & Tuttle Road Ramps**
Client: **Town of Cumberland**
Cumberland, Maine
290 Tuttle Road, Cumberland, ME 04021

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15 Shaker Road
Gray, ME 04039
207-657-6910
207-657-6912
E-Mail: mailbox@gorrillpalmer.com

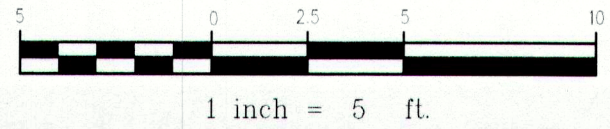
Design: RUB
Checked: RCN
Draft: DB
Scale:
Date: DEC 2009
Job No.: 2239
File Name: 2239_XSEC1.dwg
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STA 36+50 TO STA 37+50





MAINEDOT PIN



CUMBERLAND, ROUTE 88

Drawing No.

55

Cross Sections

Route 88 & Tuttle Road Ramps
Cumberland Maine

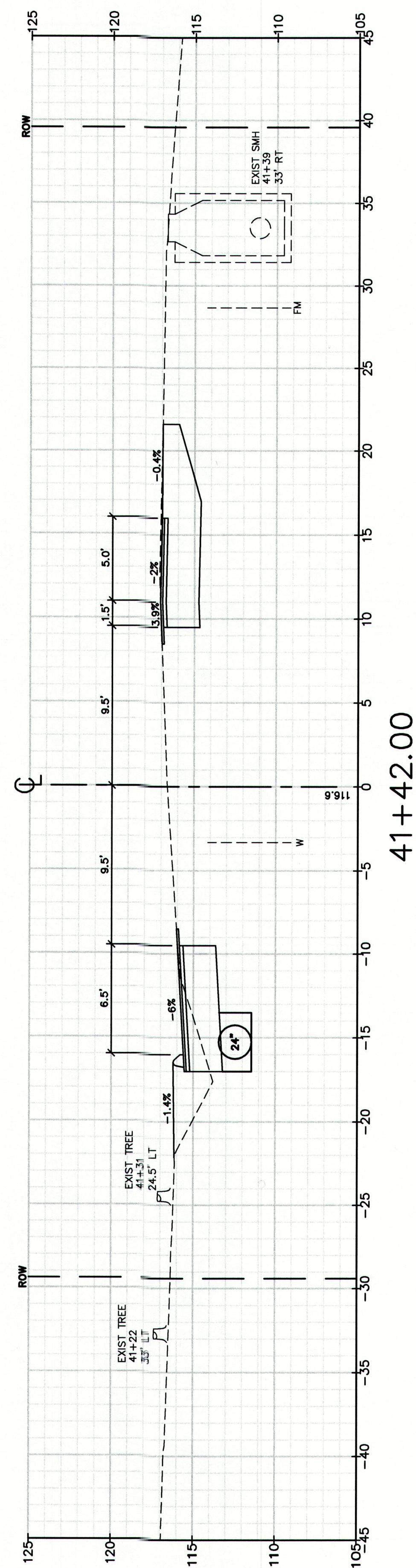
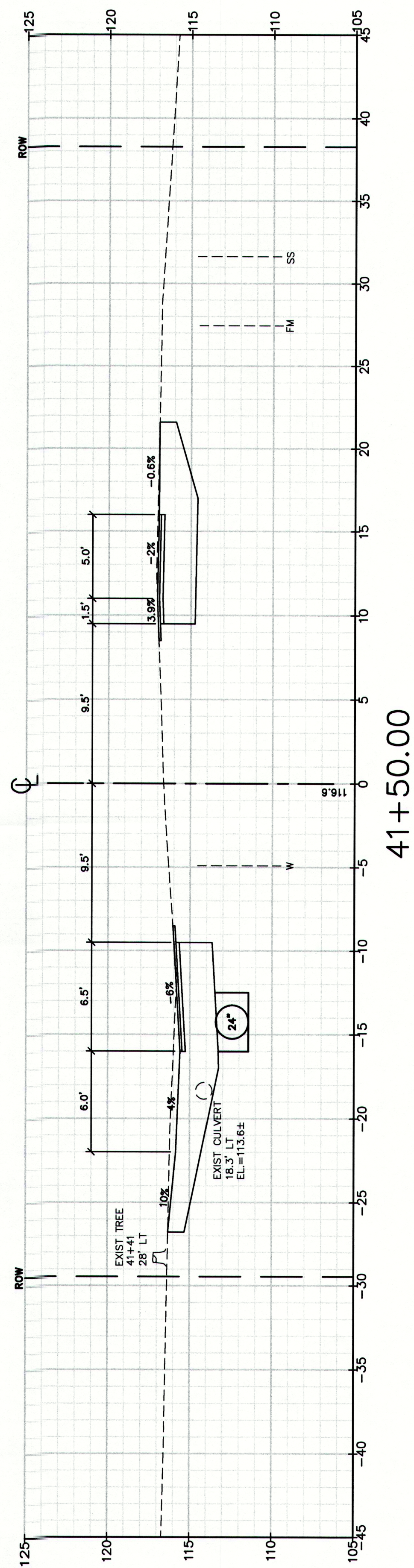
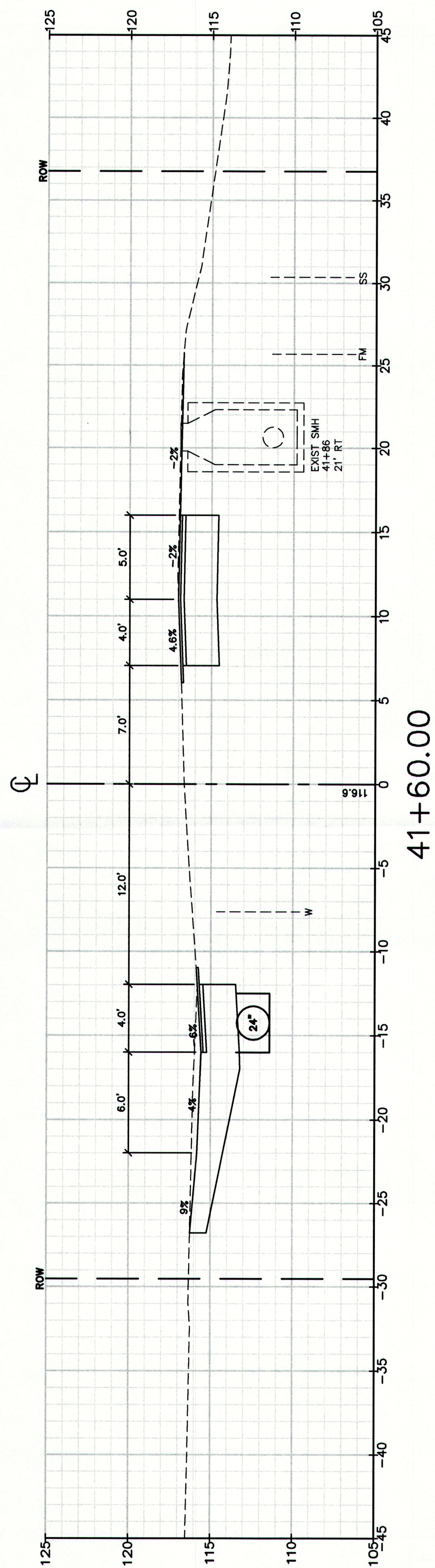
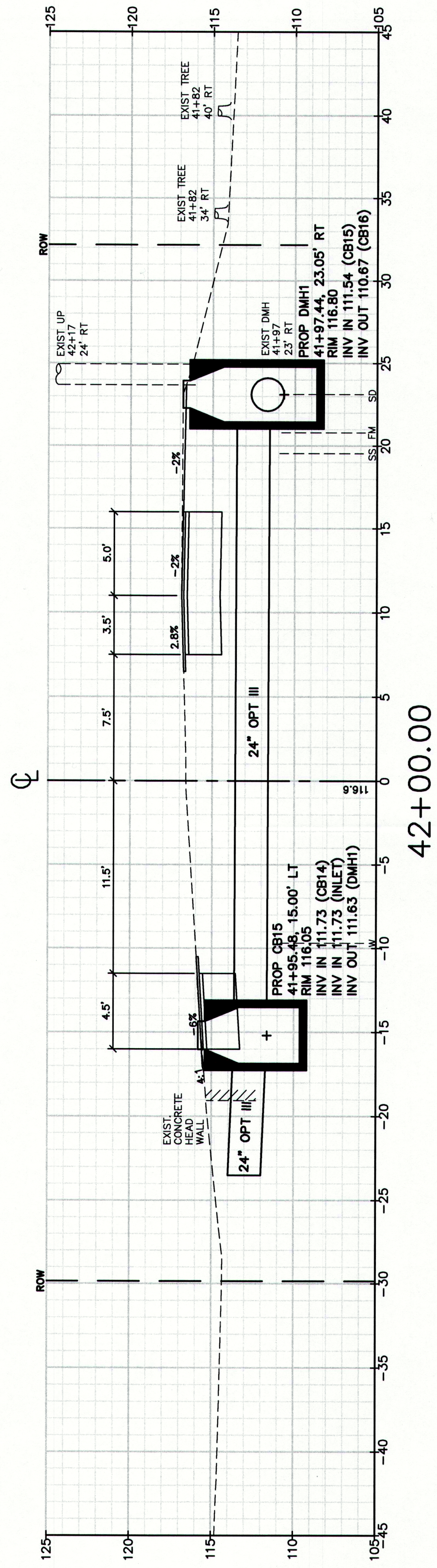
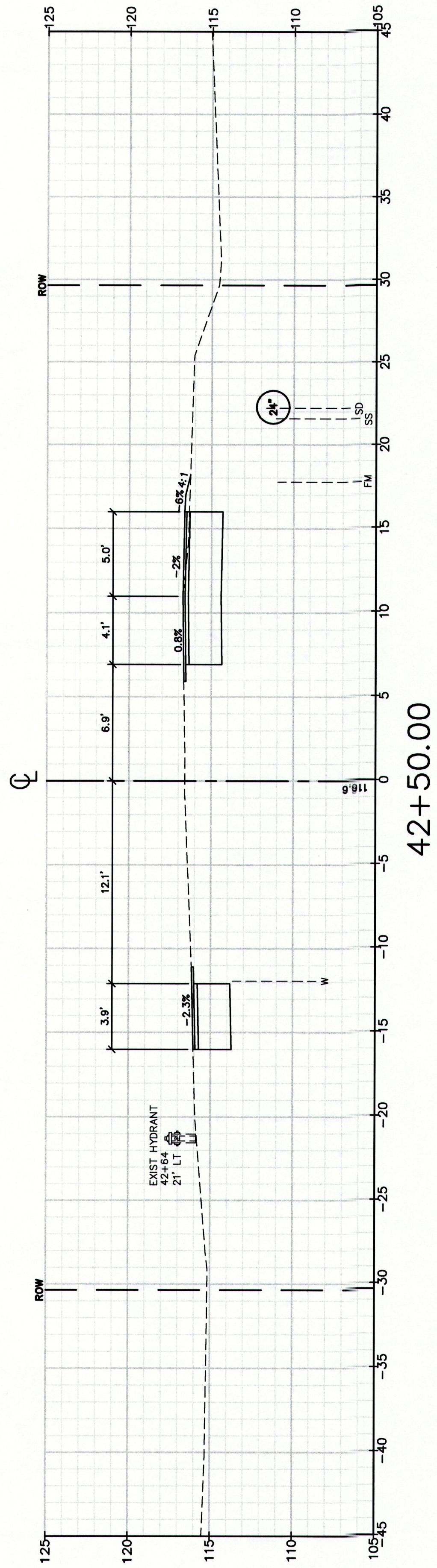
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

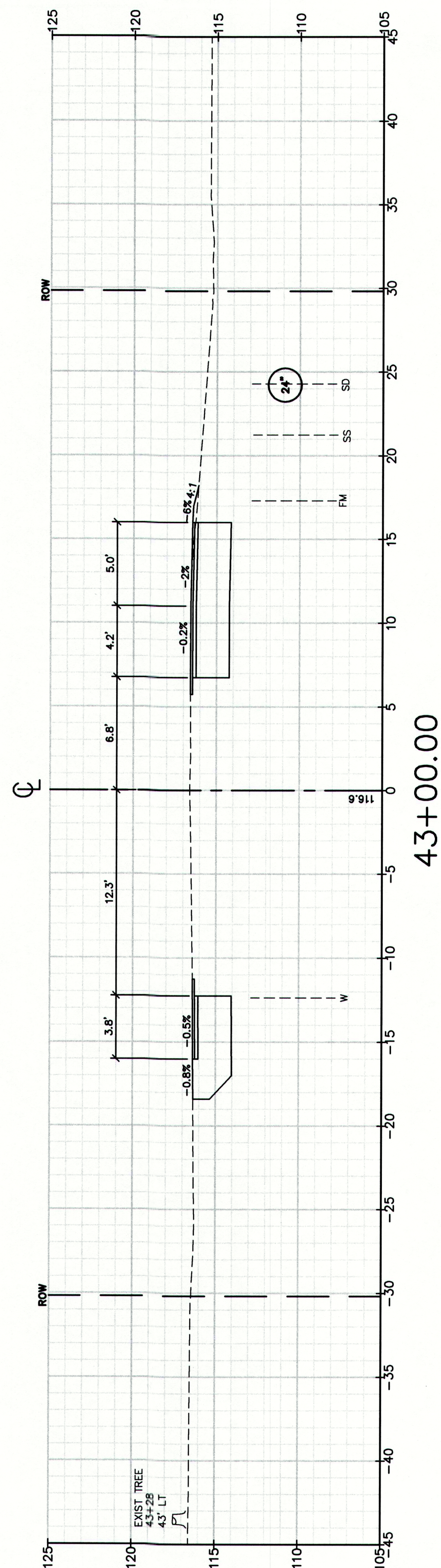
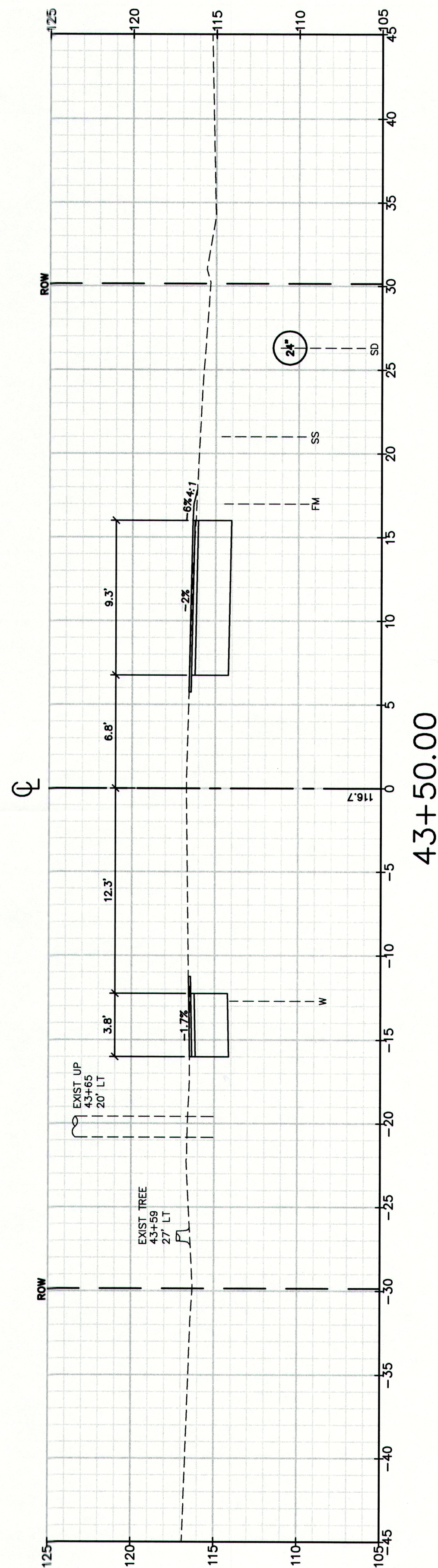
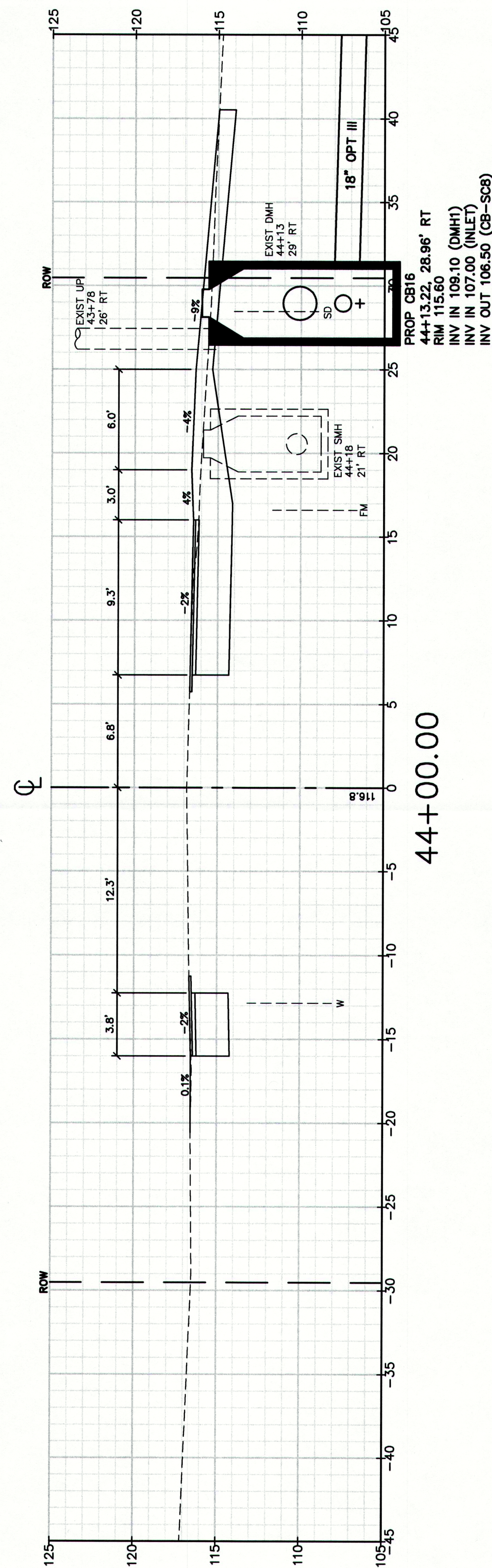
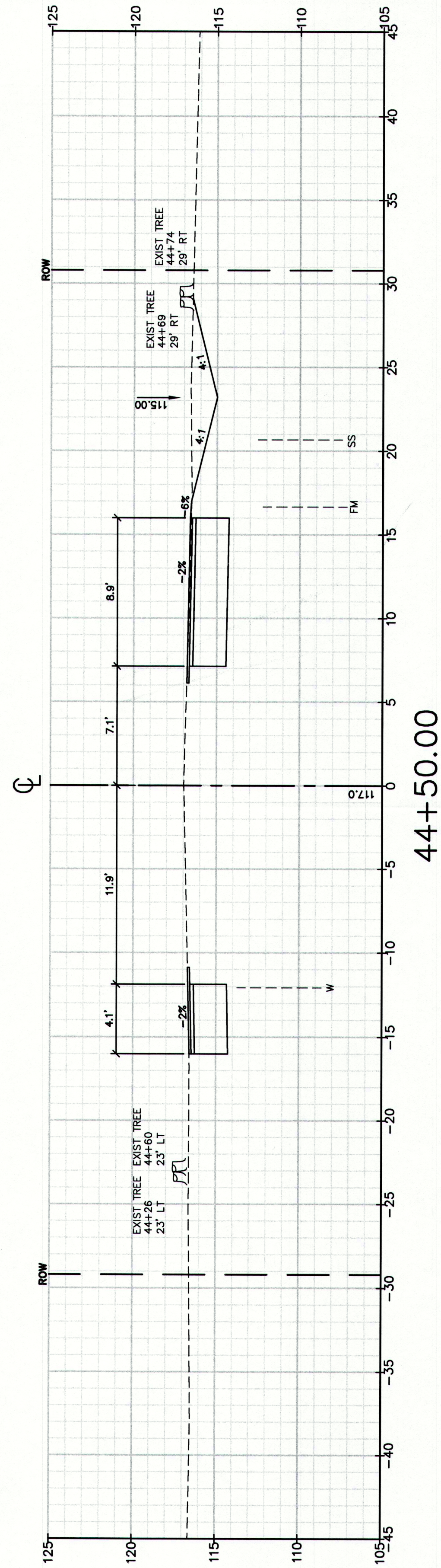
STA 39+35 TO STA 41+00

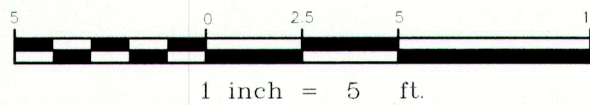
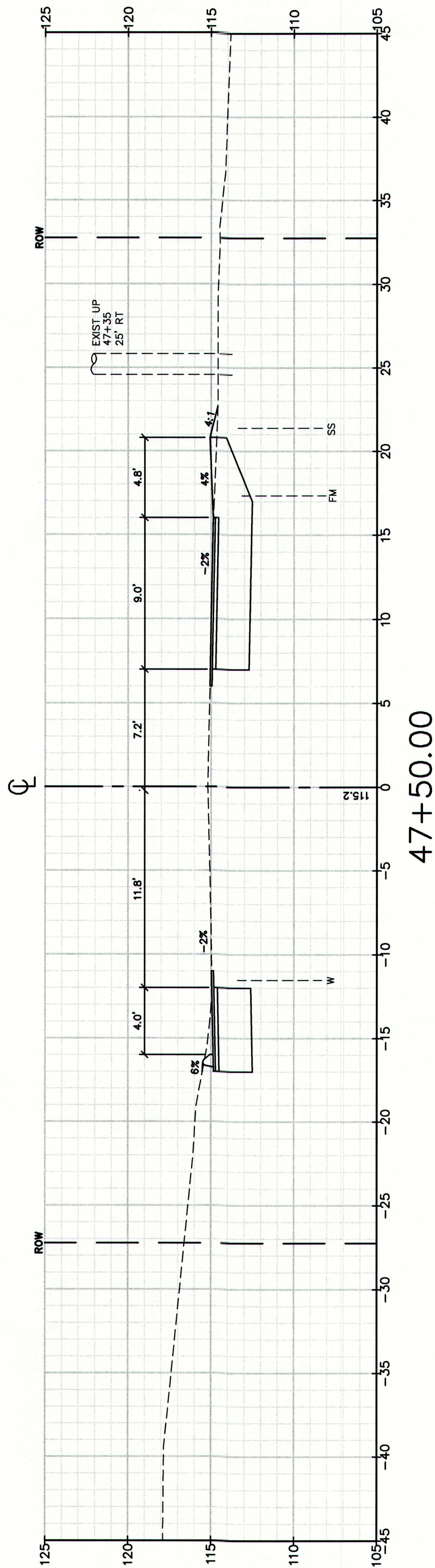
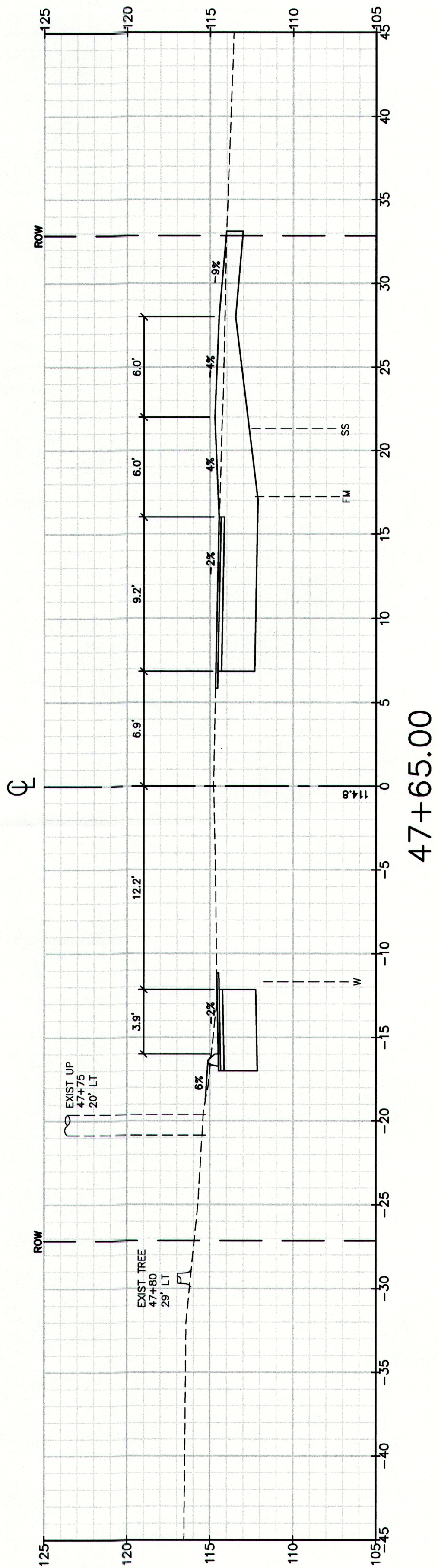
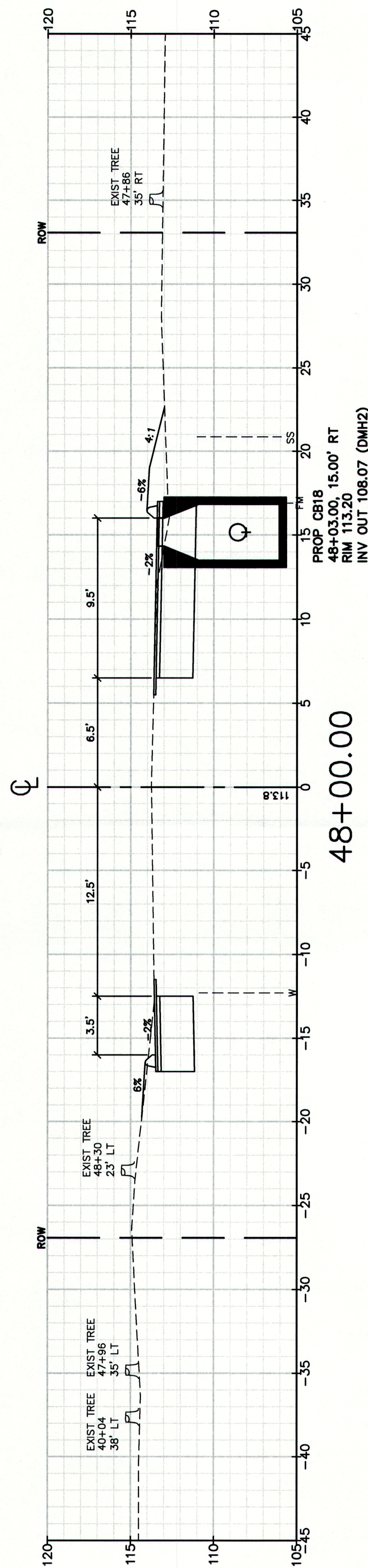
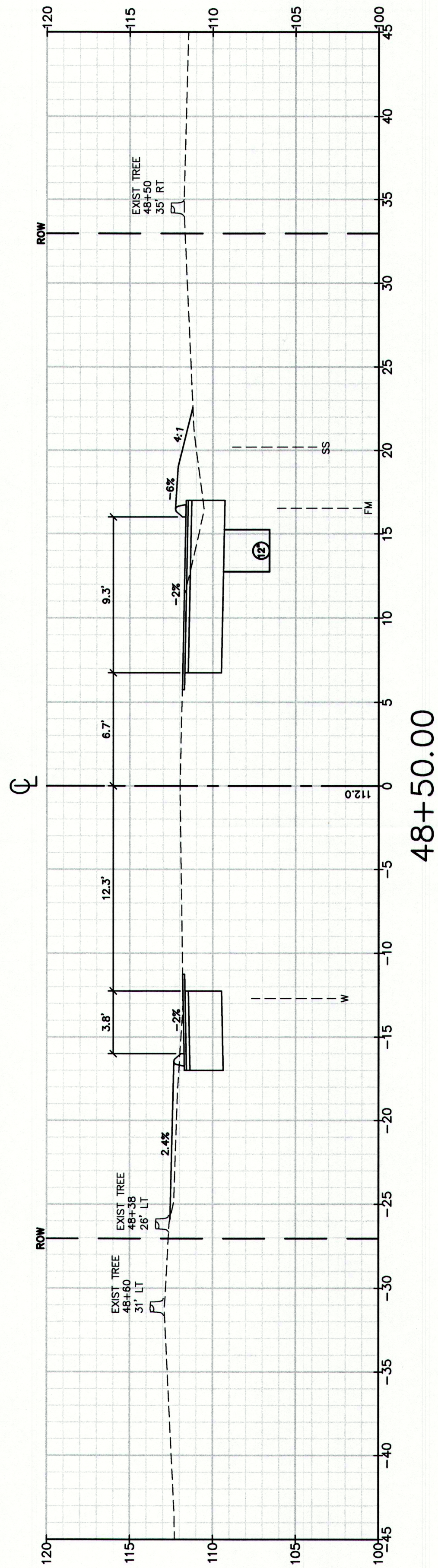
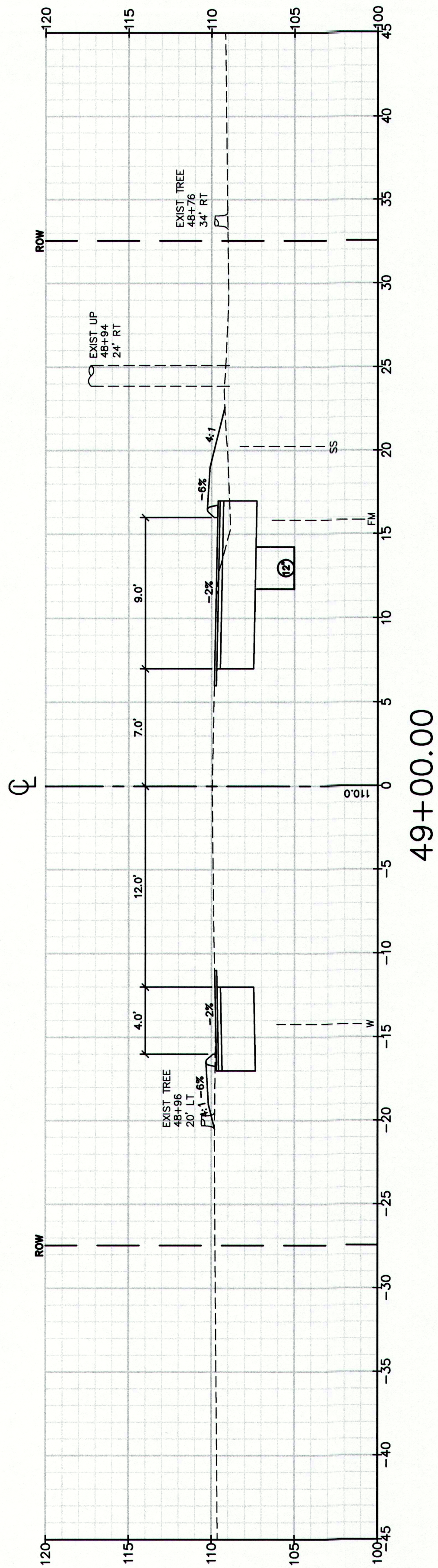
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FAX: 207-657-6912
E-Mail: mailbox@corilla.com

Design: RUB	Draft: DB	Date: DEC 2009
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MAINEDOT PIN

CUMBERLAND, ROUTE 88

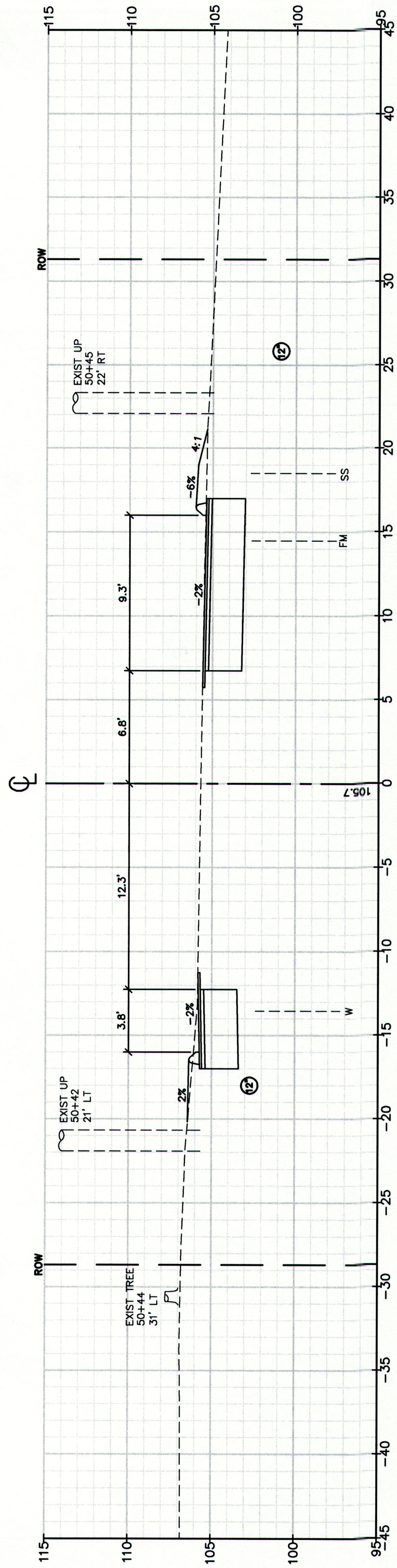
Drawing No.
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Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

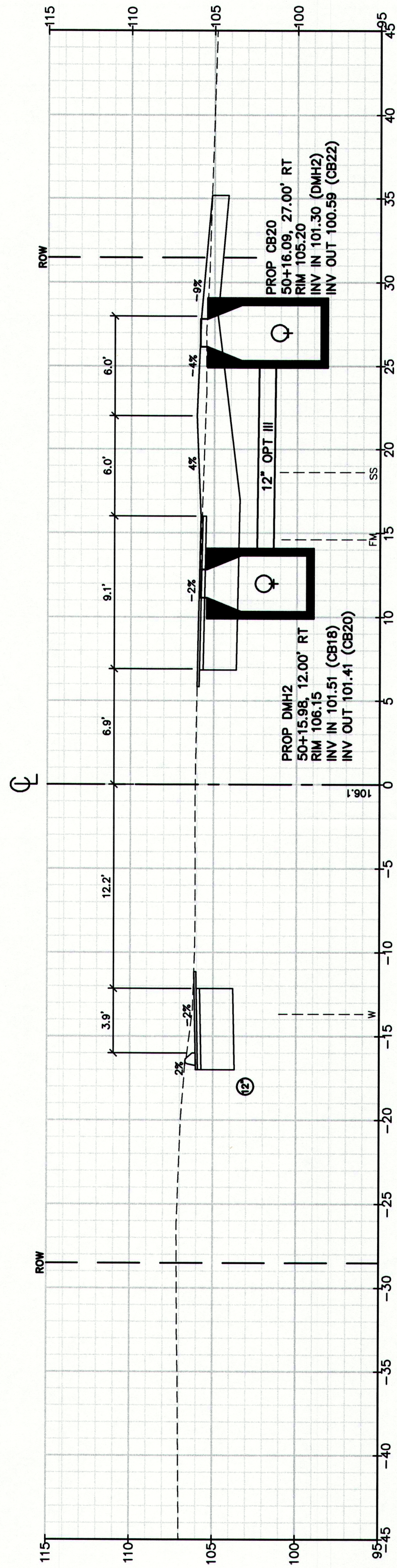
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Scale:
Job No.: 2239
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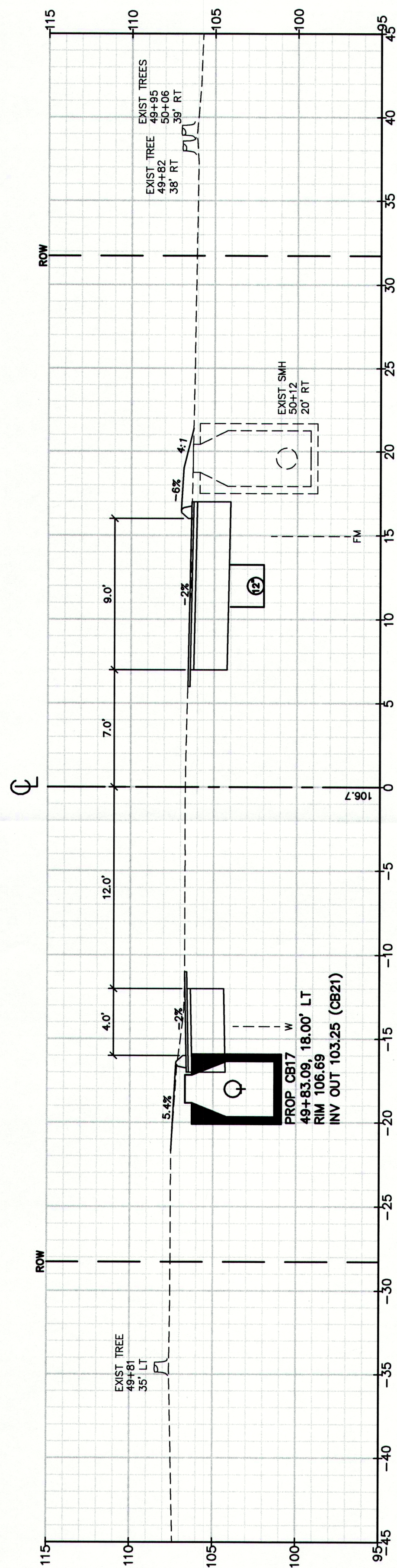
STA 47+50 TO STA 49+00



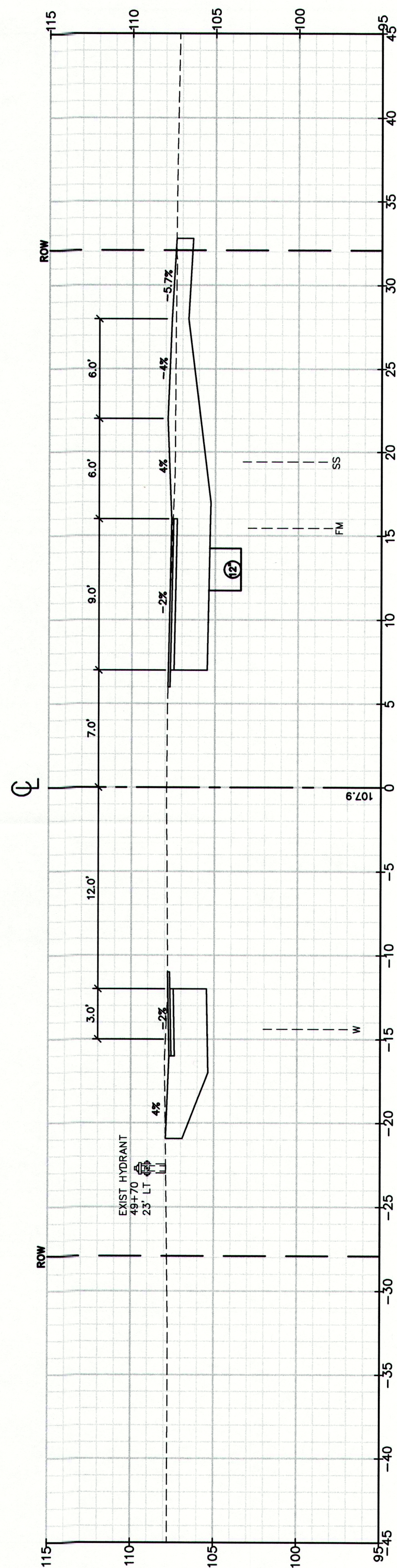
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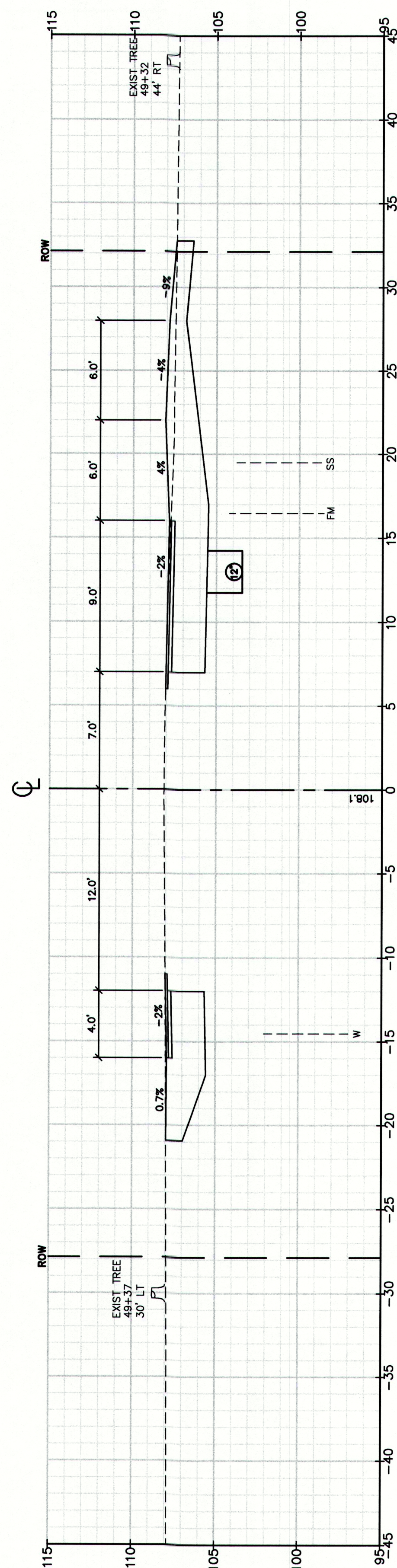
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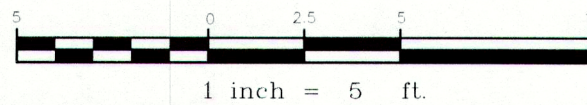
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49+57.00



49+50.00

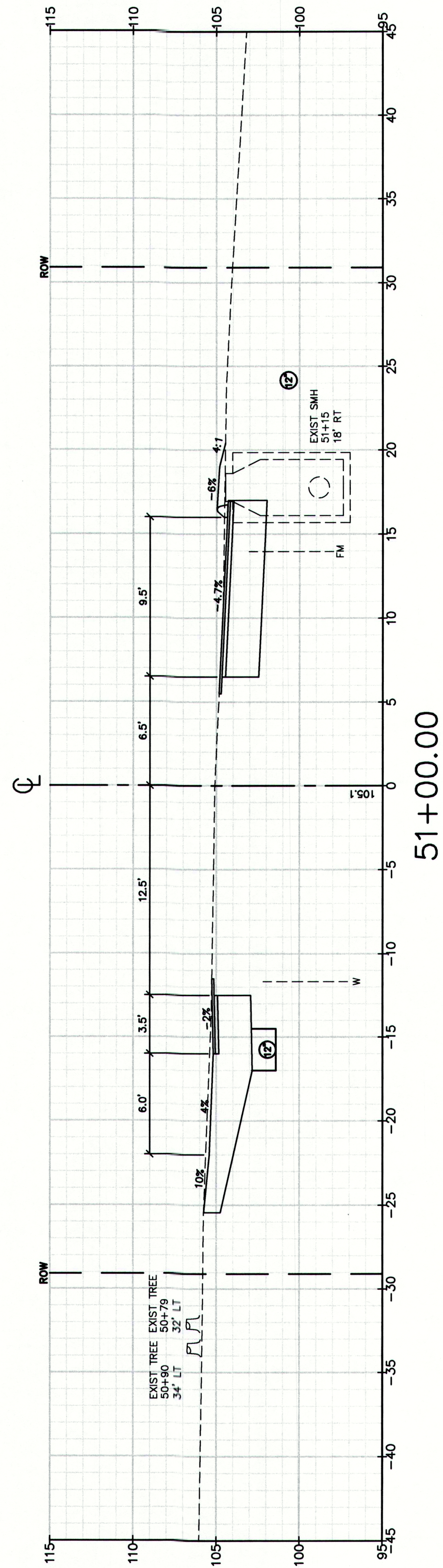
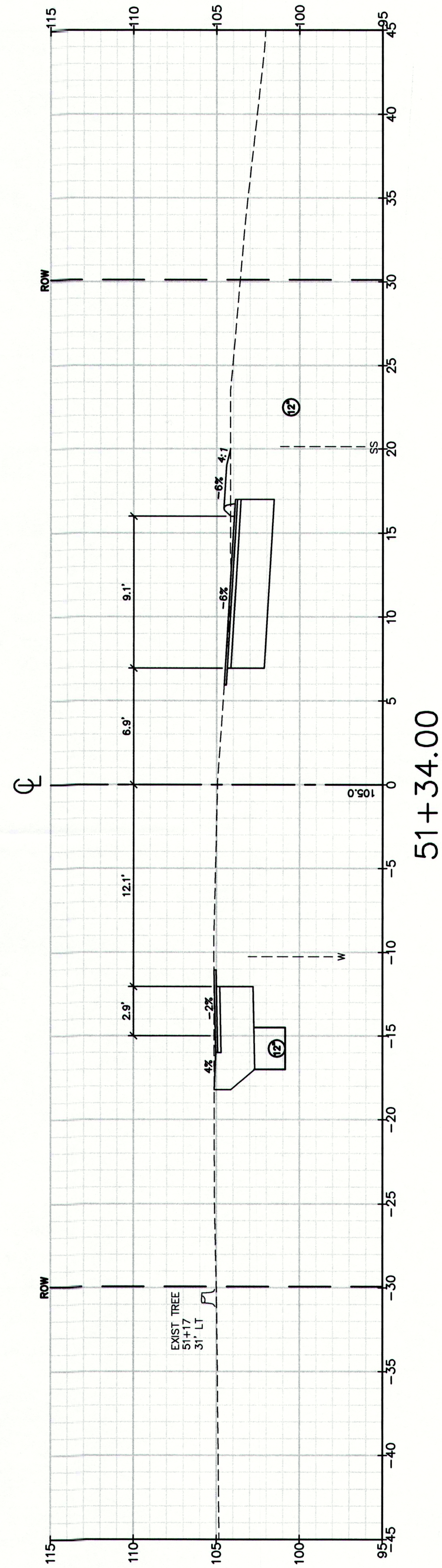
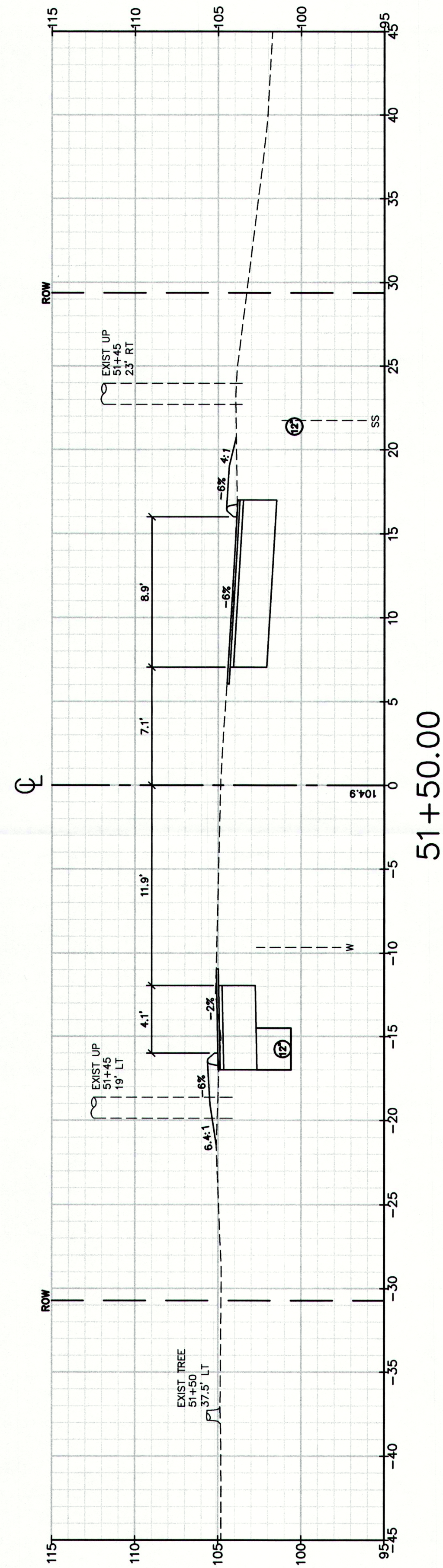
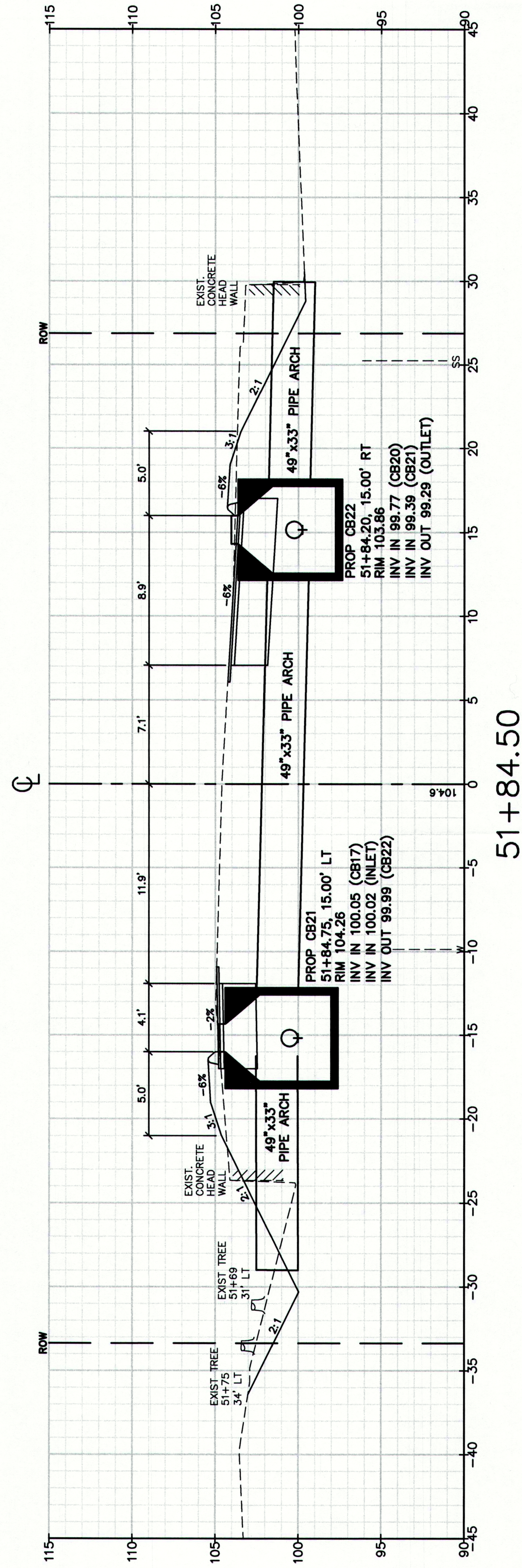


Drawing No.
60

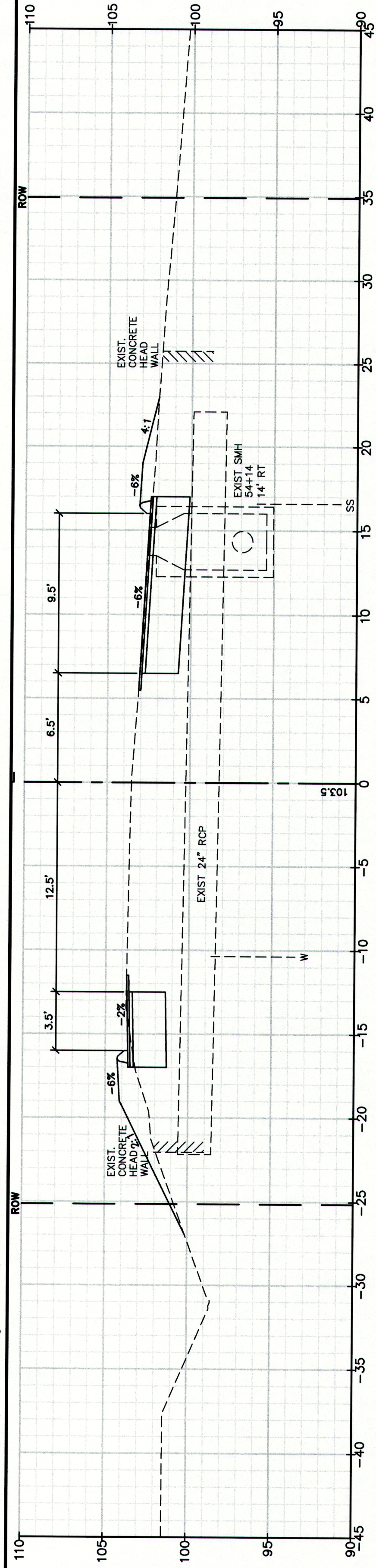
Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

GP Gorrill-Palmer Consulting Engineers, Inc.
PO Box 1237
15 Shaker Road
Gray, ME 04039
207-657-6910
207-657-6912
E-Mail: mailbox@gorrillpalmer.com
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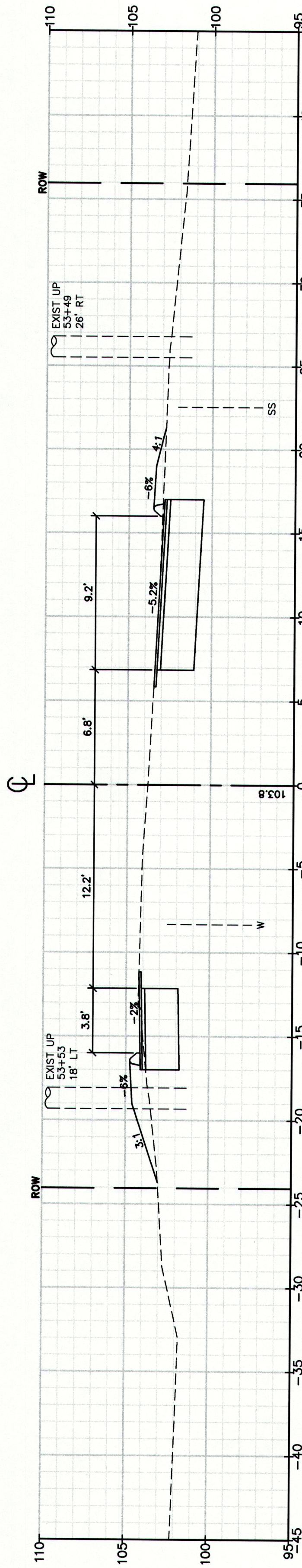
Design: RJG
Checked: RCN
File Name: 2239_XSEC1.dwg
Date: DEC 2009
Job No.: 2239
Scale:
This plan shall not be modified without written permission from Gorrill-Palmer Consulting Engineers, Inc.(GPCE). Any alterations, authorized or otherwise, shall be the user's sole risk and without liability to GPCE.



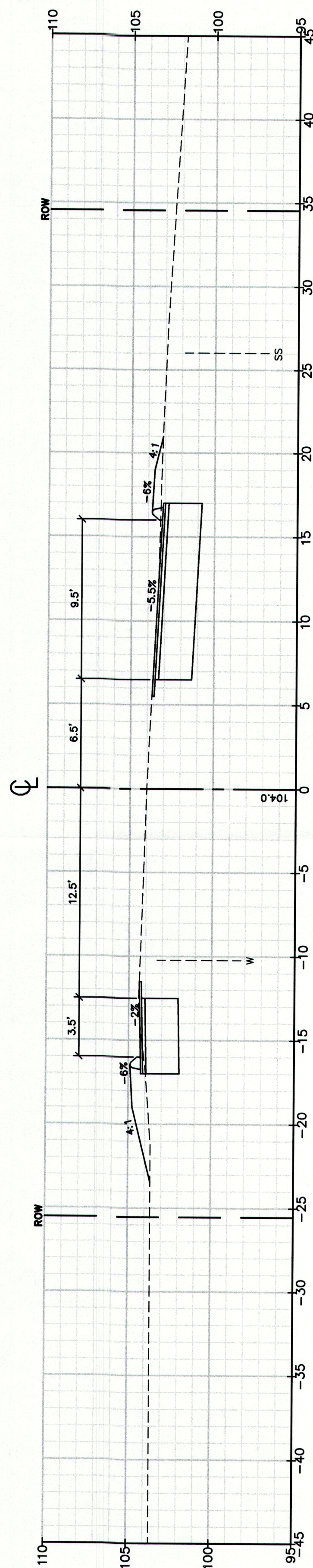
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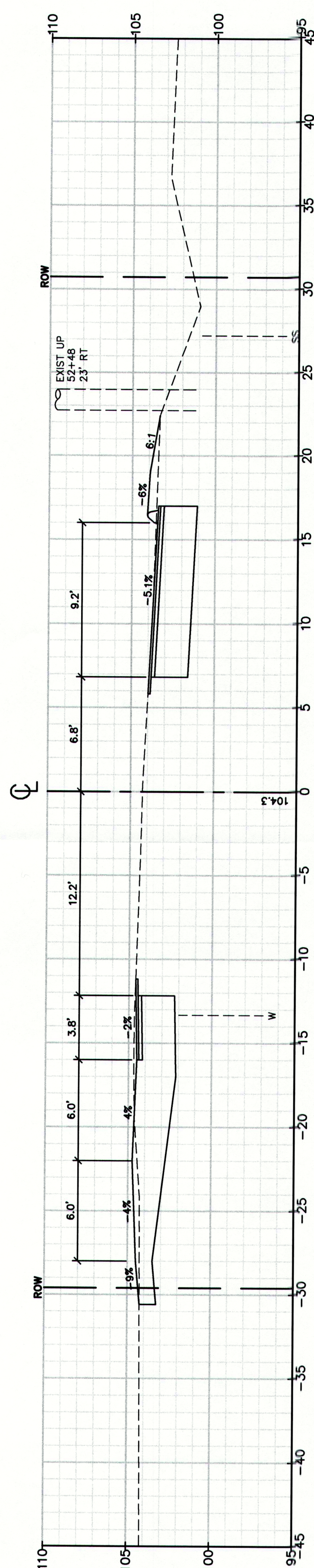
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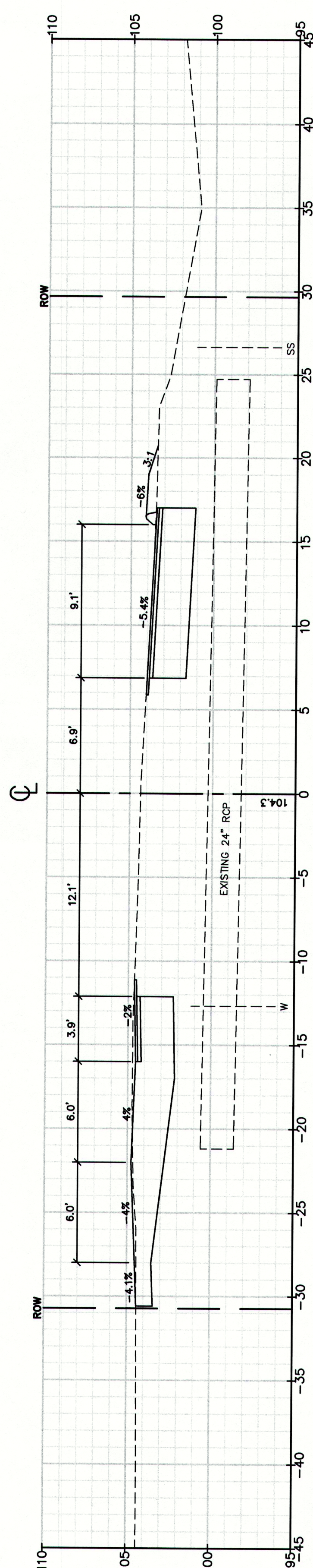
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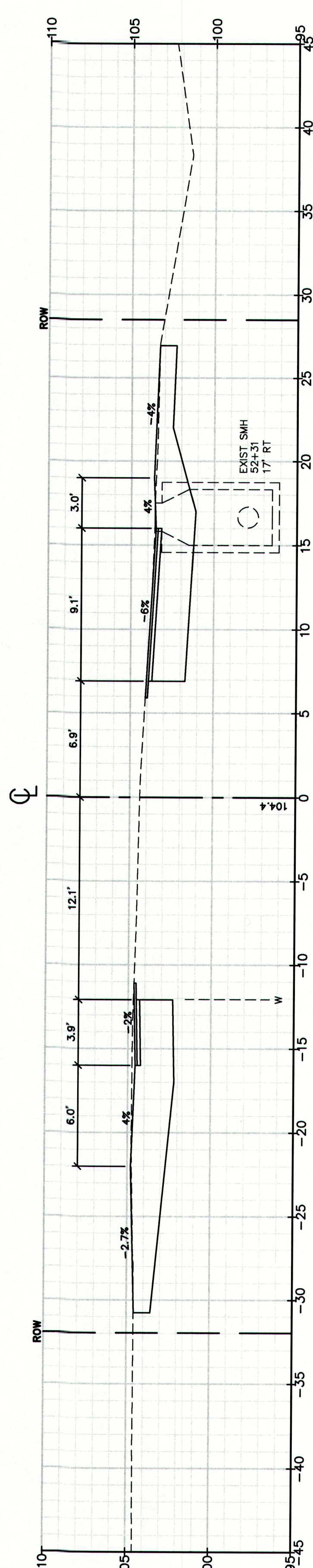
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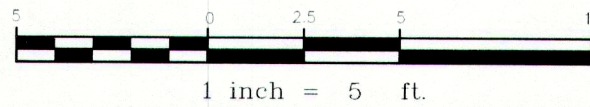
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52+40.00



52+30.00



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

Project:

Client:

Drawing No.

62

STA 52+30 TO STA 54+00

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Gray, ME 04039

E-Mail: mailbox@gorrellpalmer.com

207-657-6910

FAX: 207-657-6912

Sole risk and without liability to GPCEI.

Design: RJB

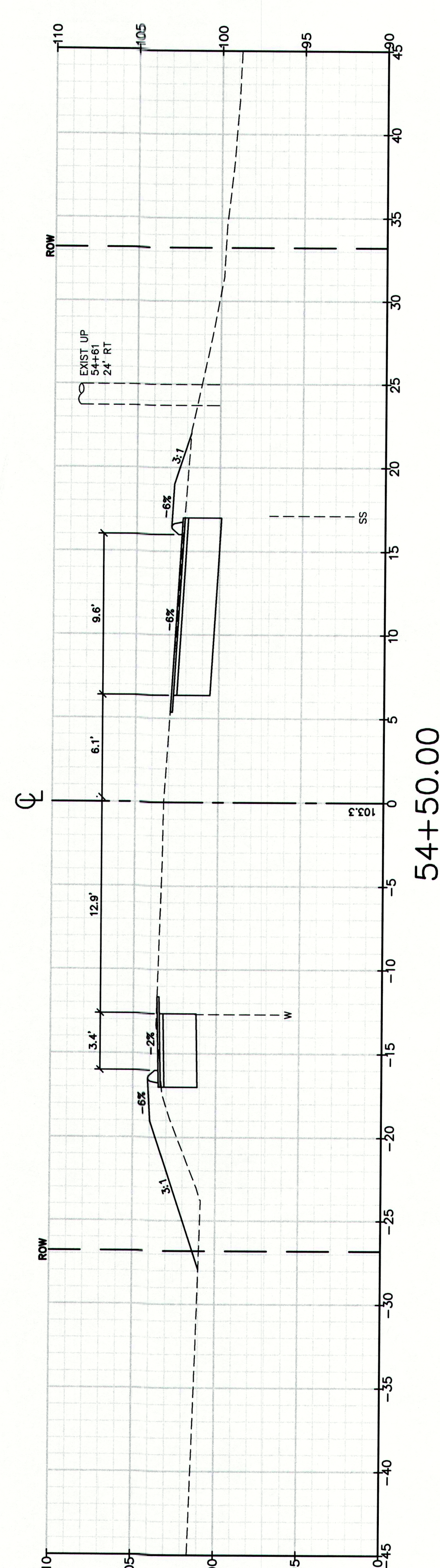
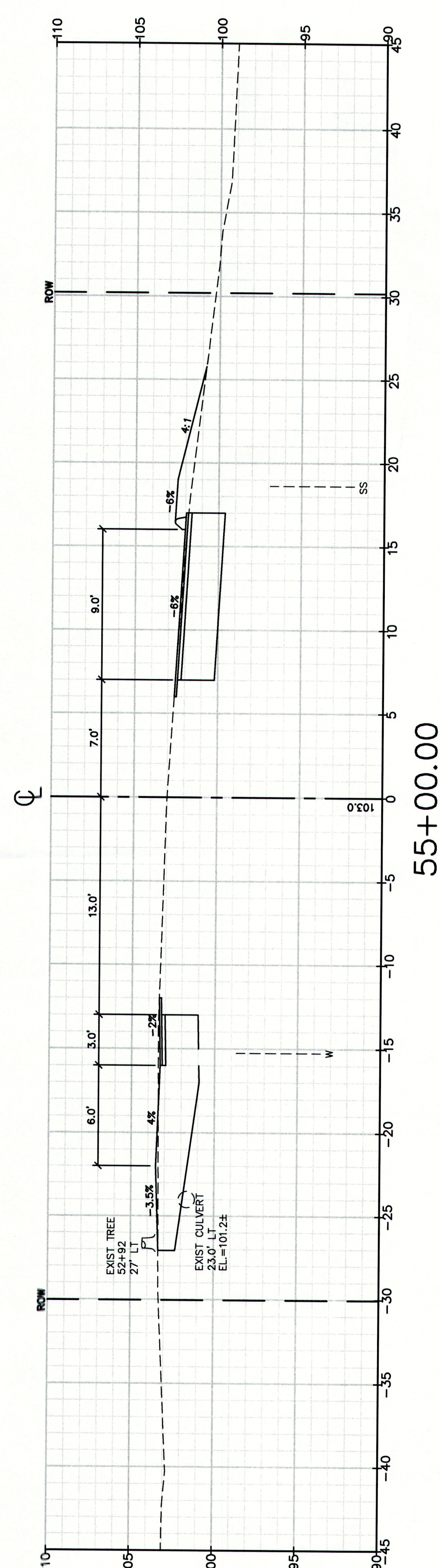
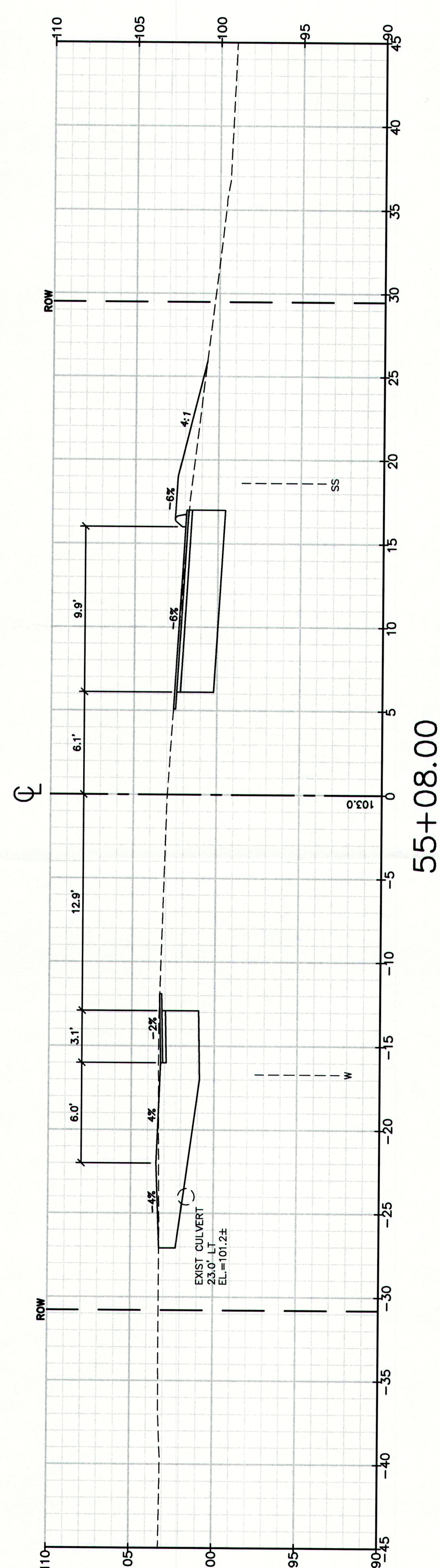
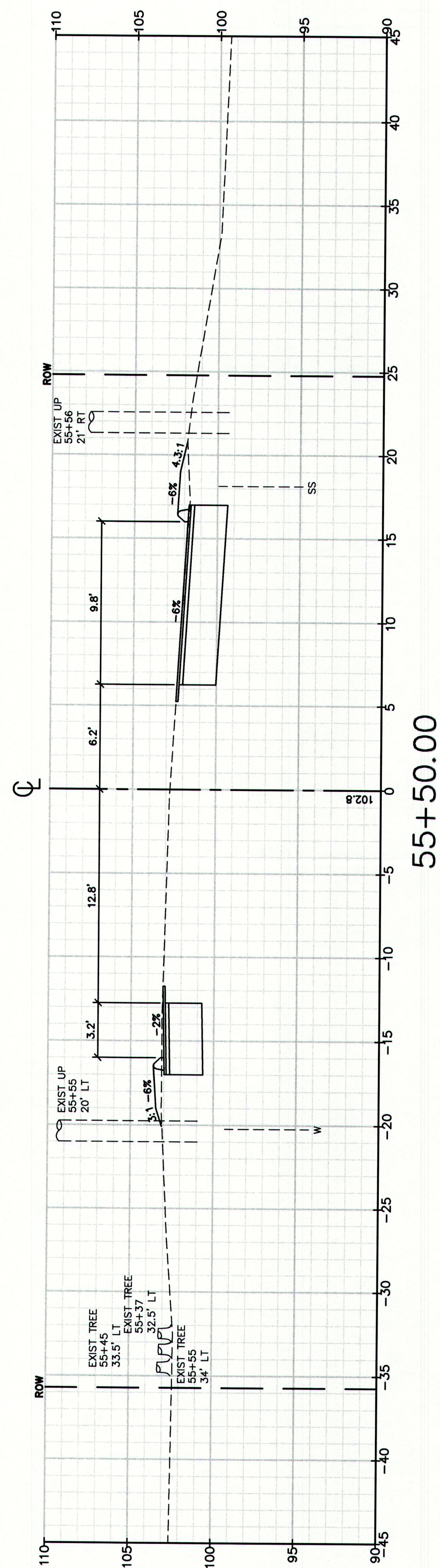
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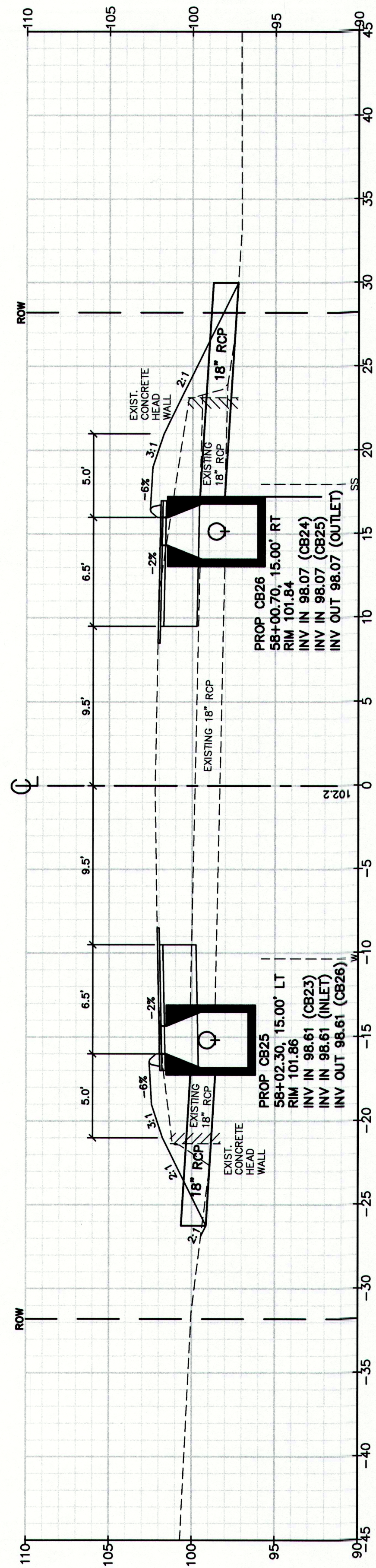
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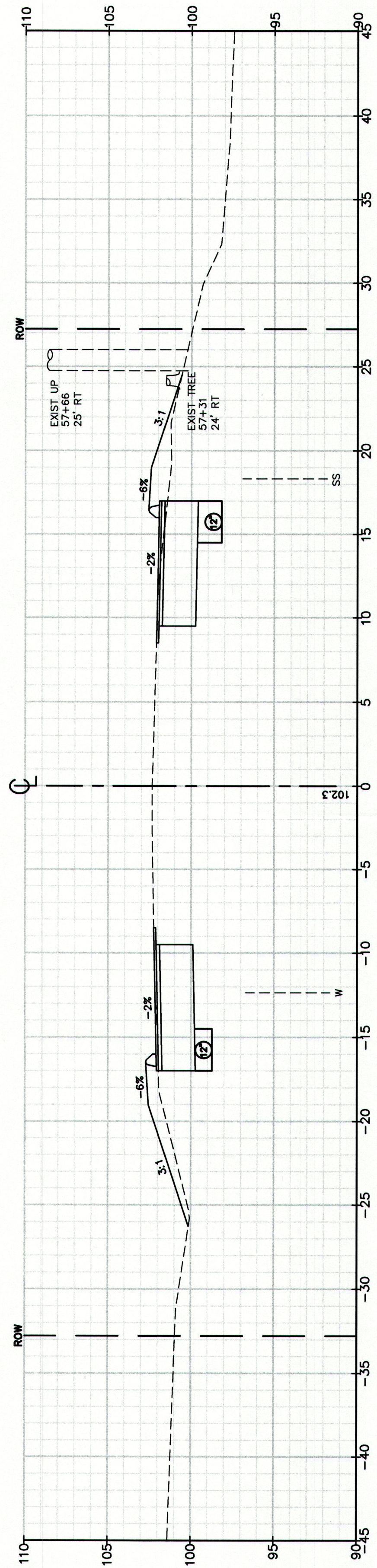
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Job No.: 2239

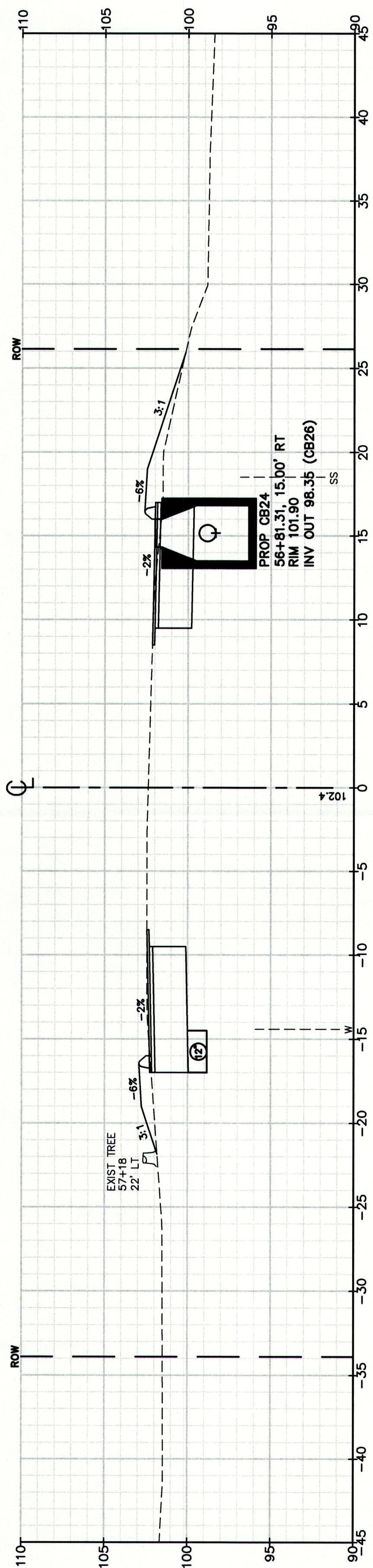




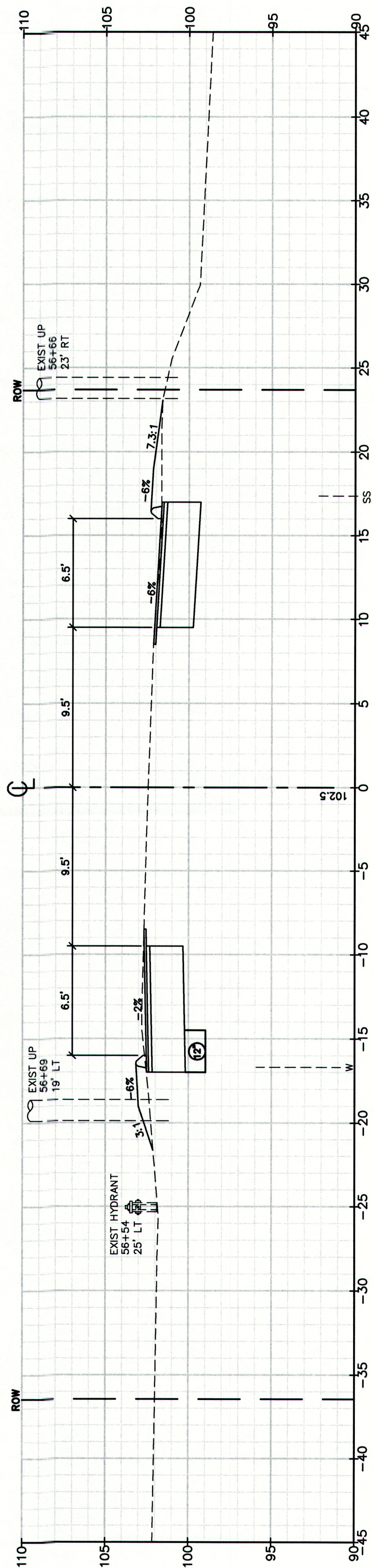
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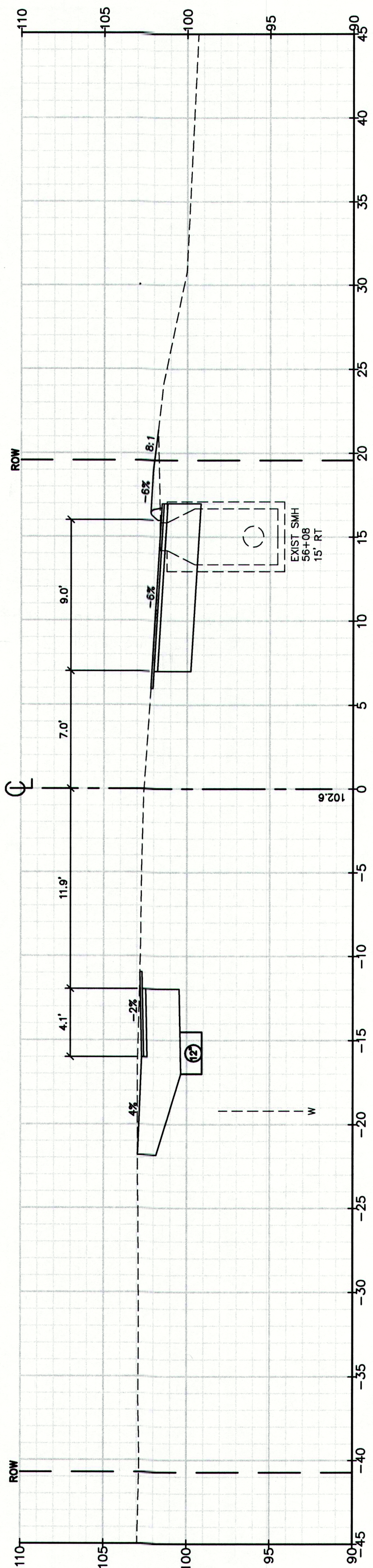
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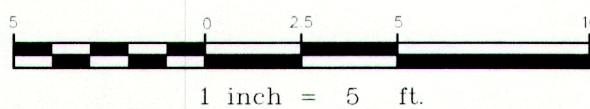
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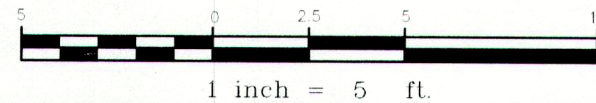
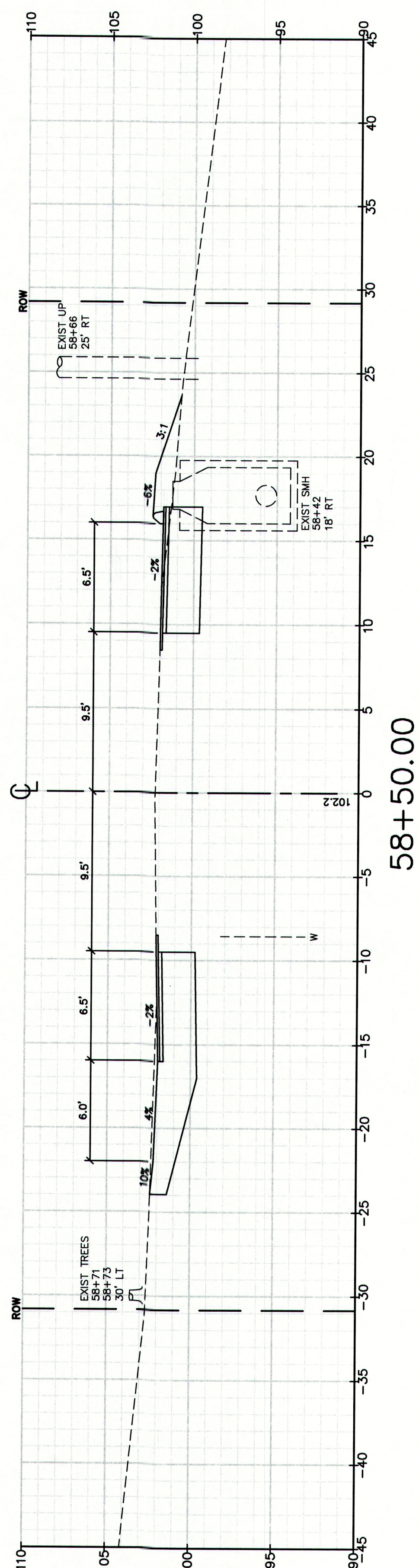
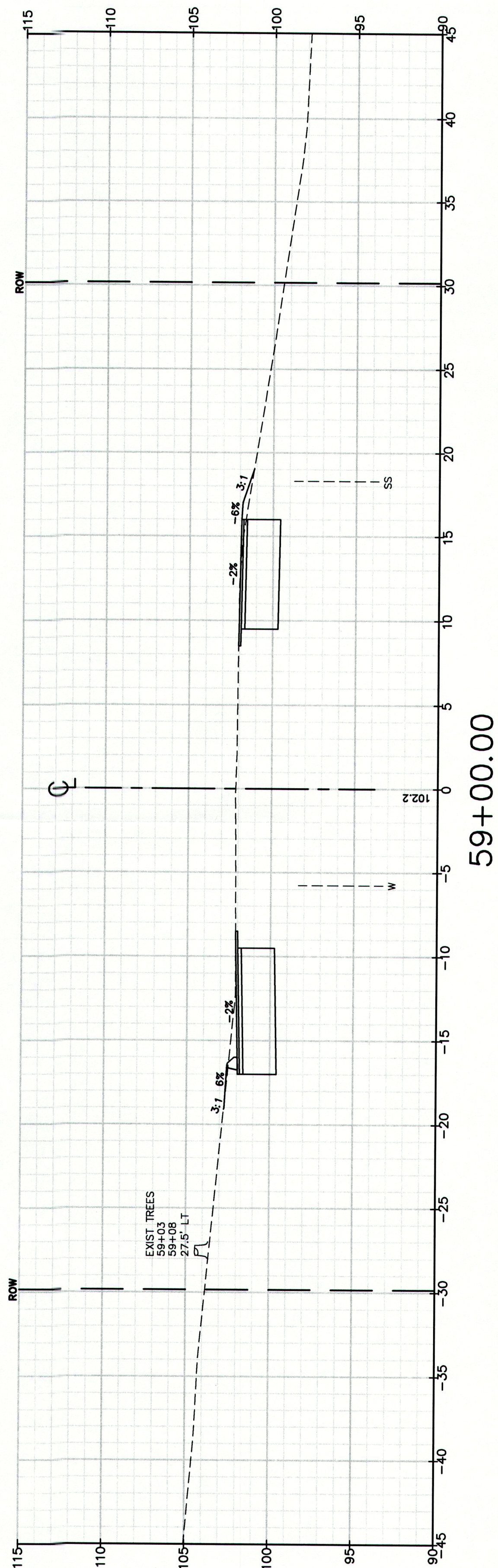
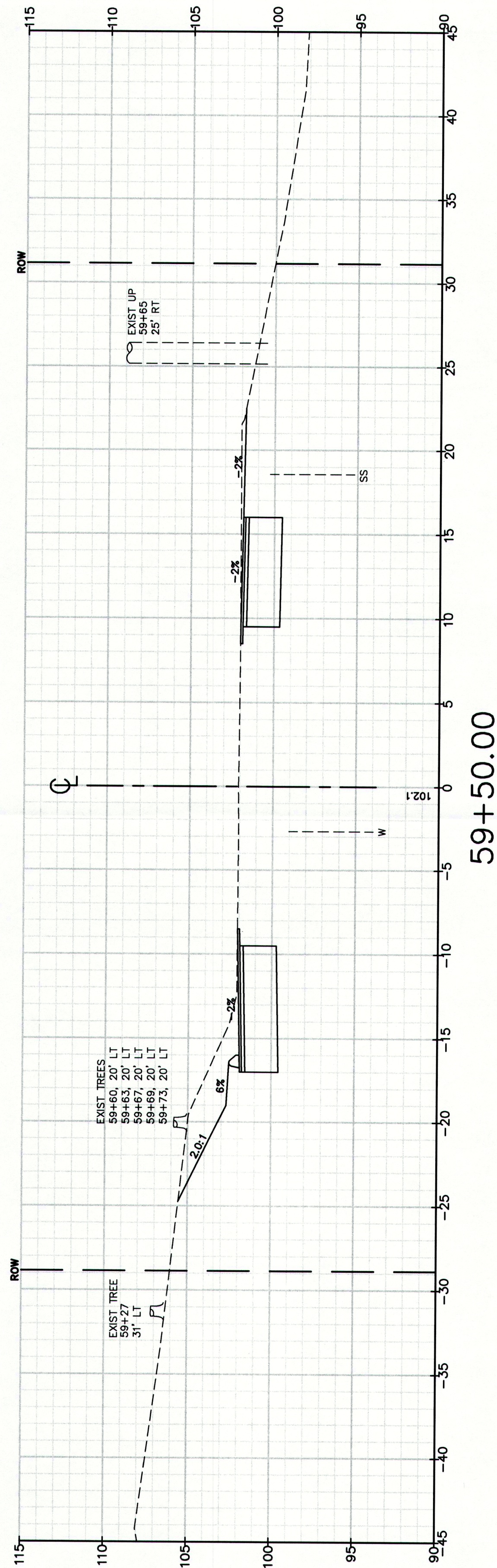
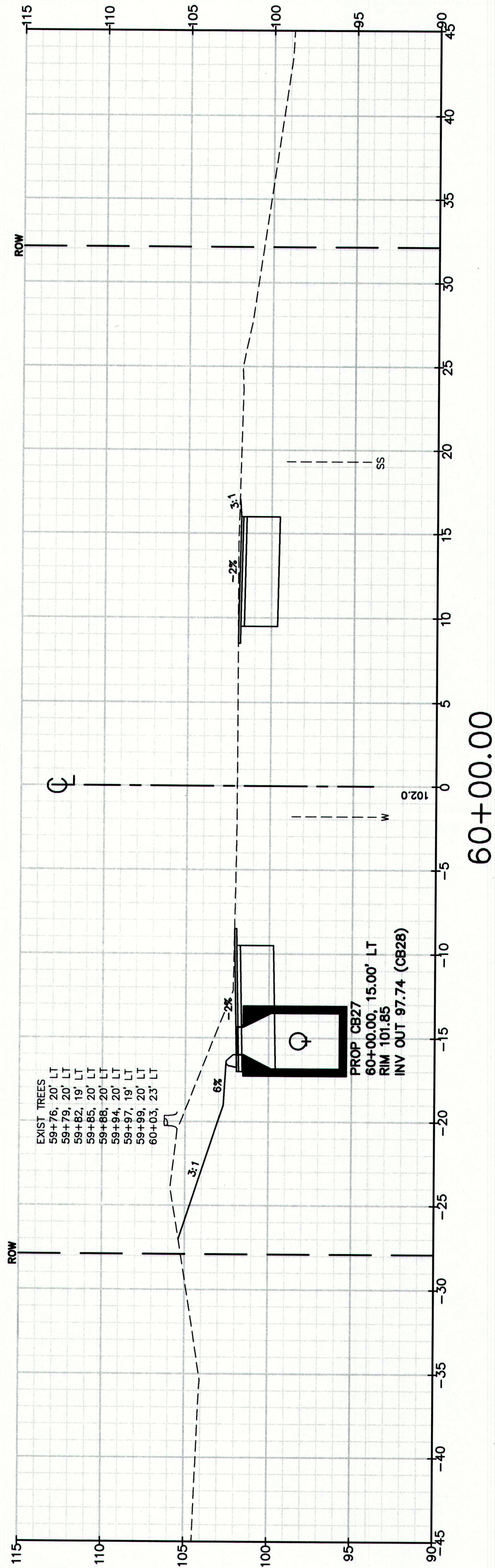
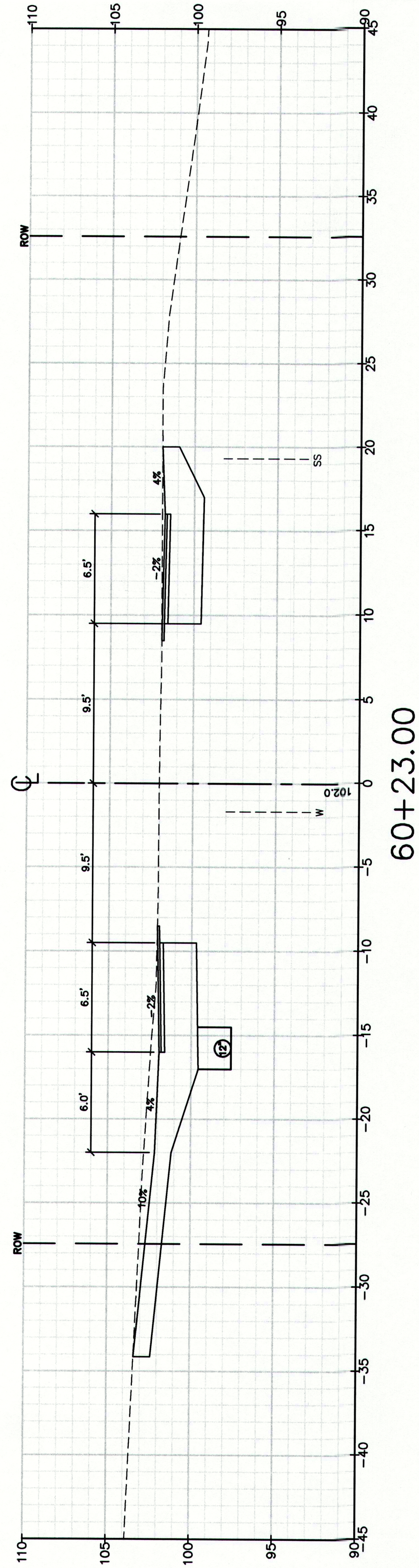


56+50.00



56+00.00





MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

Route 88 & Tuttle Road Ramps
Cumberland, Maine

Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

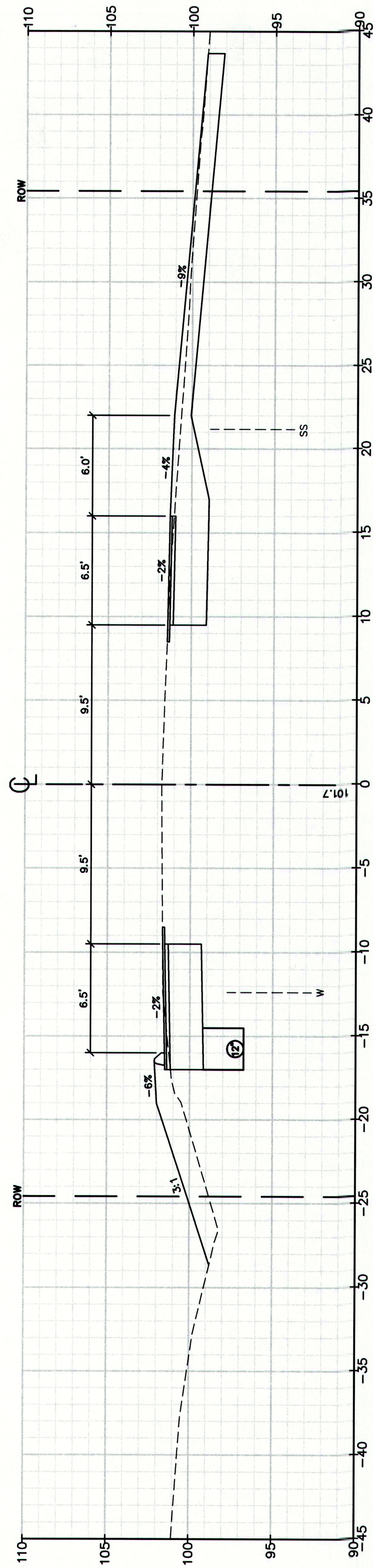
Drawing No.

65

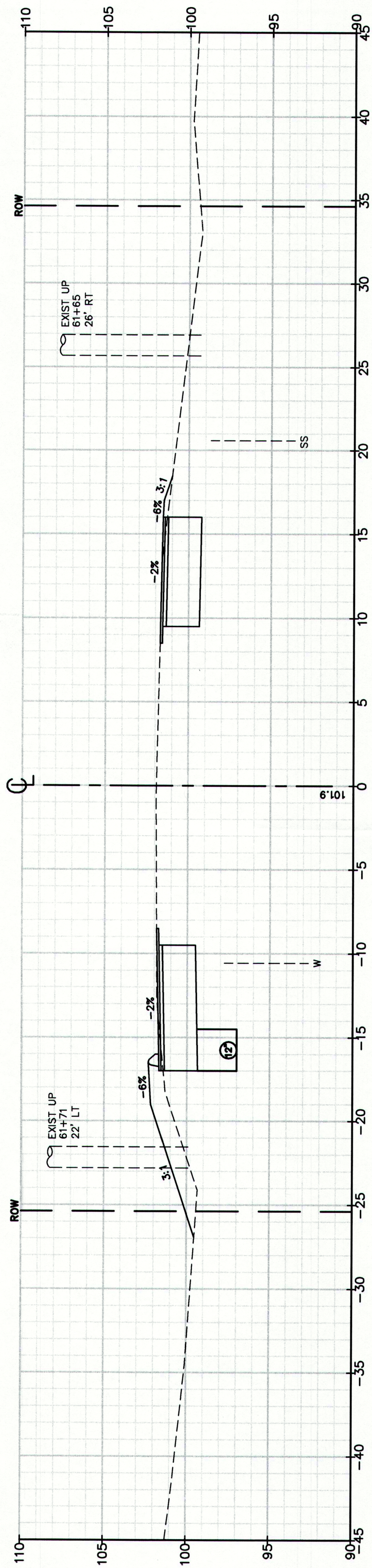
STA 58+50 TO STA 60+23

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Gray, ME 04039
E-Mail: malbox@gorrellpalmer.com
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FAX: 207-657-6912

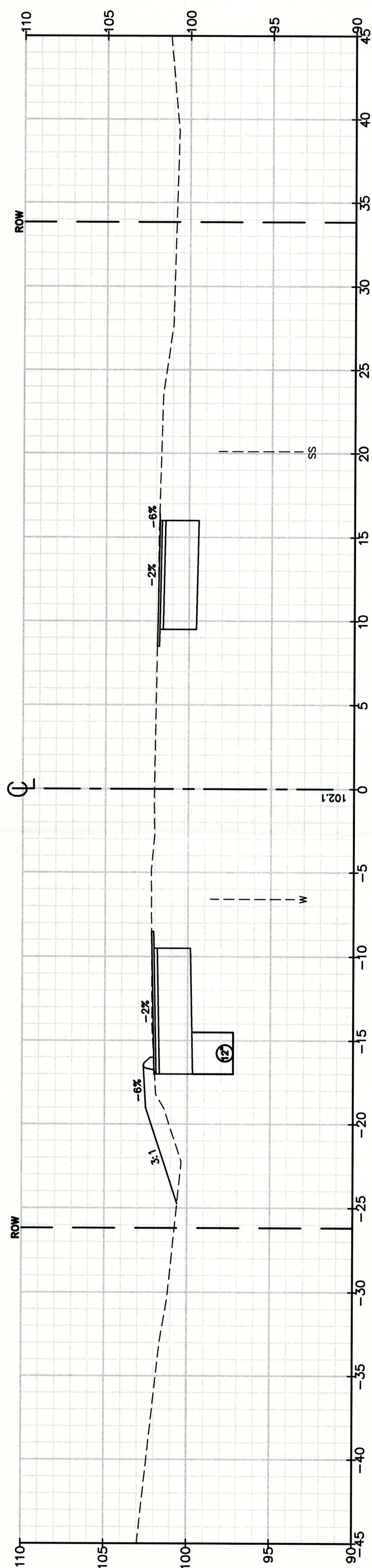
Design: RJB Draft: DB Date: DEC 2009
Checked: RJB Scale: Job No.: 2239
File Name: 2239_XSEC1.dwg
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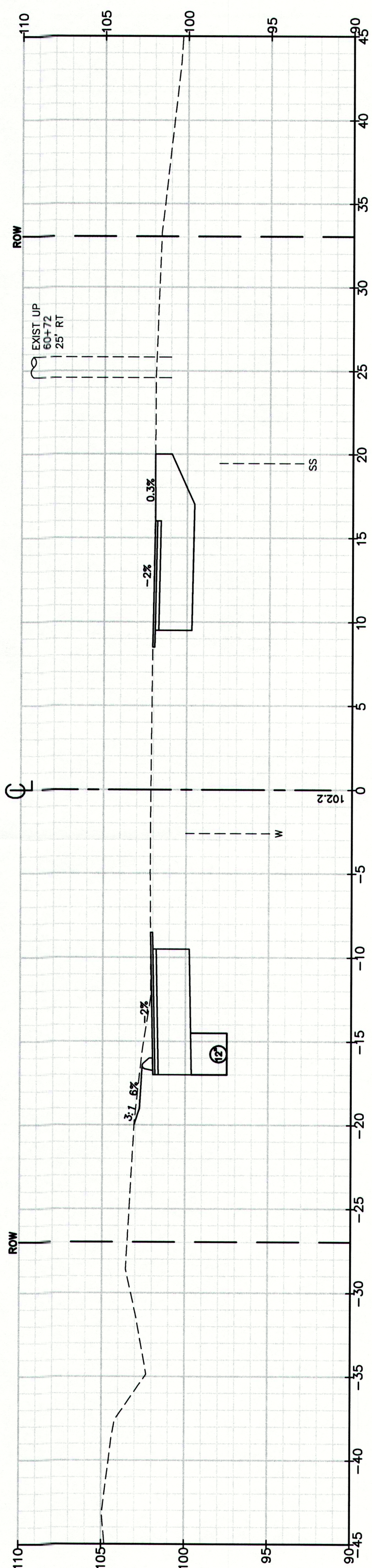
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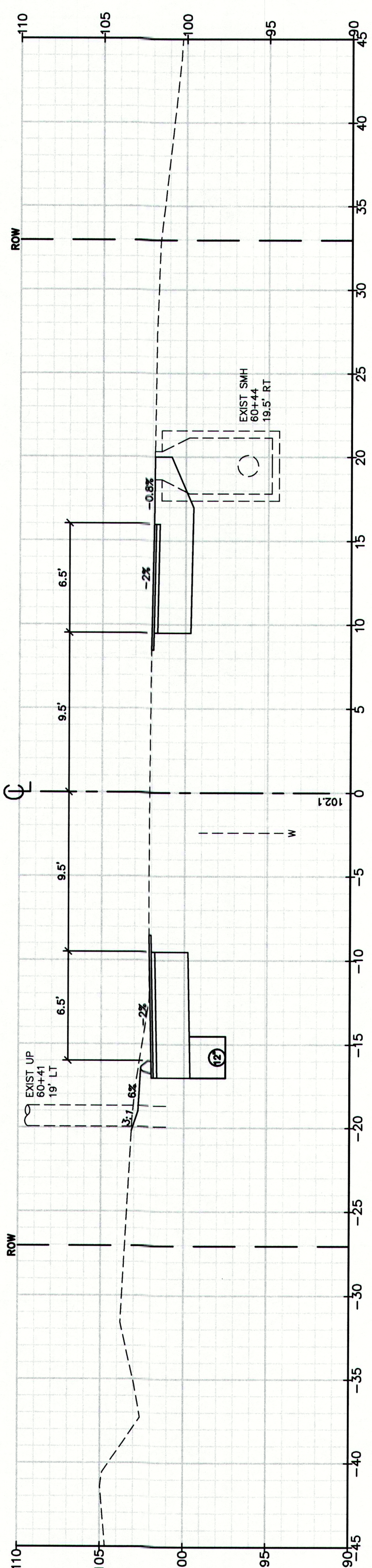
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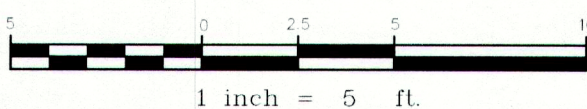
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60+50.00



60+45.00

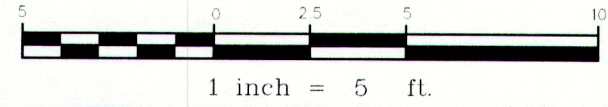
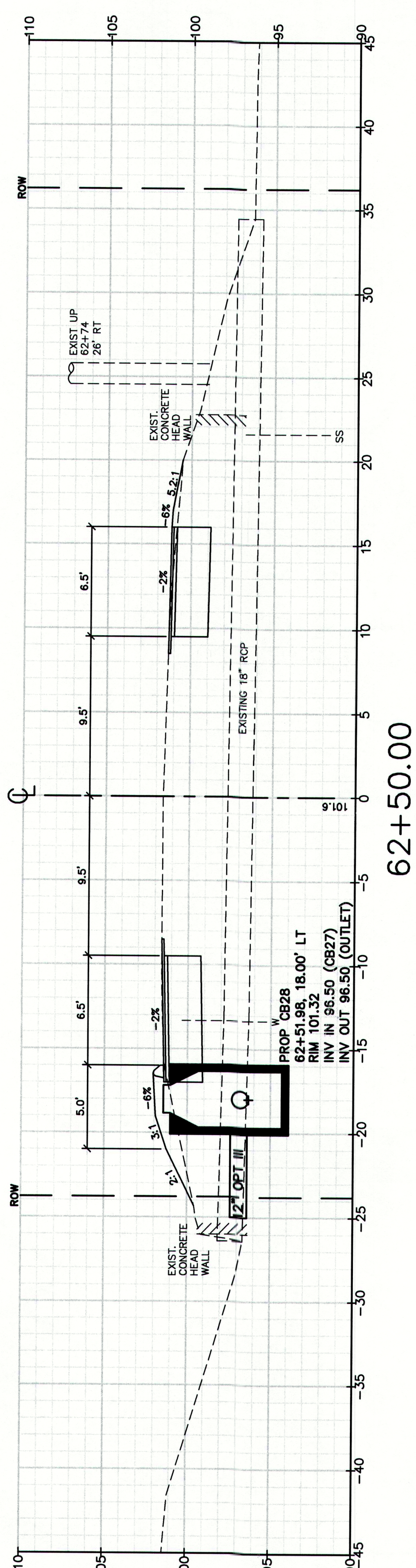
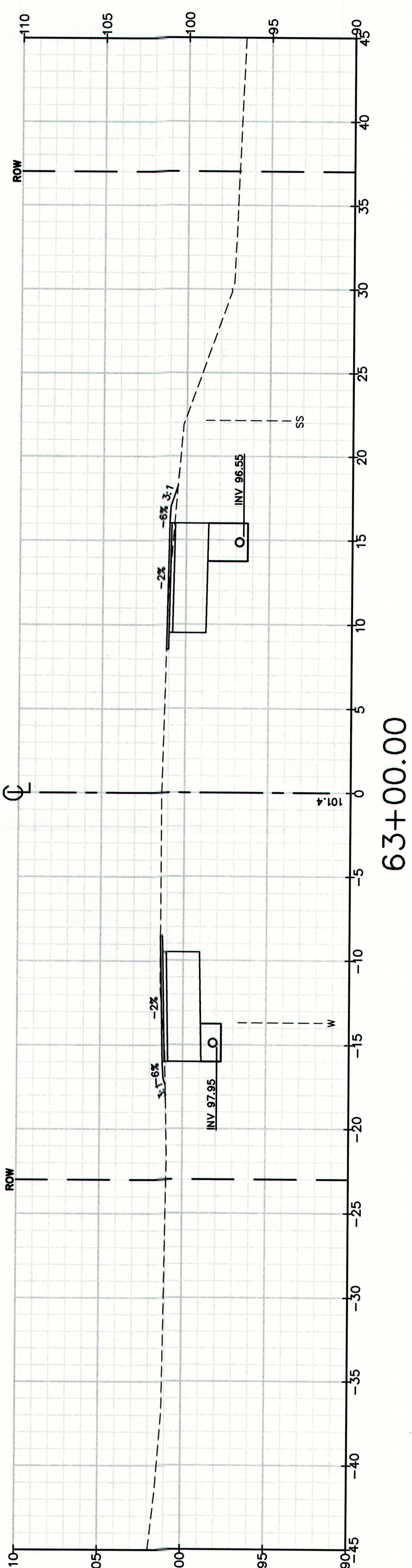
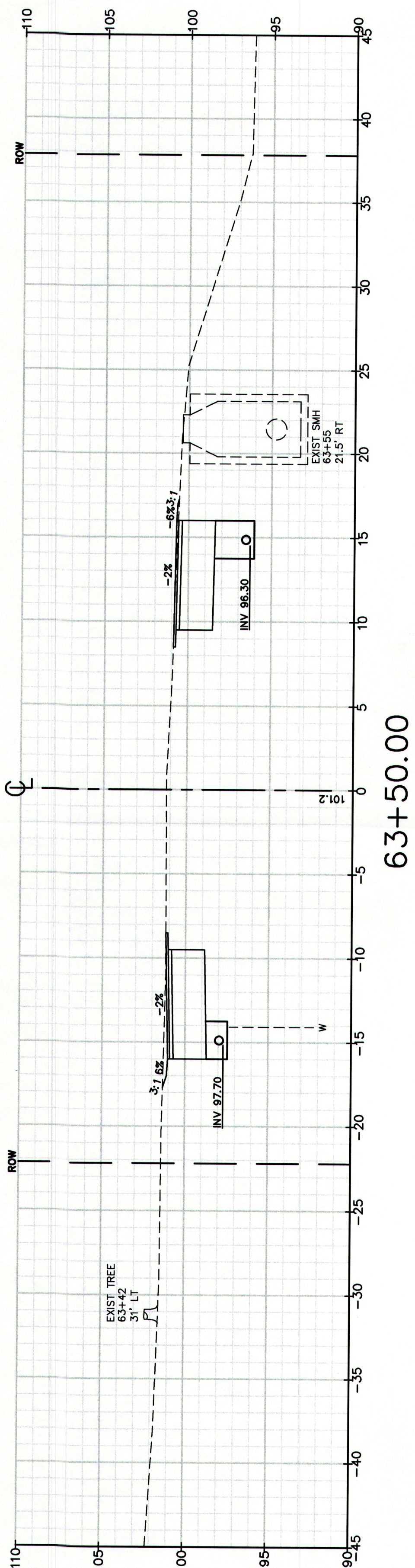
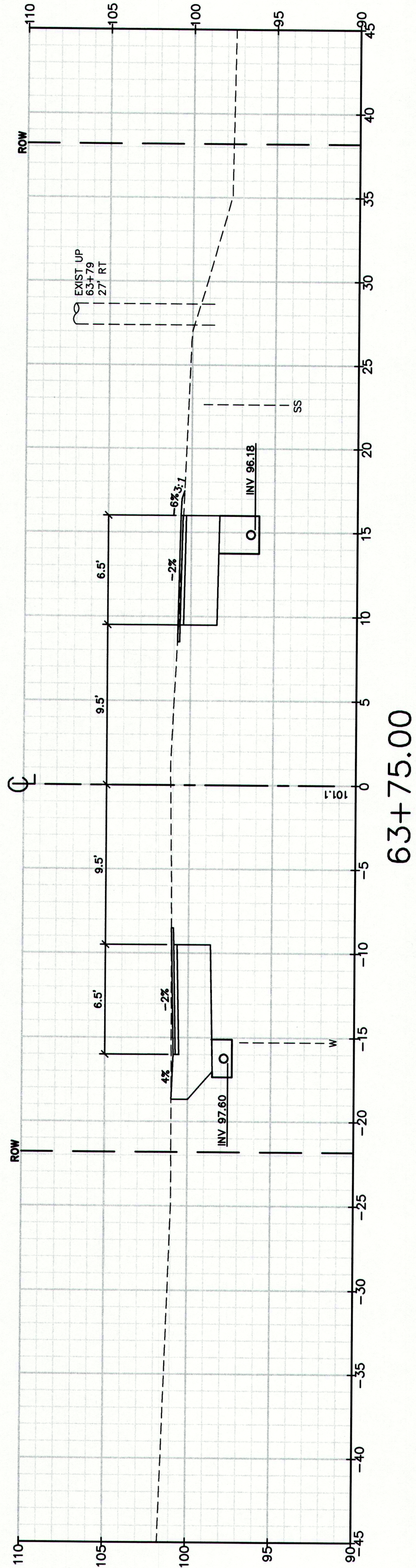


Drawing No.
66

Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

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15 Shaker Road
Gray, ME 04039
207-657-6910
207-657-6912
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Design: RJB
Checked: RCN
File Name: 2239_XSEC1.dwg
Draft: DB
Scale:
Date: DEC 2009
Job No.: 2239
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MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

Project: **Route 88 & Tuttle Road Ramps**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021

Drawing No.

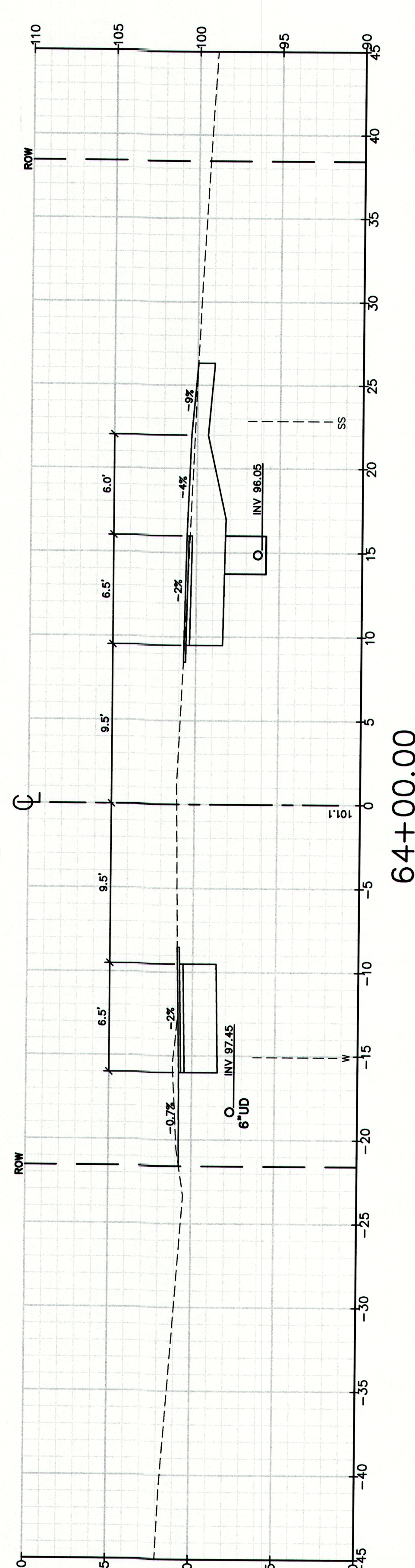
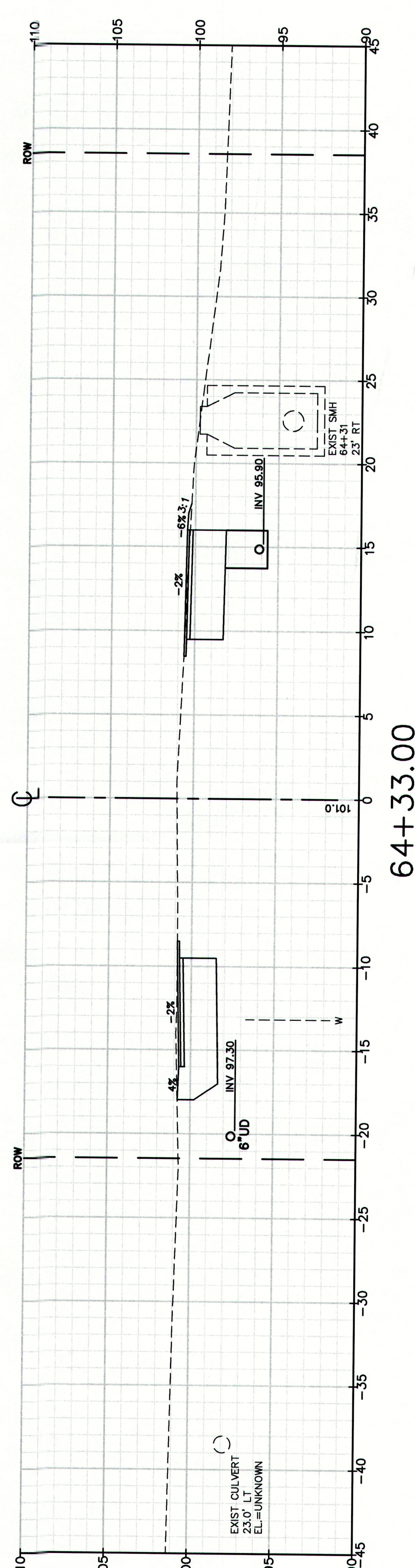
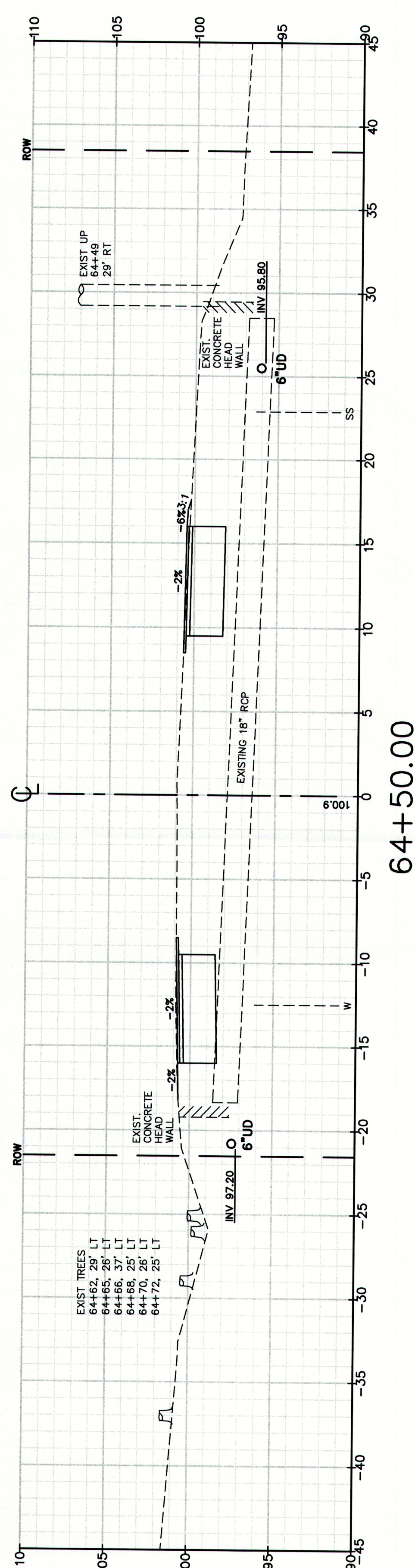
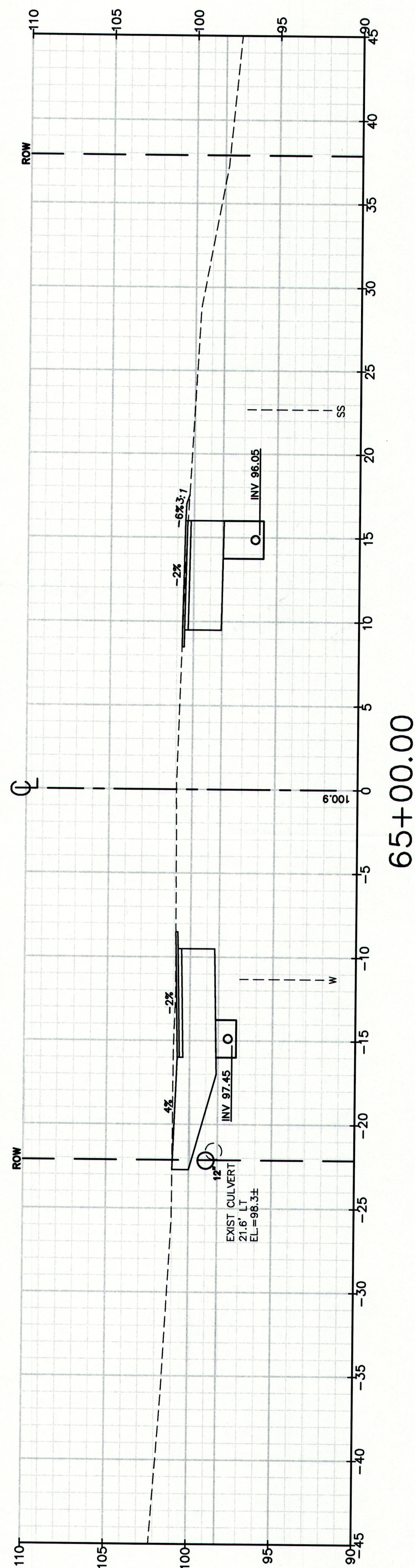
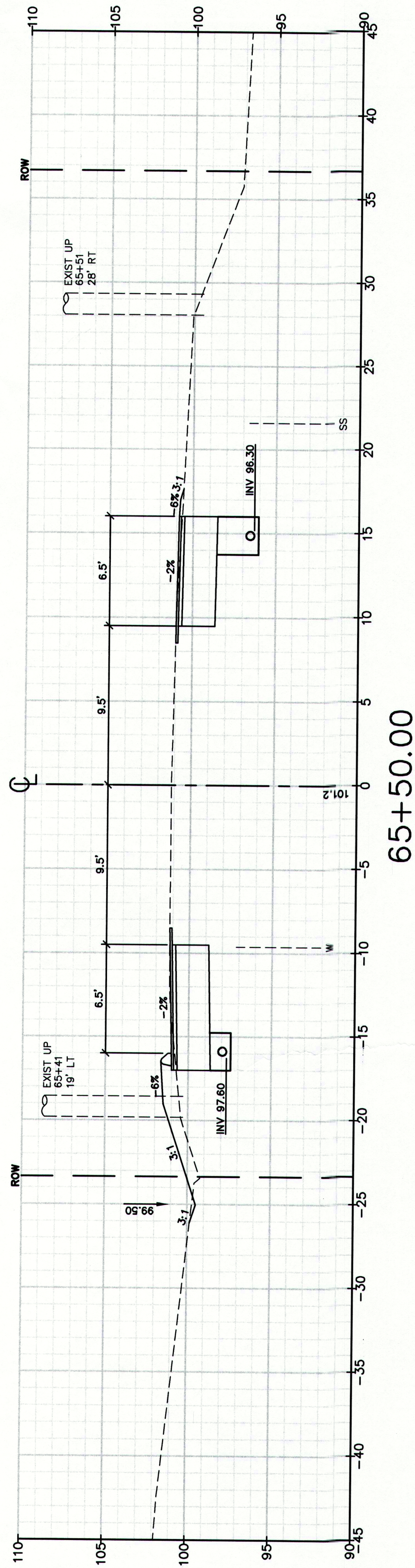
67

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Gray, ME 04039
207-657-6910
FAX: 207-657-6912
E-Mail: malibox@gorrillpalmer.com

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Design: RJB
Checked: RJB
File Name: 2239_XSEC1.dwg
Job No.: 2239
Date: DEC 2009
Scale: 1" = 5'

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MAINEDOT PIN

CUMBERLAND, ROUTE 88

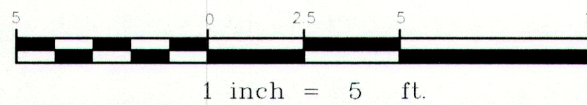
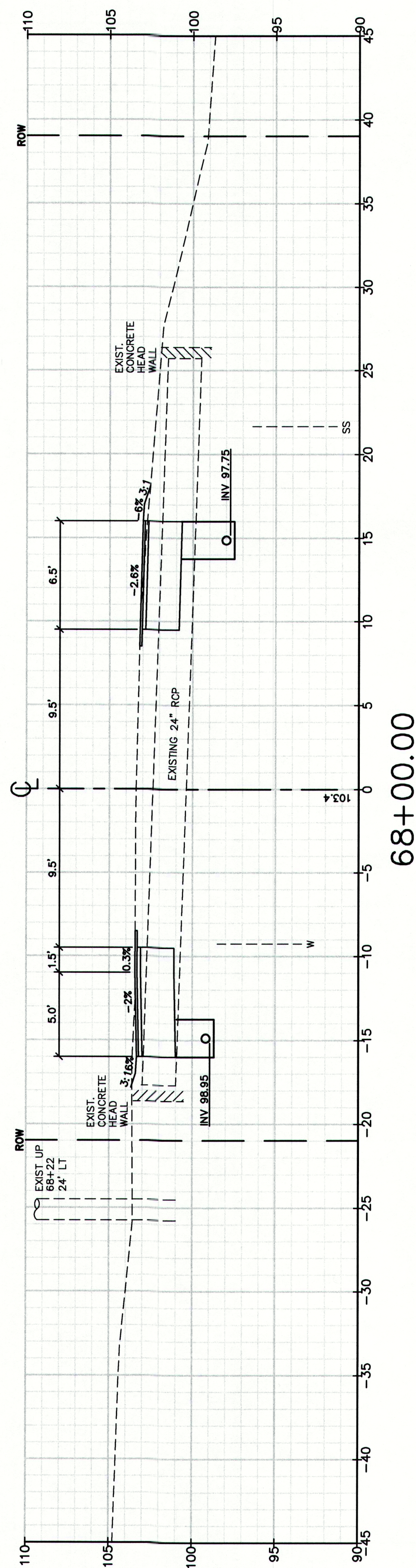
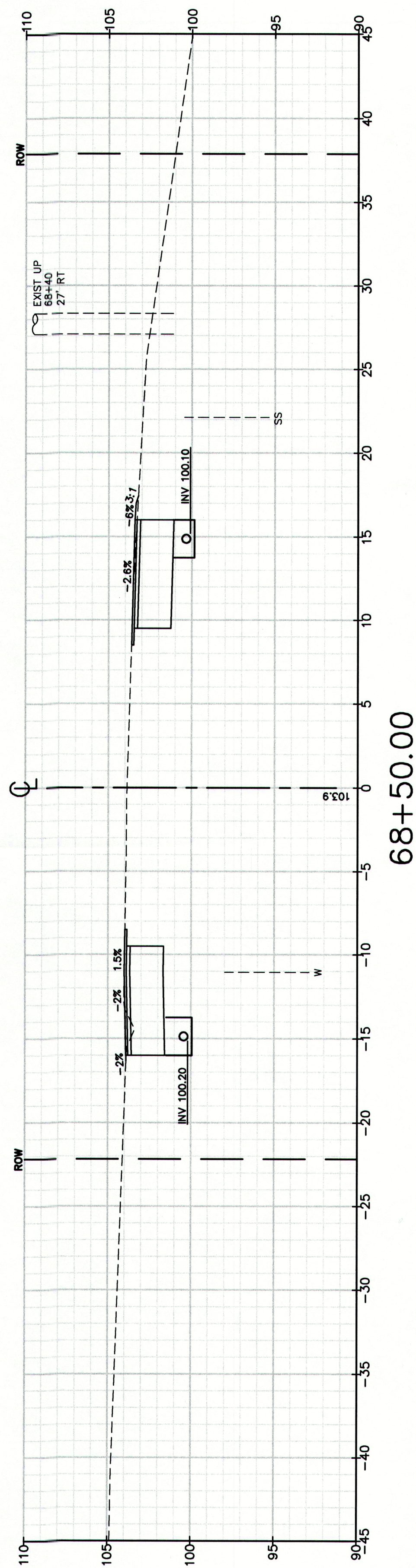
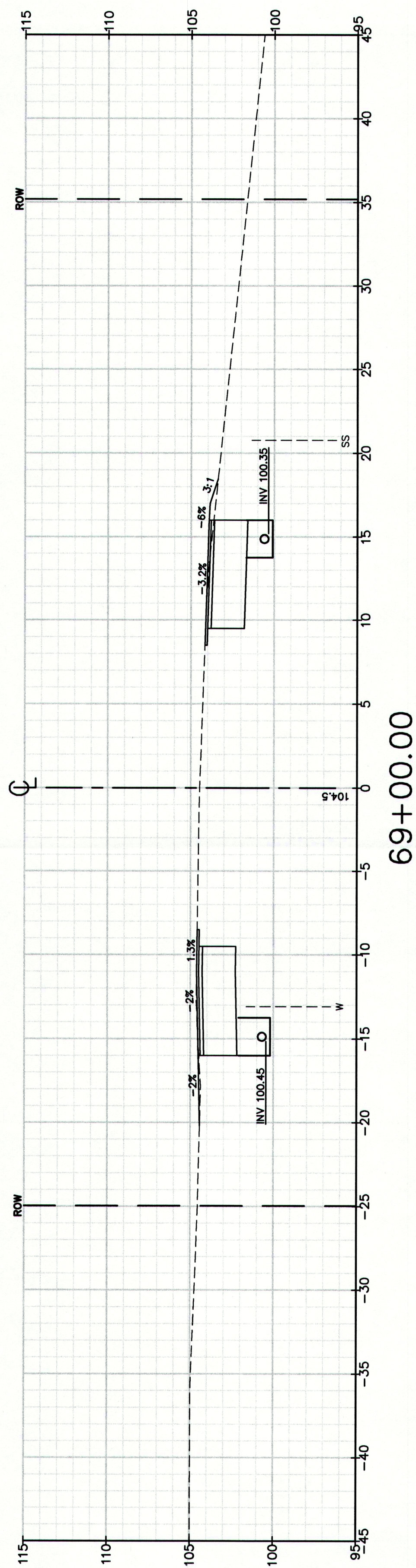
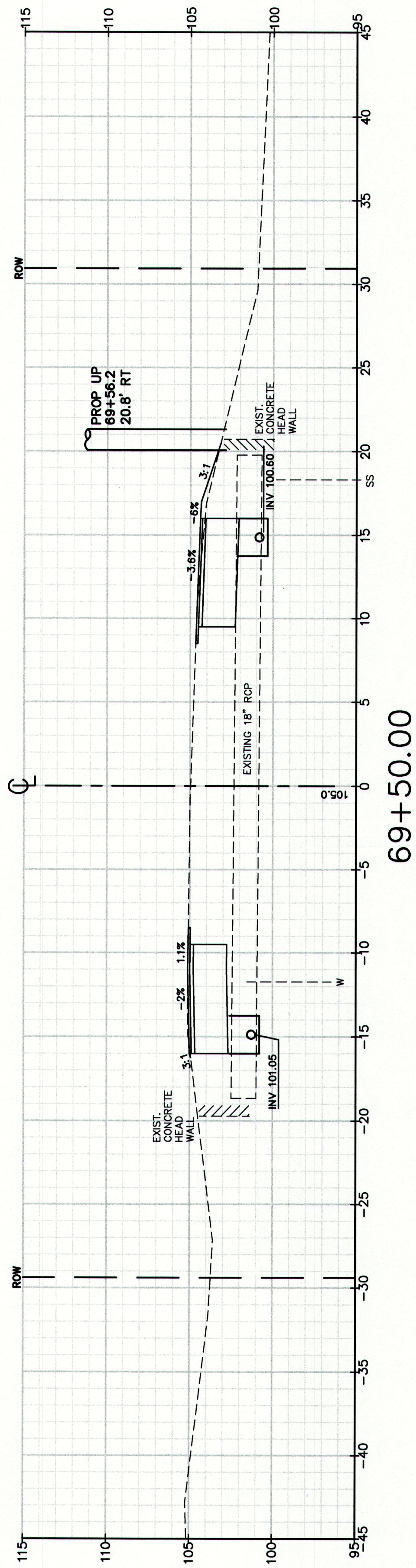
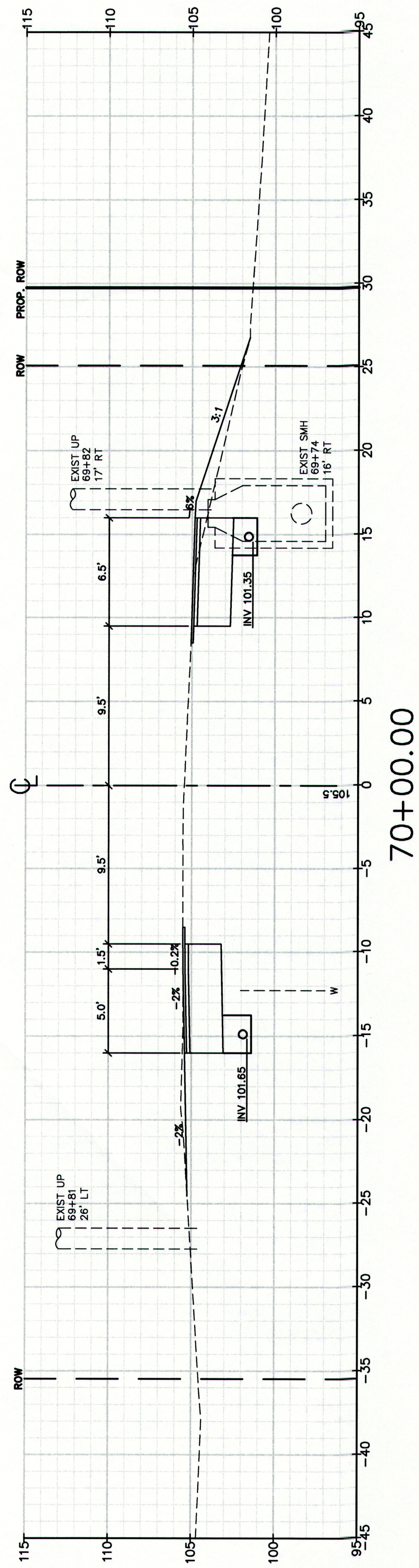
Drawing No.
68

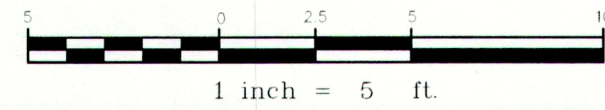
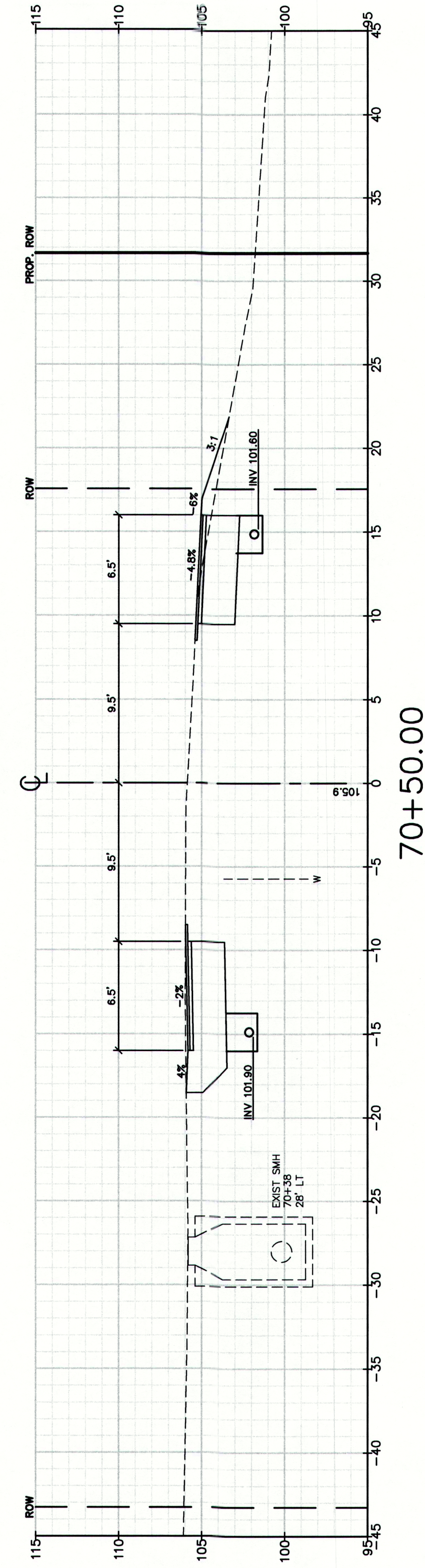
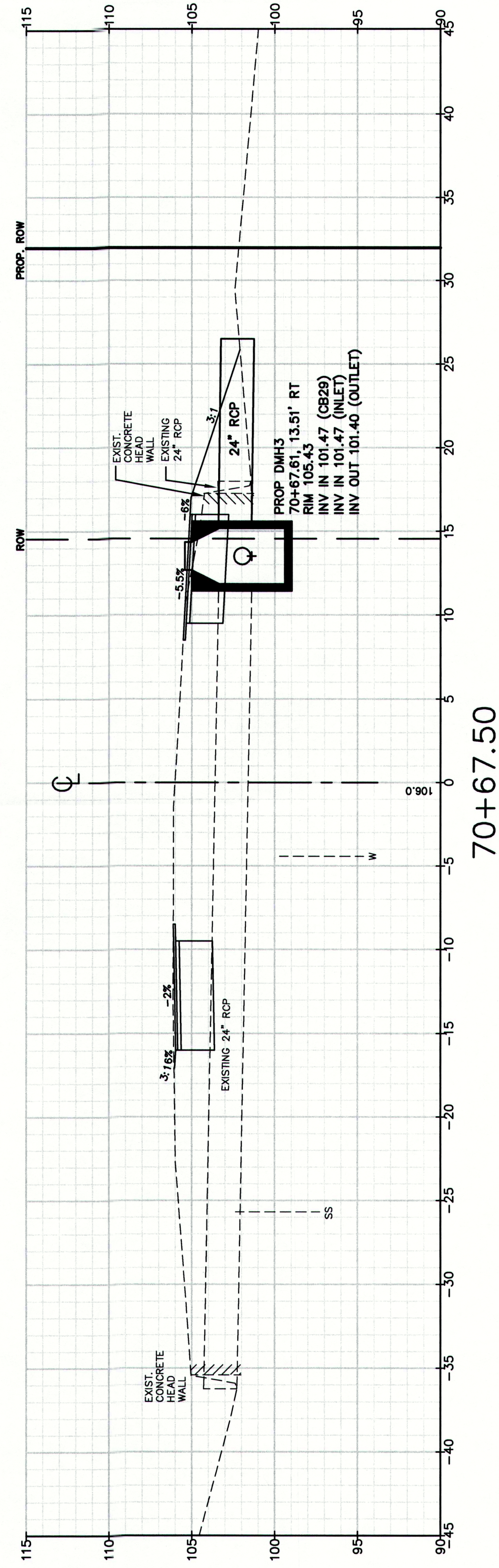
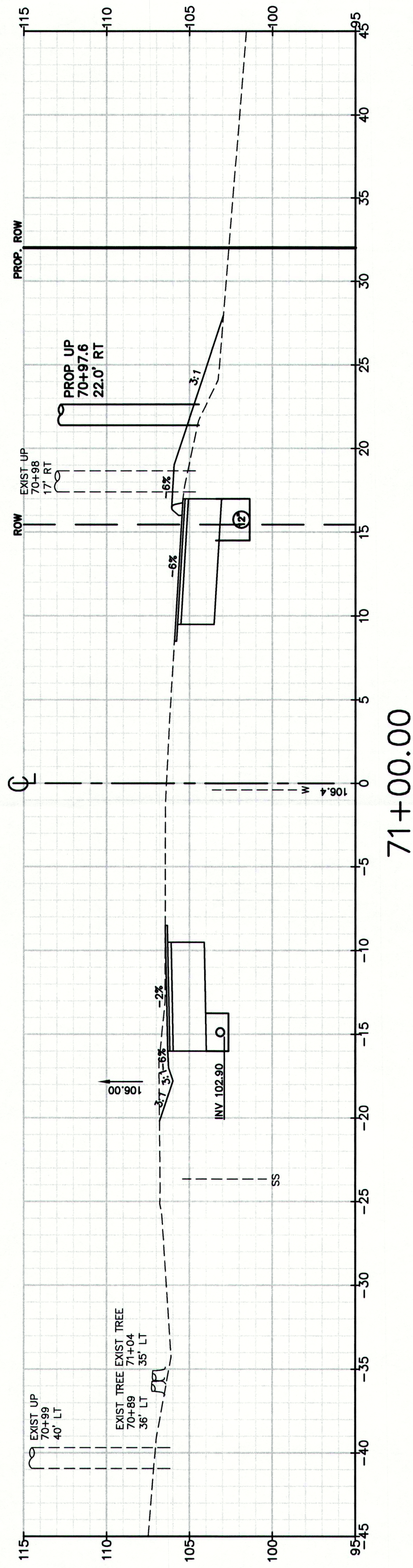
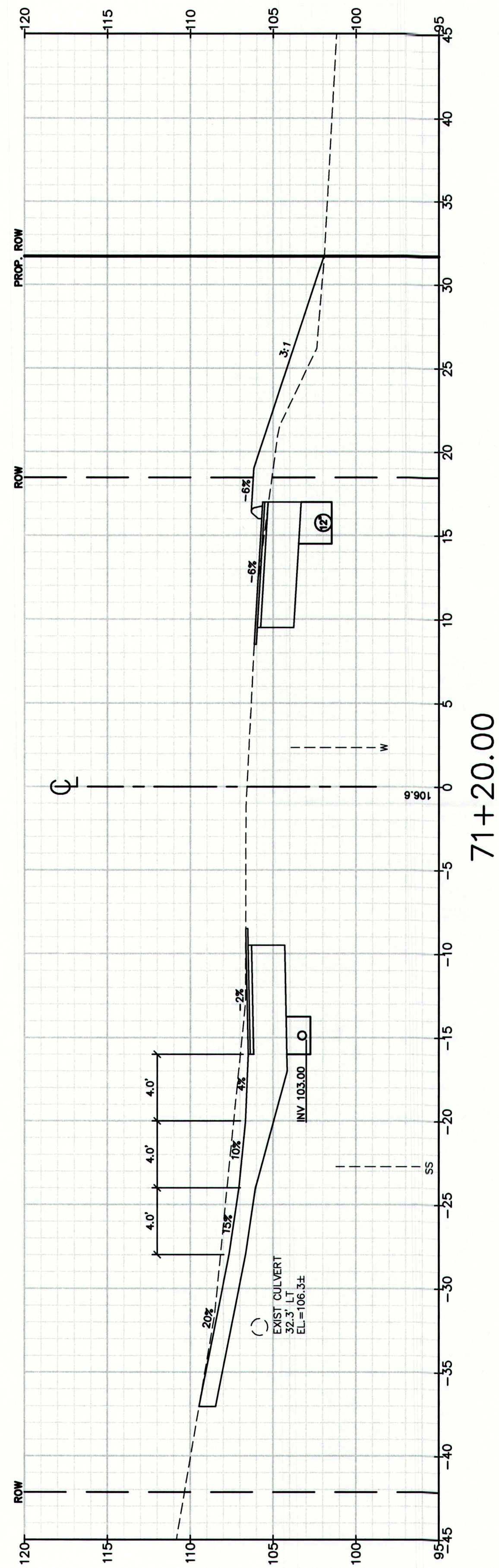
Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

Gp Gorrill-Palmer Consulting Engineers, Inc.
P.O. Box 1237
15 Shaker Road
Gray, ME 04039
207-657-6910
FAX: 207-657-6912
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Design: RUB
Checked: RCB
File Name: 2239_XSEC1.dwg
Date: DEC 2009
Job No.: 2239
Scale:
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STA 64+00 TO STA 65+50



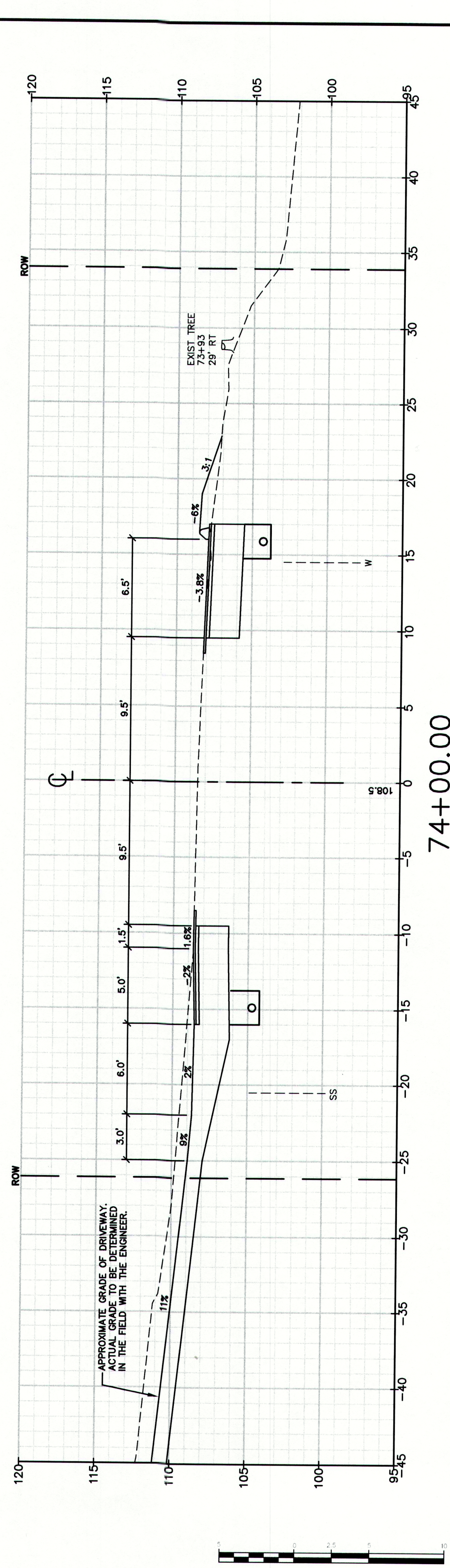
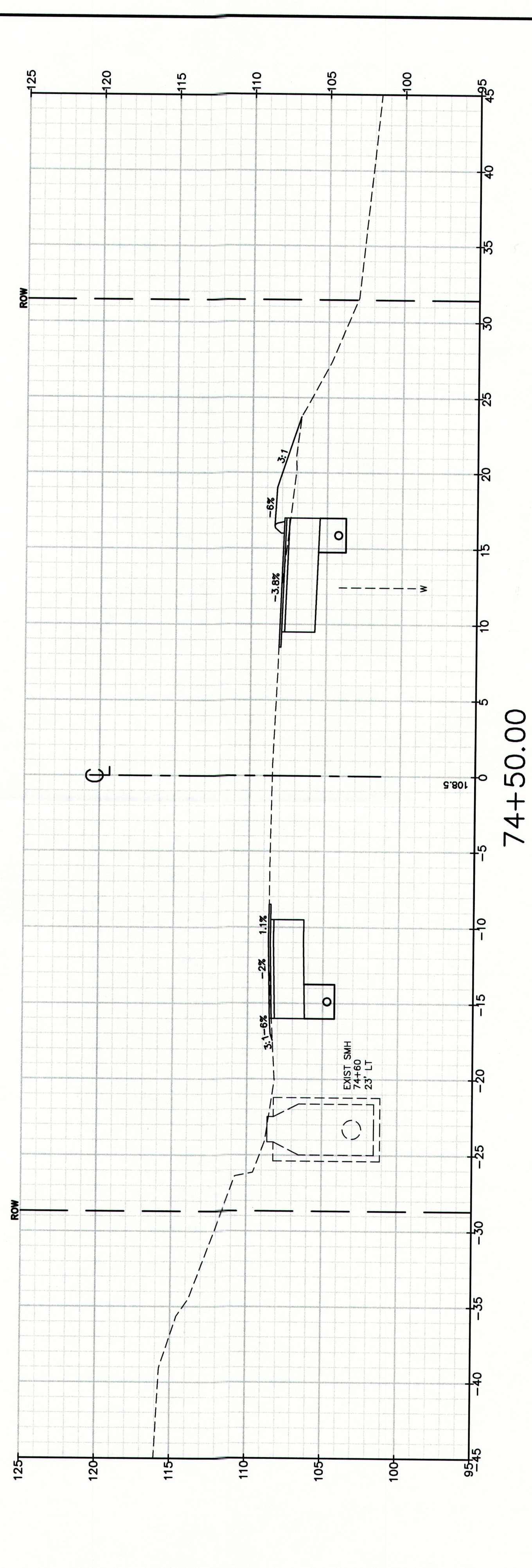
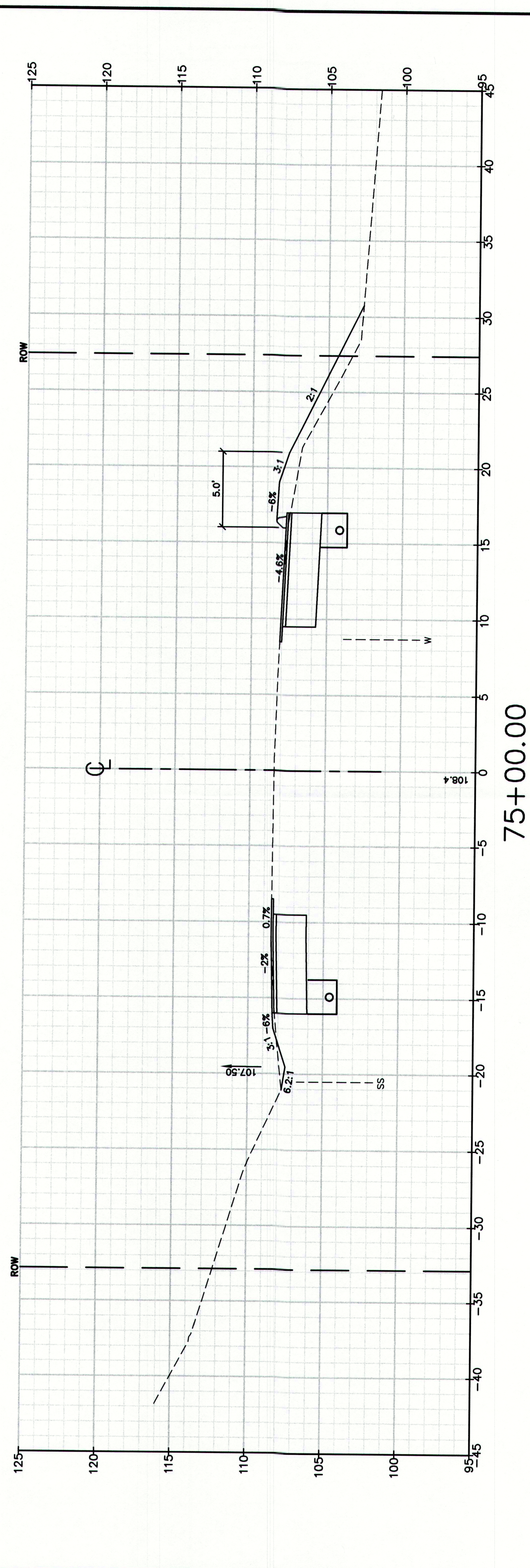
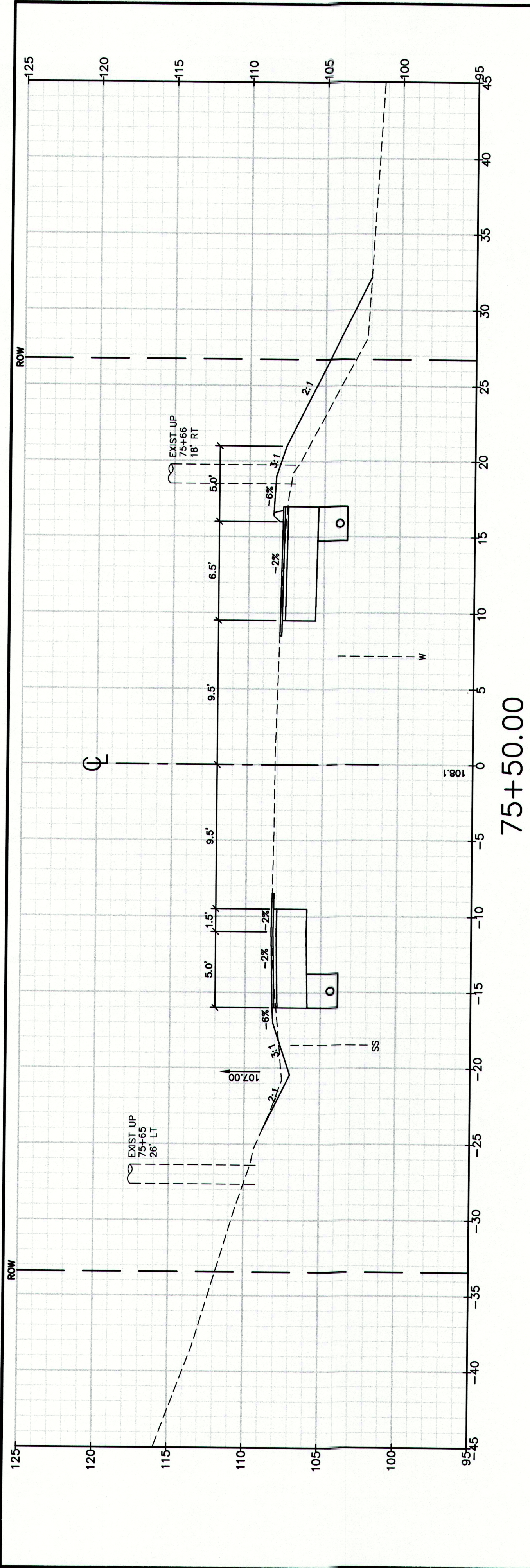


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CUMBERLAND, ROUTE 88

72

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale:	Job No.: 2239
File Name: 2239_XSEC1.dwg		



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

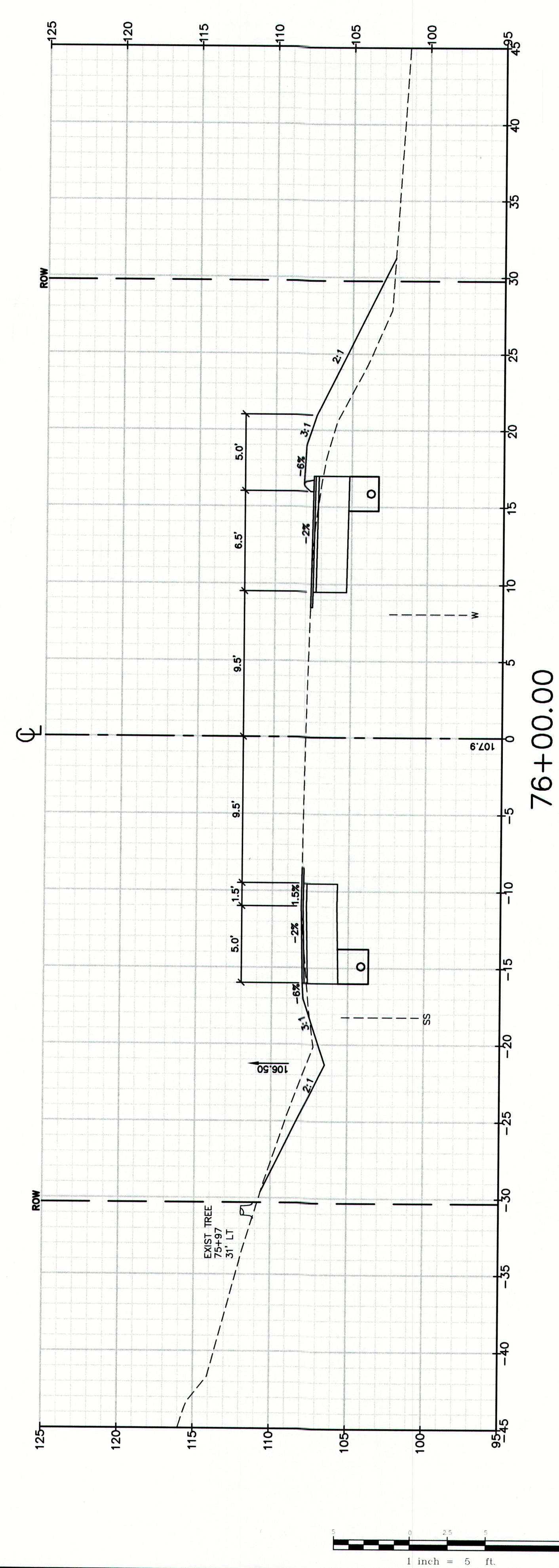
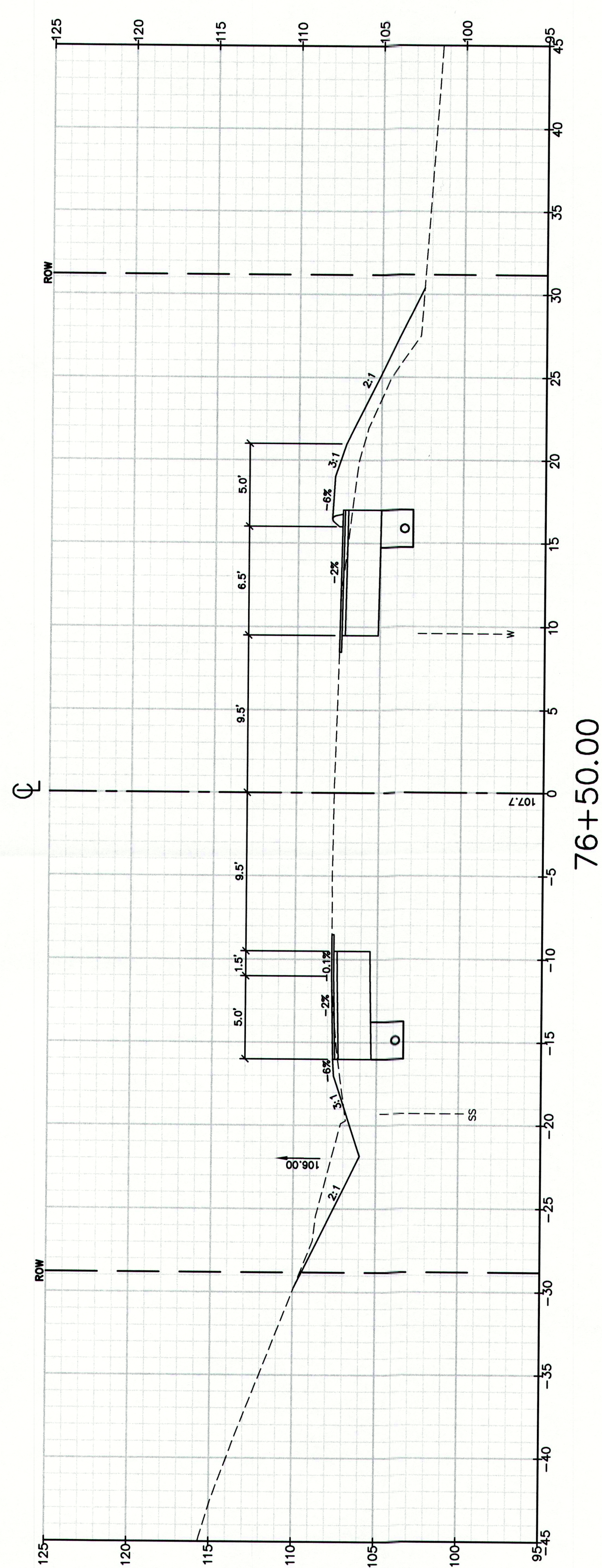
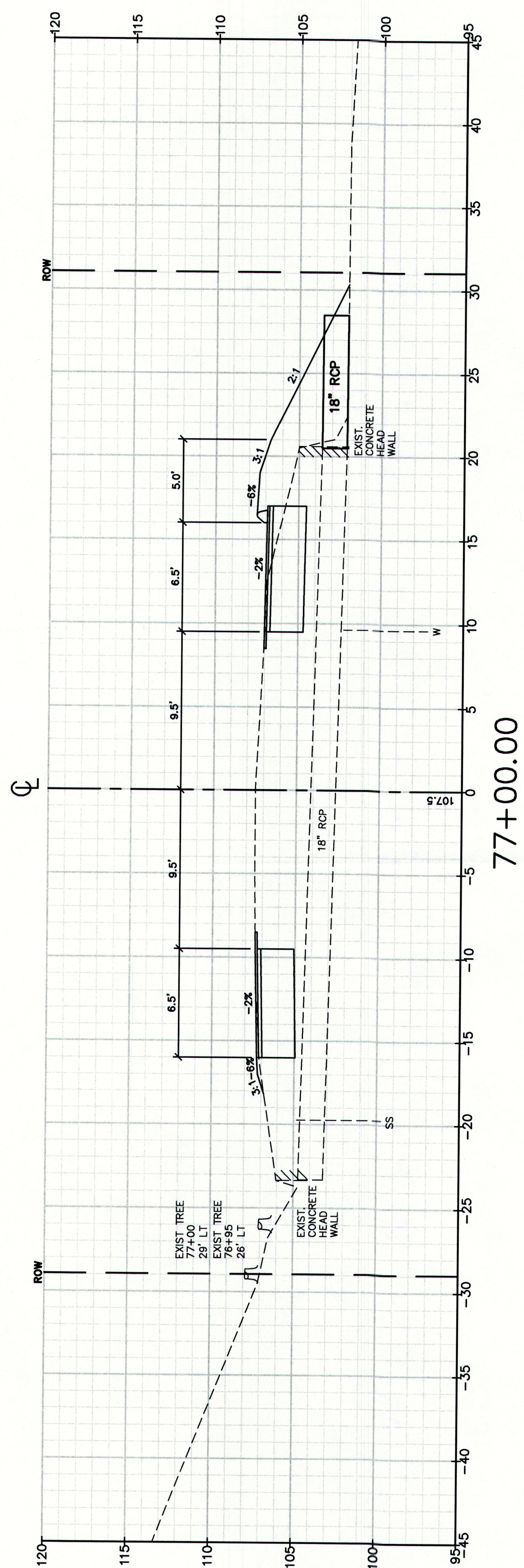
73

Drawing Name:
Project:
Client:

Cross Sections
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

GP Gorrill-Palmer Consulting Engineers, Inc.
PO Box 1237
15 Spiker Road
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207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

Design: RJB
Checked: RCN
File Name: 2239_XSEC1.dwg
Date: DEC 2009
Draft: DB
Scale:
Job No.: 2239
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CUMBERLAND, ROUTE 88

74

STA 76+00 TO STA 77+38

Drawing Name:

Cross Sections

Route 88 & Tuttle Road Ramps

Town of Cumberland
Cumberland, Maine
290 Tuttle Road. Cumberland, ME 04021

GP

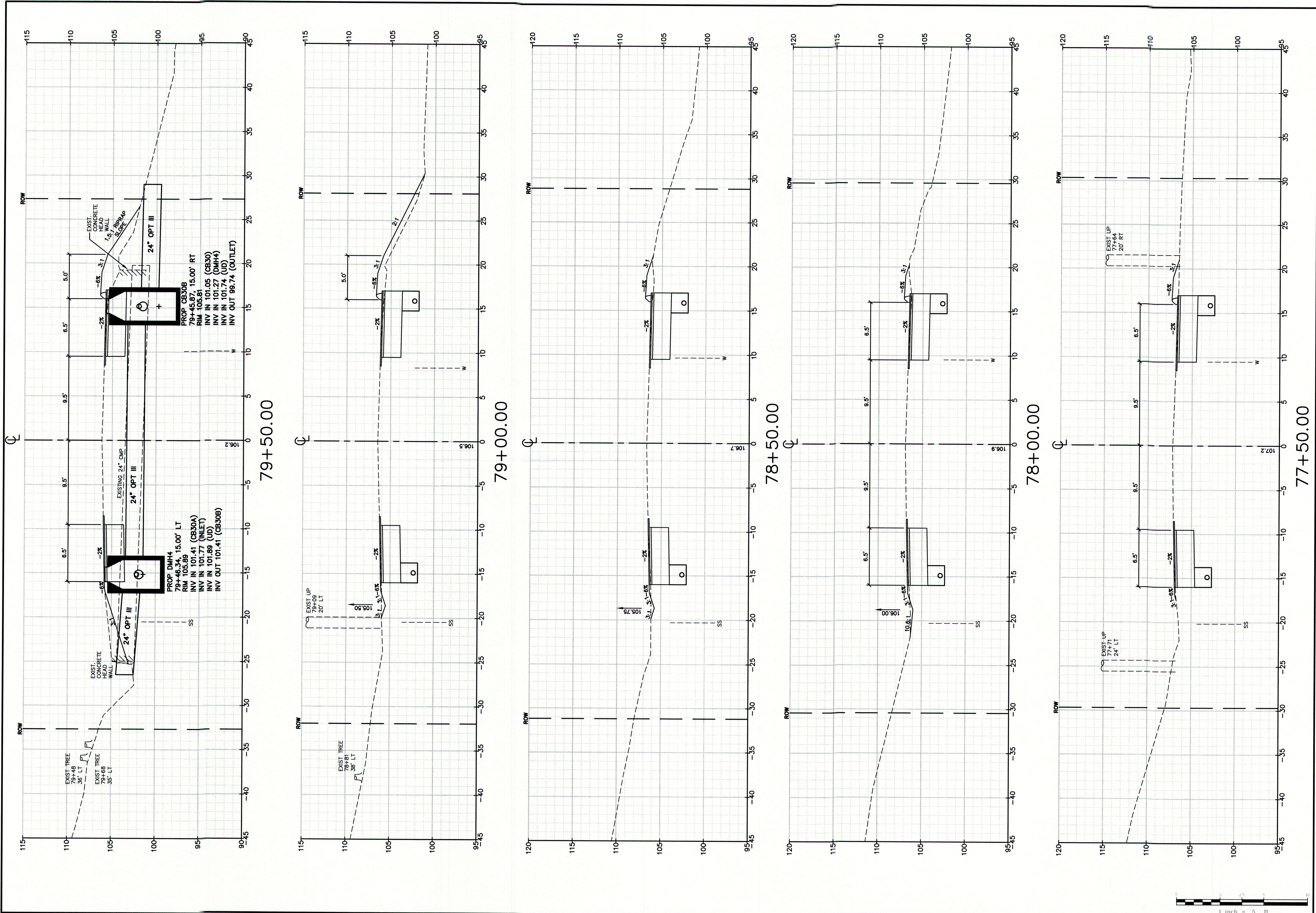
Gorrill-Palmer Consulting Engineers, Inc.

PO Box 1237 *Engineering Excellence Since 1998*

207-657-6910
FAX: 207-657-6912

Design: RJB	Draft: DB	Date: DEC 2009
Checked: RCN	Scale:	Job No.: 2239

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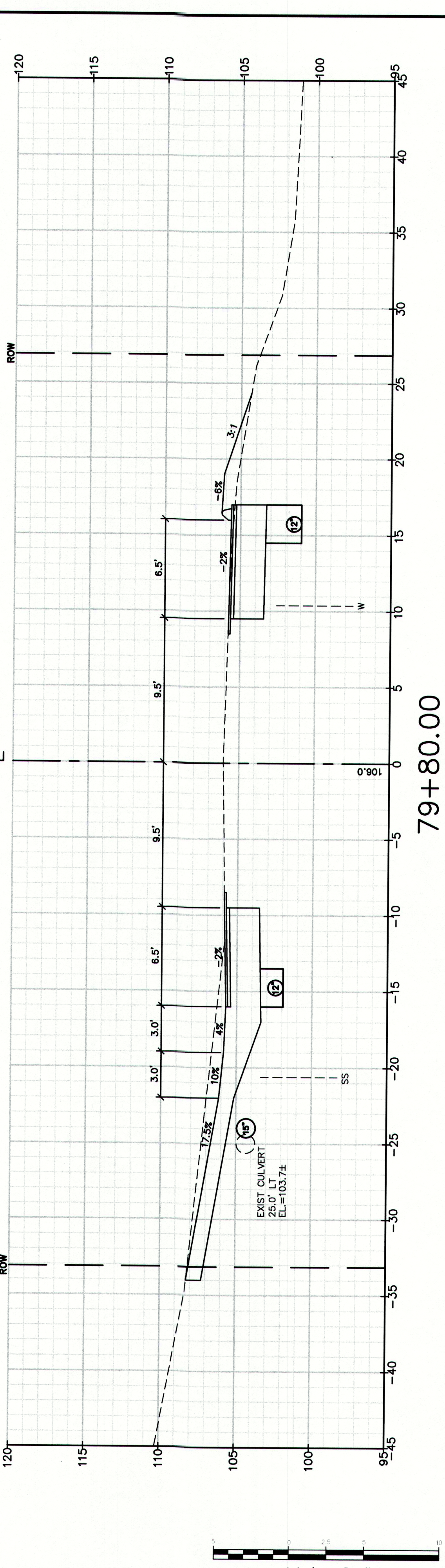
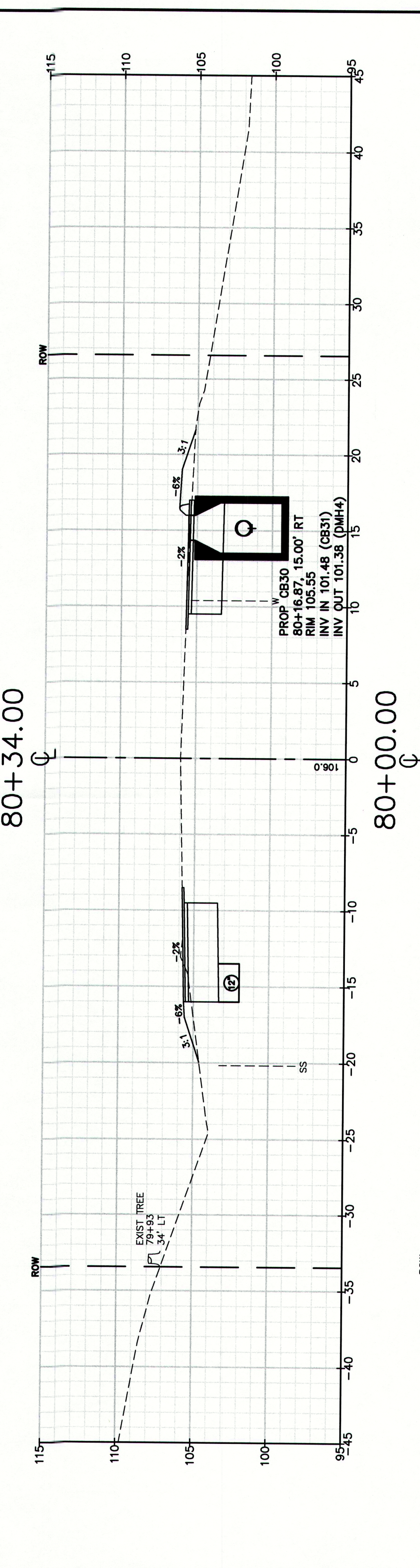
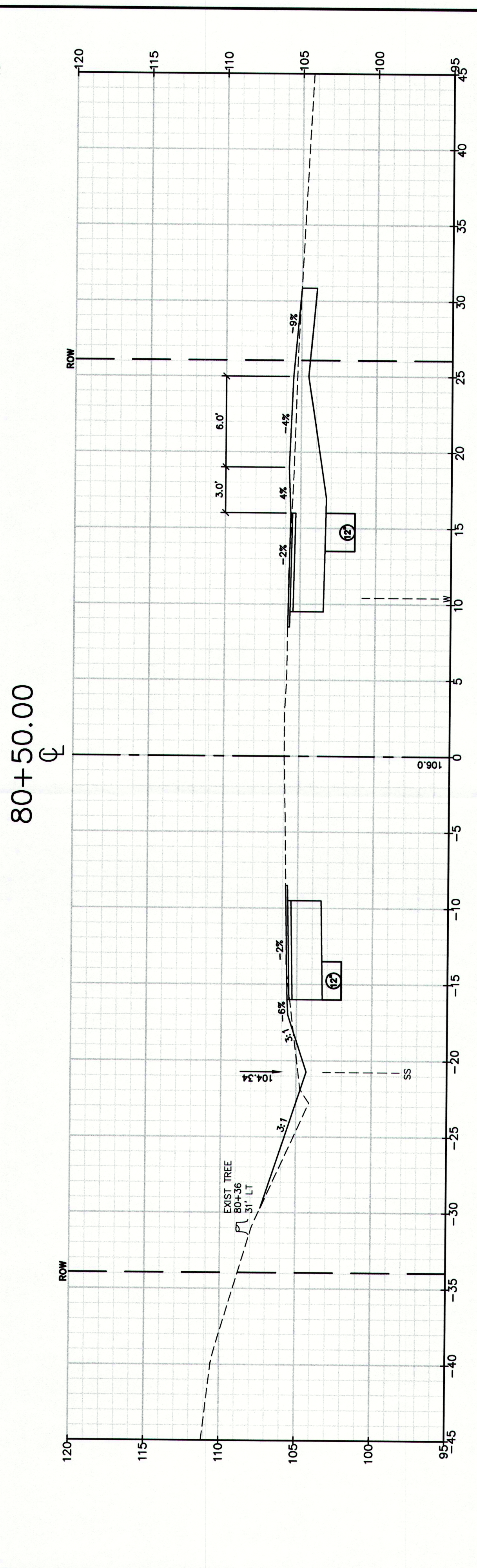
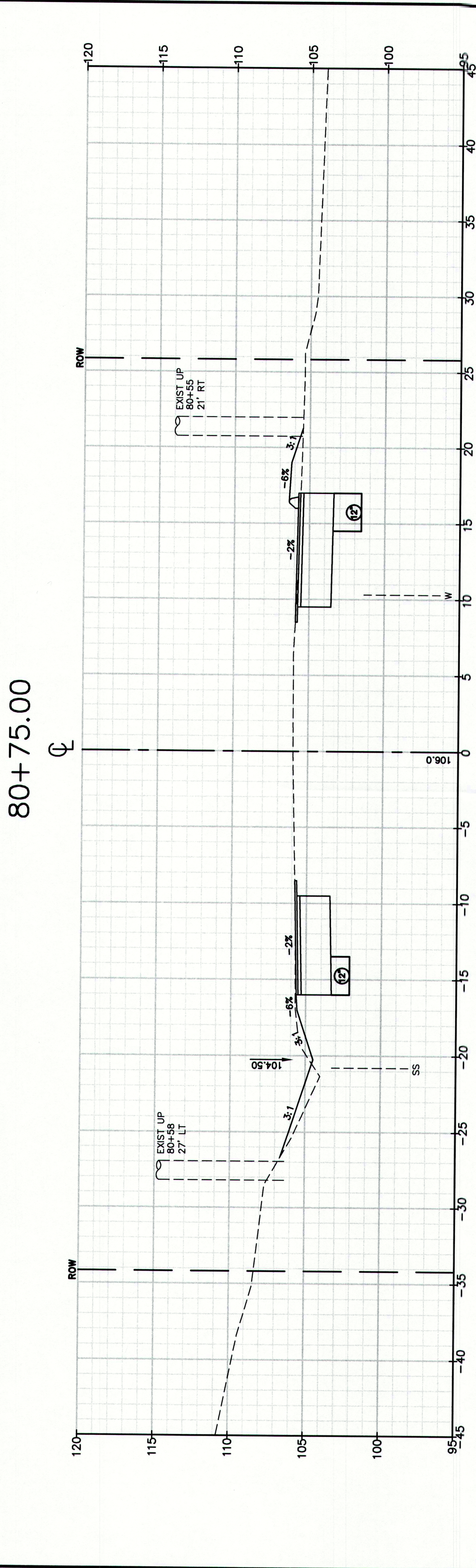


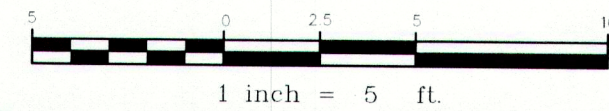
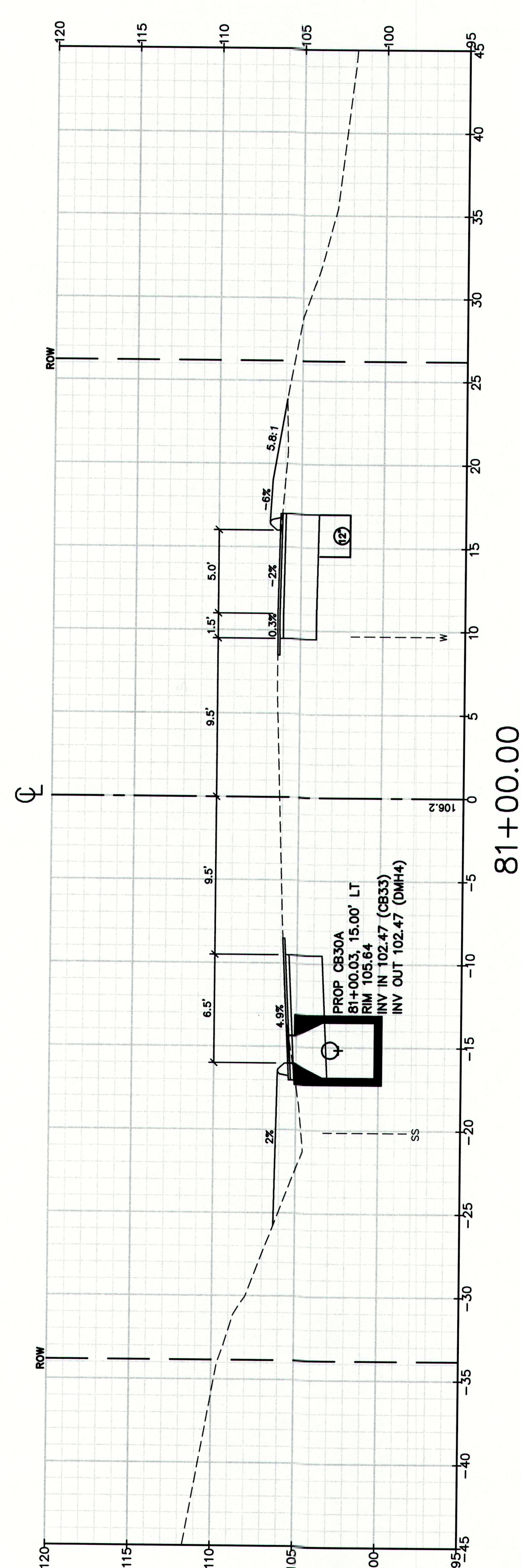
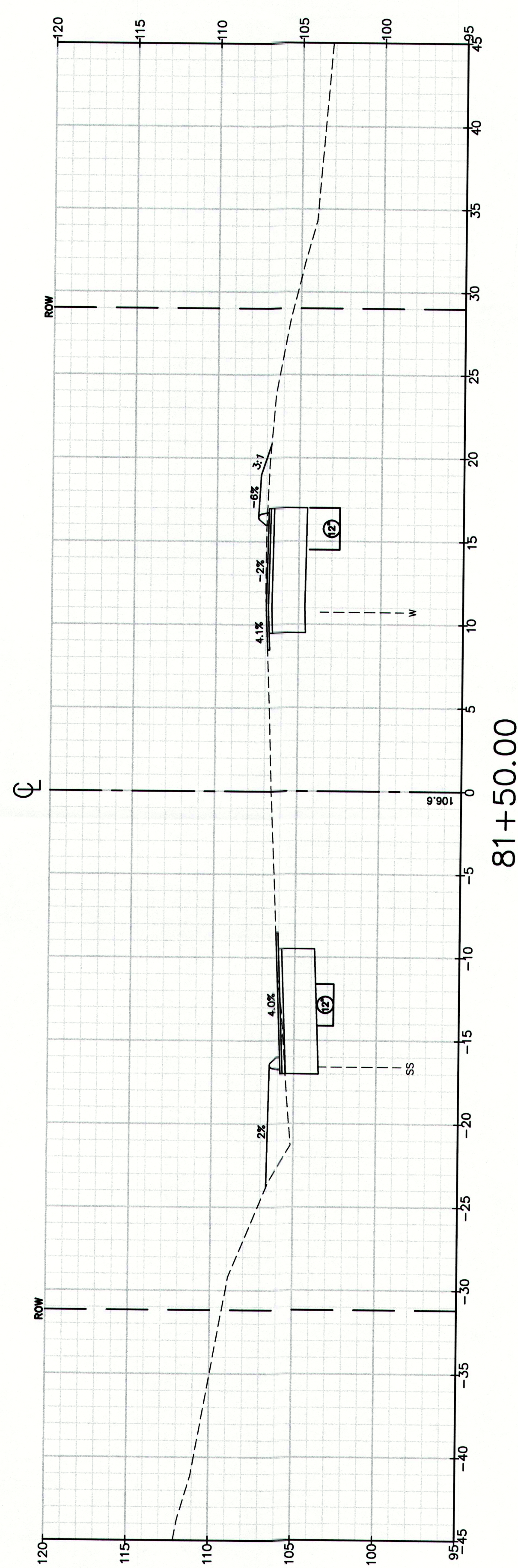
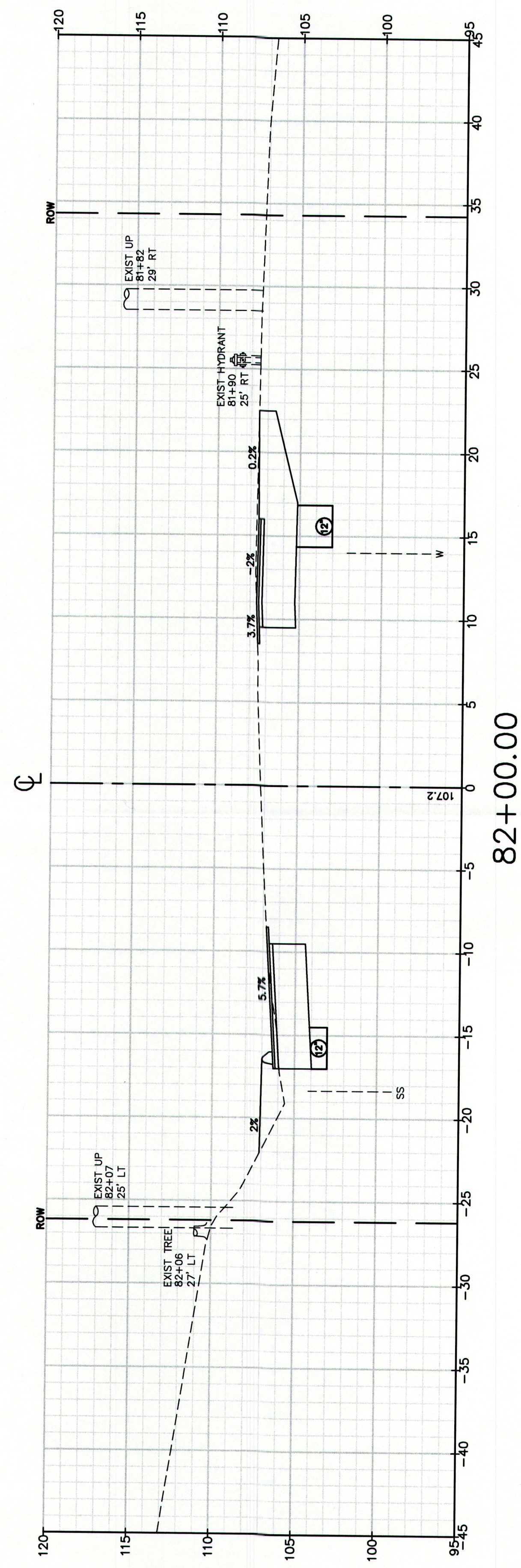
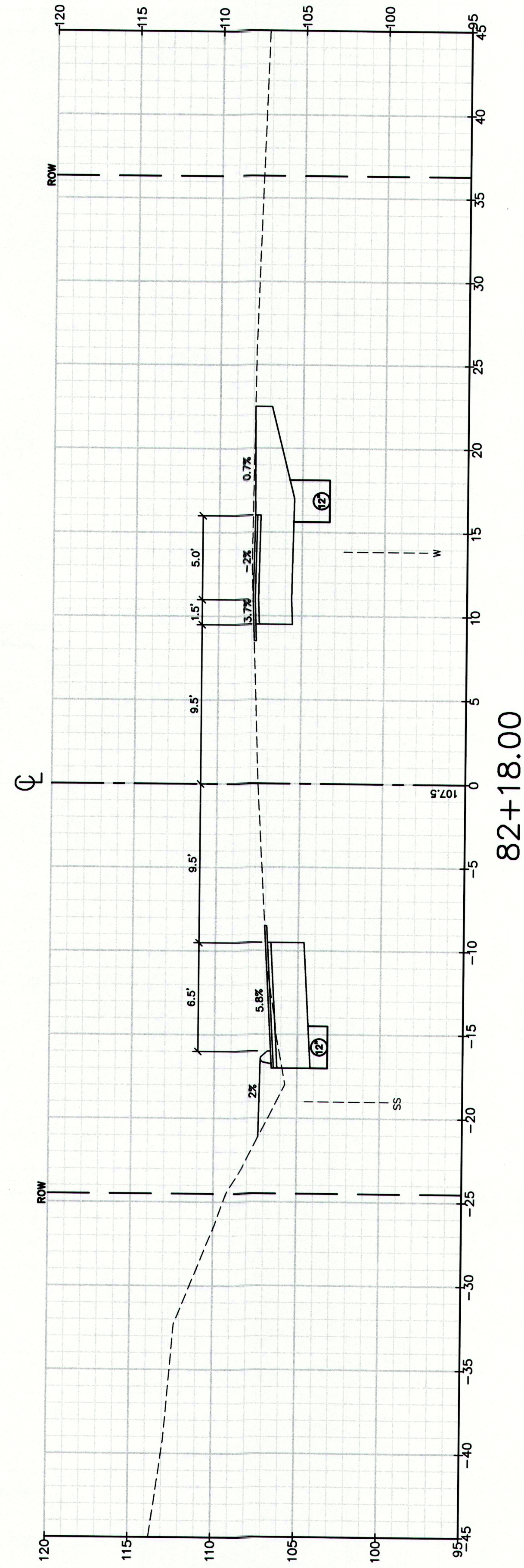
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Project: Route 88 & Tuttle Road Ramps		Job No.: 2239	
Client: Town of Cumberland		Scale:	
290 Tuttle Road, Cumberland, ME 04021		File Name: 2239_XSEC2.dwg	
Cumberland, Maine		This plan shall not be modified without written permission from Gorri-Palmer Consulting Engineers, Inc. (GPCE). Any alterations authorized or otherwise, shall be at the user's sole risk and without liability to GPCE.	

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Drawing No.
75

STA 77+50 TO STA 79+50





MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

77

Cross Sections

Route 88 & Tuttle Road Ramps
Cumberland, Maine

Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

Drawing Name:

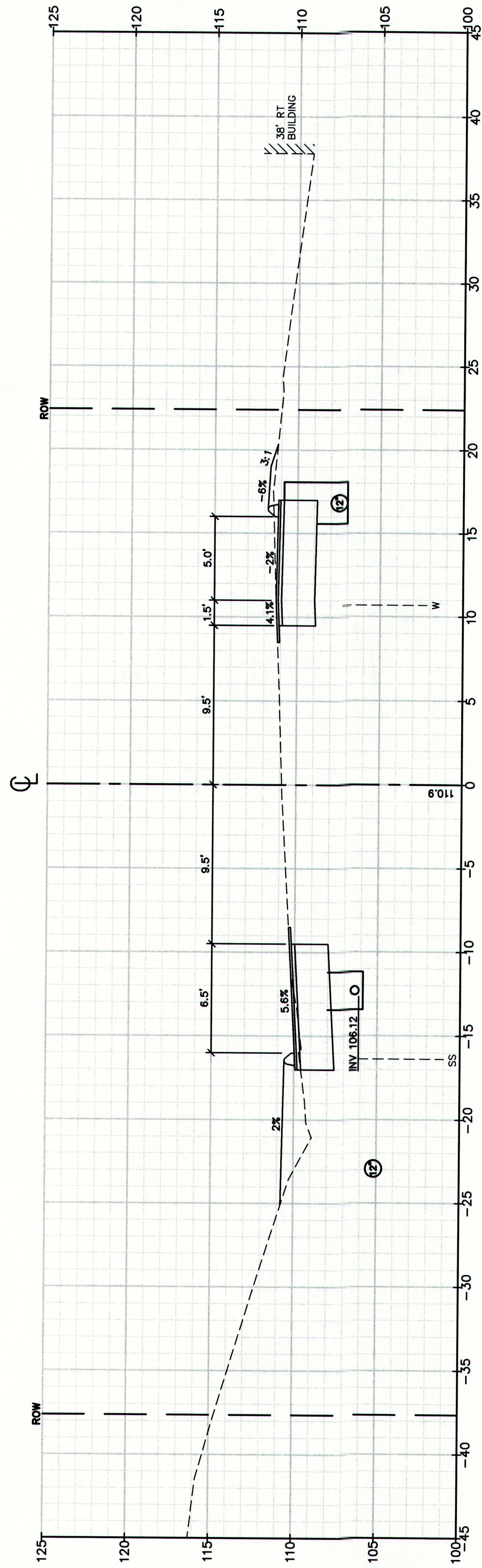
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Client:

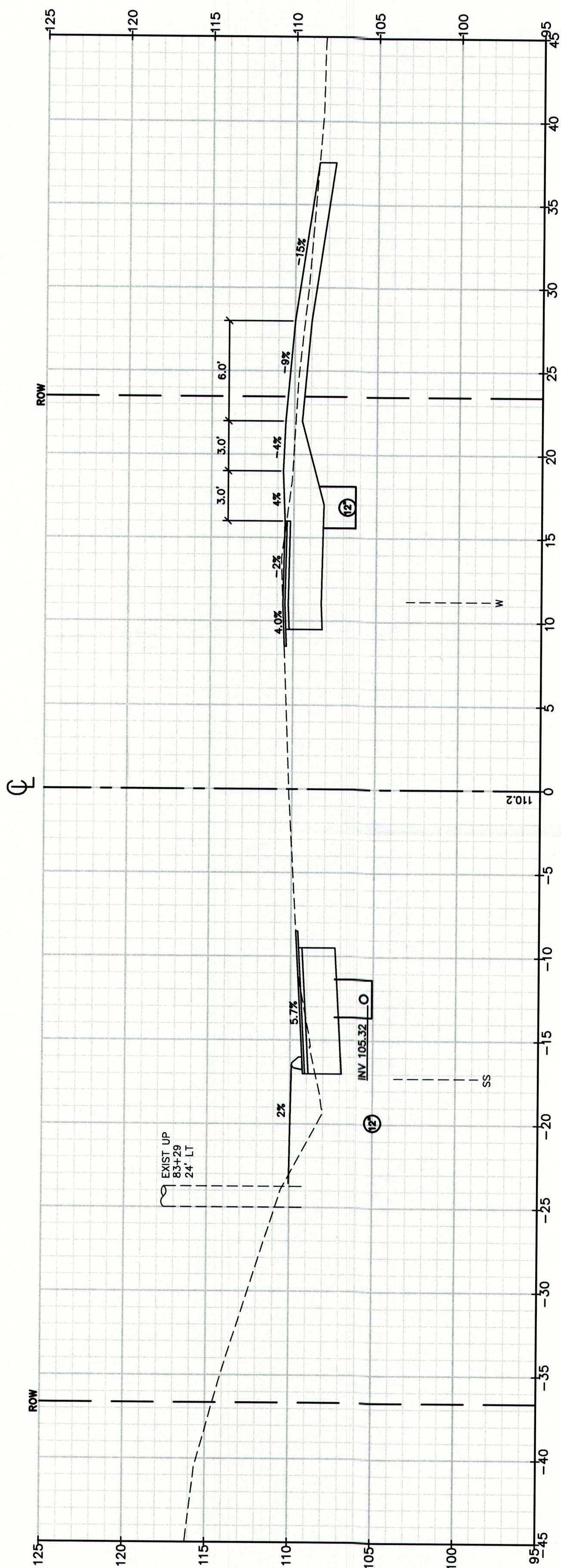
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PO Box 1237
15 Shaker Road
Gray, ME 04039

207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

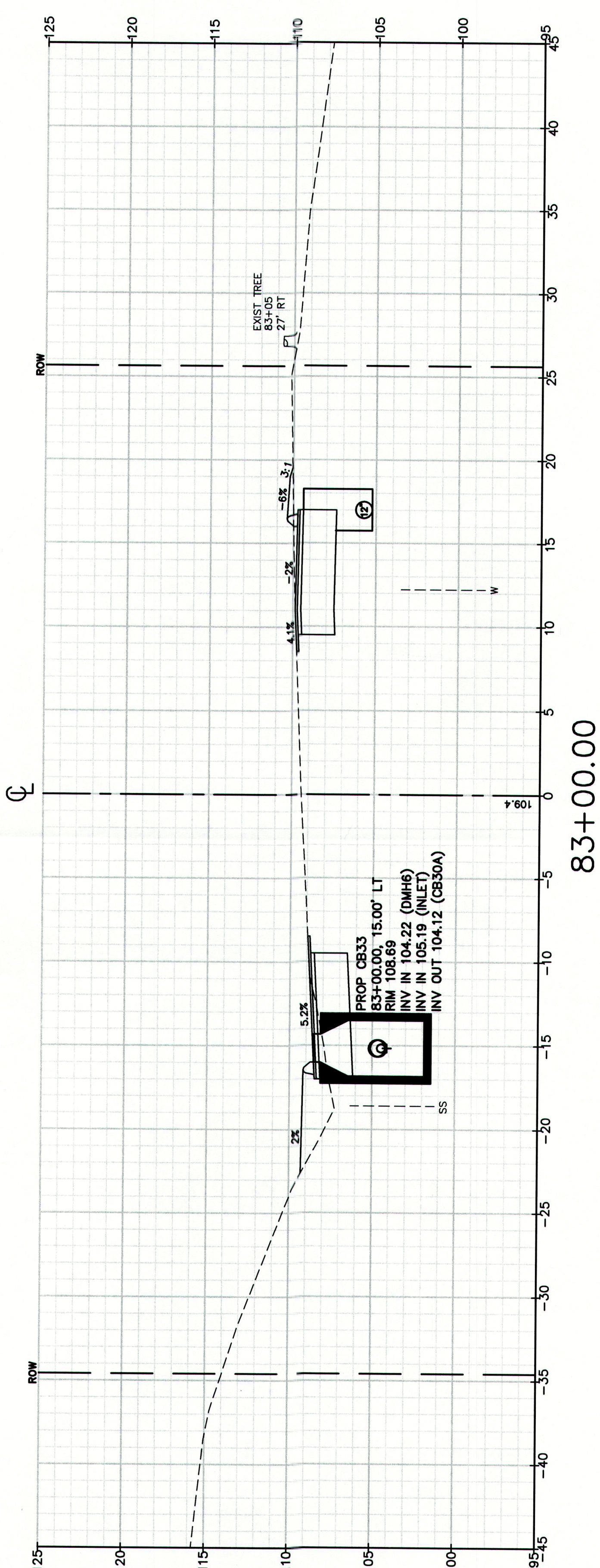
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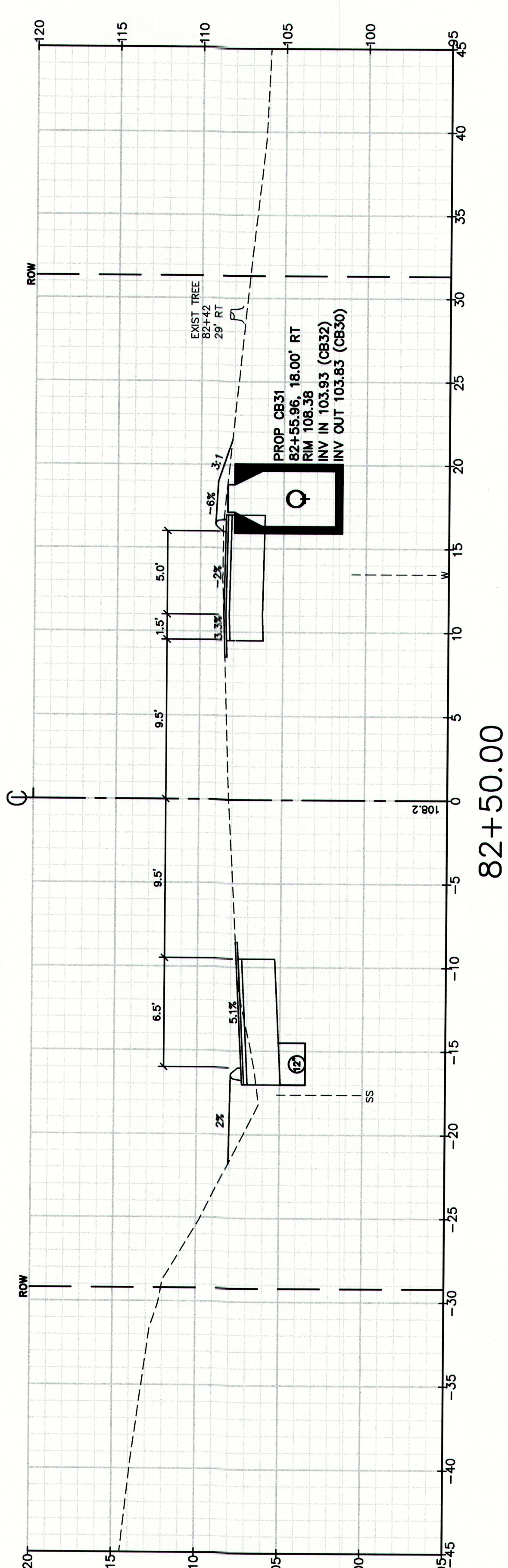
83+50.00



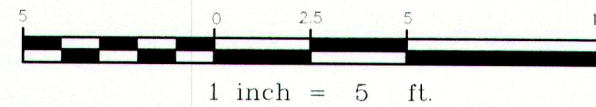
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83+00.00



82+50.00



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

78

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

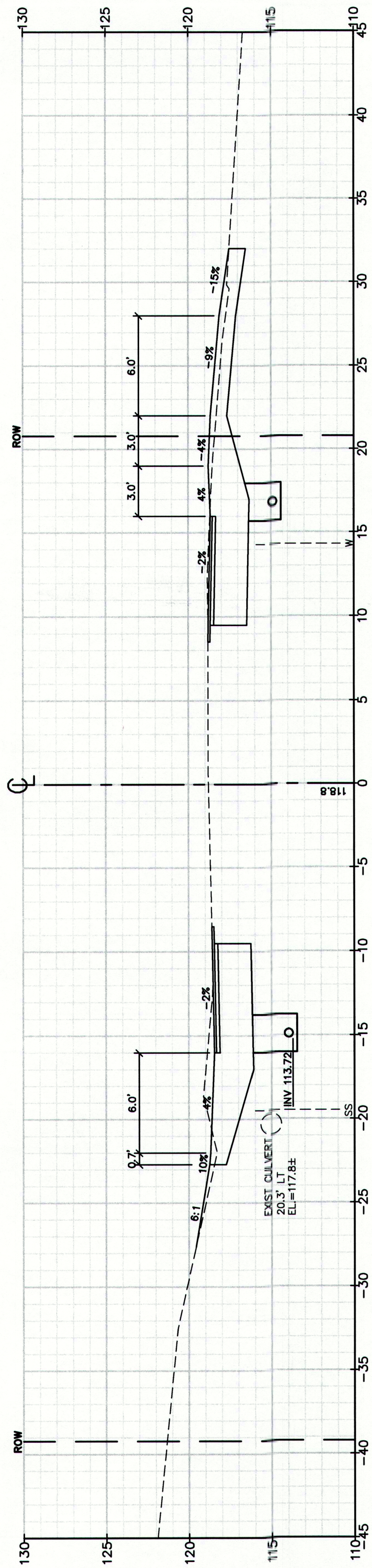
290 Tuttle Road, Cumberland, ME 04021

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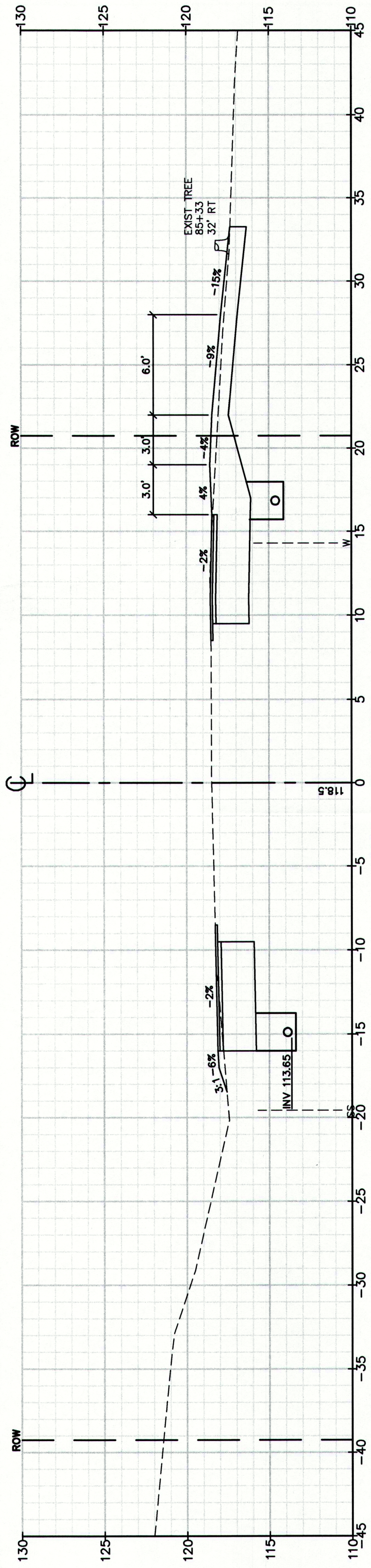
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P.O. Box 1237, Engineering Excellence Since 1998, 207-657-6910, 15 Shaker Road, FAX: 207-657-6912, Gray, ME 04039, E-Mail: malbox@gorrillpalmer.com

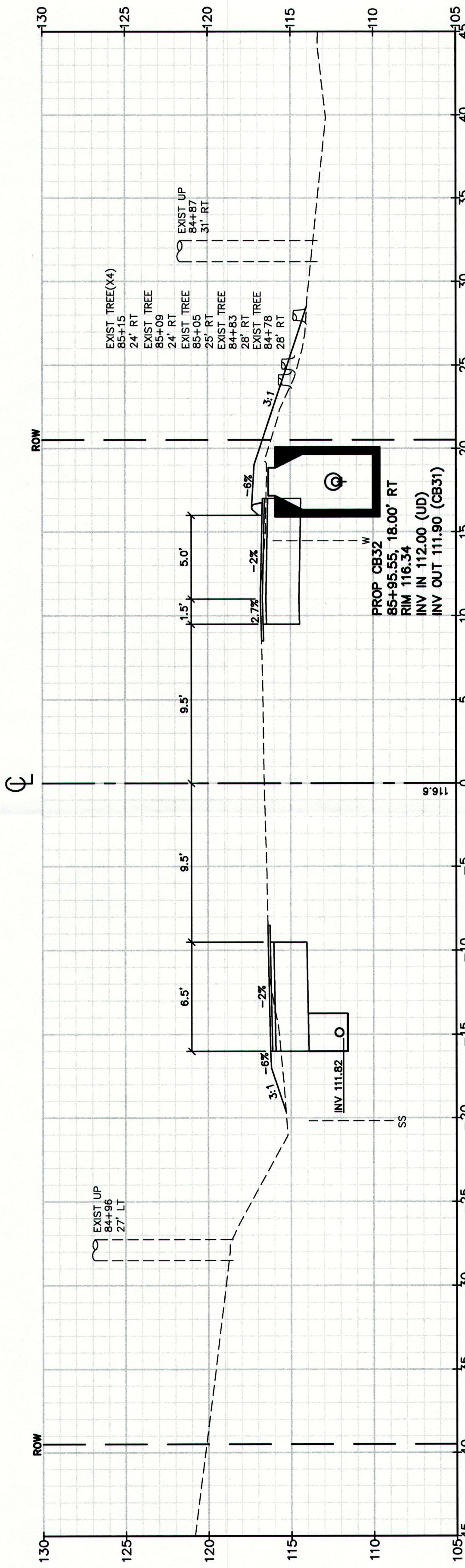
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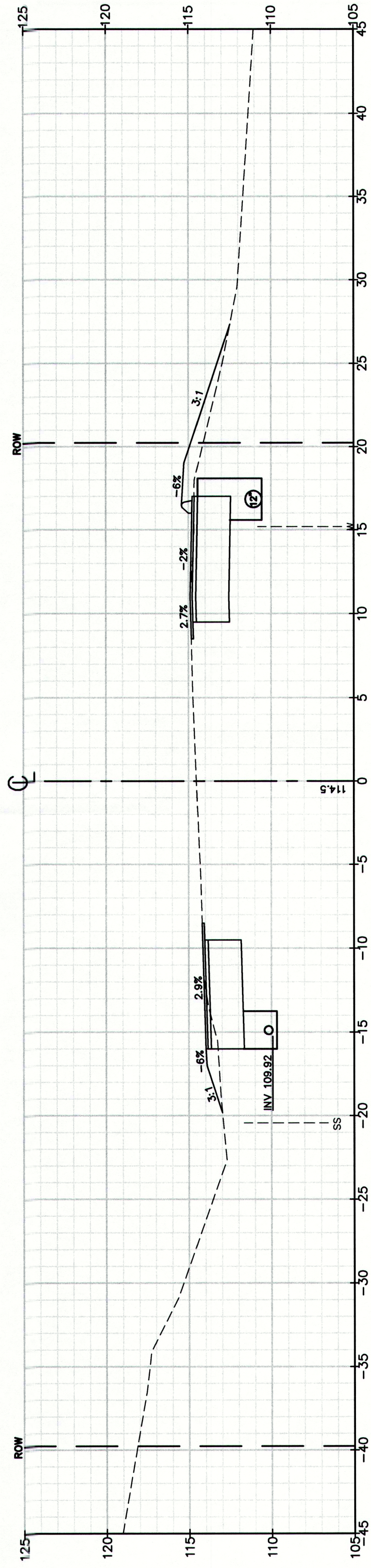
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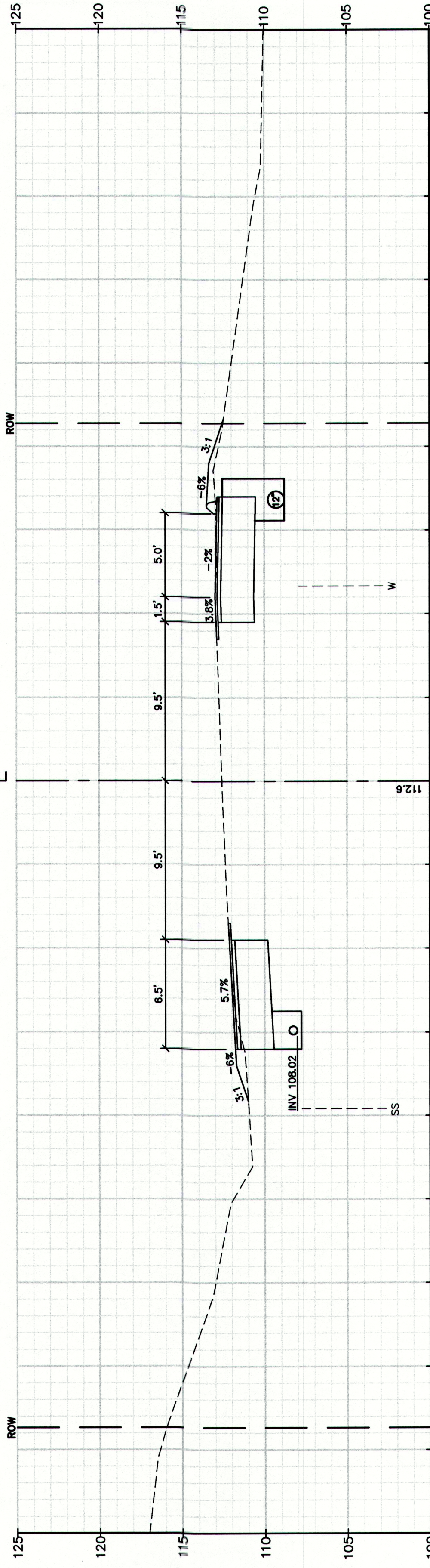
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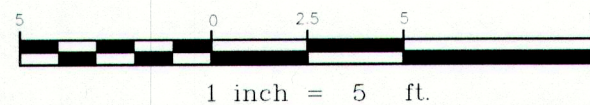
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84+50.00



84+00.00



Drawing Name:

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

Project:

Client:

Drawing No.

79

Cross Sections

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207-657-6910 207-657-6912

FAX: 207-657-6912 E-Mail: mail@gorrillpalmer.com

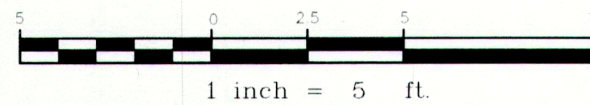
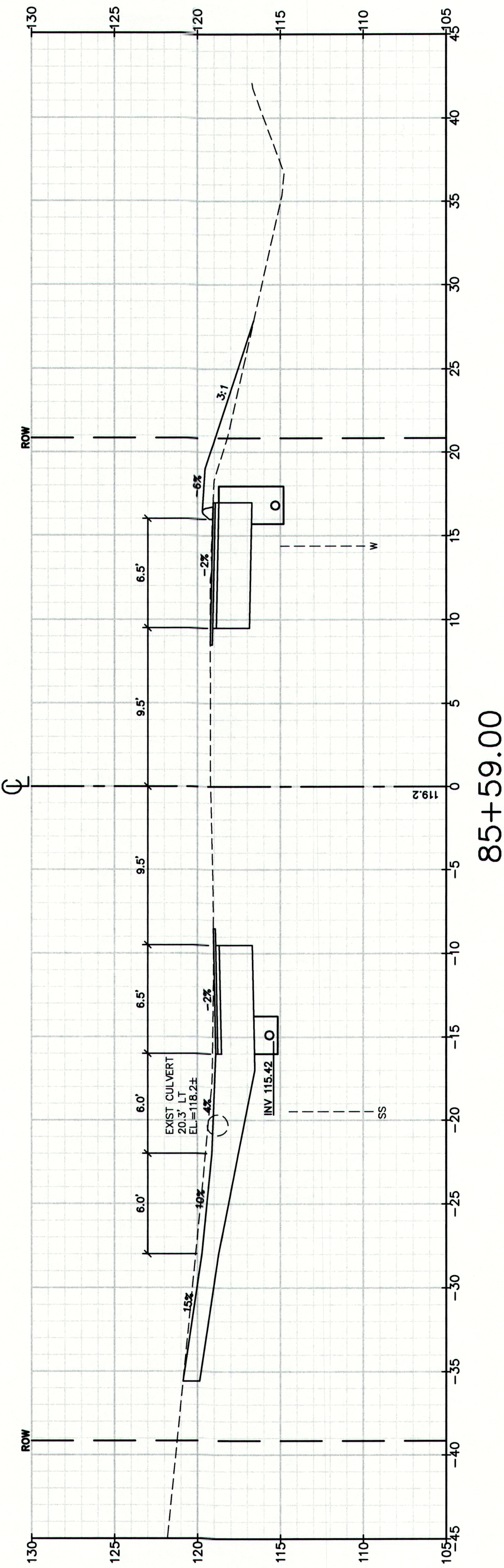
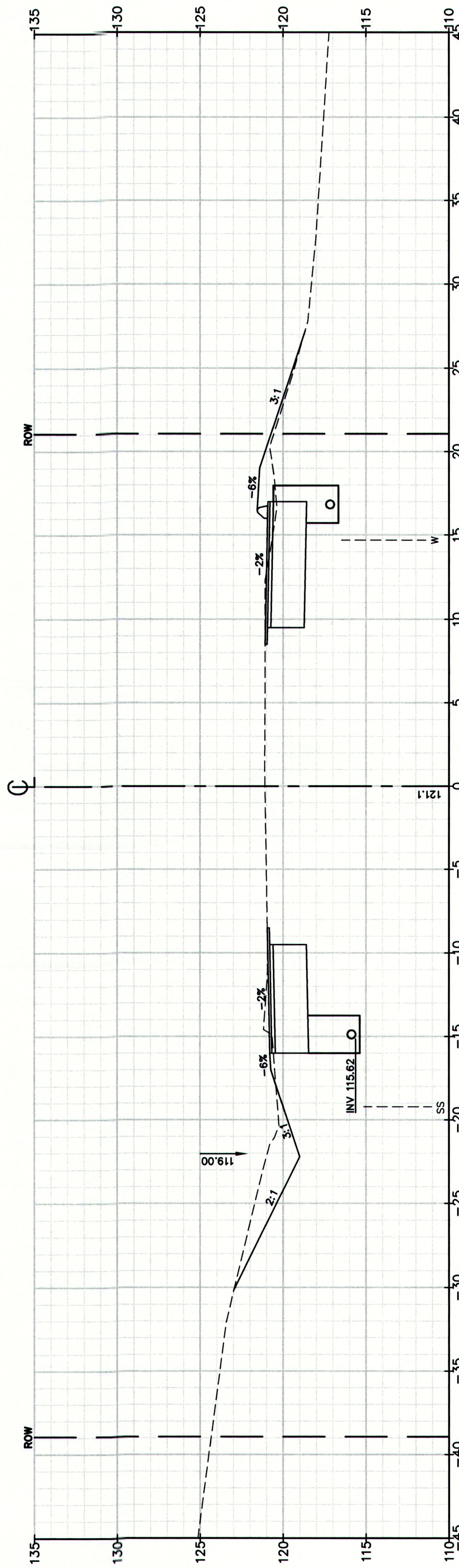
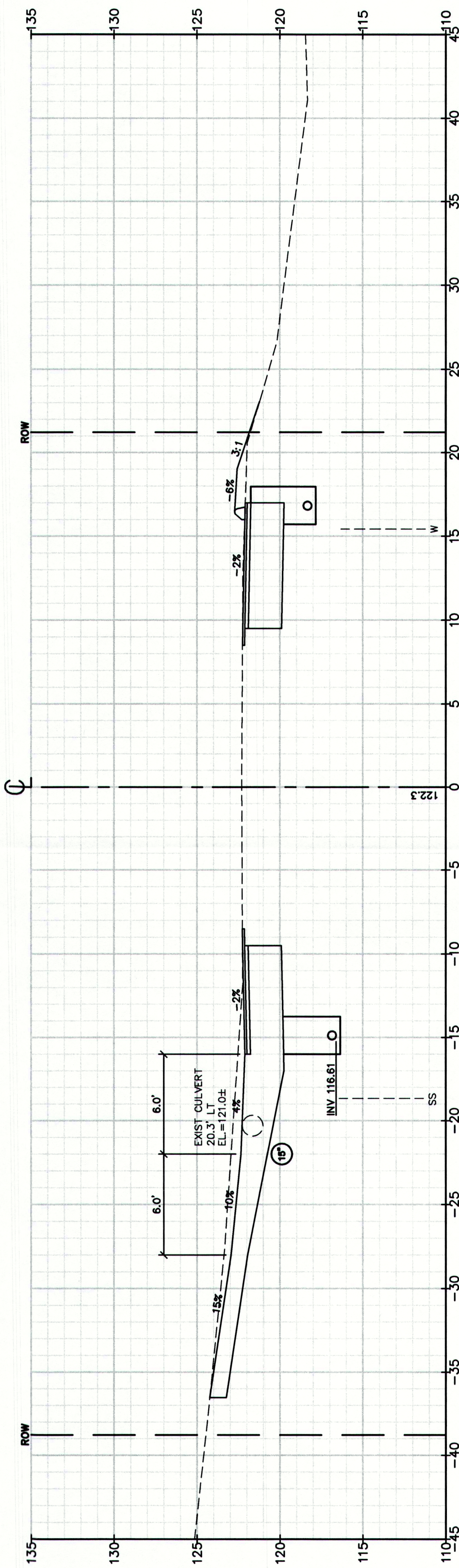
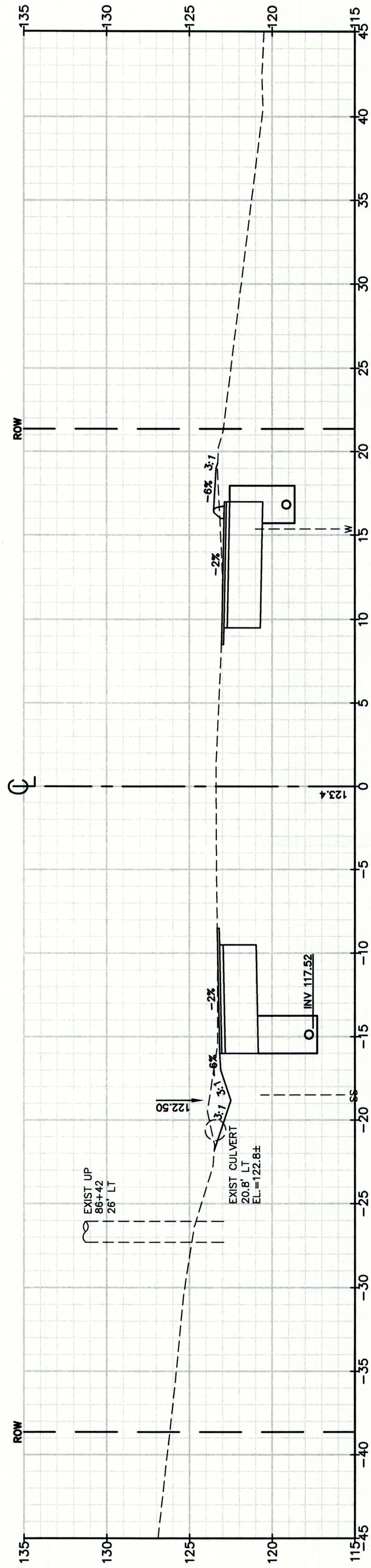
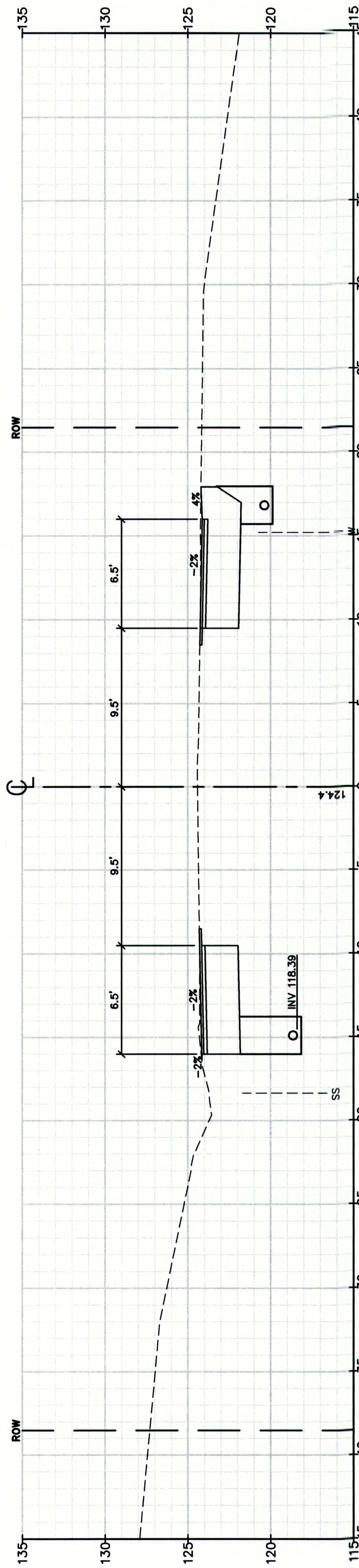
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Design: RJB Checked: RJB Date: DEC 2009

Draft: DB Scale: Job No: 2239

File Name: 2239_XSEC2.dwg



MAINEDOT PIN

CUMBERLAND, ROUTE 88

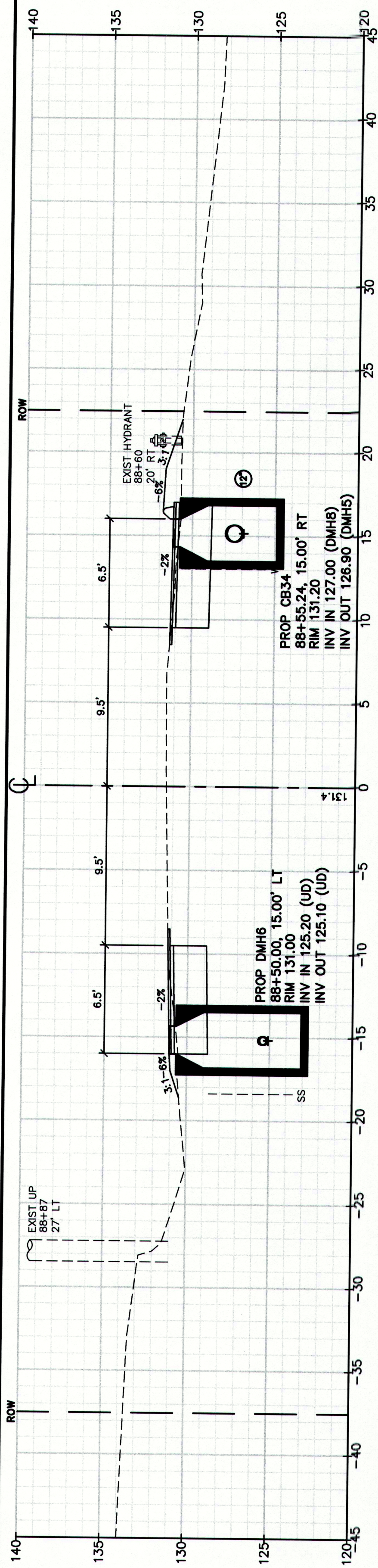
Drawing No.
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Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

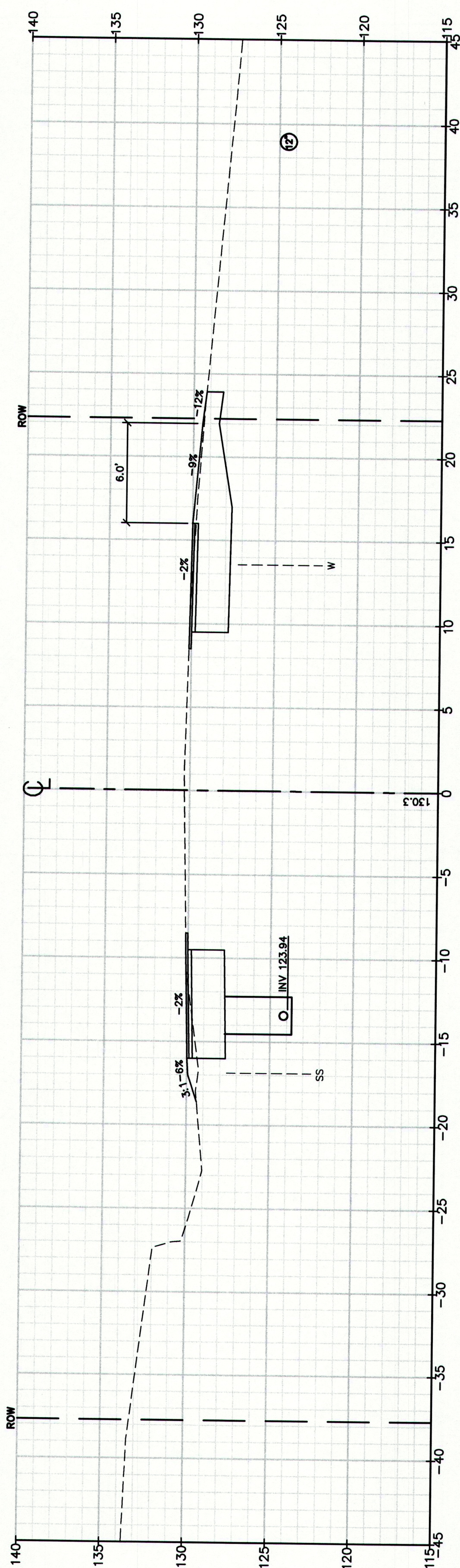
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Gray, ME 04039
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Design: RJB
Checked: RCN
File Name: 2239_XSEC02.dwg
Date: DEC 2009
Draft: DB
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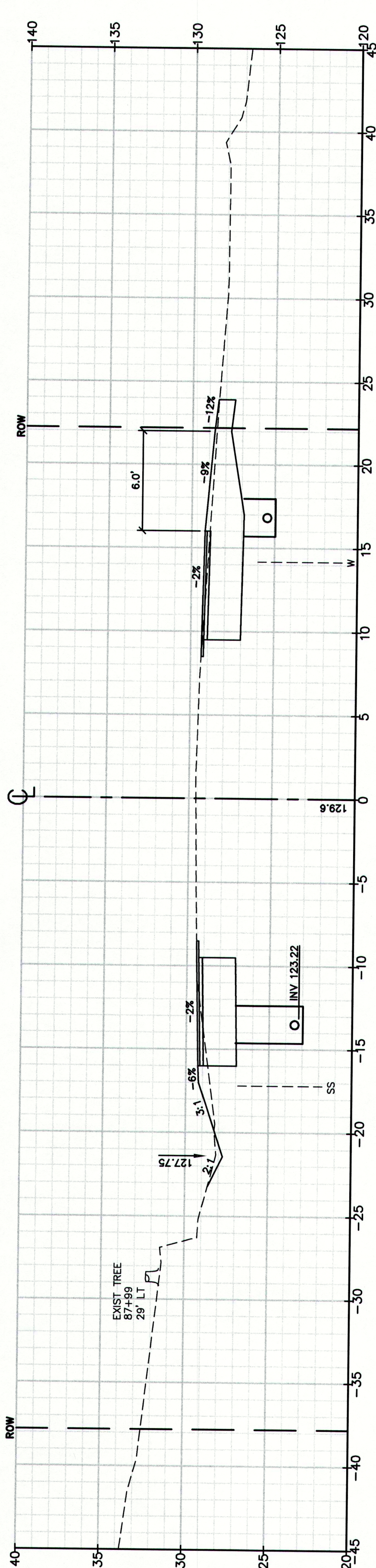
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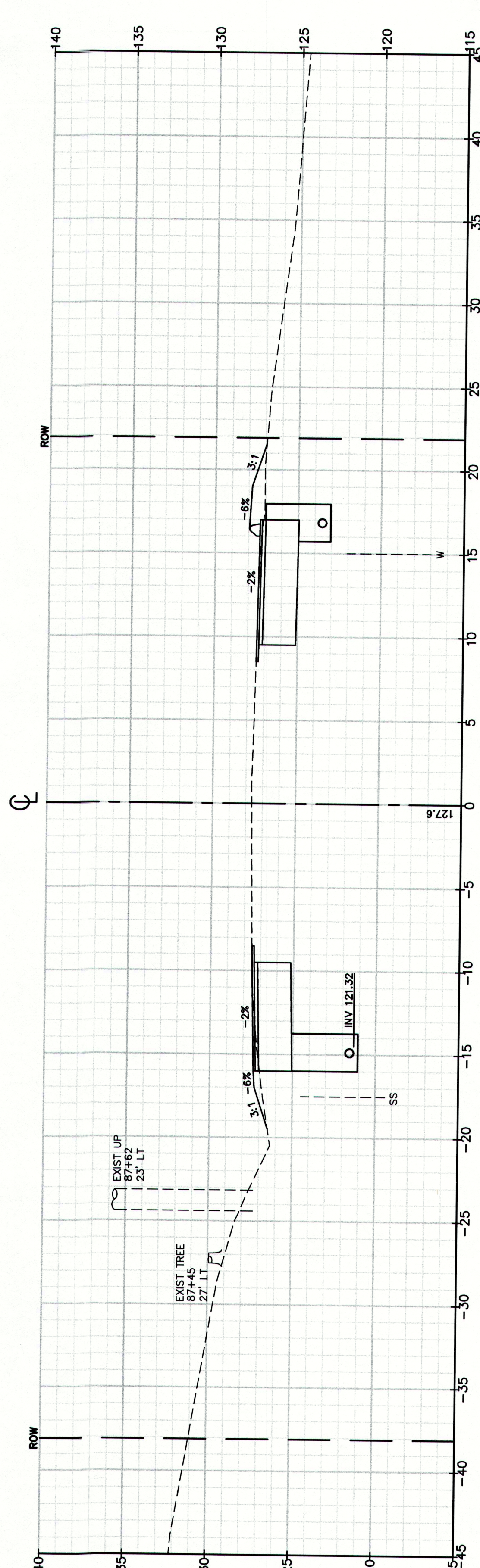
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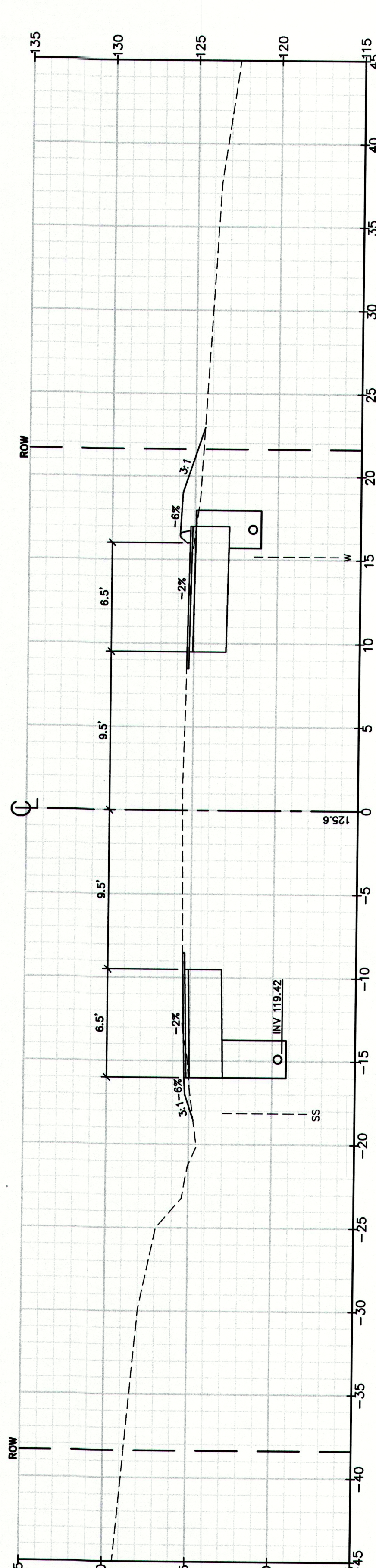
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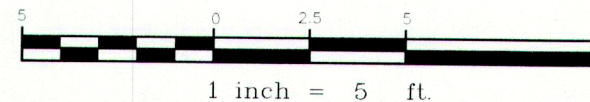
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87+50.00



87+00.00



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

81

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

STA 87+00 TO STA 88+50

Drawing Name:

Project:

Client:

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

STA 87+00 TO STA 88+50

Drawing Name:

Project:

Client:

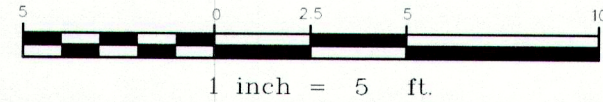
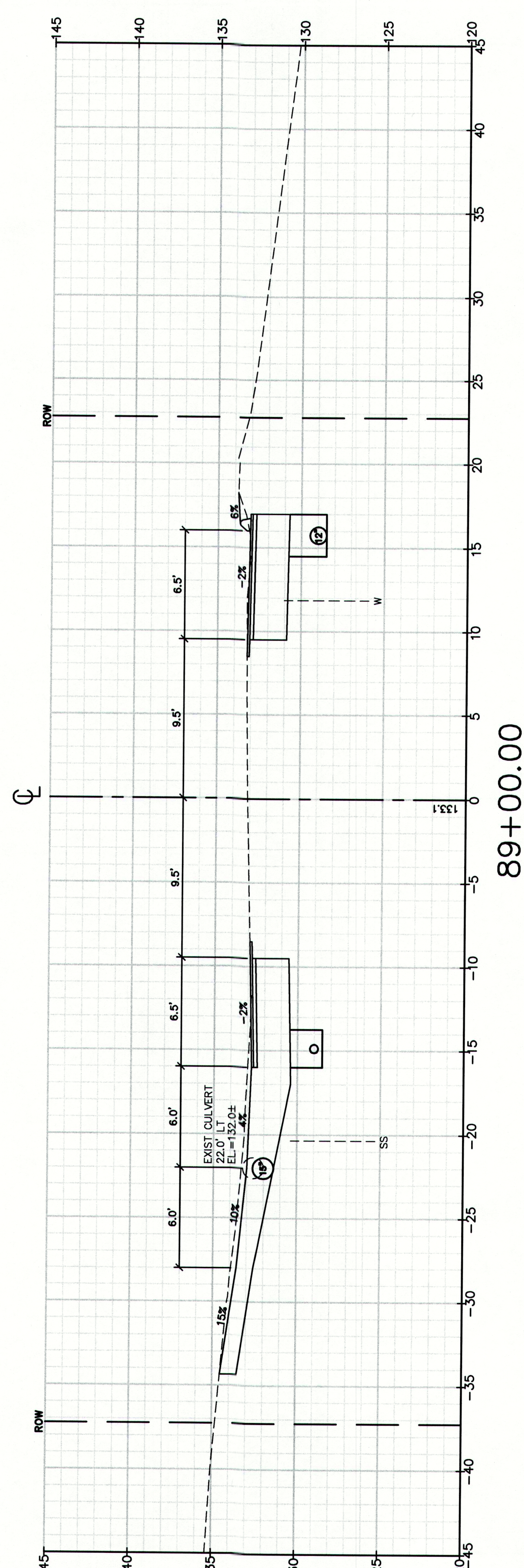
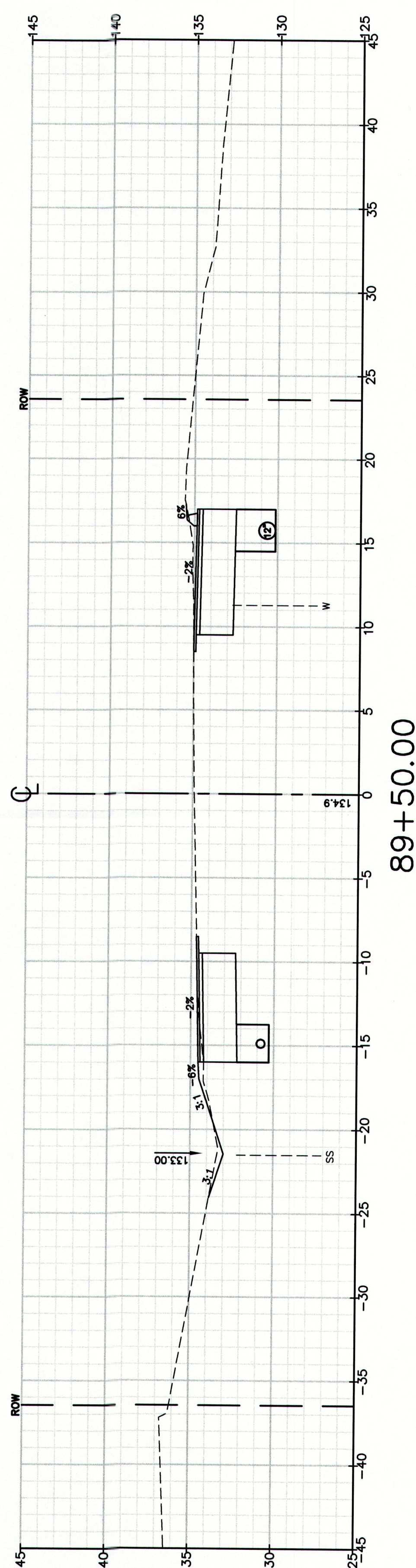
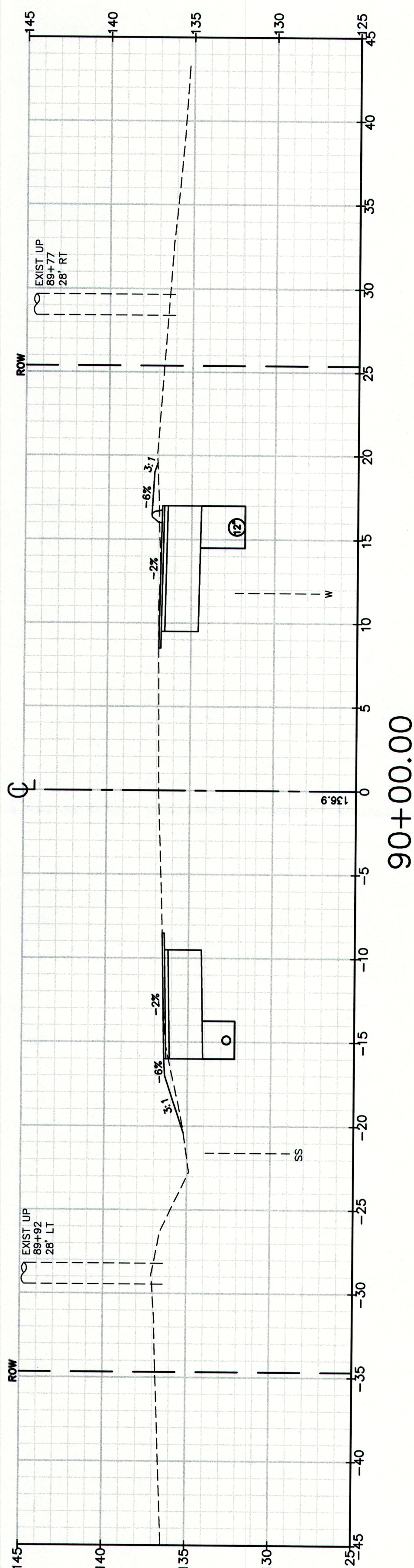
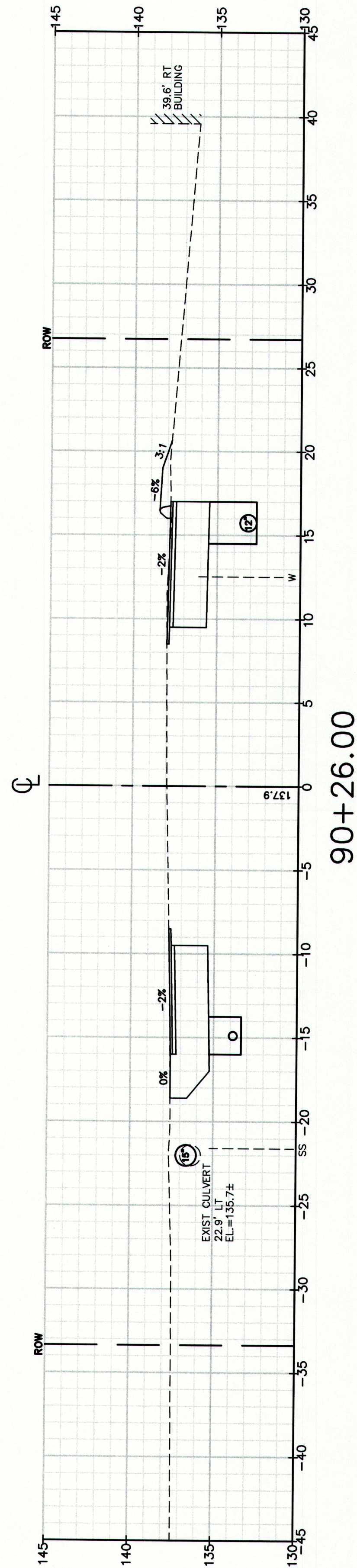
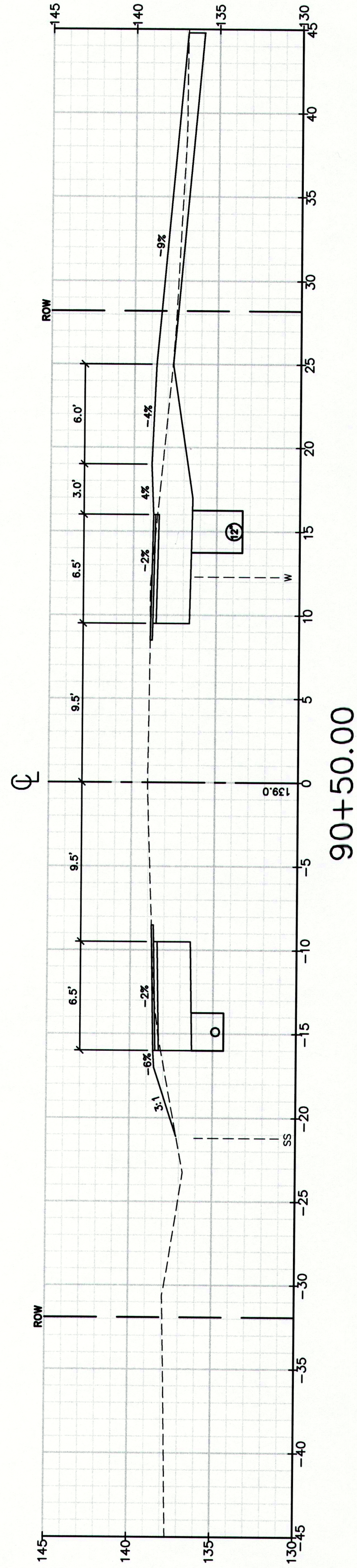
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207-657-6912
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Design: RUB
Checked: RON
File Name: 2239_XSEC2.dwg
Draft: DB
Scale:
Job No: 2239
Date: DEC 2009

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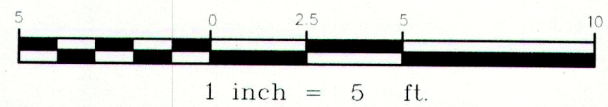
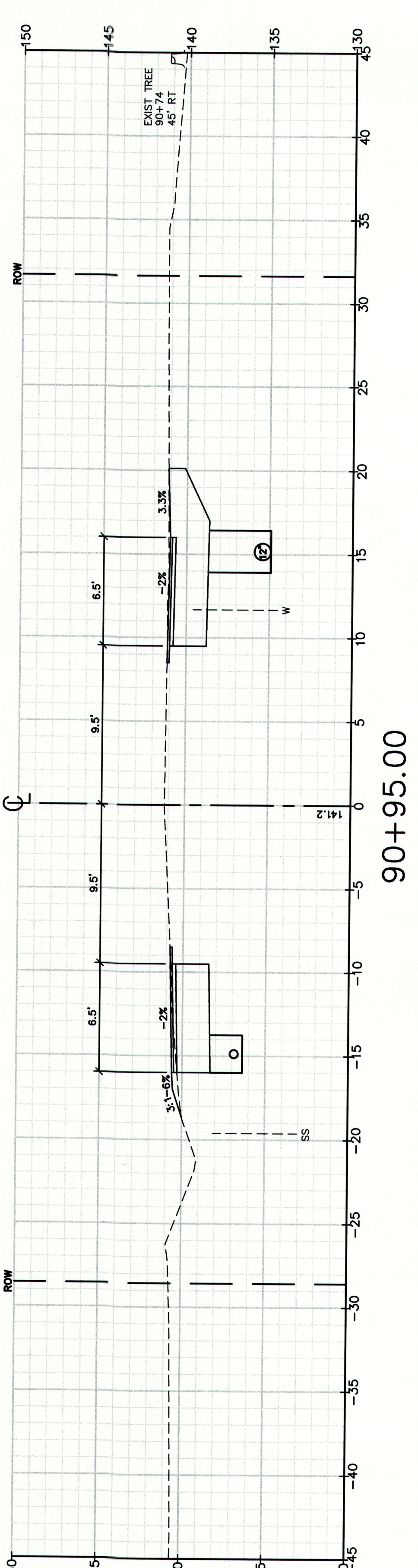
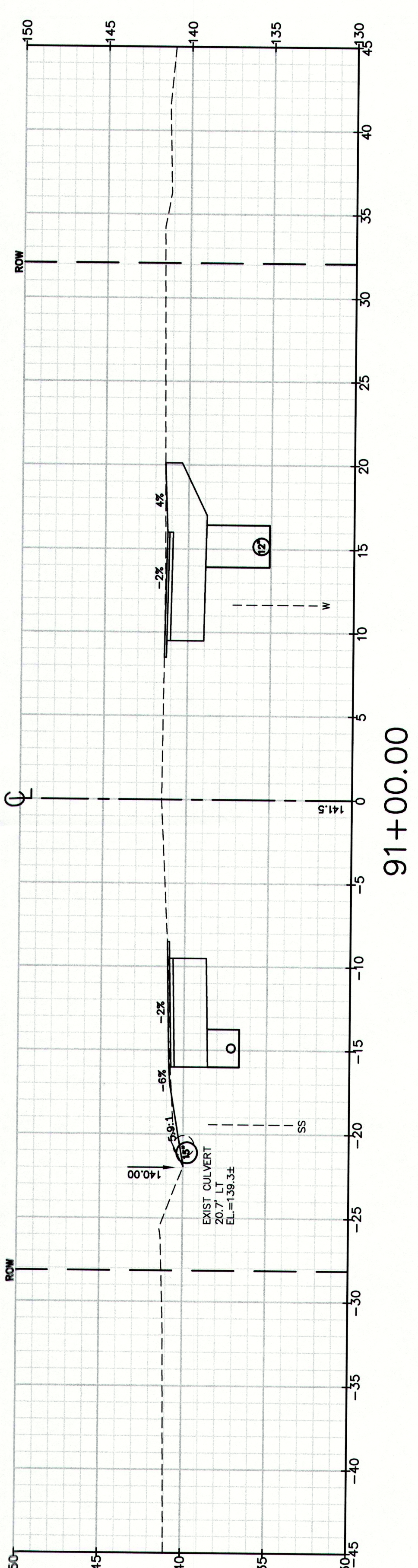
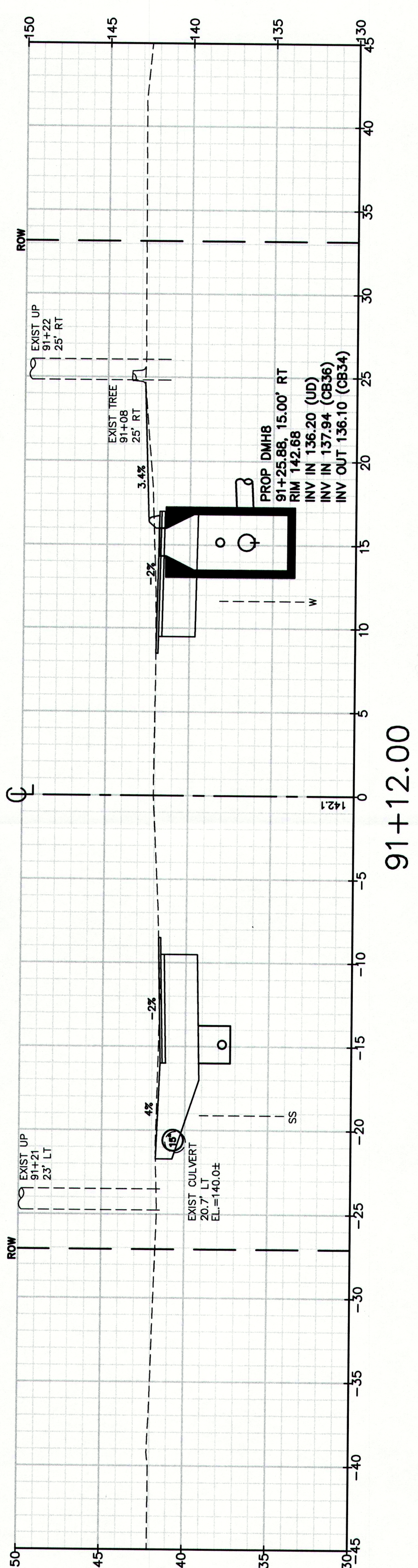
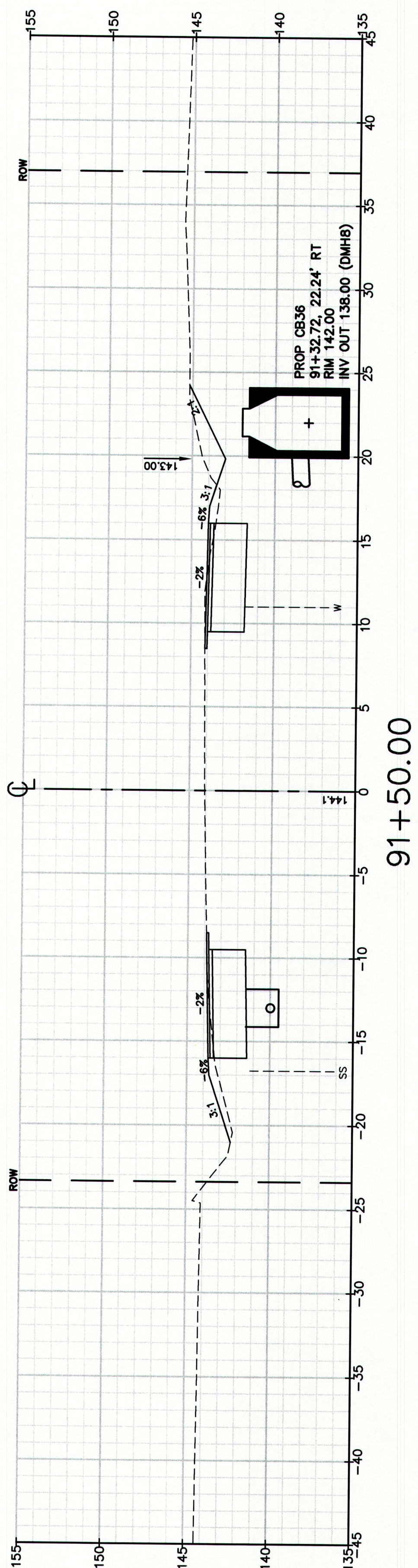
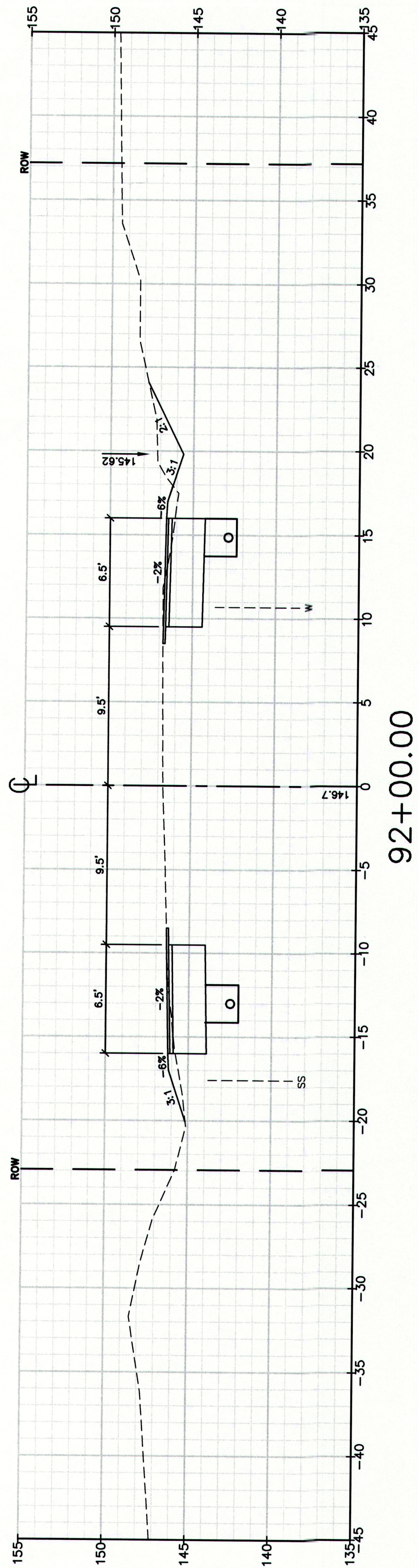
CUMBERLAND, ROUTE 88

Drawing No.
82

Cross Sections
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

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FAX: 207-657-6912
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Design: RUB
Checked: RCB
File Name: 2239_XSEC2.dwg
Date: DEC 2009
Job No.: 2239
Scale:
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CUMBERLAND, ROUTE 88

Drawing Name:

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

Drawing No.

83

STA 90+95 TO STA 92+00

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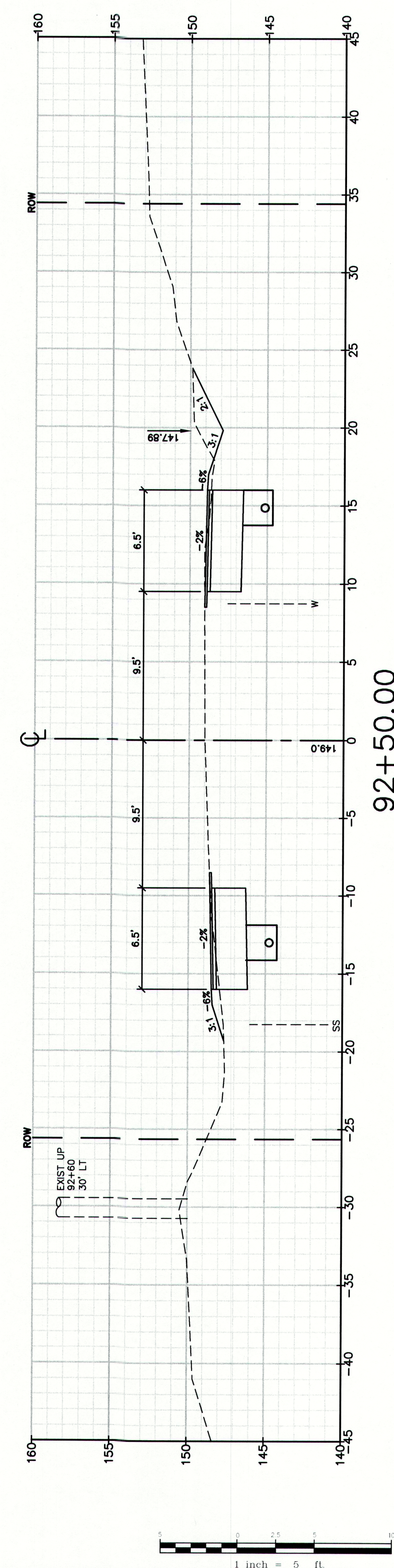
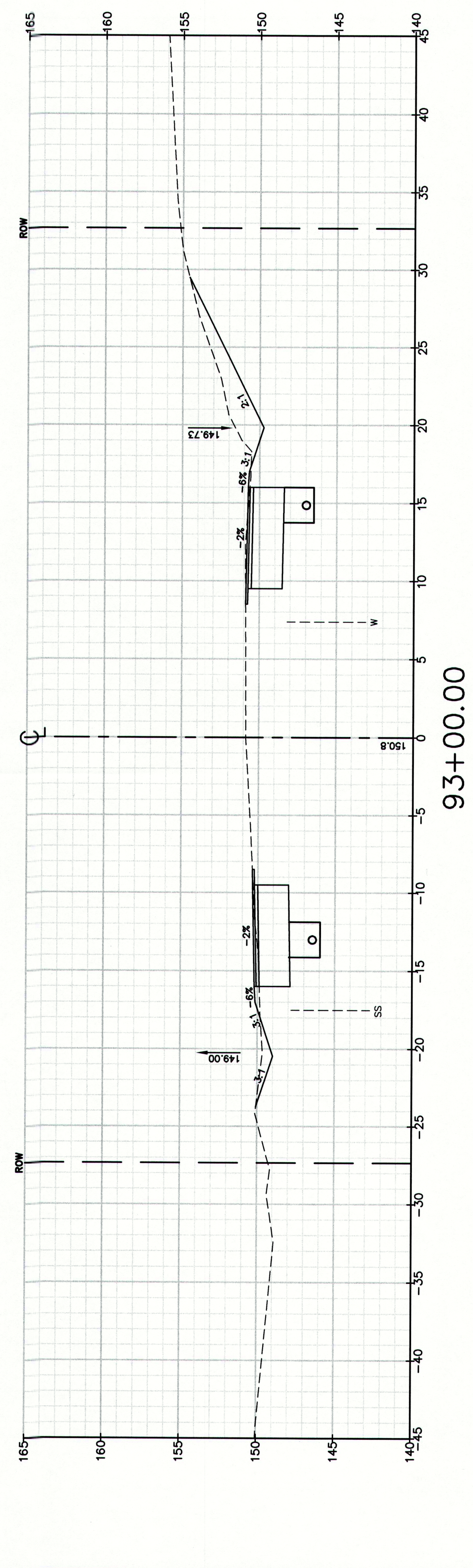
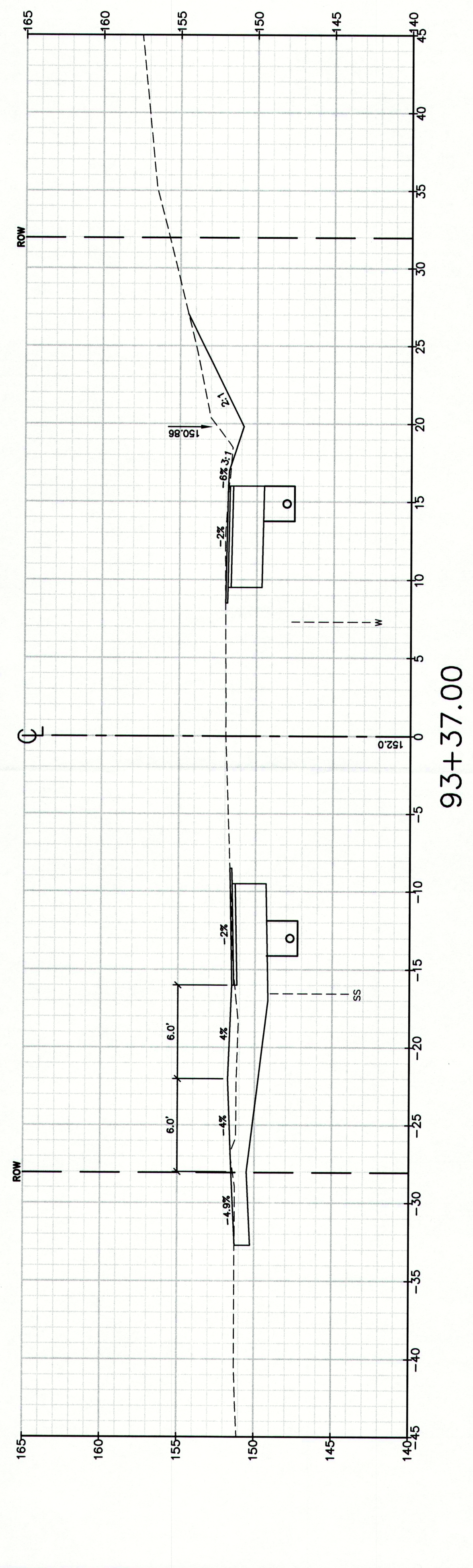
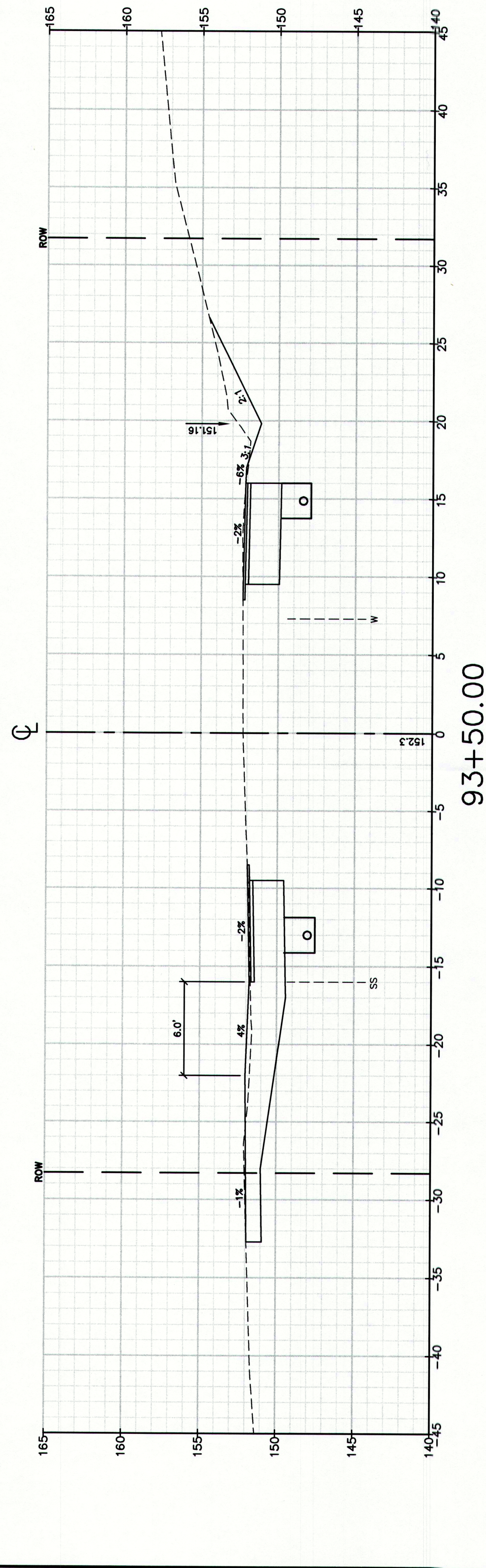
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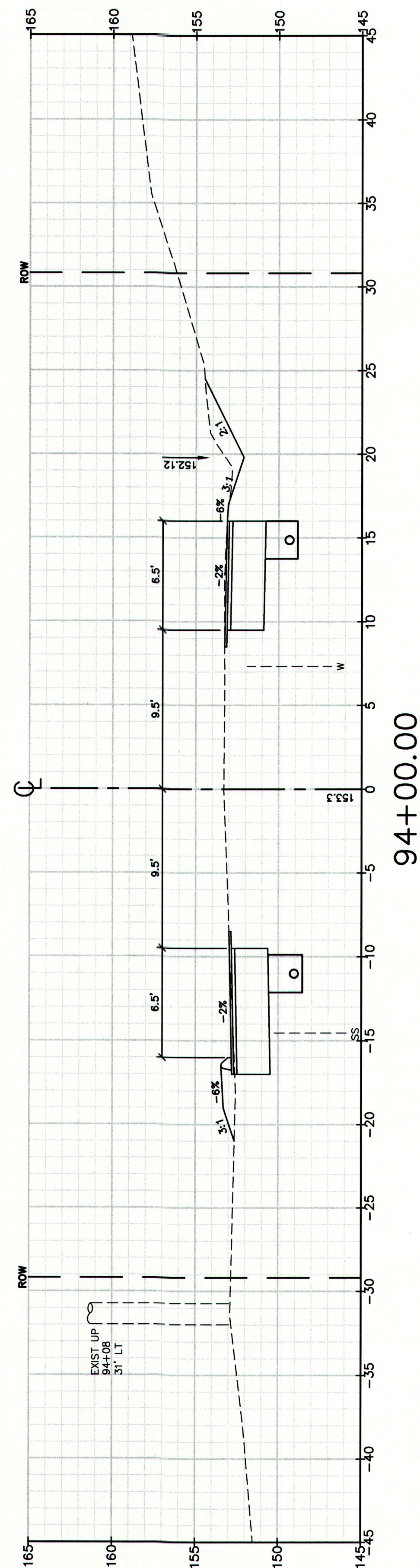
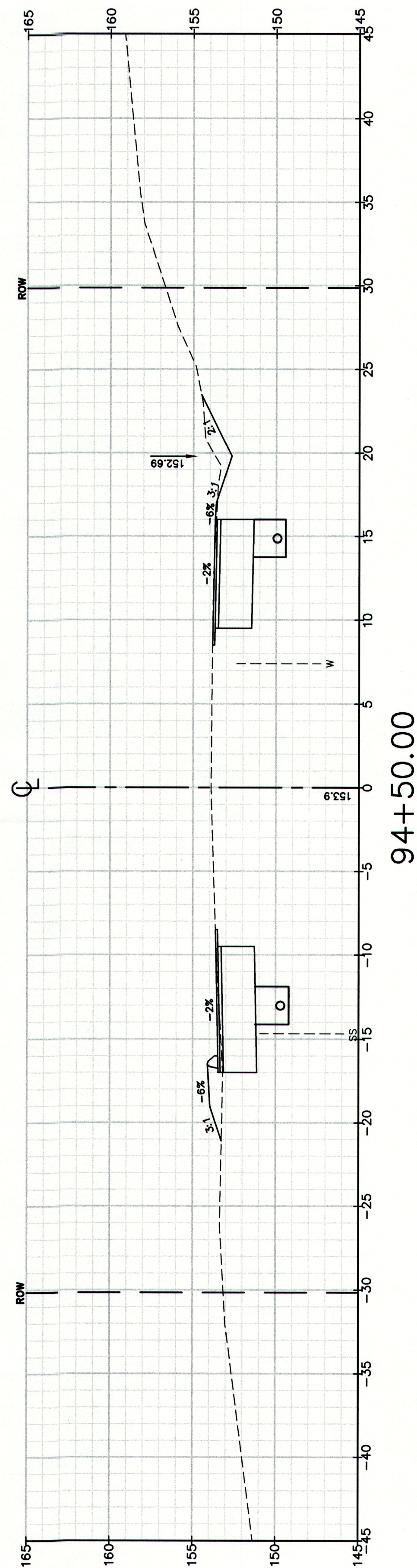
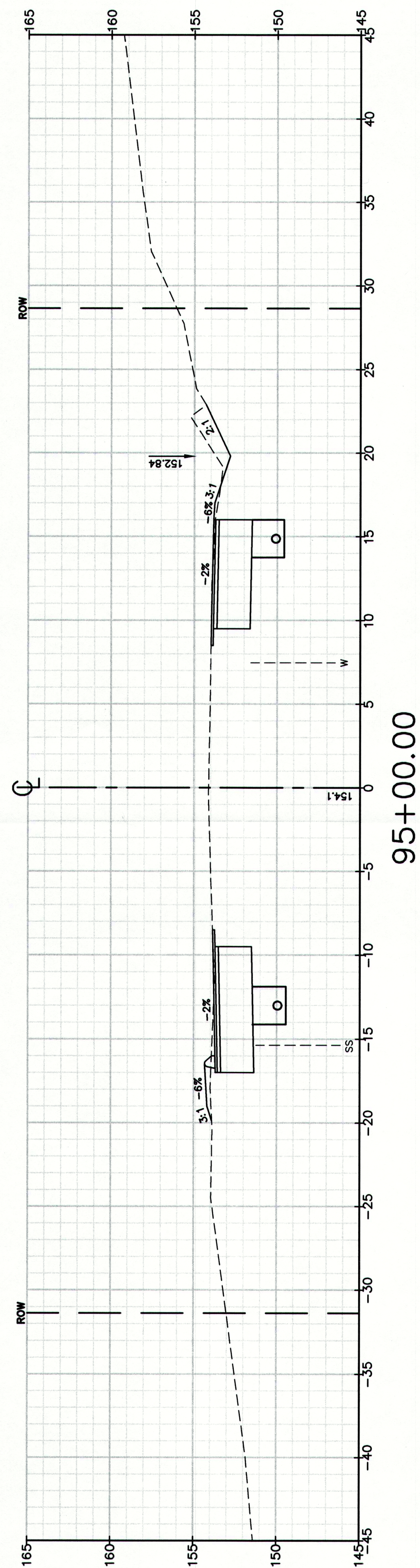
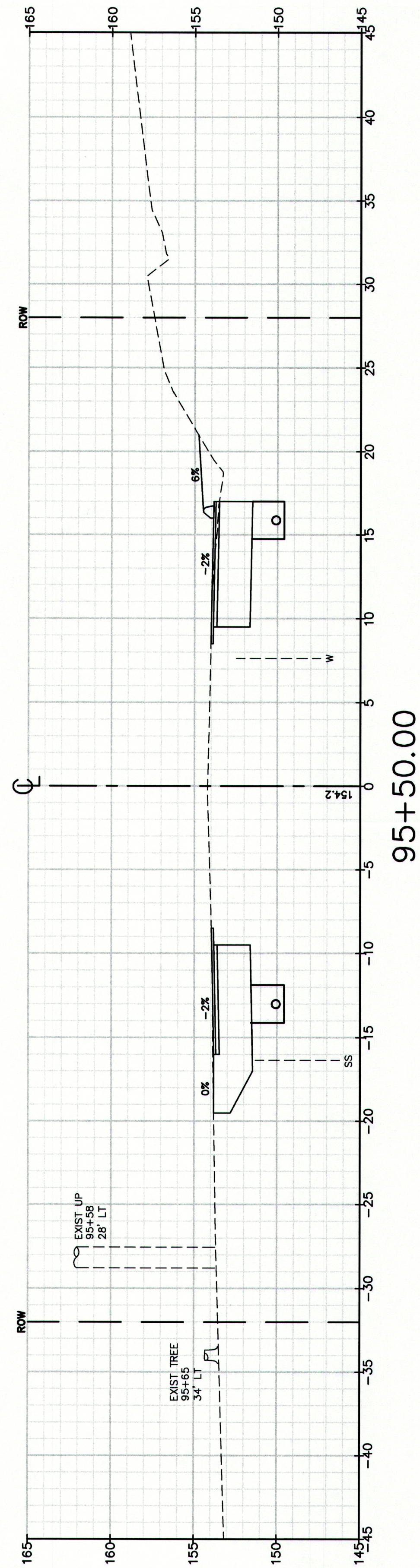
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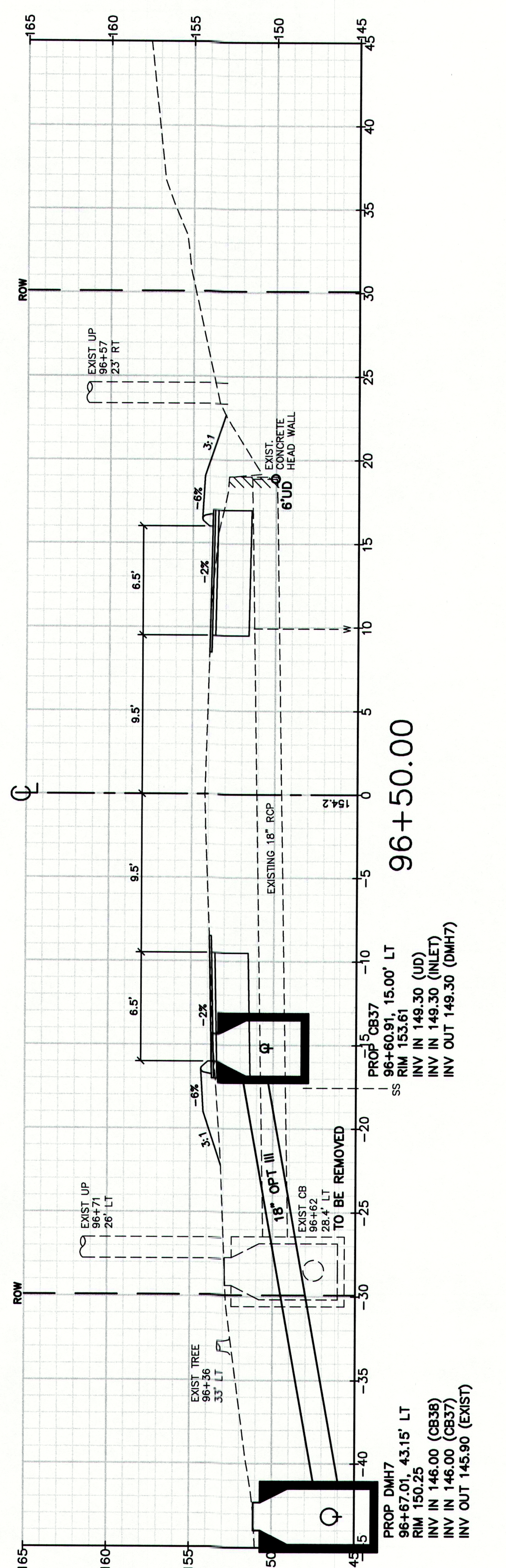
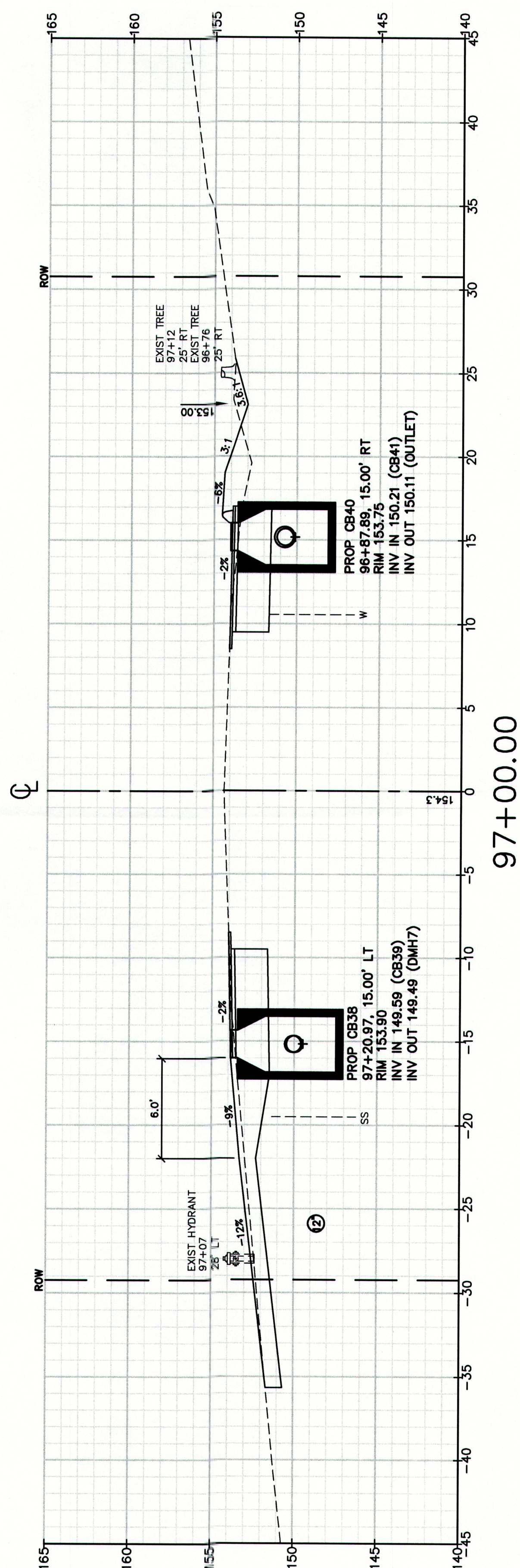
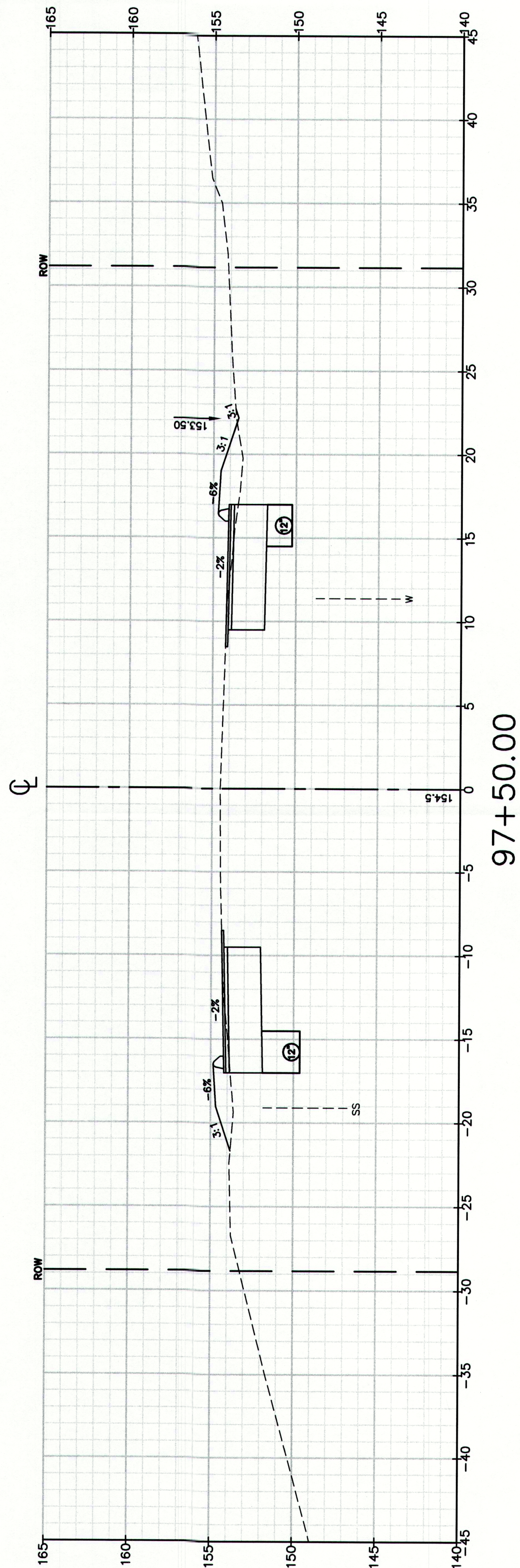
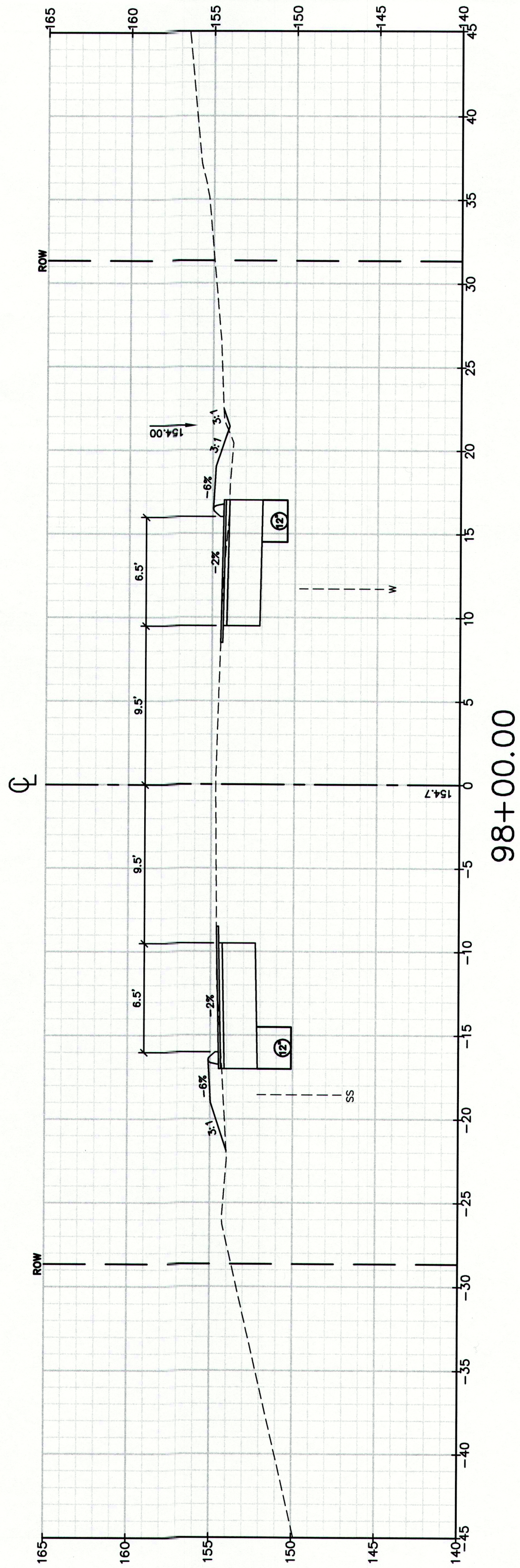
FAX: 207-657-6912

E-Mail: mailbox@gorrillpalmer.com

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CUMBERLAND, ROUTE 88

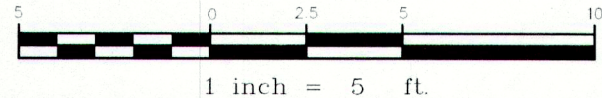
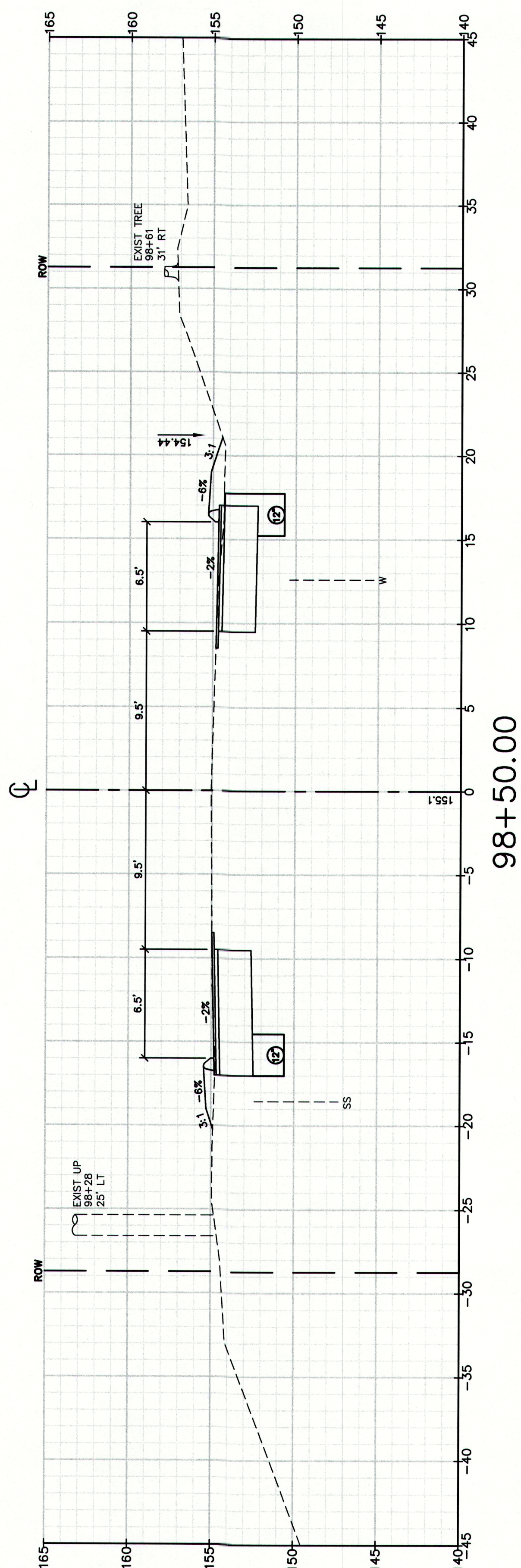
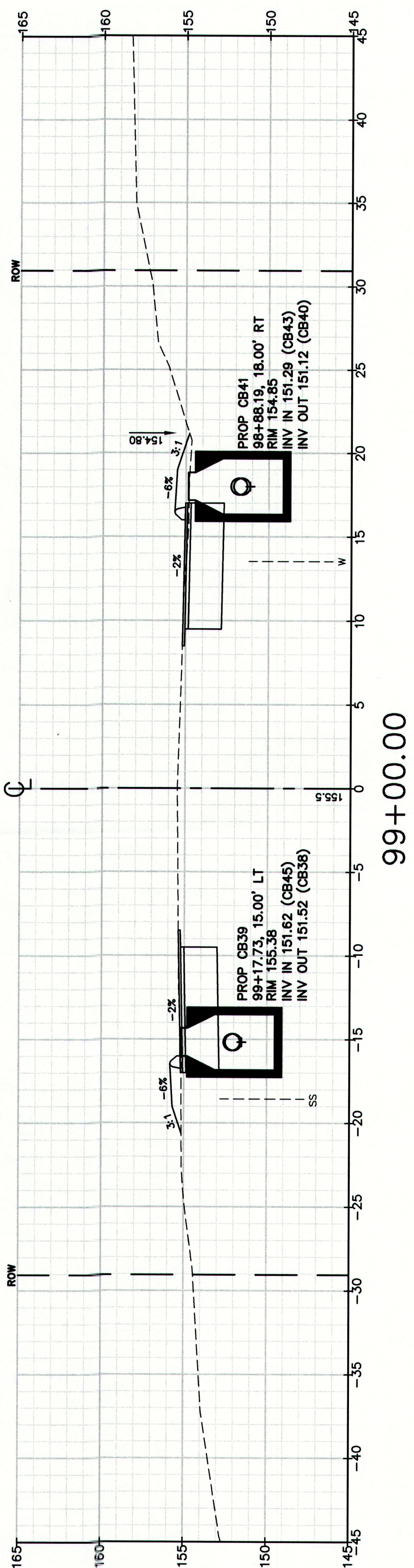
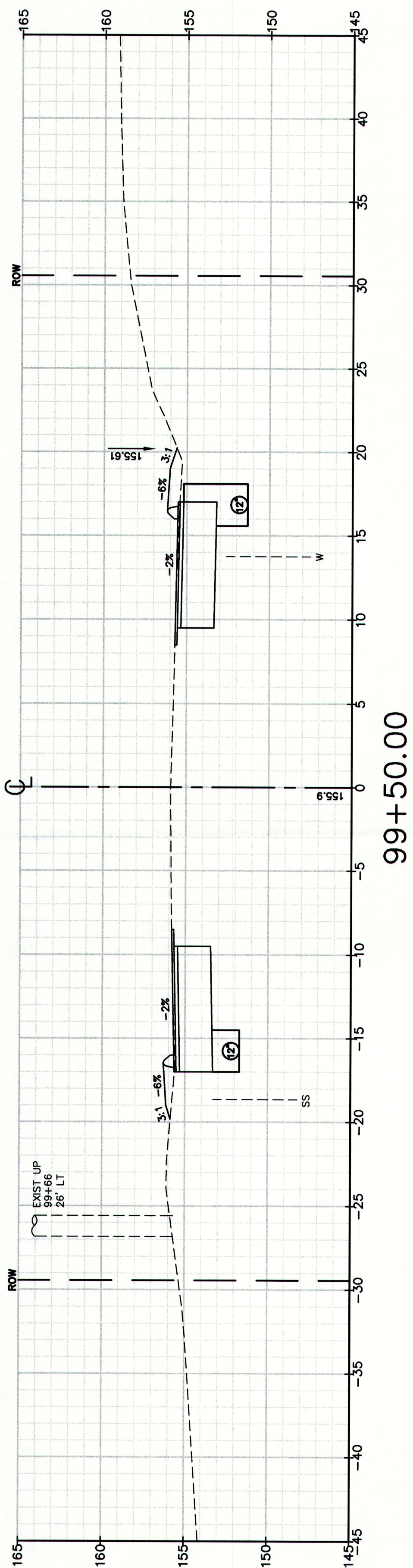
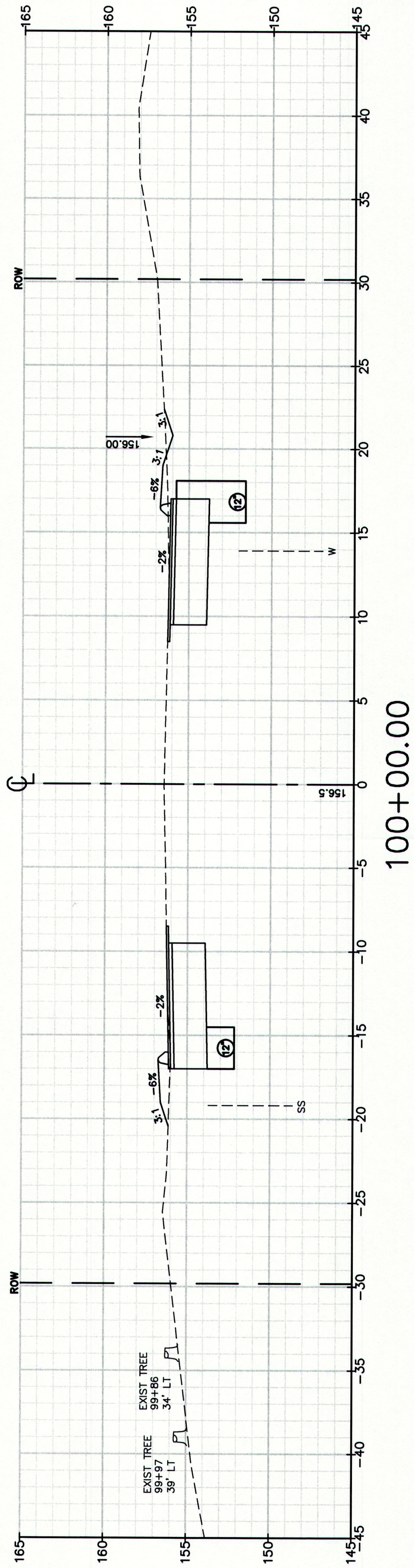
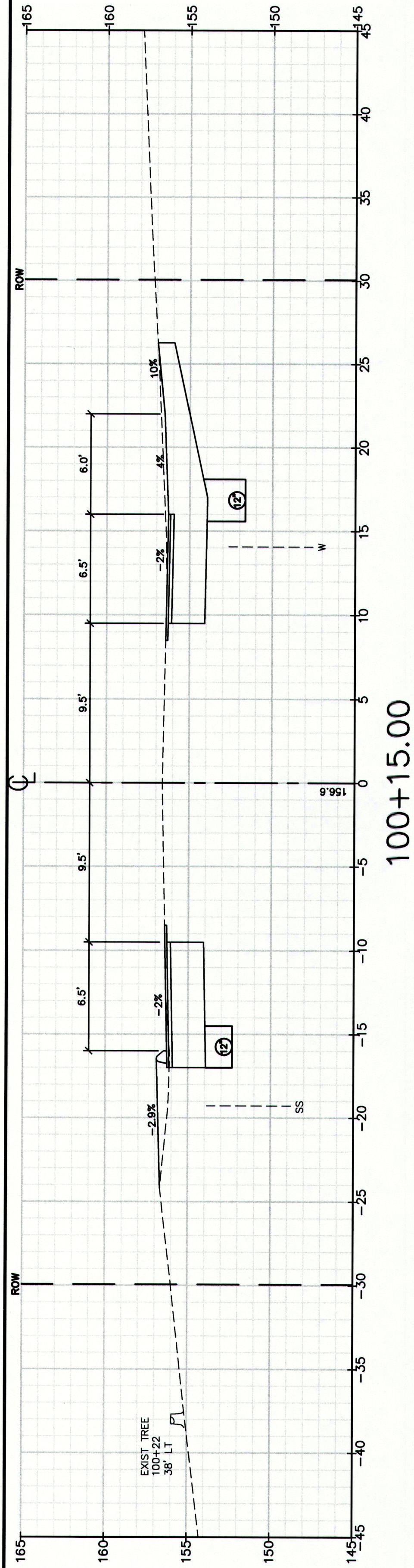
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86

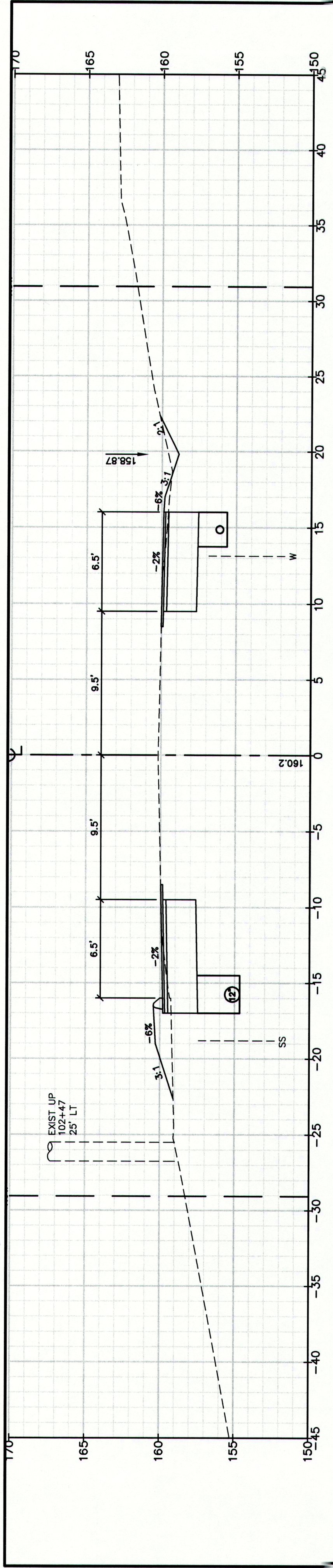
Cross Sections
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

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207-657-6912
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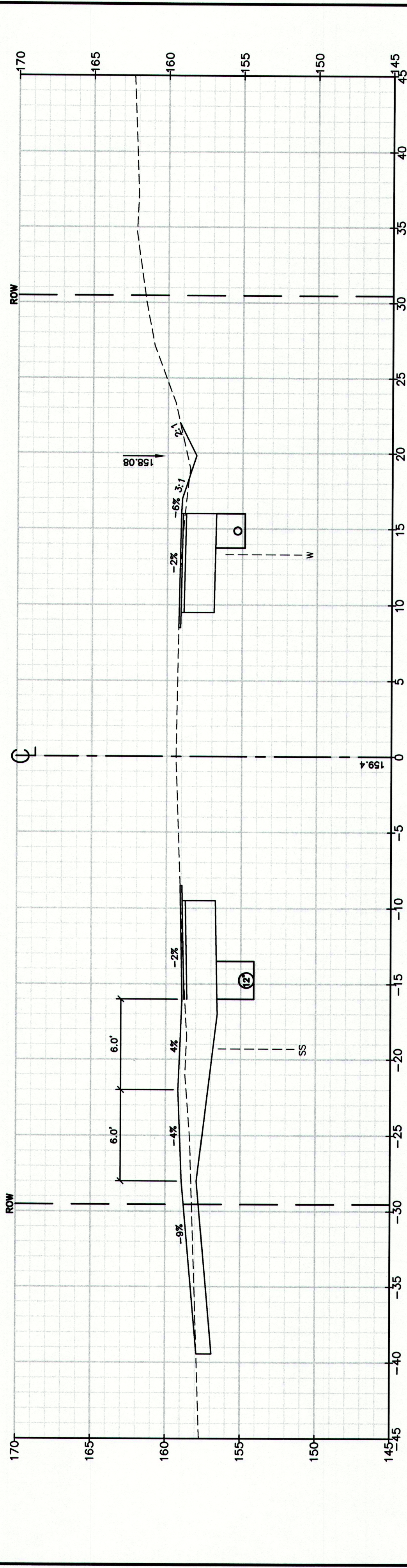
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Job No.: 2239
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STA 96+50 TO STA 98+00

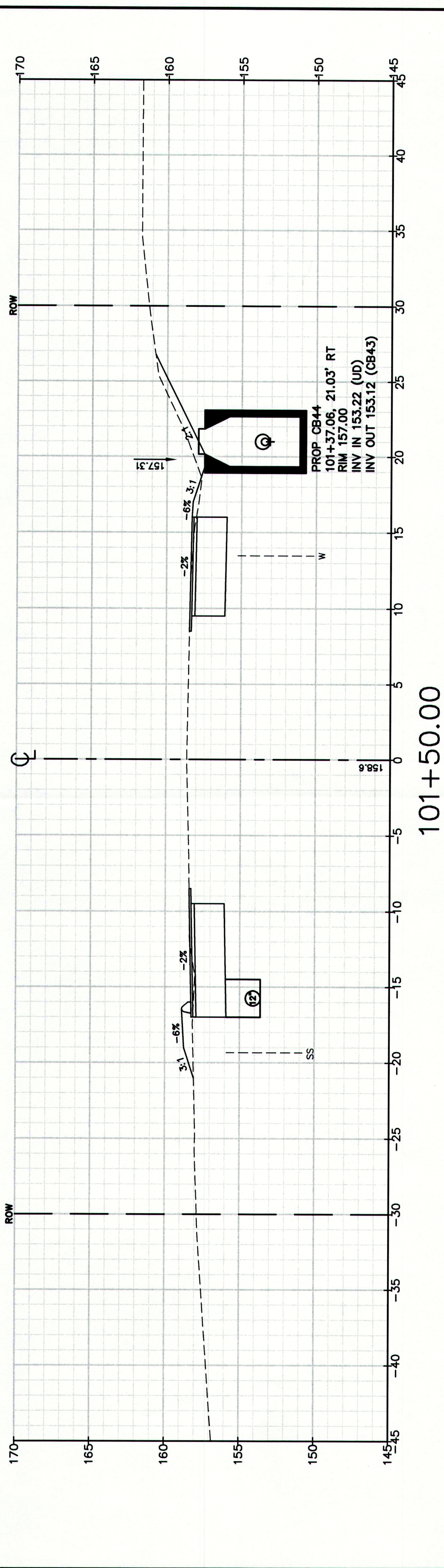




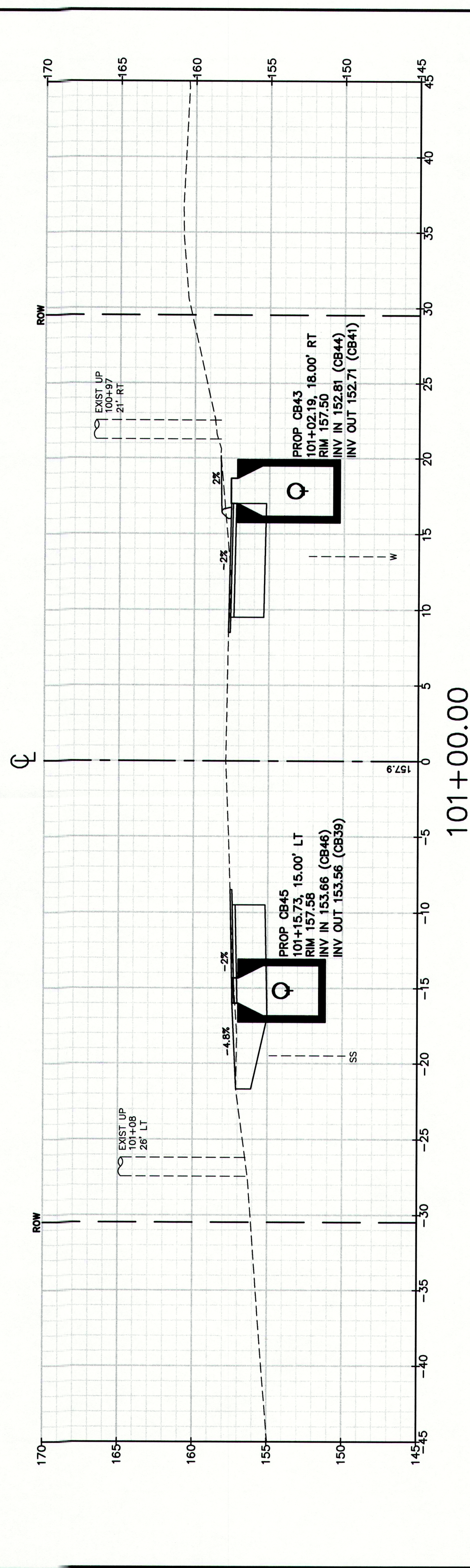
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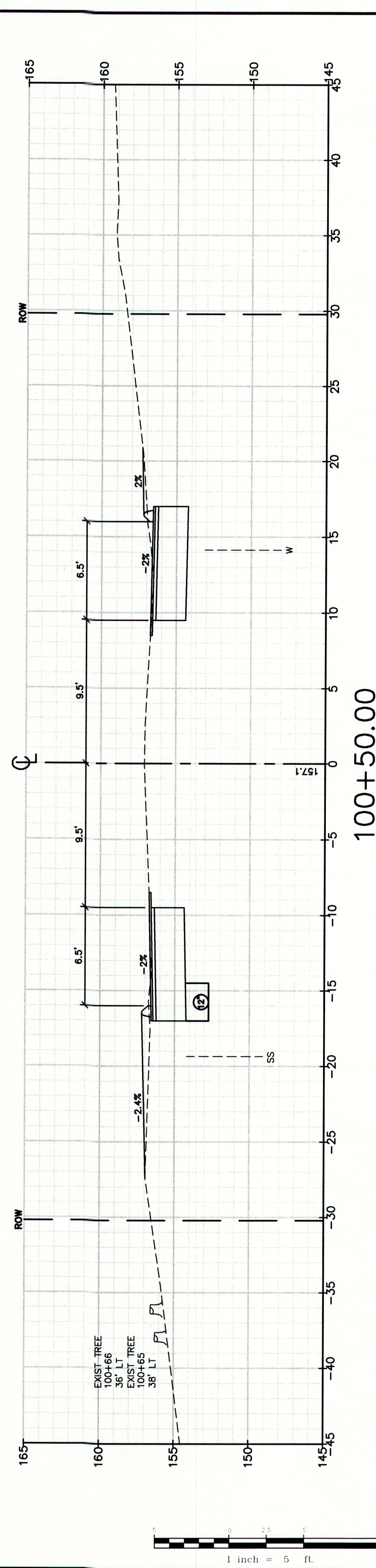
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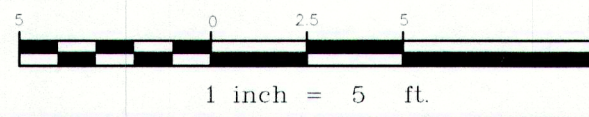
101+50.00



101+00.00



100+50.00

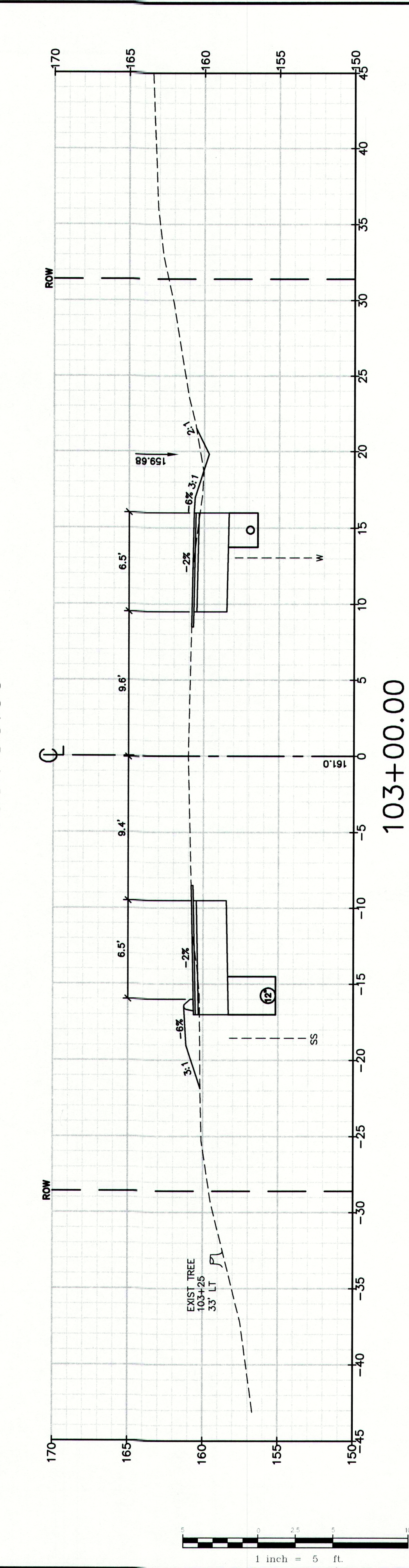
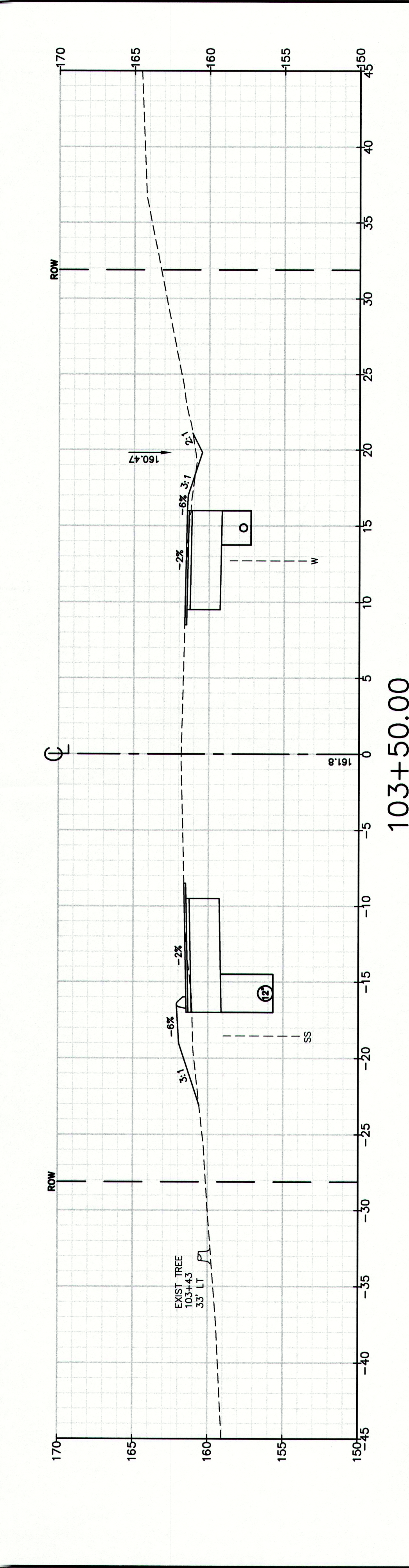
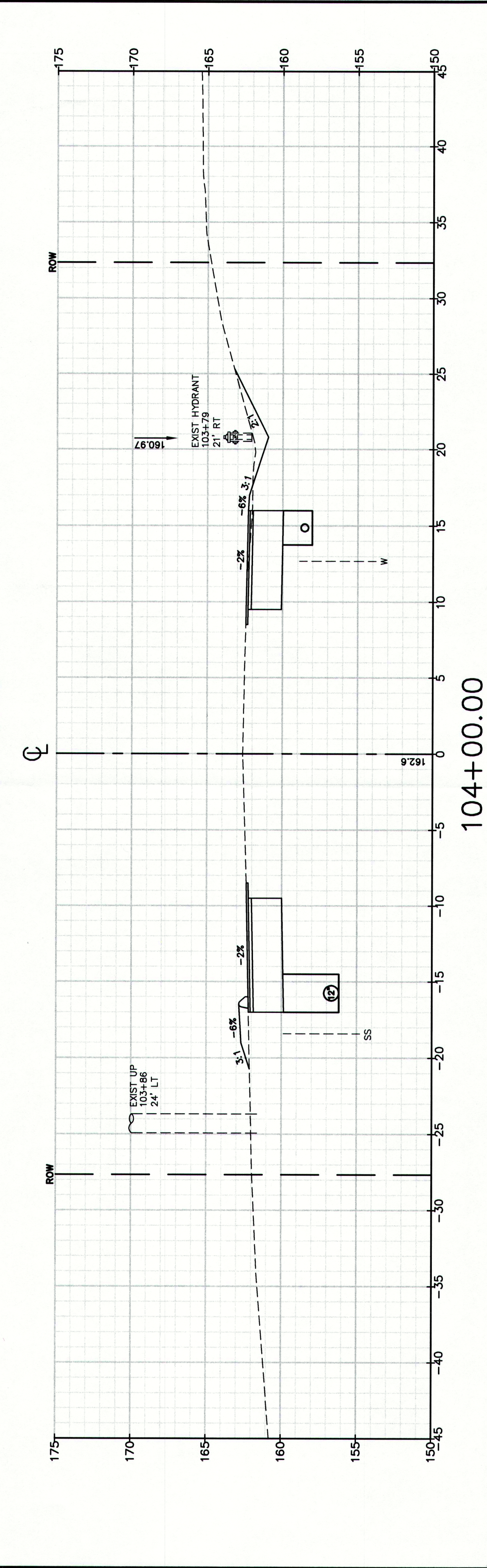
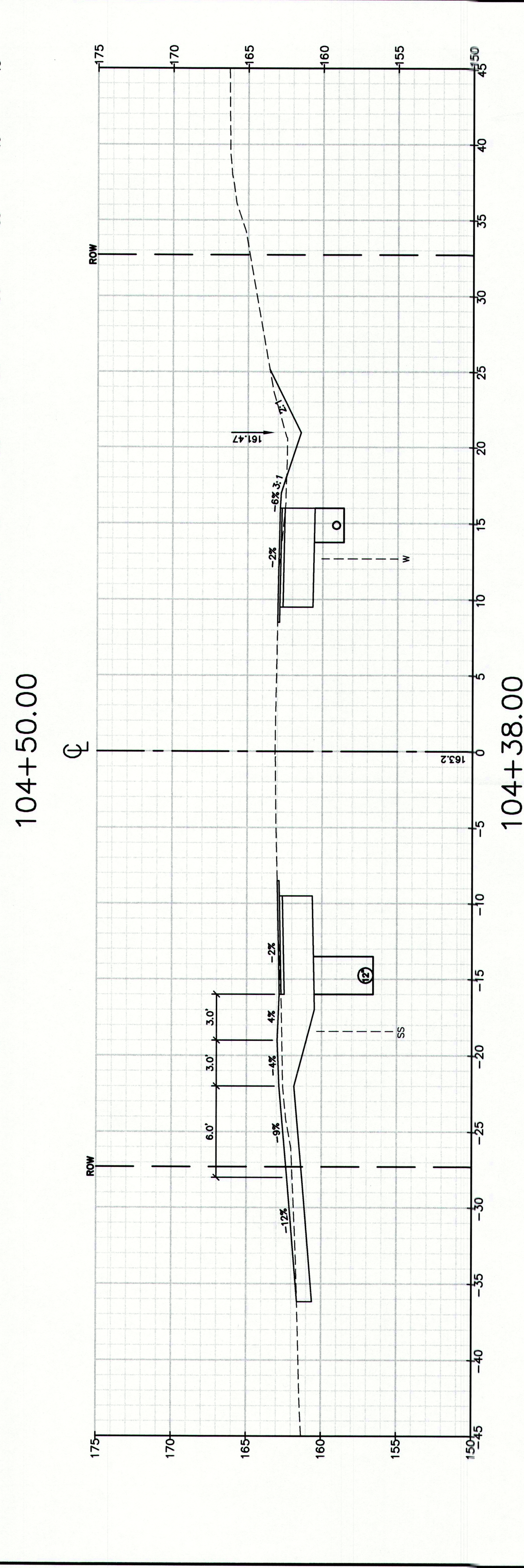


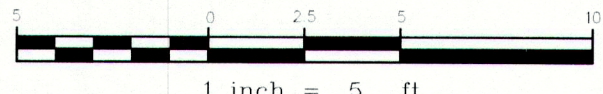
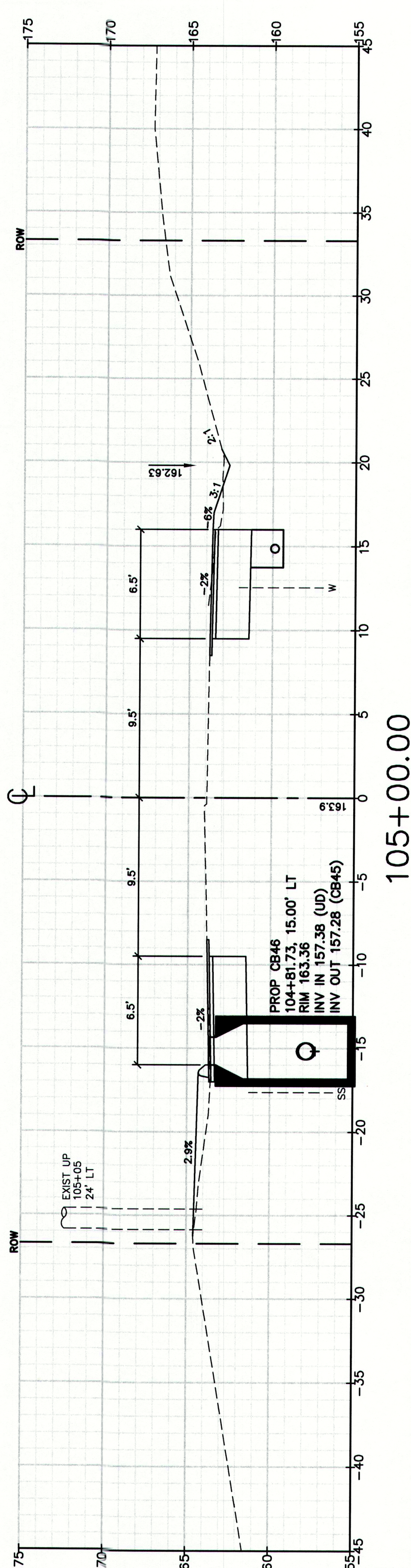
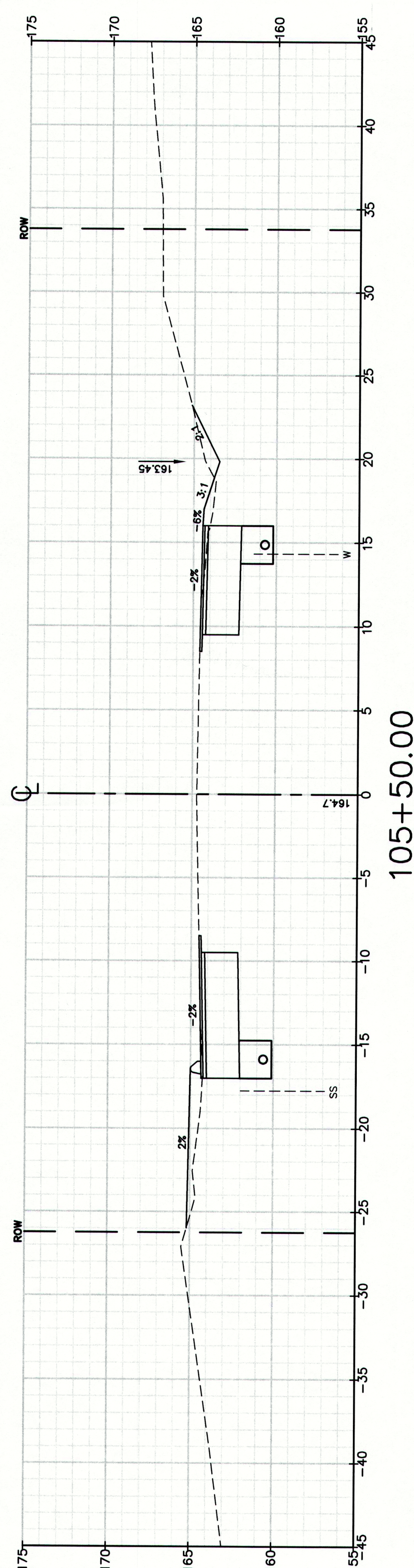
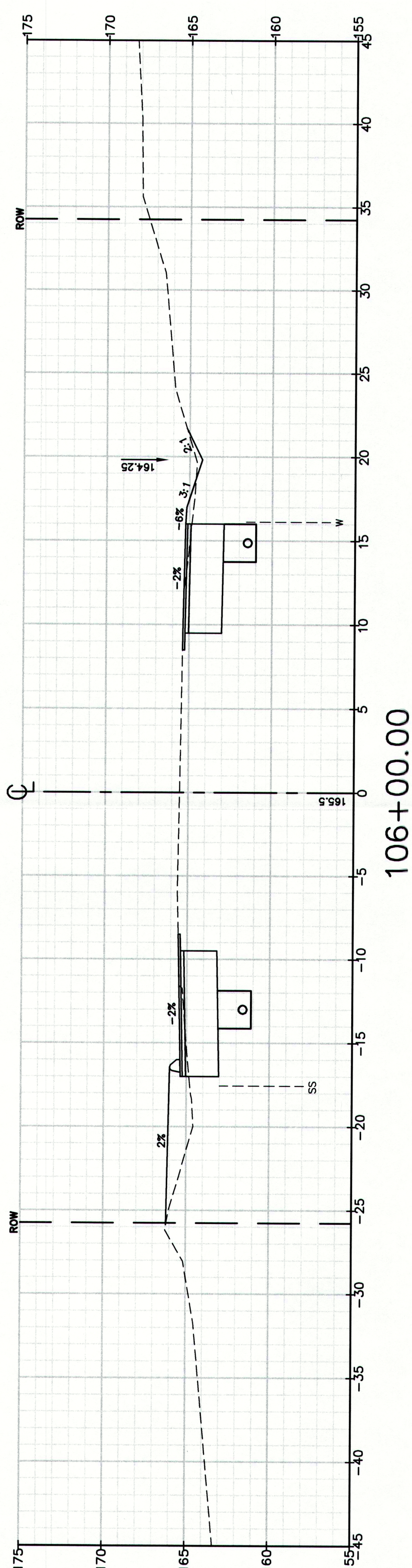
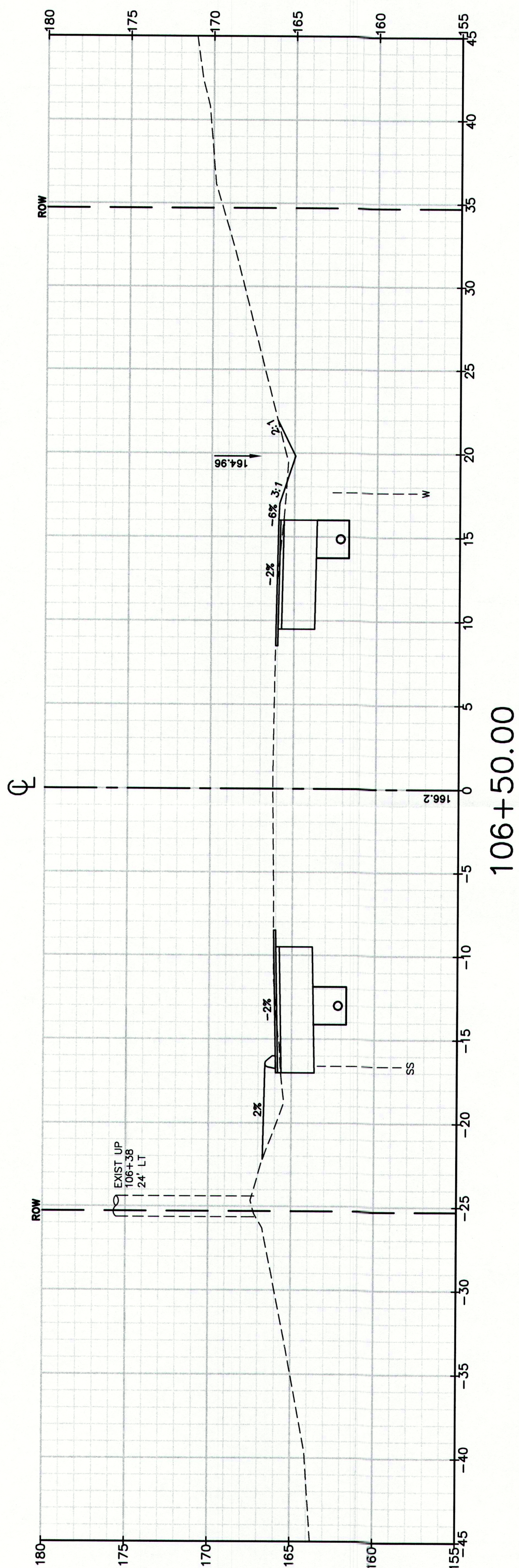
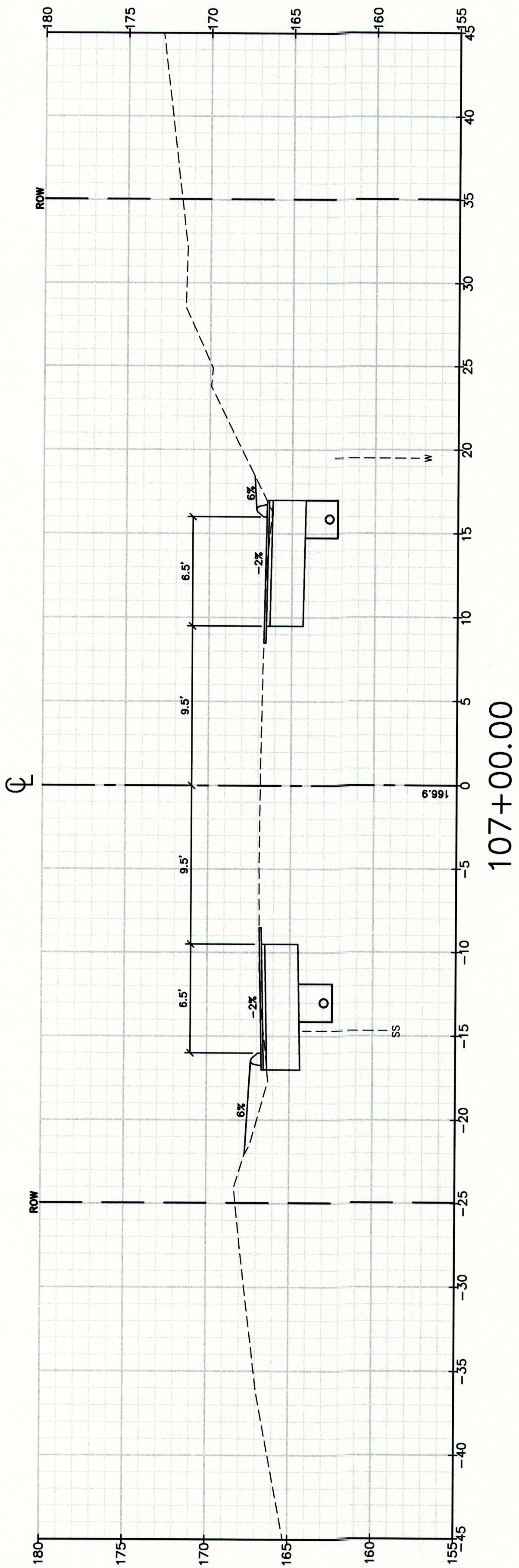
Drawing No.
88

Cross Sections
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

GP Gorrell-Palmer Consulting Engineers, Inc.
PO Box 1237
15 Shaker Road
Croy, ME 04039
207-657-6910
207-657-6912
E-Mail: mailbox@gorrellpalmer.com

Drawing Name: 2239_XSEC2.dwg
Design: RJB
Checked: RJB
Date: DEC 2009
Draft: DB
Scale:
Job No.: 2239
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MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

Project: **Route 88 & Tuttle Road Ramps**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021

Drawing No.

90

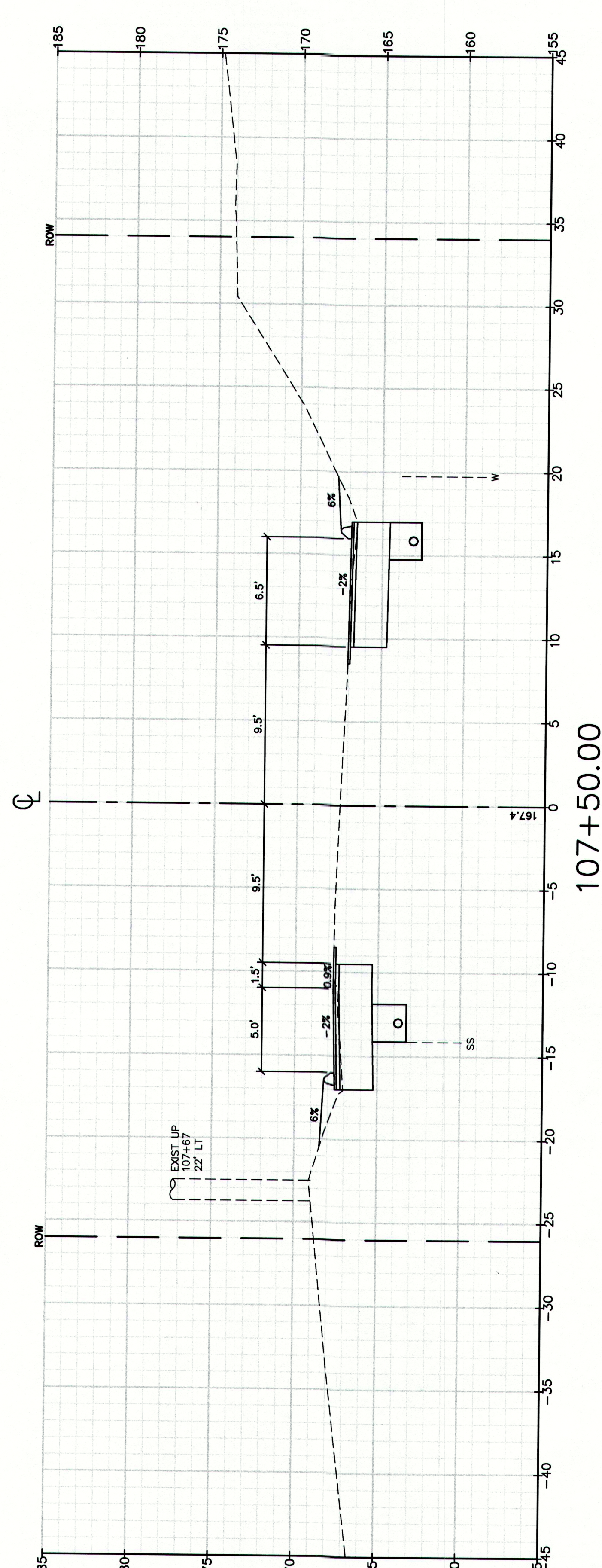
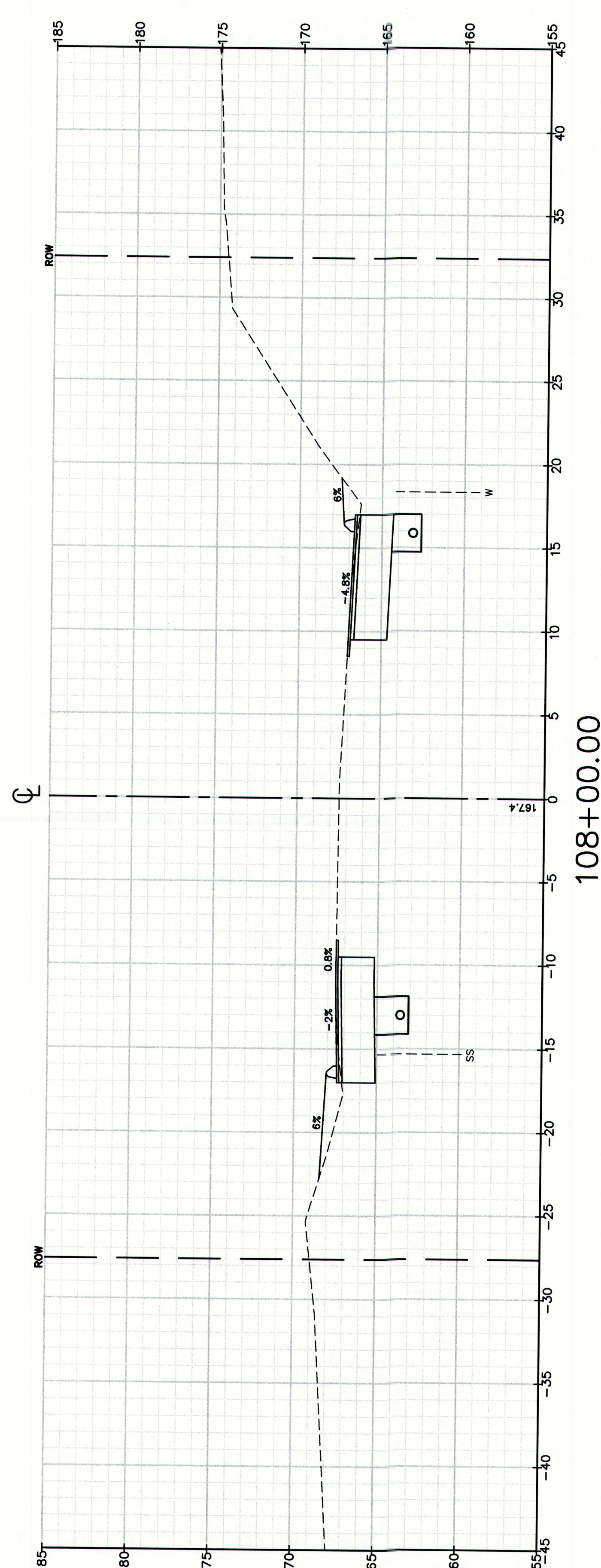
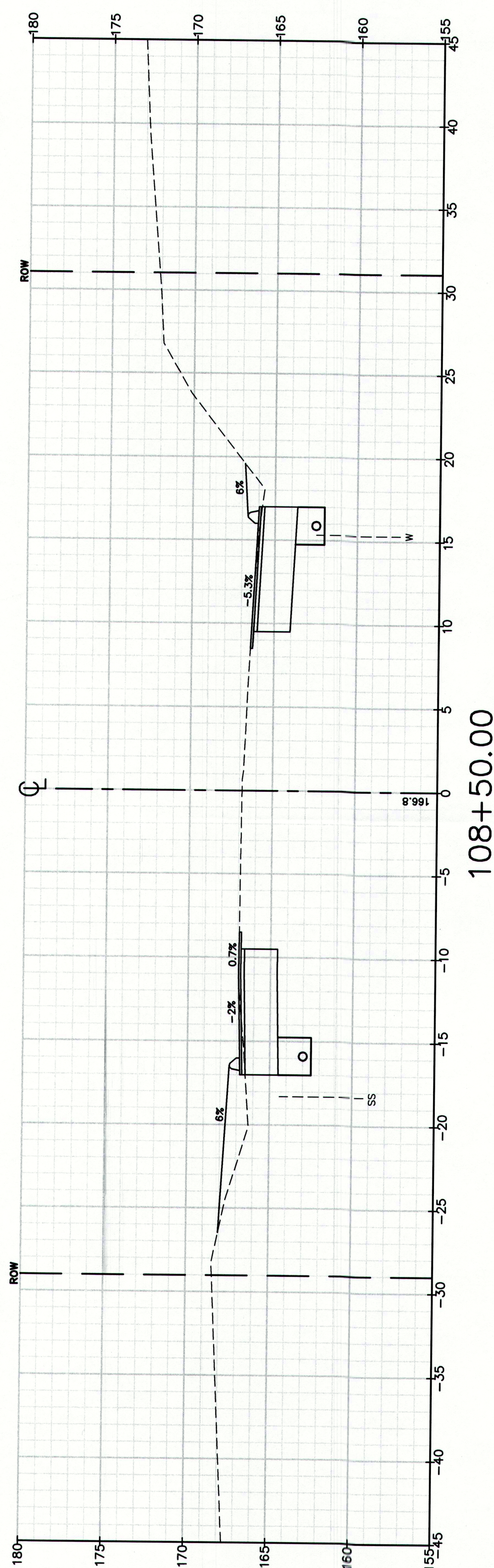
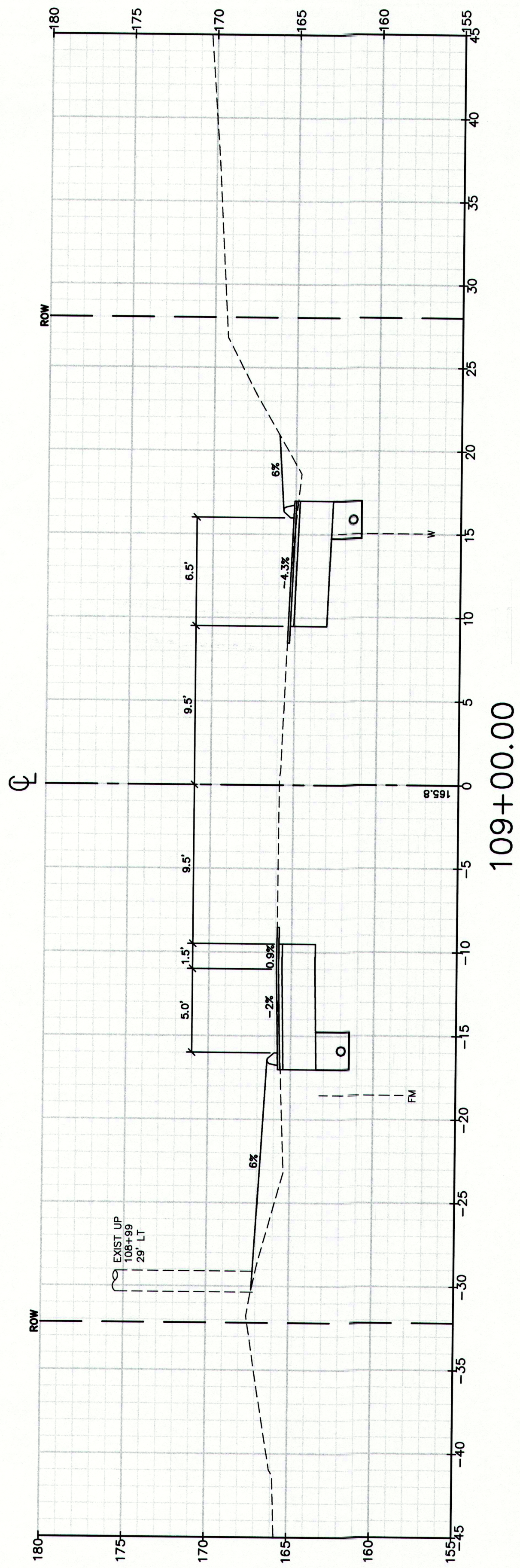
Cross Sections

GP Gorrill-Palmer Consulting Engineers, Inc.
P.O. Box 1237
15 Shaker Road
Gray, ME 04039
207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

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Design: RUB
Checked: RCN
File Name: 2239_XSEC2.dwg
Date: DEC 2009
Job No.: 2239
Scale:



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

STA 107+50 TO STA 109+00

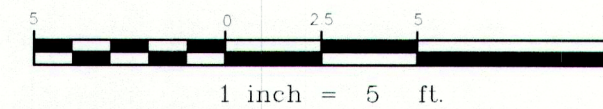
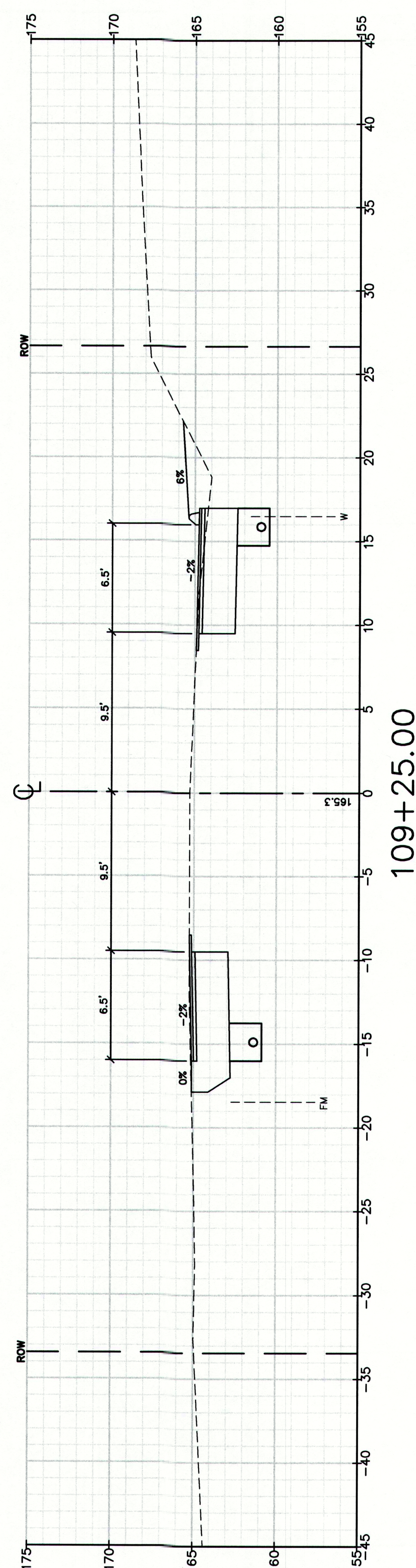
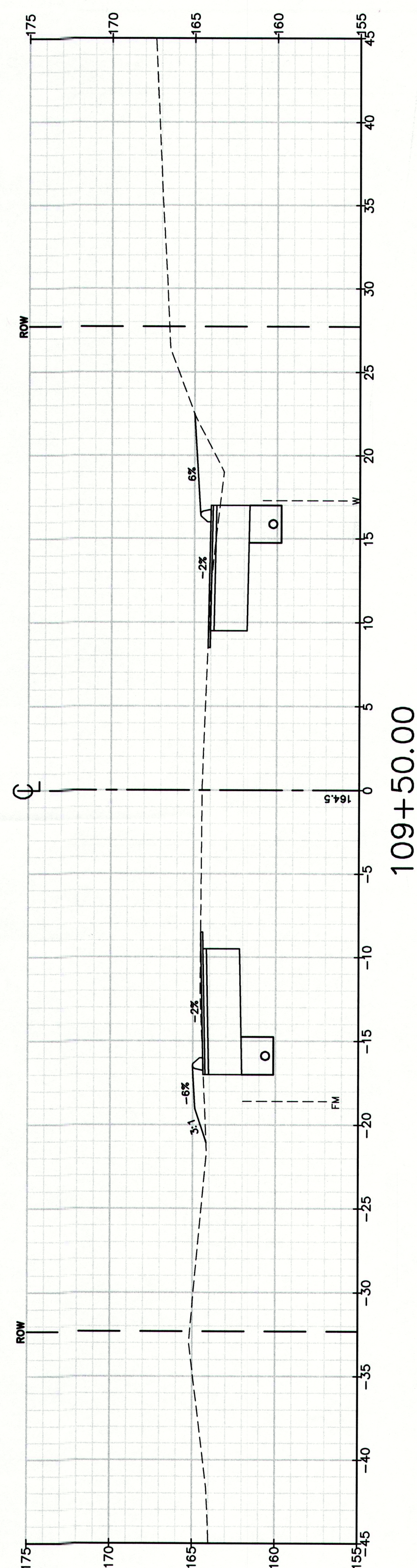
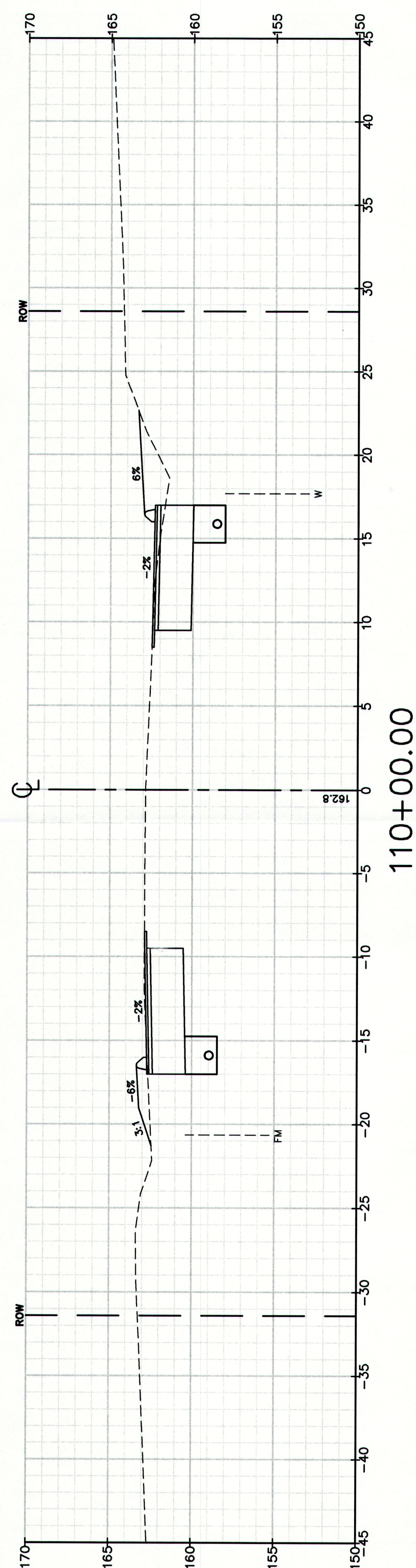
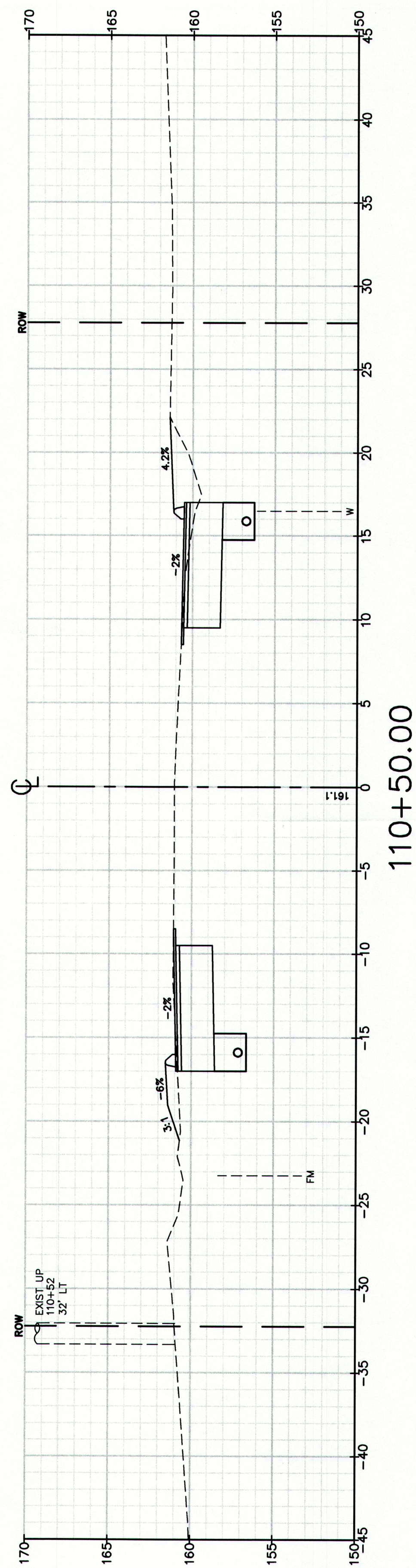
Drawing No.

91

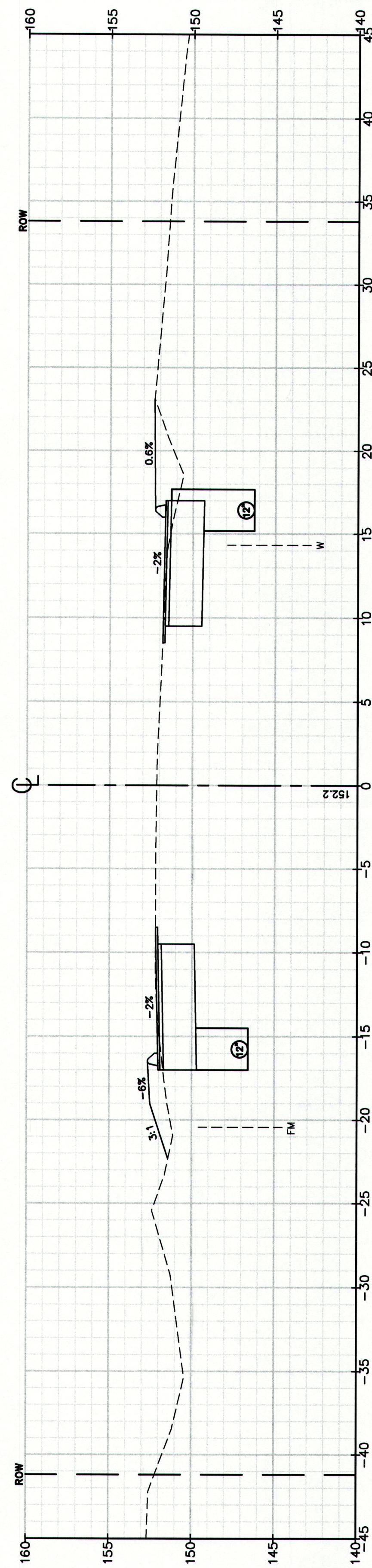
GP Gorrill-Palmer Consulting Engineers, Inc.

PO Box 1237 Engineering Excellence Since 1998 207-857-8910
15 Shaker Road FAX: 207-857-6912
Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

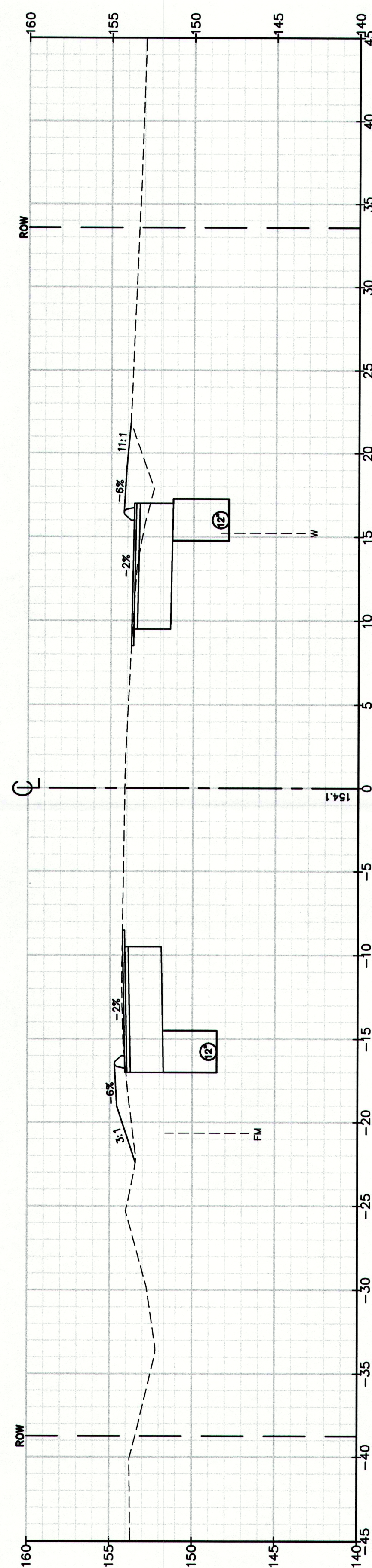
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Checked: RCN Scale: Job No.: 2239
File Name: 2239_XSEC2.dwg
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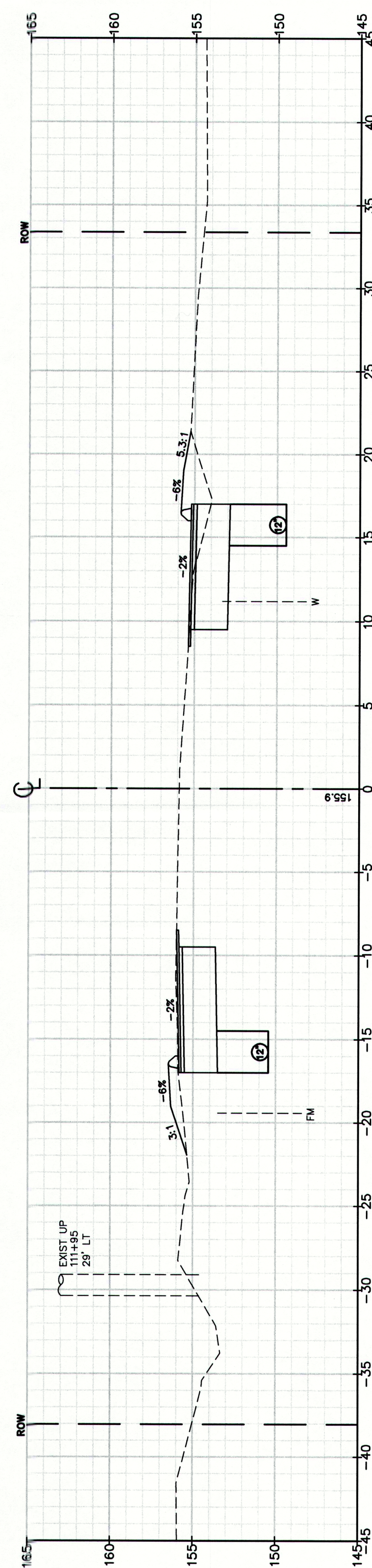
113+50.00



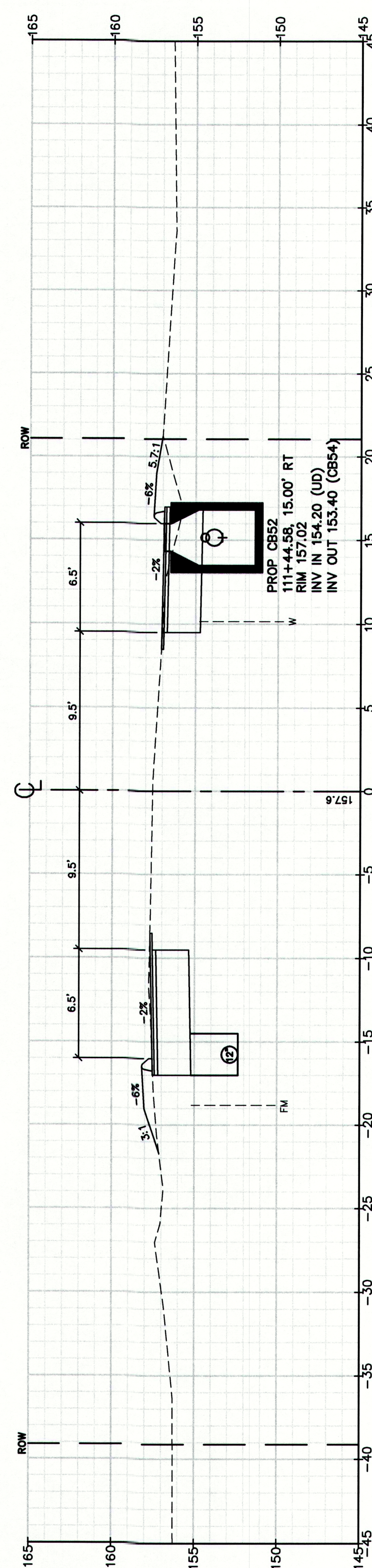
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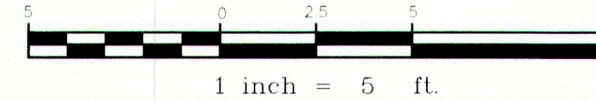
112+50.00

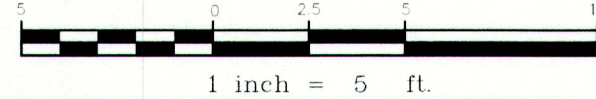
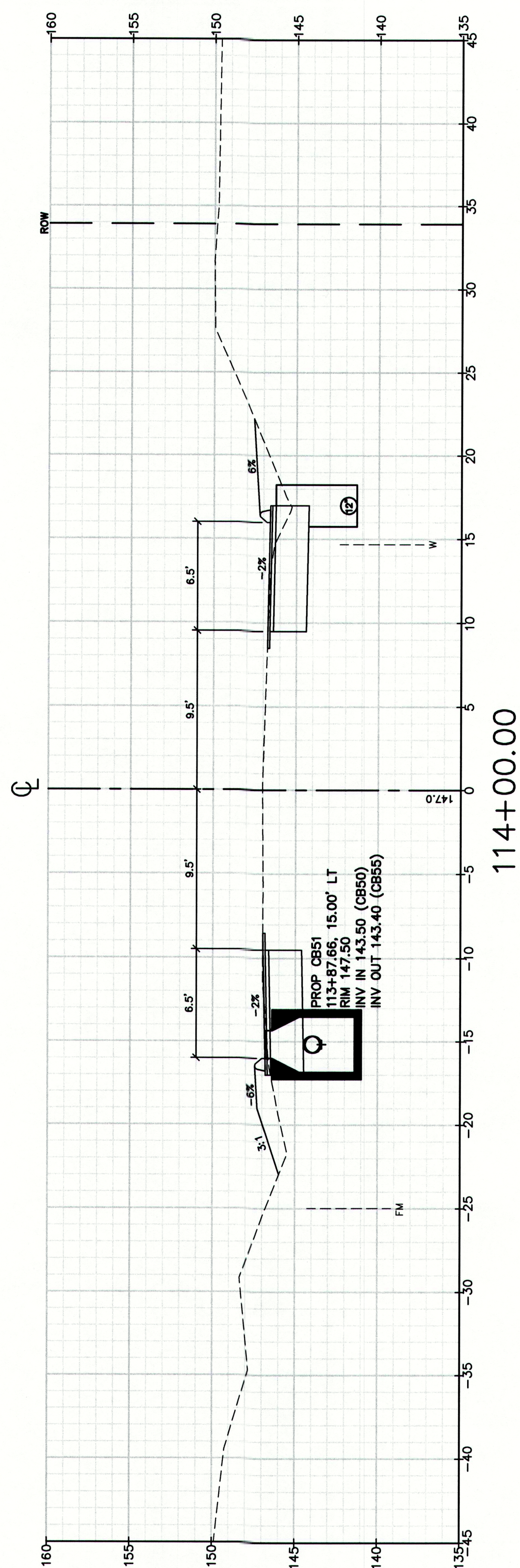
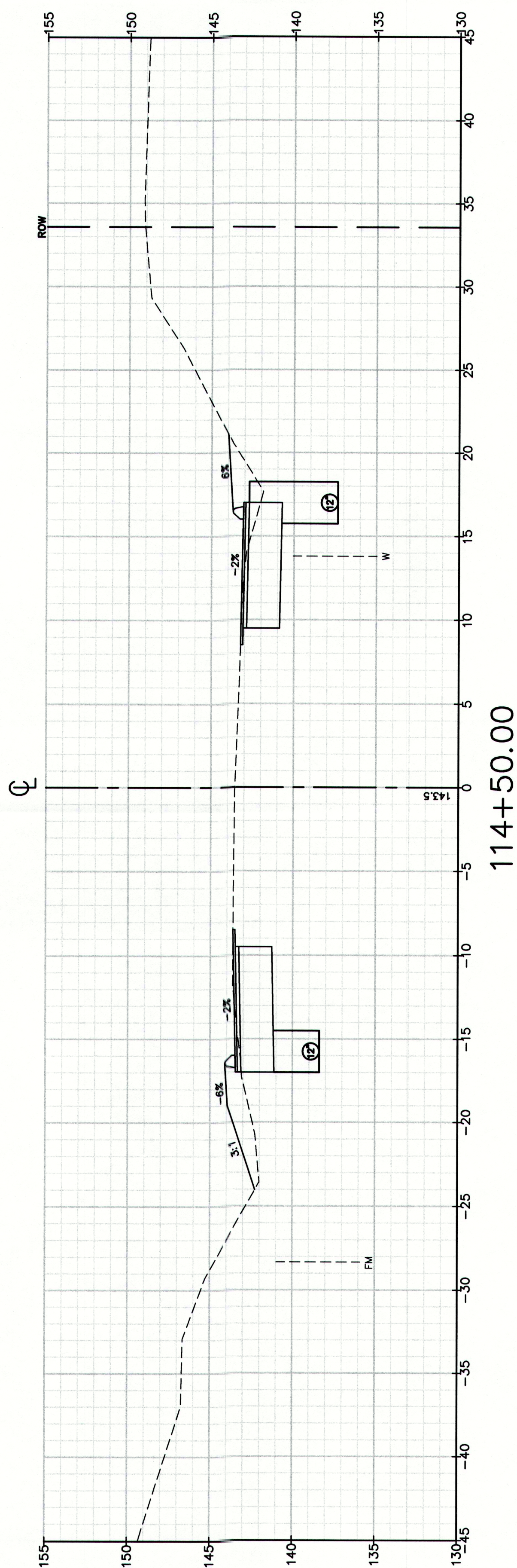
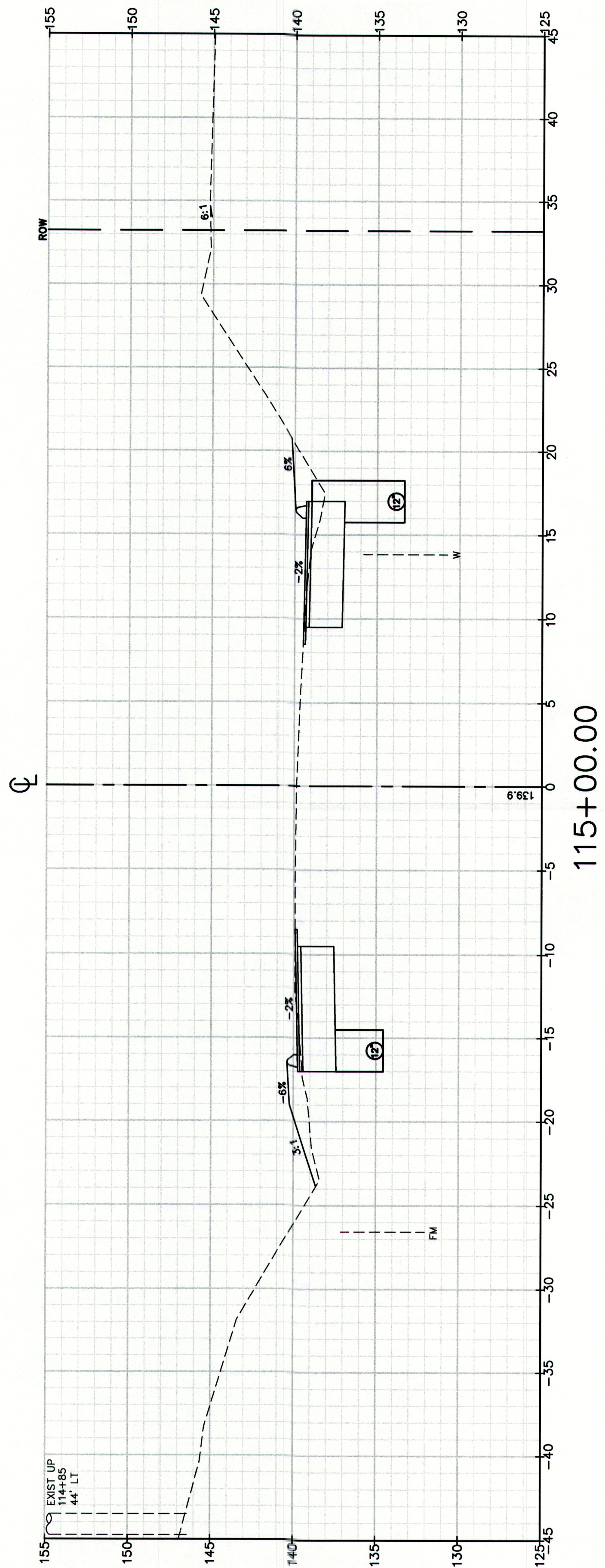
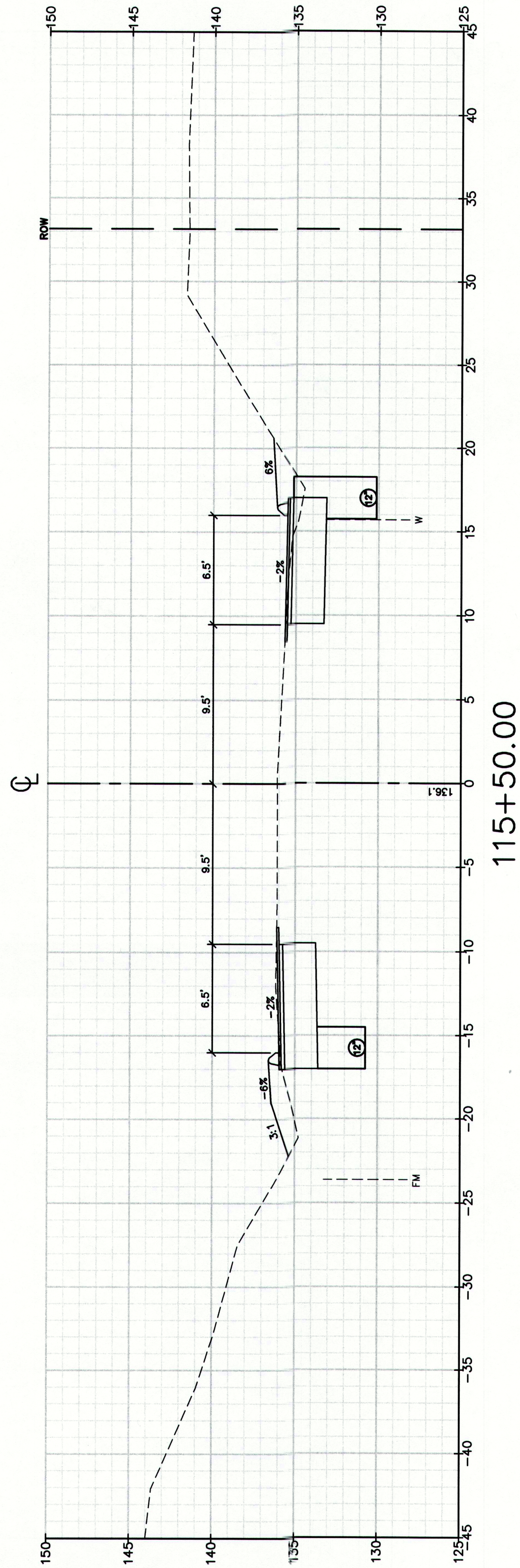


112+00.00



111+50.00





MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing Name:

Project: **Route 88 & Tuttle Road Ramps**
Cumberland, Maine
Client: **Town of Cumberland**
290 Tuttle Road, Cumberland, ME 04021



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15 Shaker Road
Gray, ME 04039

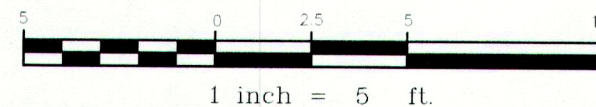
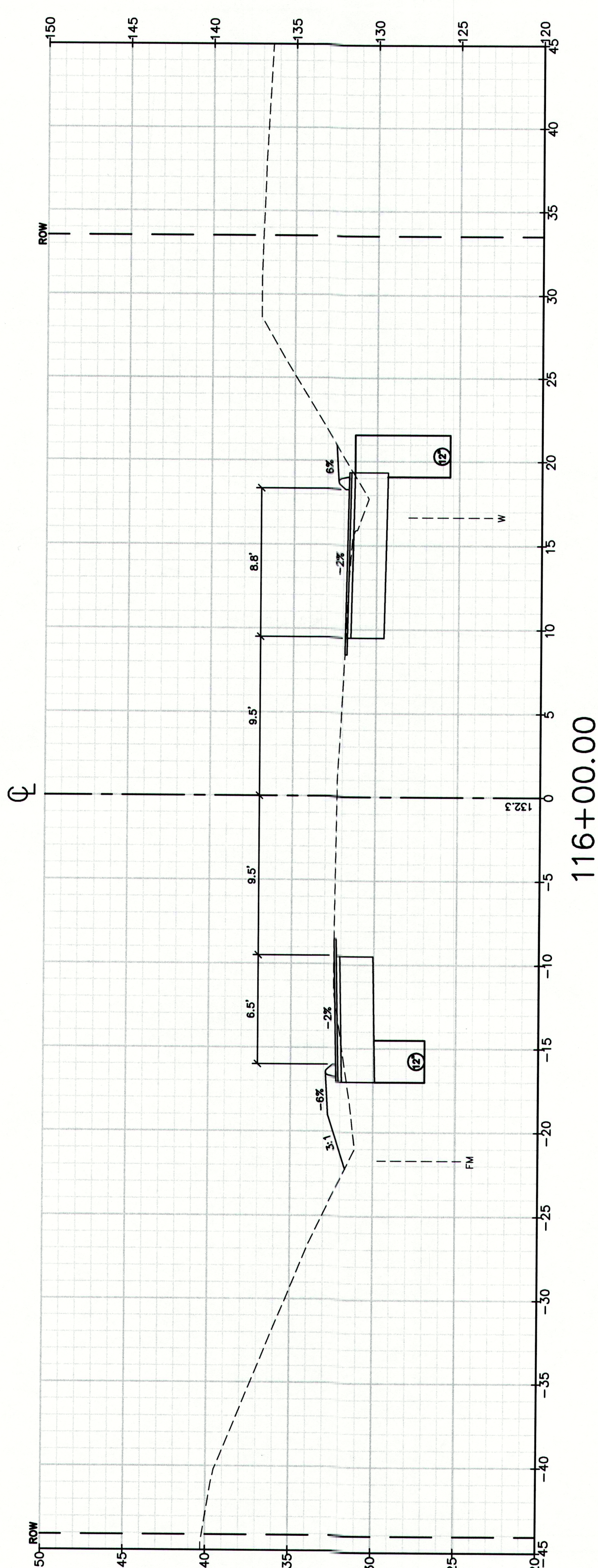
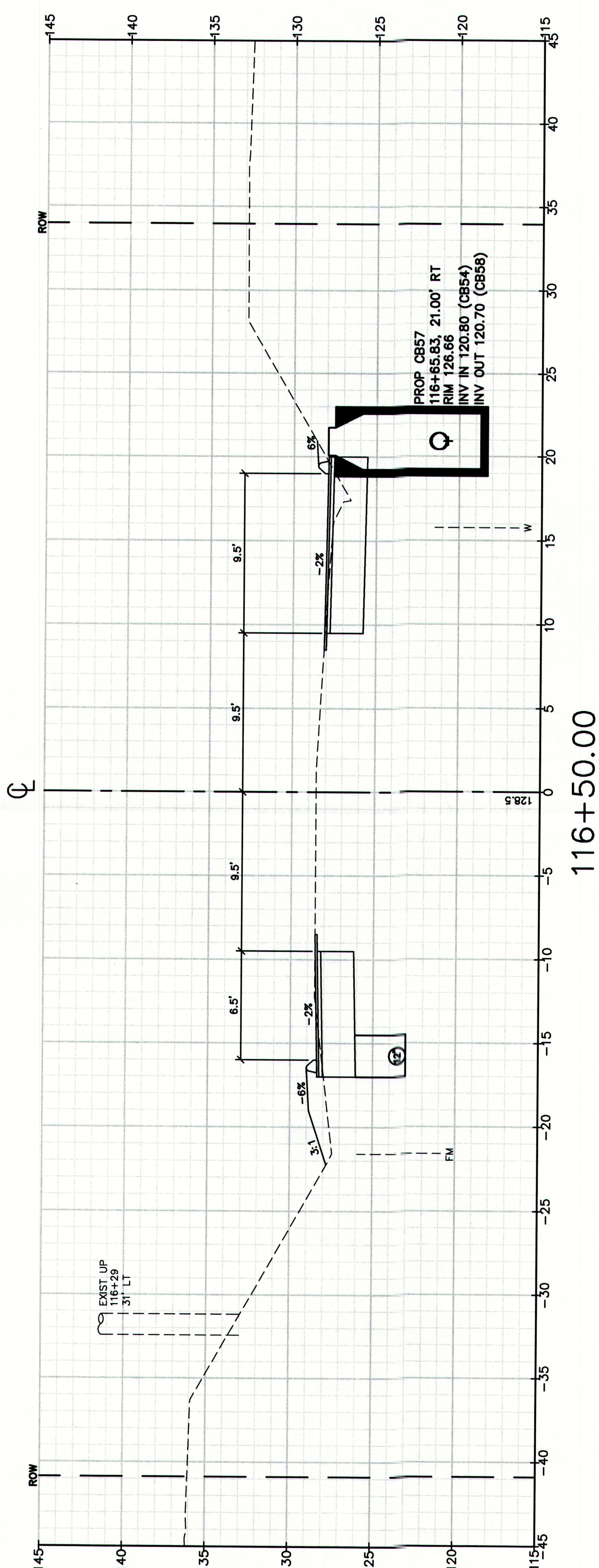
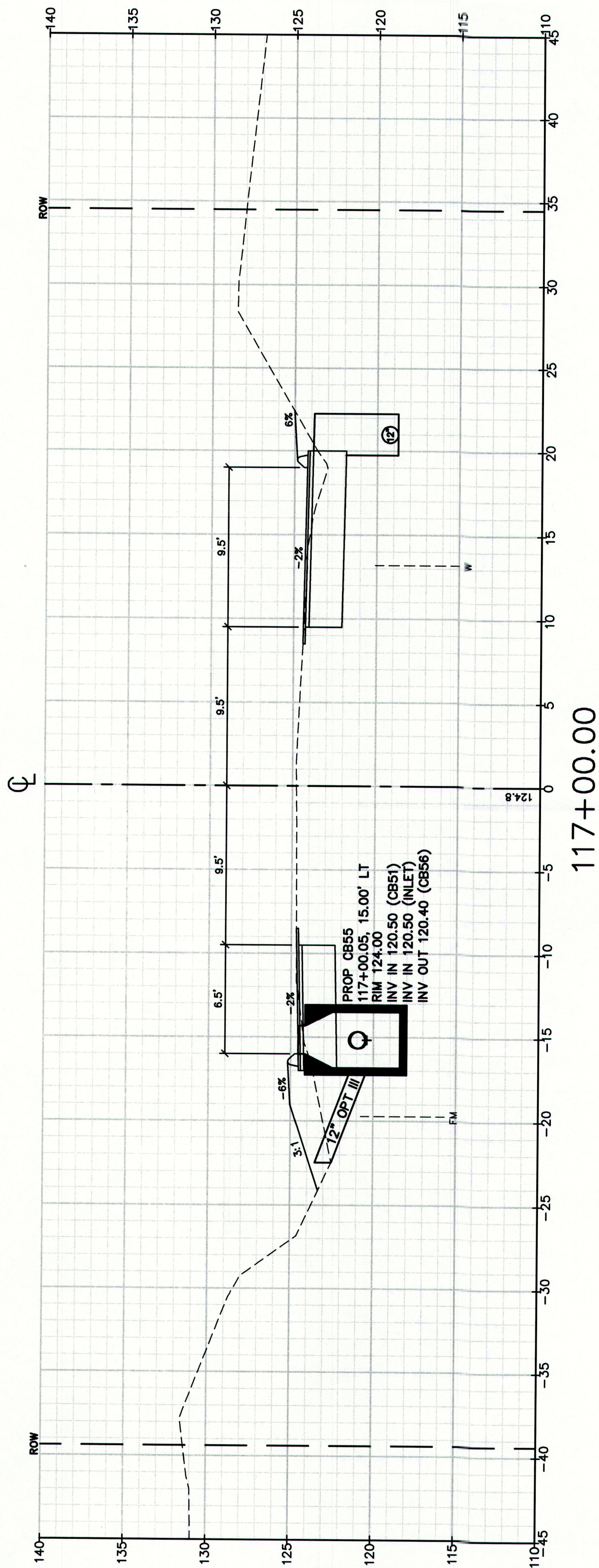
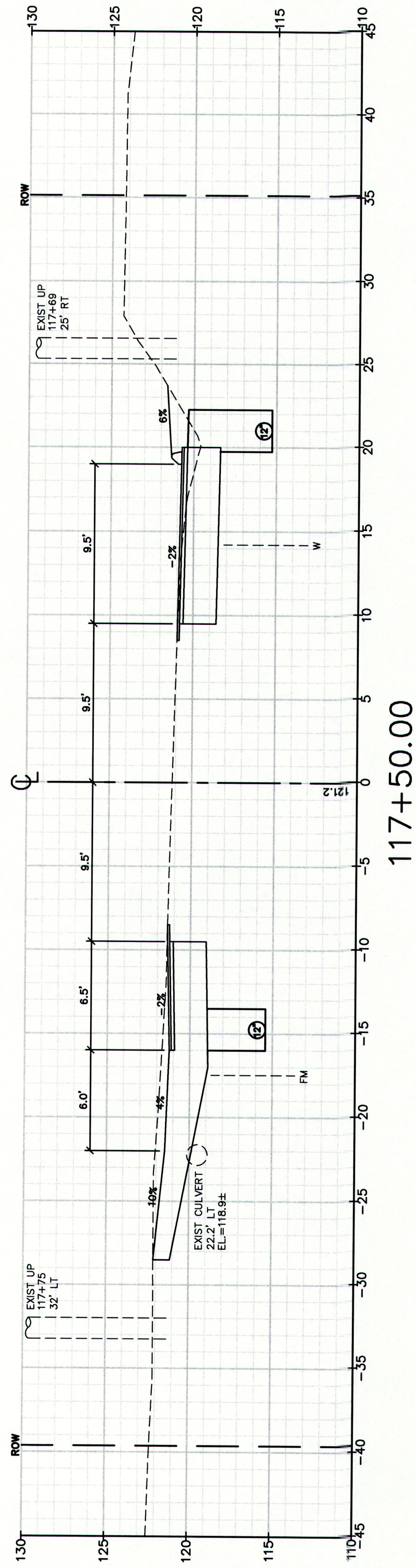
207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

Design: RUB
Checked: RBN
File Name: 2239_XSEC2.dwg
Draft: DB
Scale:
Date: DEC 2009
Job No.: 2239

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Drawing No.
94

STA 114+00 TO STA 115+50



Drawing No.
95

Cross Sections
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

Drawing Name:
Project:
Client:

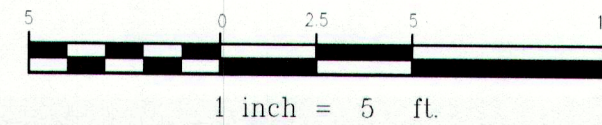
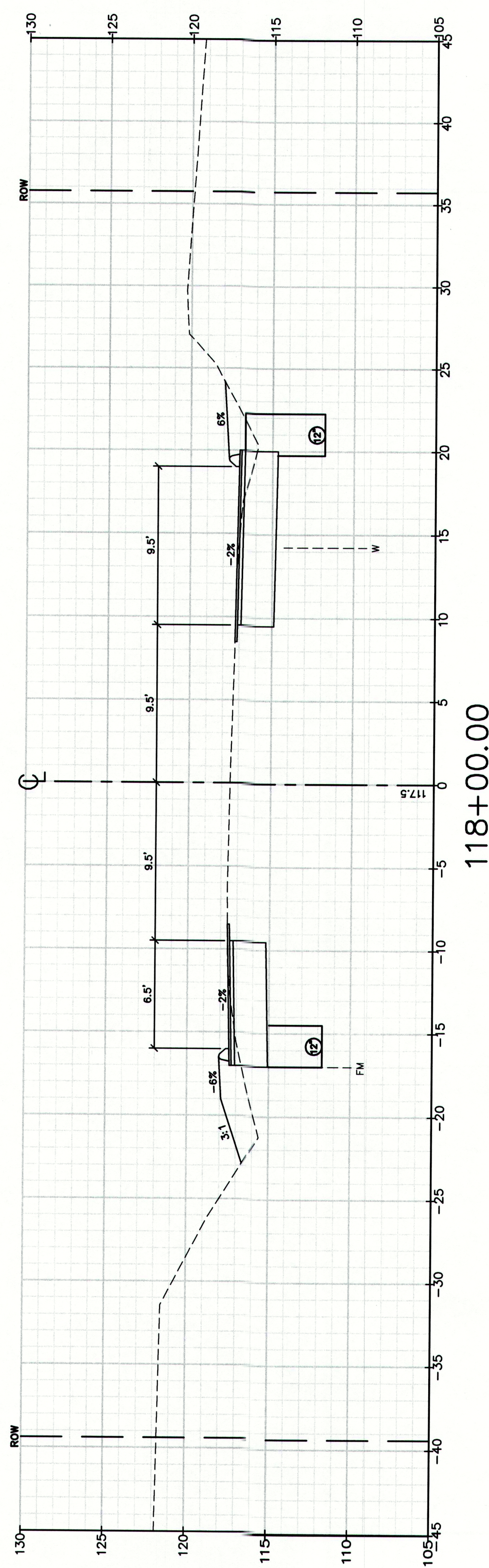
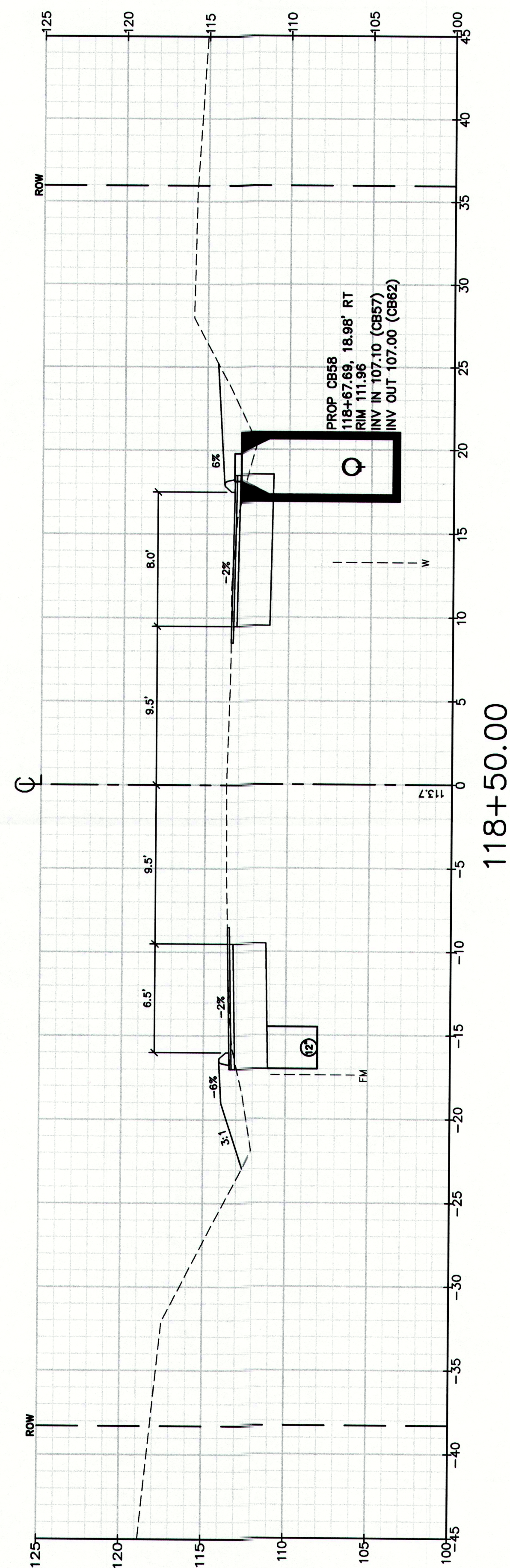
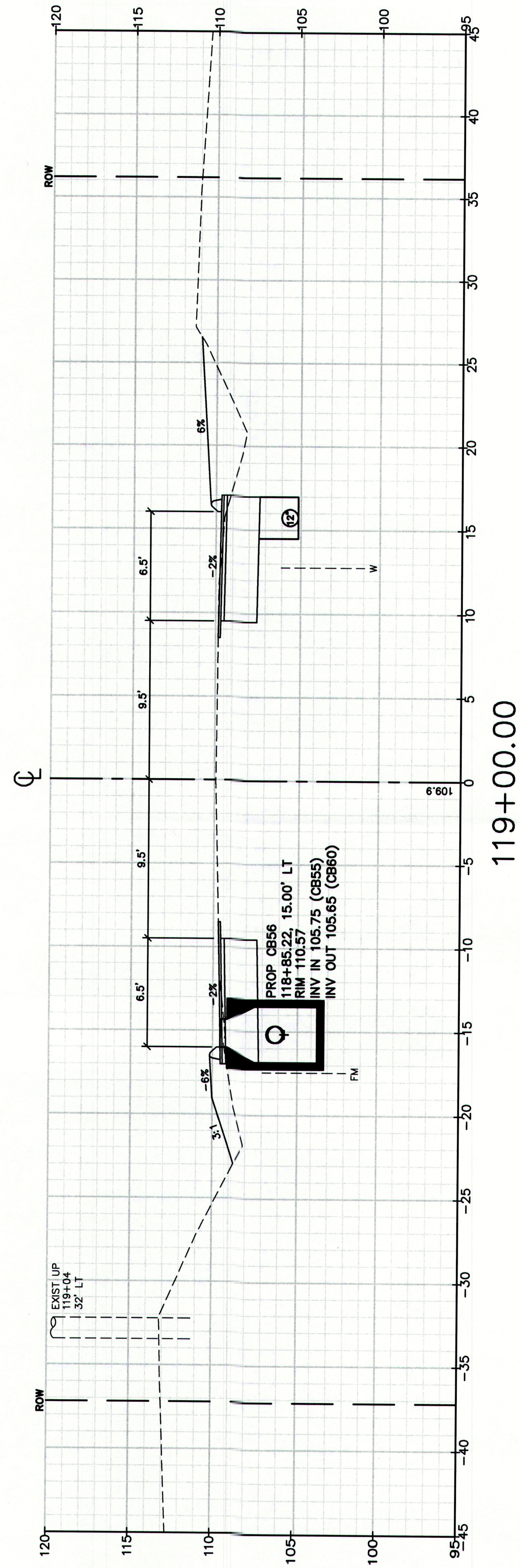
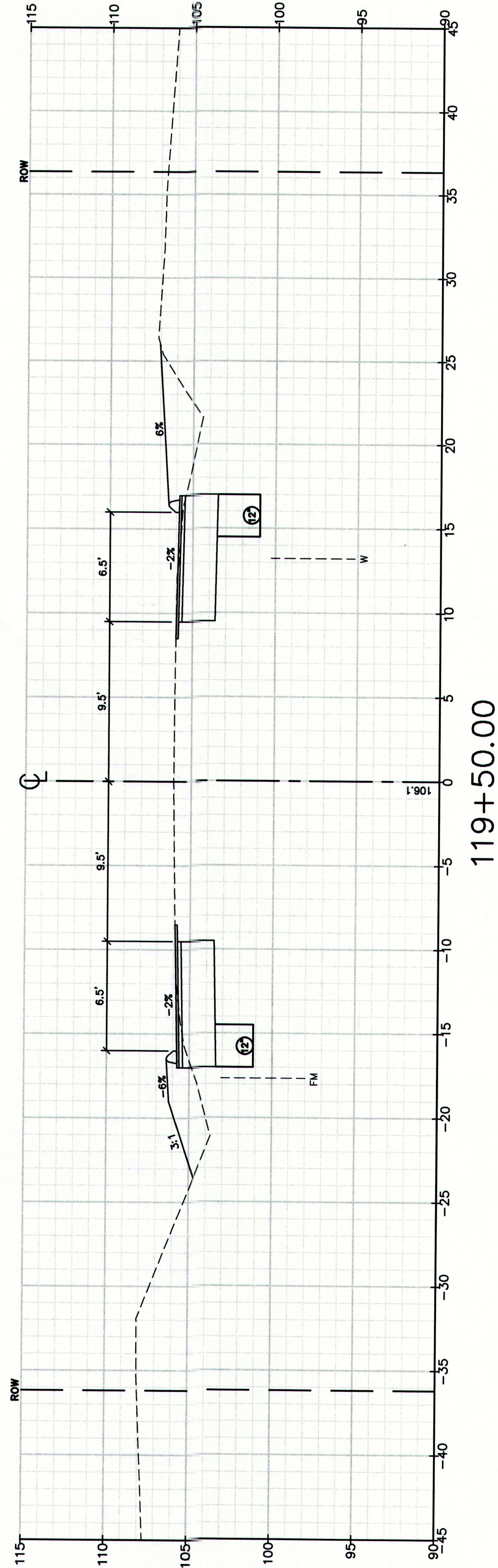
GP Gorrell-Palmer Consulting Engineers, Inc.
P.O. Box 1237
15 Shaker Road
Gray, ME 04039

207-657-6910
207-657-6912
E-Mail: malbox@gorrellpalmer.com

207-657-6910
207-657-6912
E-Mail: malbox@gorrellpalmer.com

Design: RJB
Checked: RCB
Date: DEC 2009
Job No.: 2239

File Name: 2239_XSEC2.dwg
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MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

96

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

Drawing Name:

Project:

Client:

GP Gorrell-Palmer Consulting Engineers, Inc.

P.O. Box 1237
15 Shaker Road
Gray, ME 04039

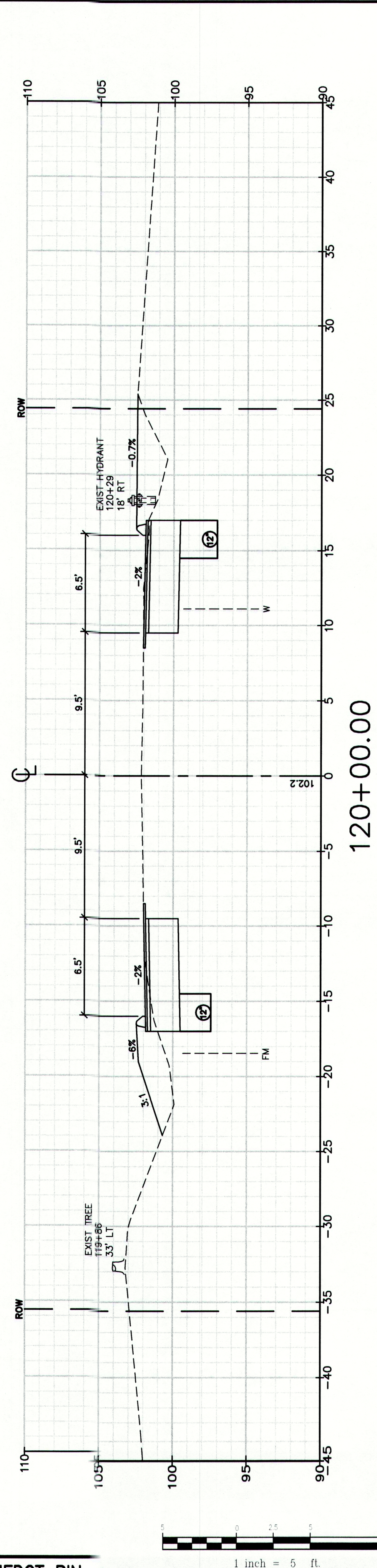
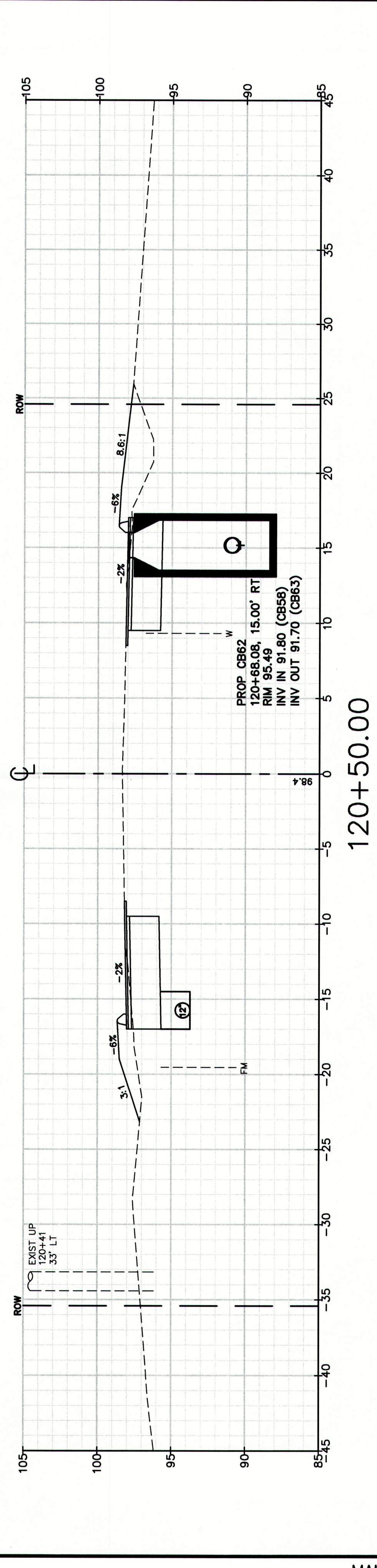
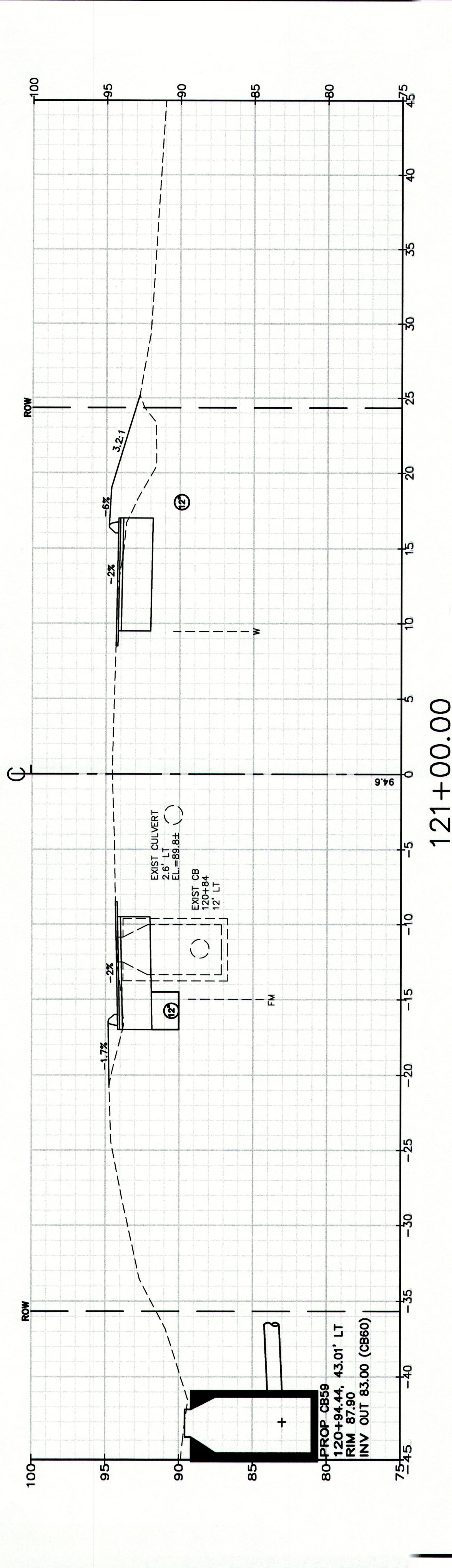
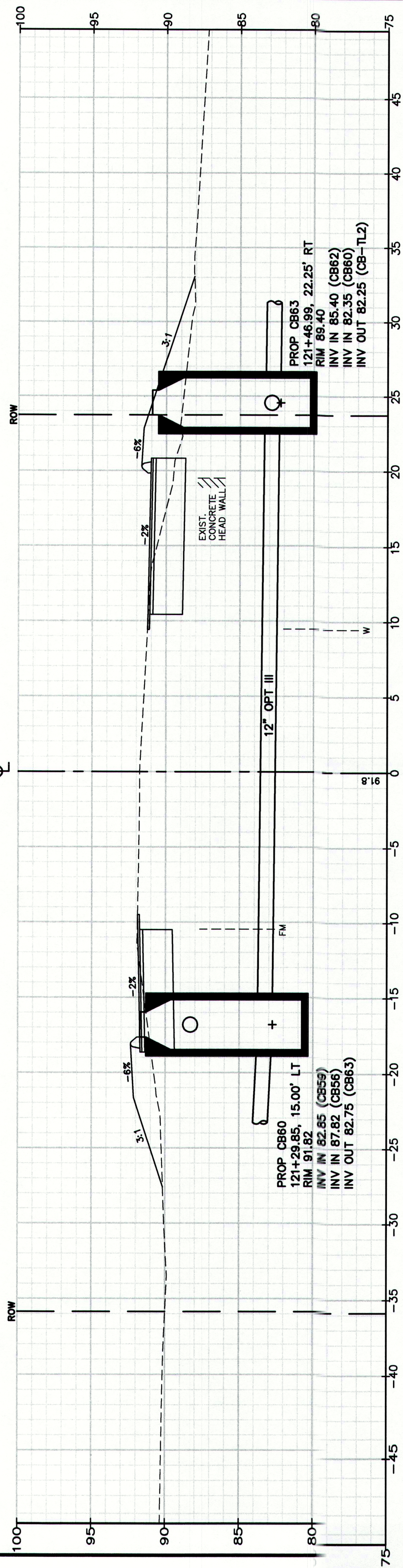
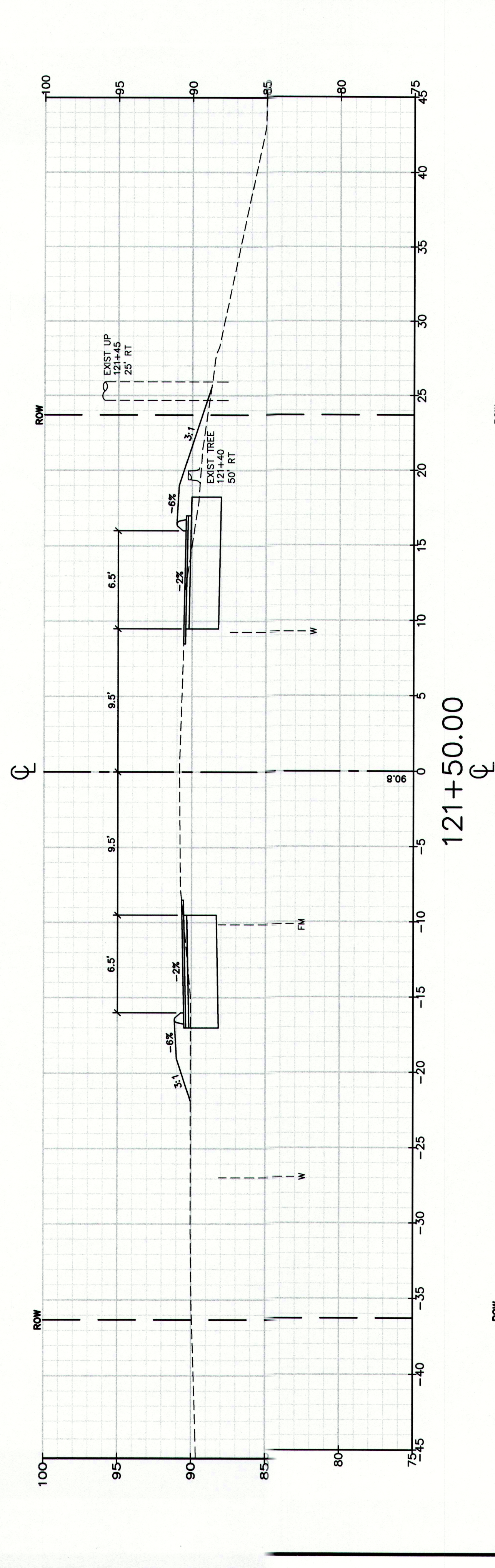
Engineering Excellence Since 1998

207-657-6910

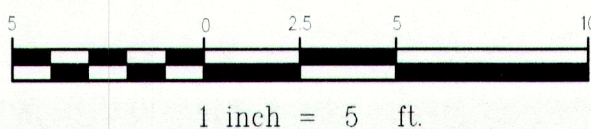
FAX: 207-657-6912

E-Mail: mailbox@gorrellpalmer.com

Design: RUB
Checked: RCN
File Name: 2239_XSEC2.dwg
Date: DEC 2009
Job No.: 2239
Scale:
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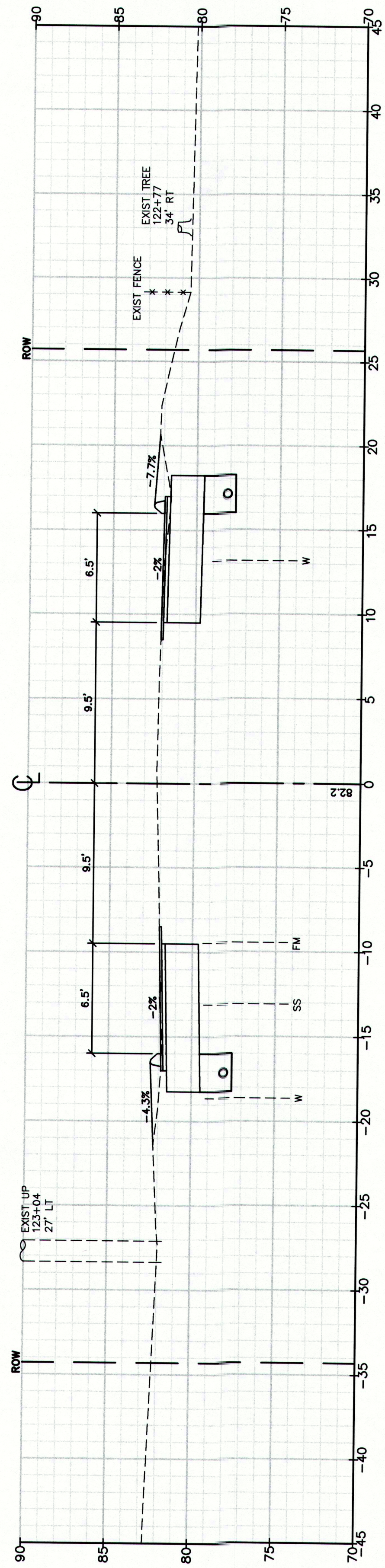


MAINEDOT PIN

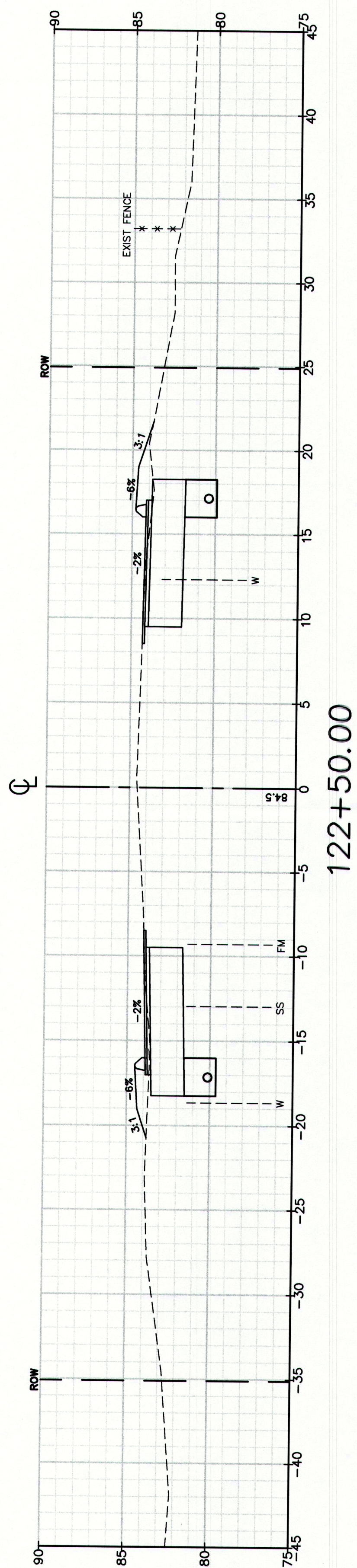


Drawing No. 97	Cross Sections		Gorill-Palmer Consulting Engineers, Inc. PO Box 1237 15 Shaker Road Gray, ME 04039 E-Mail: mailbox@gorillpalmer.com 207-657-6910 FAX: 207-657-6912
	Route 88 & Tuttle Road Ramps Cumberland, Maine Town of Cumberland 290 Tuttle Road, Cumberland, ME 04021		

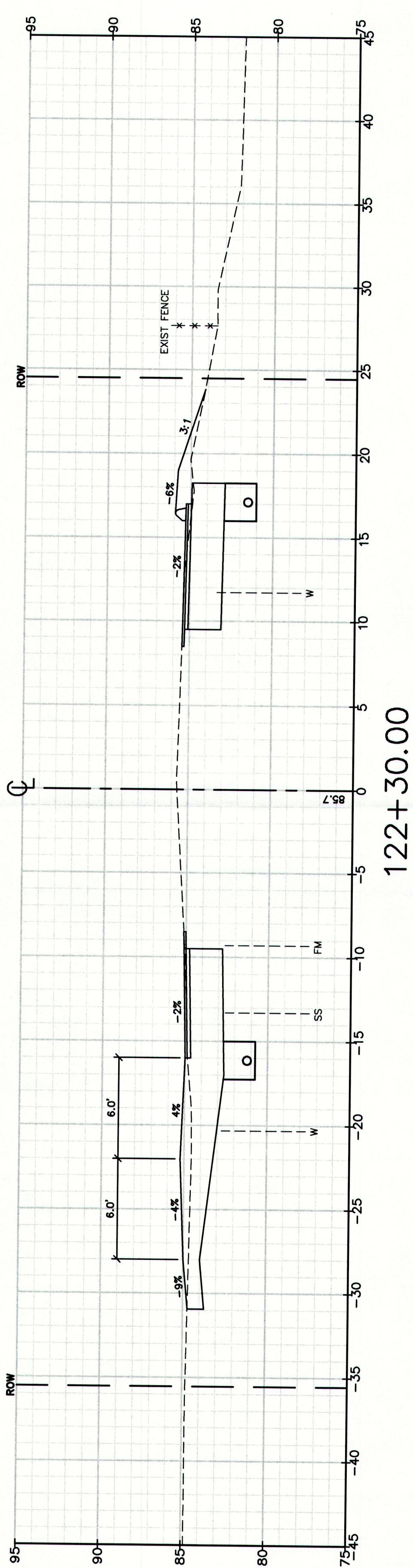
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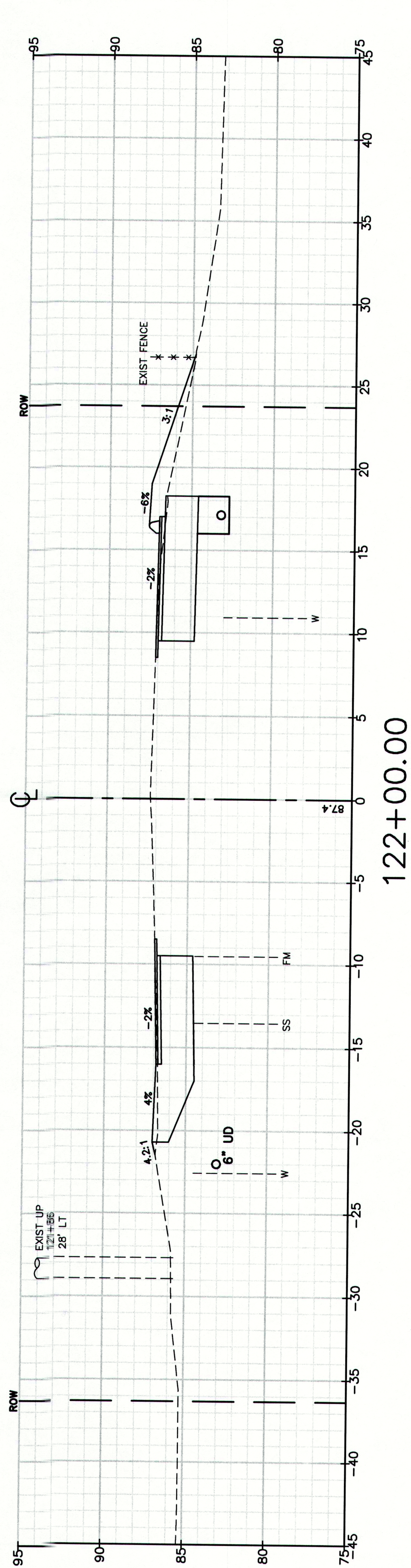
123+00.00



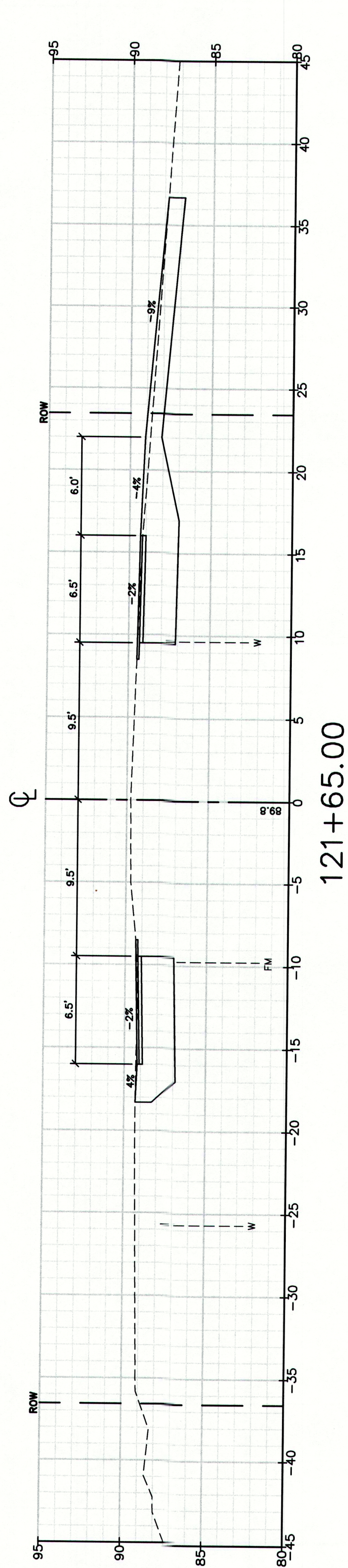
122+50.00



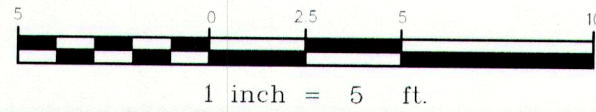
122+30.00



122+00.00



121+65.00



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.

98

Cross Sections

Route 88 & Tuttle Road Ramps

Cumberland, Maine

Town of Cumberland

290 Tuttle Road, Cumberland, ME 04021

Drawing Name:

Project:

Client:

GP Gorrill-Palmer Consulting Engineers, Inc.

PO Box 1237 Engineering Excellence Since 1998 207-657-6910

15 Shaker Road FAX: 207-657-6912

Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

Design: RLB

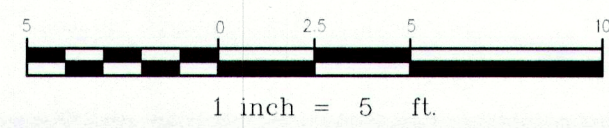
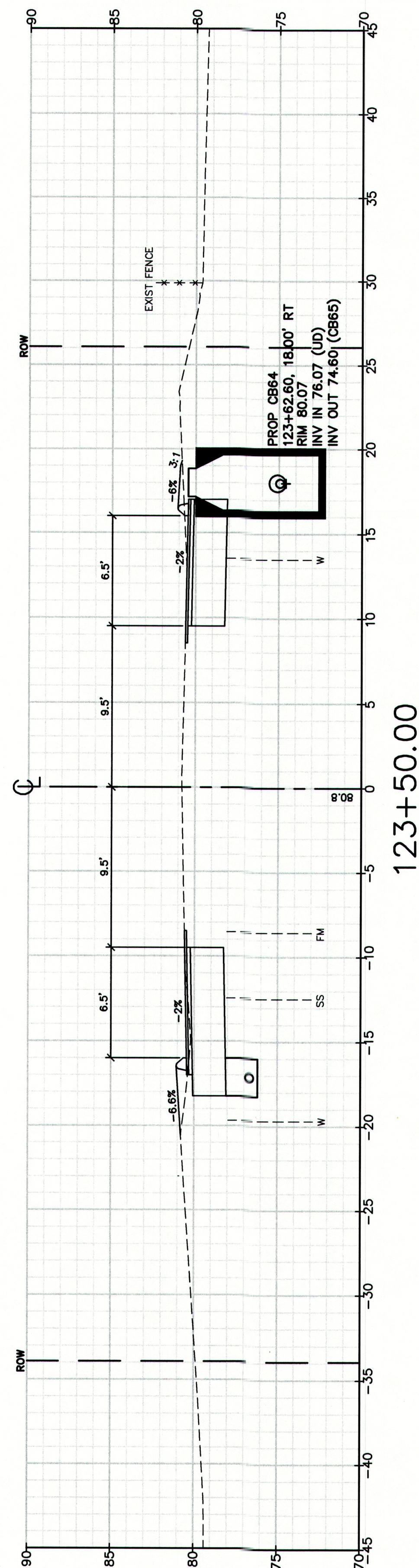
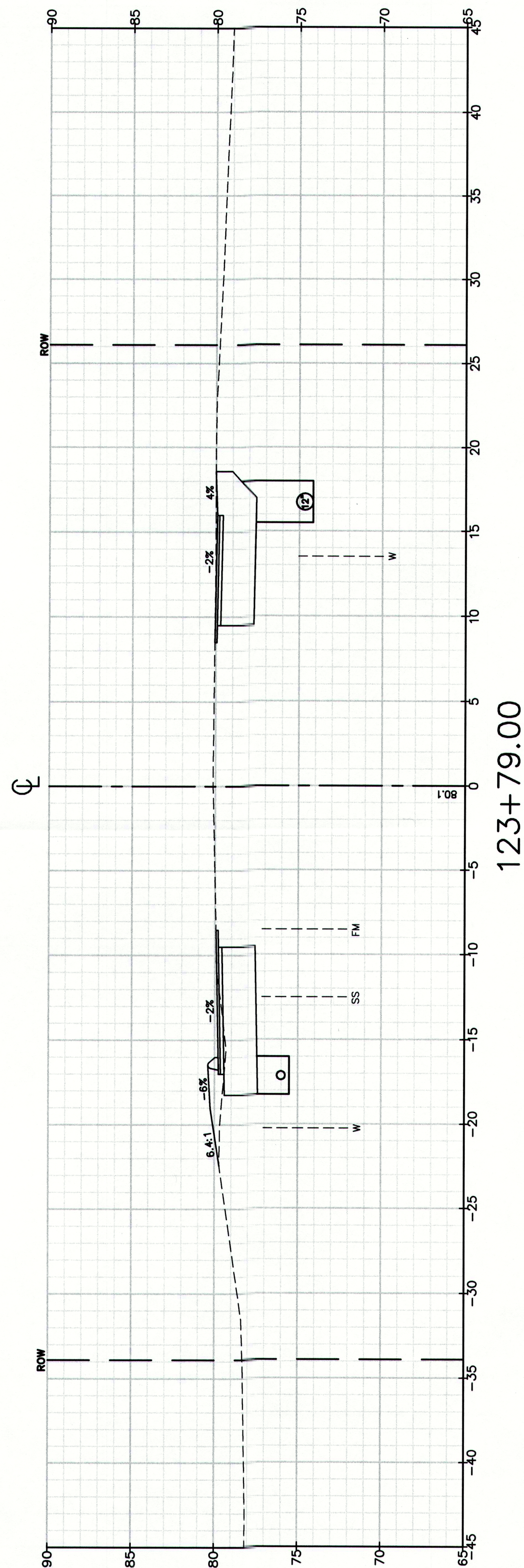
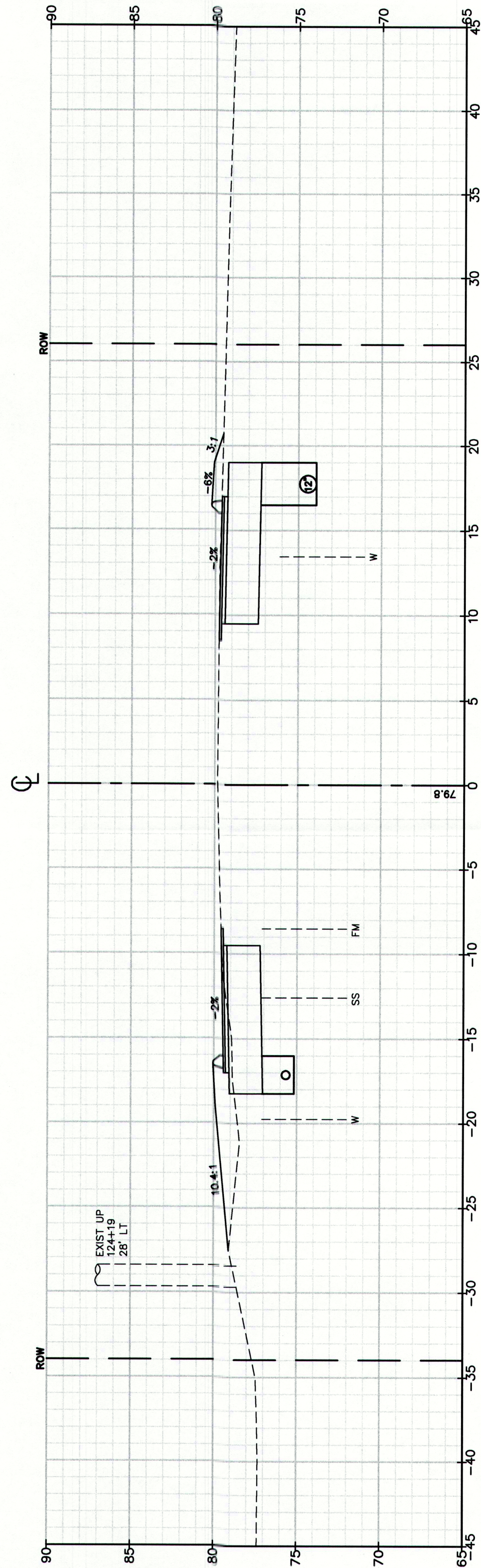
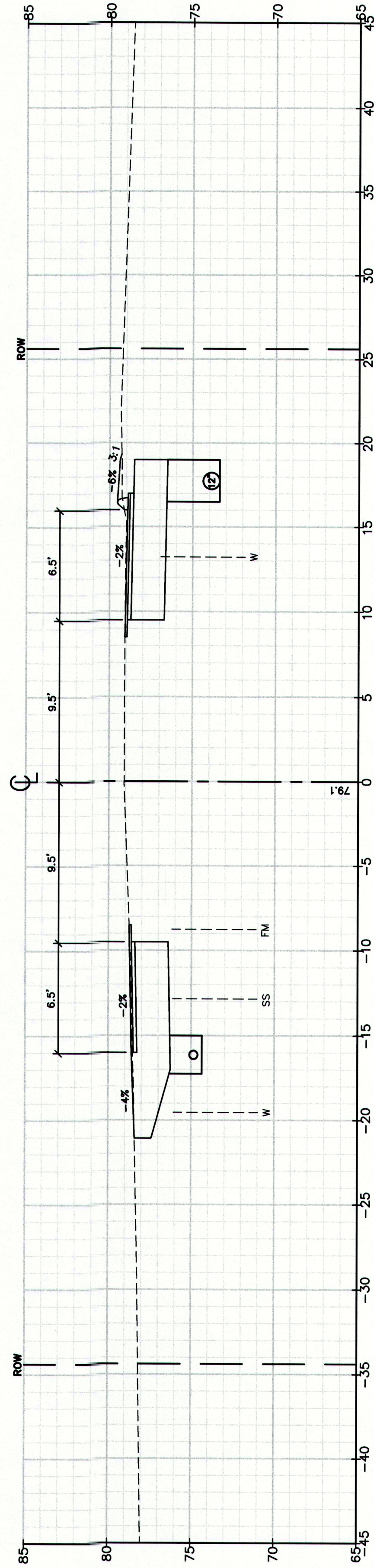
Checked: RLB

File Name: 2239_XSEC2.dwg

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Date DEC 2009

Job No. 2239



MAINEDOT PIN

CUMBERLAND, ROUTE 88

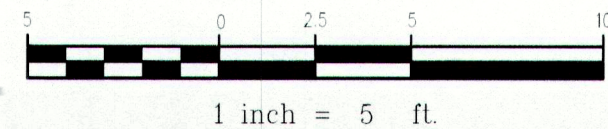
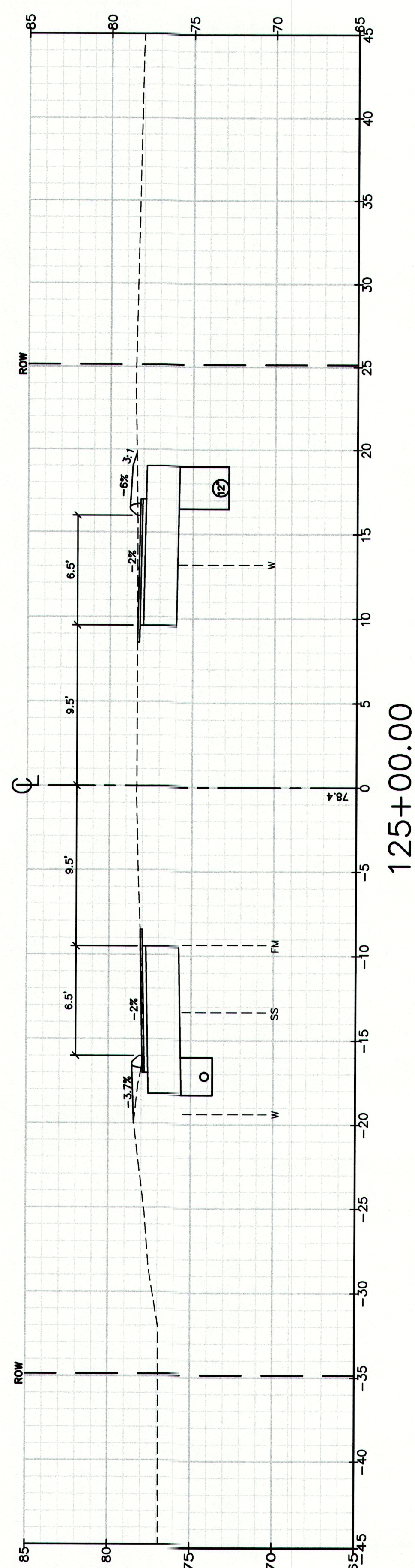
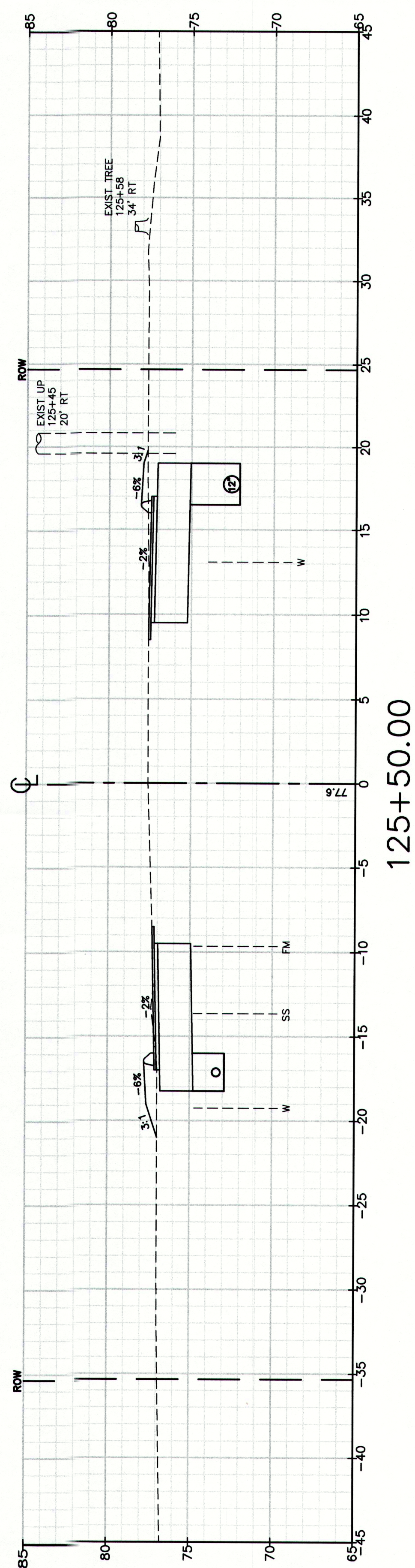
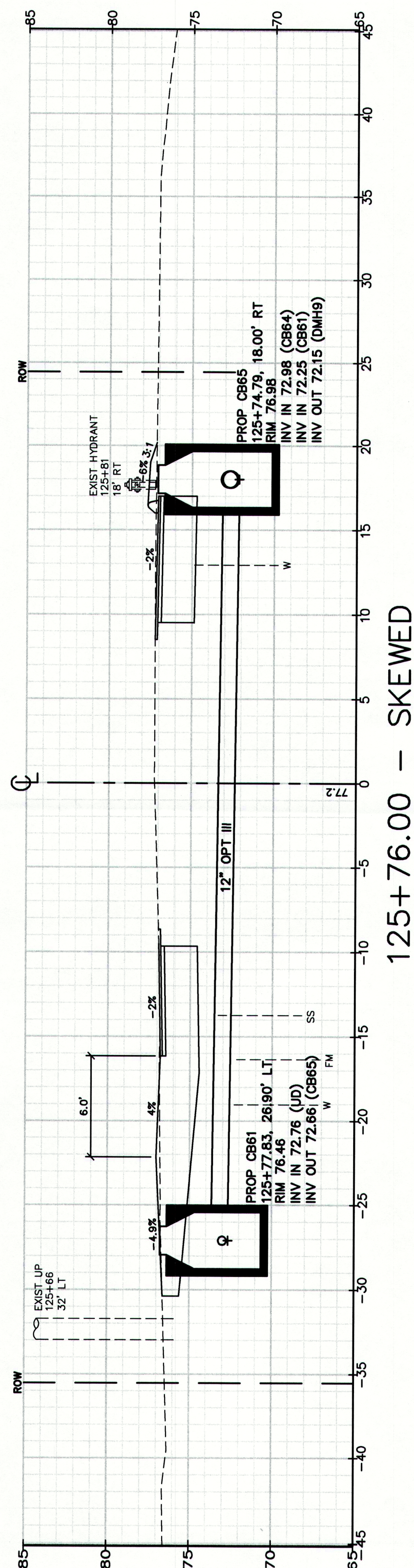
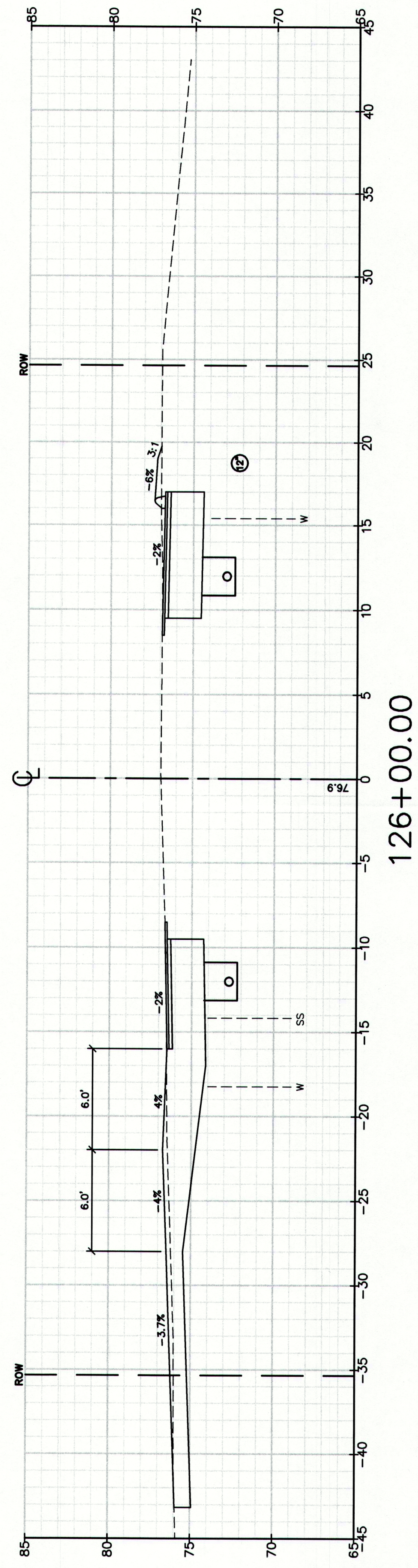
Drawing No.
99

Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

GP Gorrill-Palmer Consulting Engineers, Inc.
Engineering Excellence Since 1998
PO Box 1237
15 Shaker Road
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207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

Design: RUB
Checked: RBN
File Name: 2239_XSEC2.dwg
Date: DEC 2009
Job No.: 2239
Scale:
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STA 123+50 TO STA 124+50



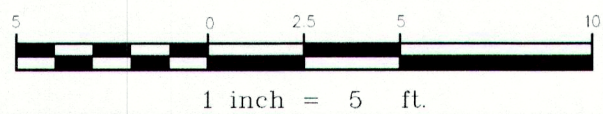
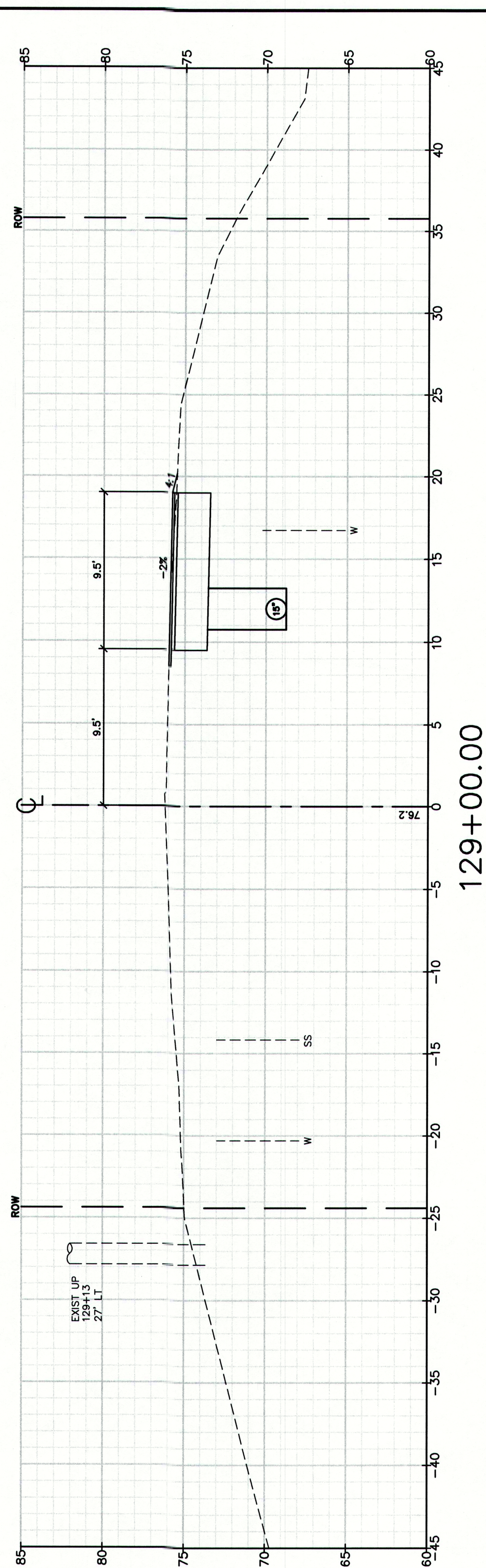
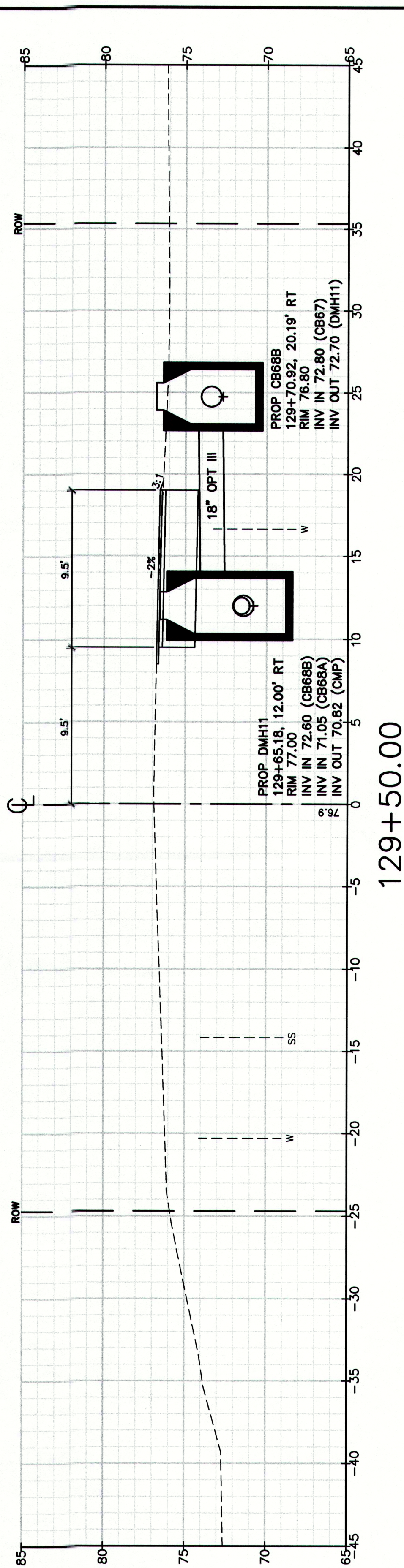
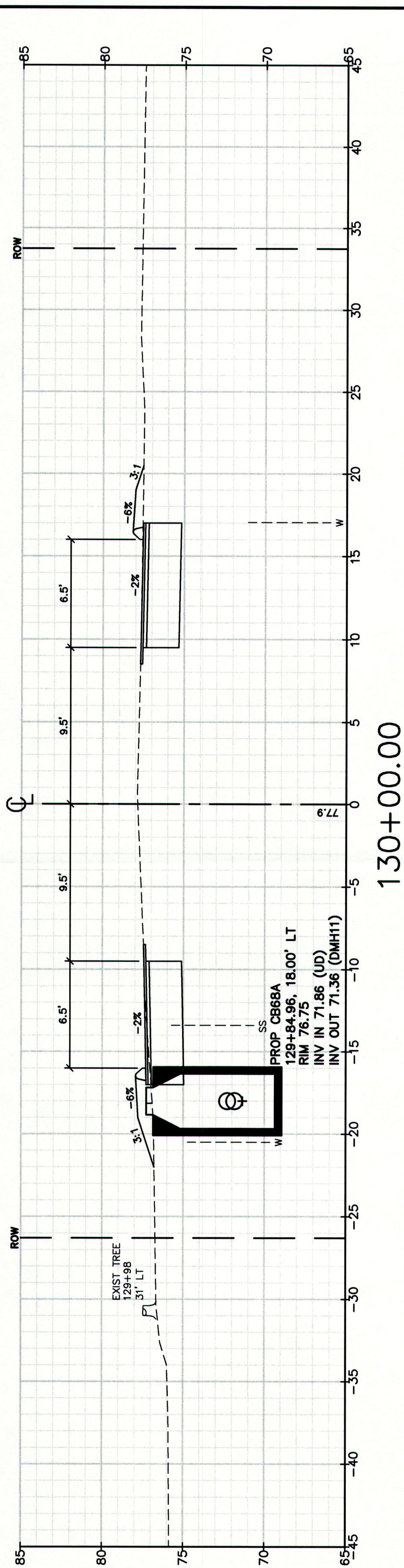
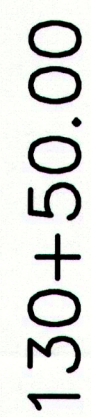
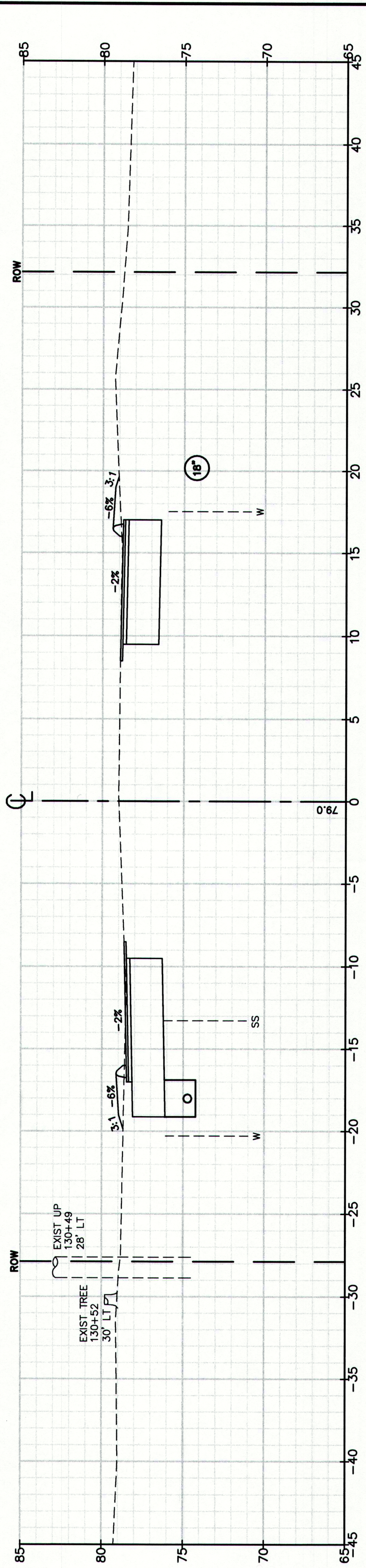
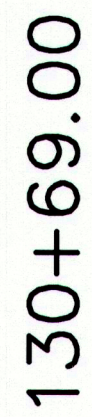
Plan view of a proposed curb and gutter (CB86) at station 128+00.00. The drawing shows a cross-section of the road with a curb height of 13.50' RT, a rim height of 75.10, and an existing ground elevation of 67.78 (CHP). The curb is 9.5' wide on both sides of the centerline. The existing ground is shown as a dashed line, and the proposed curb is shown as a solid line. The centerline is marked with a 'C' and a '0'.

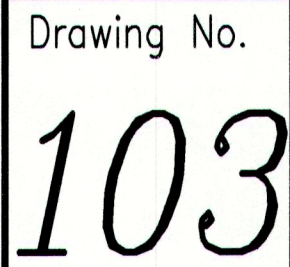
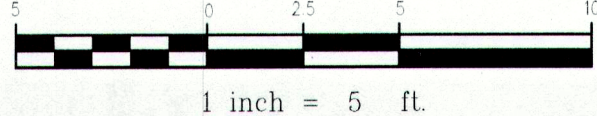
Plan view of a bridge structure showing two spans. The structure is oriented horizontally with a centerline marked by a dashed line. The left span has a length of 9.5' and a width of 6.0'. The right span has a length of 9.5' and a width of 6.5'. The bridge is supported by two piers, each with a width of 6.5'. The elevations at the piers are 75.0' and 75.5'. The bridge deck has a 15% slope on the left side and a 10% slope on the right side. The bridge is labeled with 'ROW' (Right of Way) and 'SS' (Shoulder) lines. The elevation at the right end is 127+00.00.

1 inch = 5 ft.

CUMBERLAND, ROUTE 88

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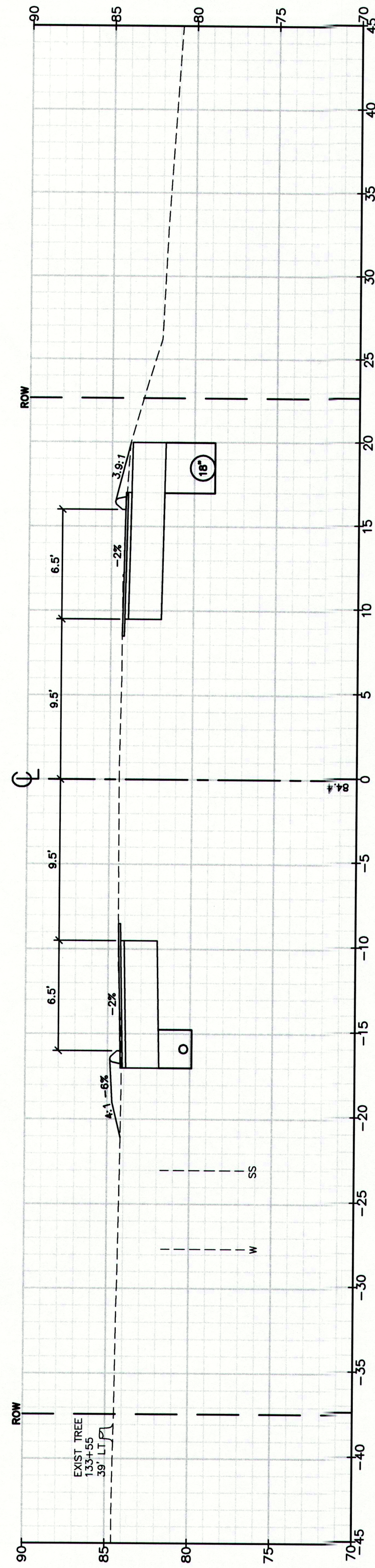




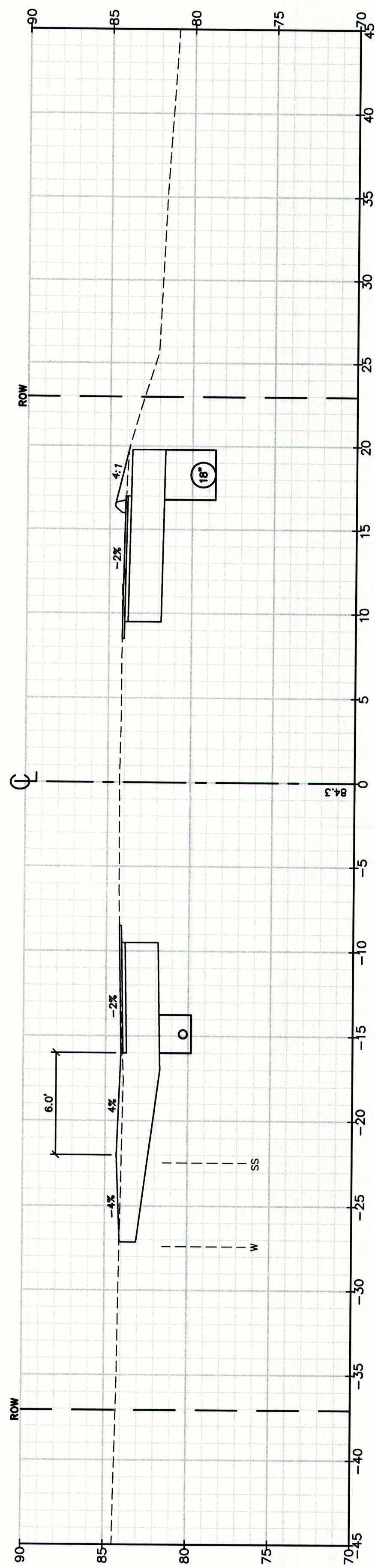
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 15 Shaker Road FAX: 207-657-6912
 Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com

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Checked: RON	Scale:	Job No.: 2239
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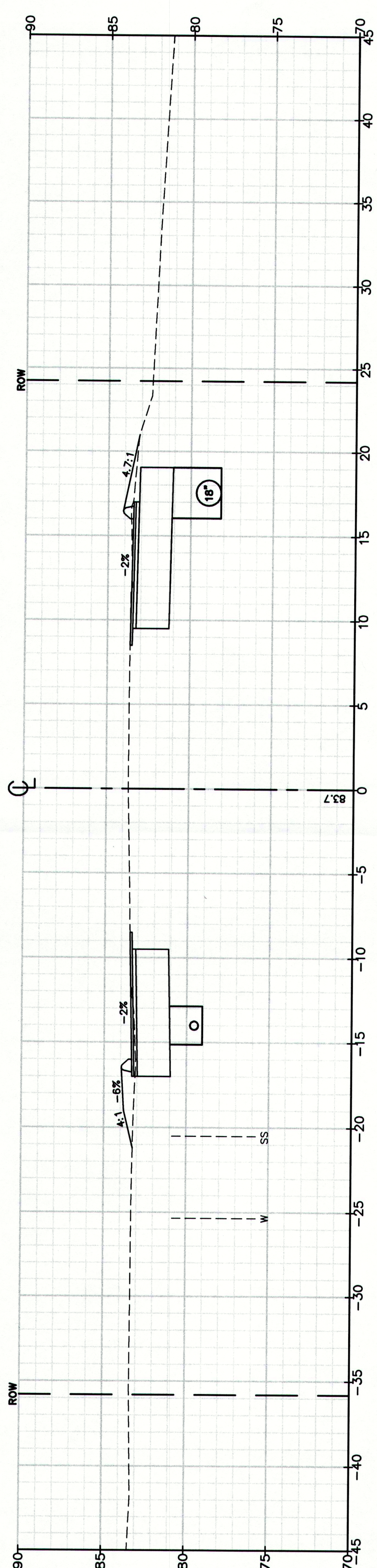
STA 131+00 TO STA 132+00



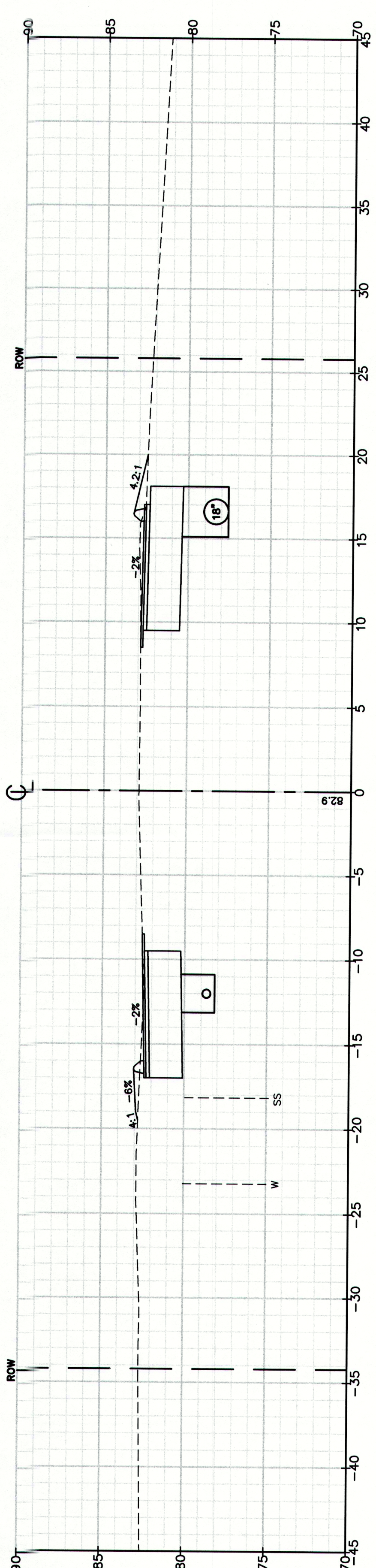
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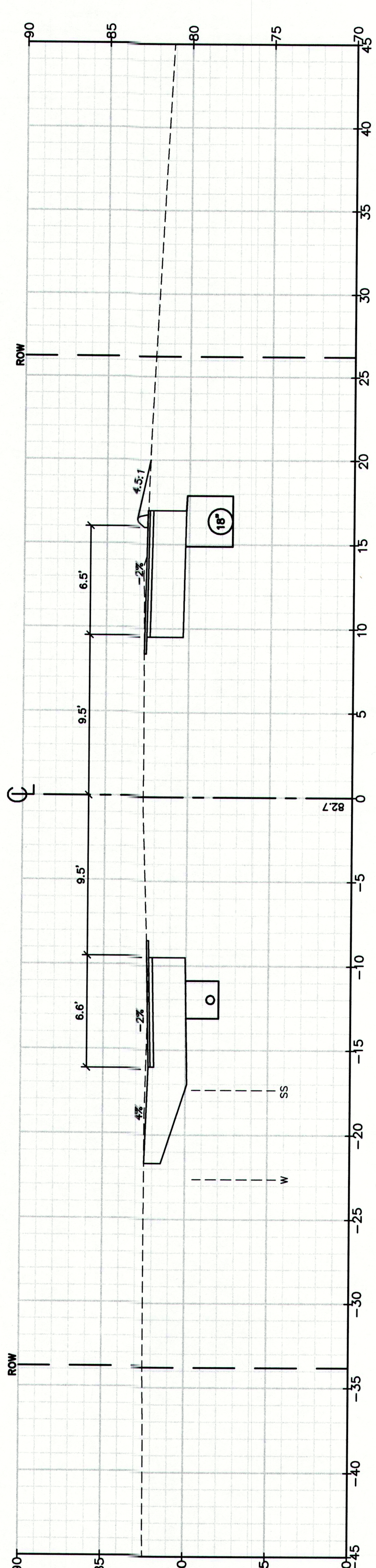
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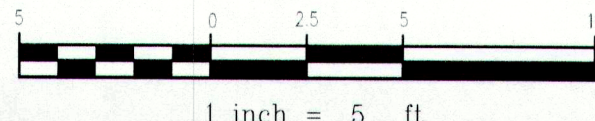
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132+50.00



132+37.00



MAINEDOT PIN

Drawing No.
104

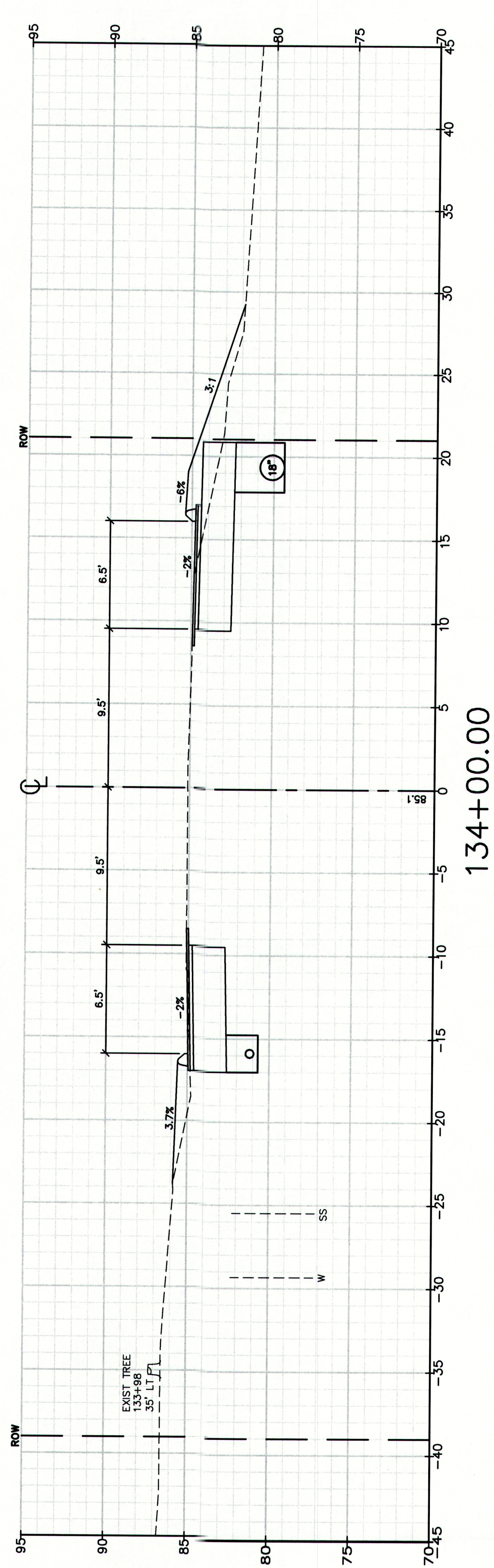
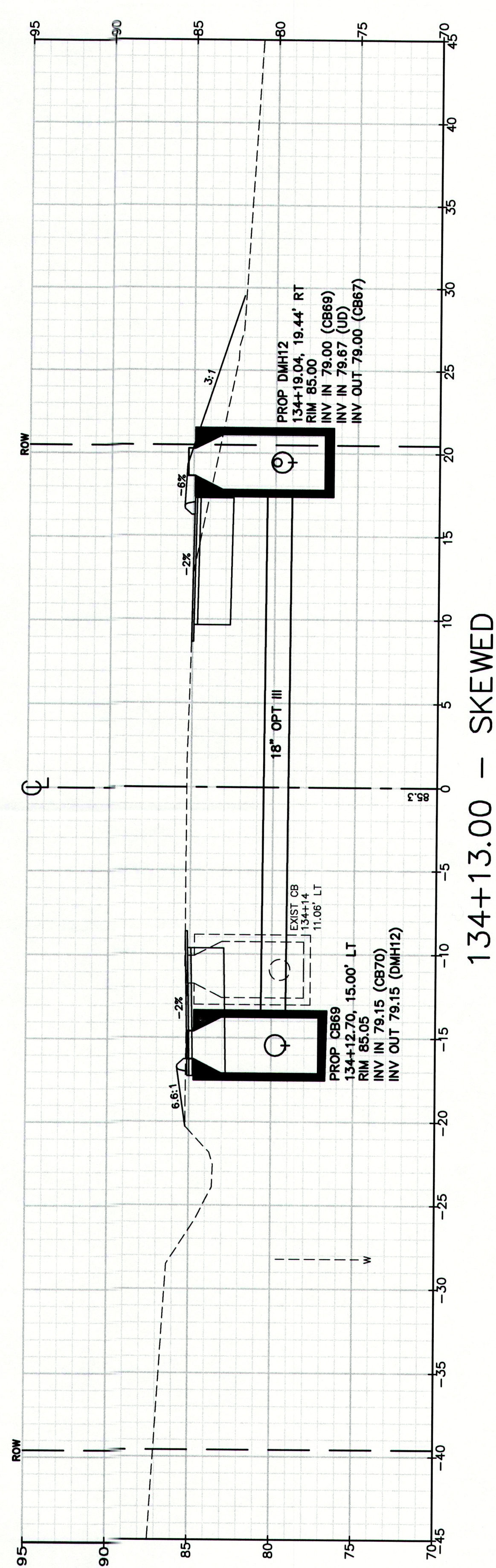
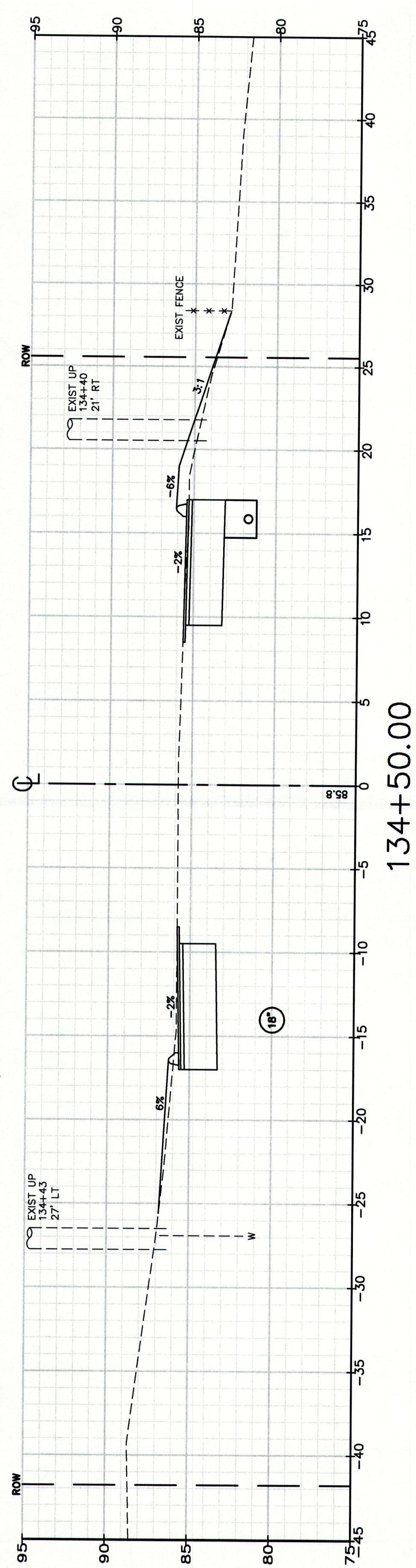
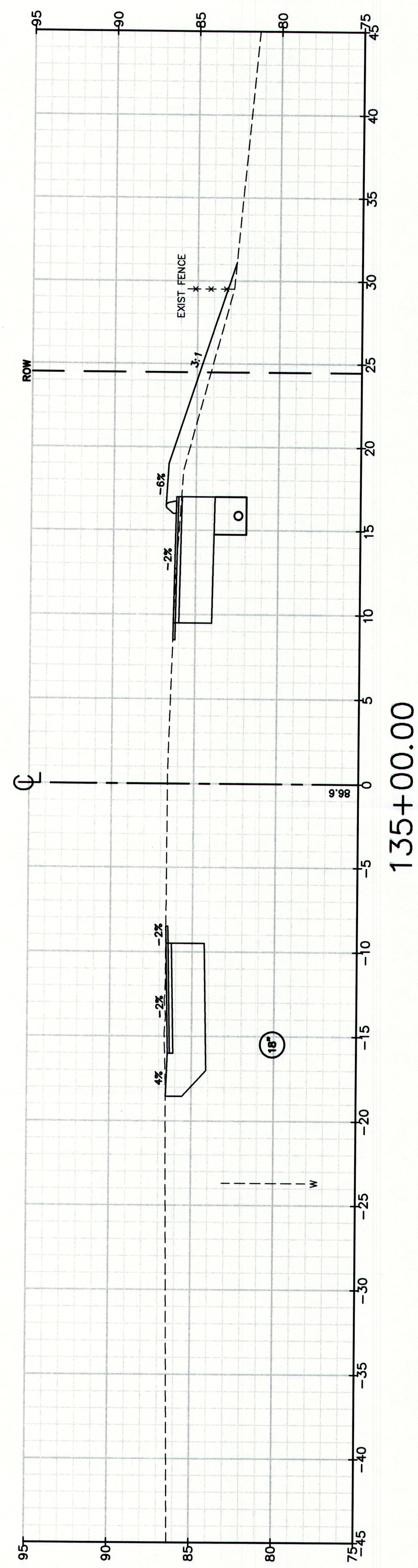
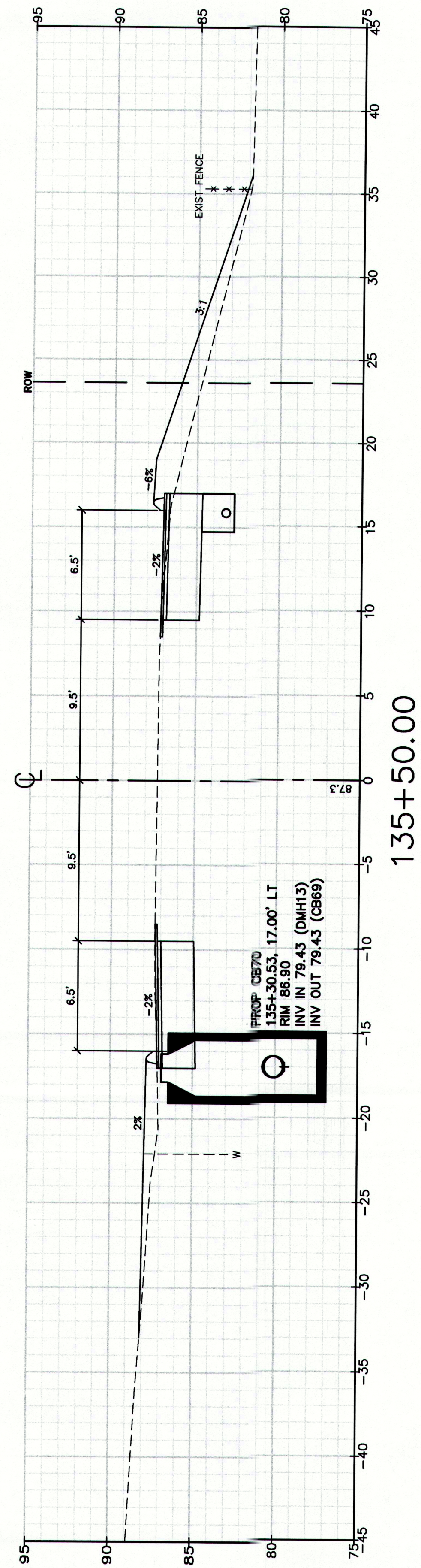
Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

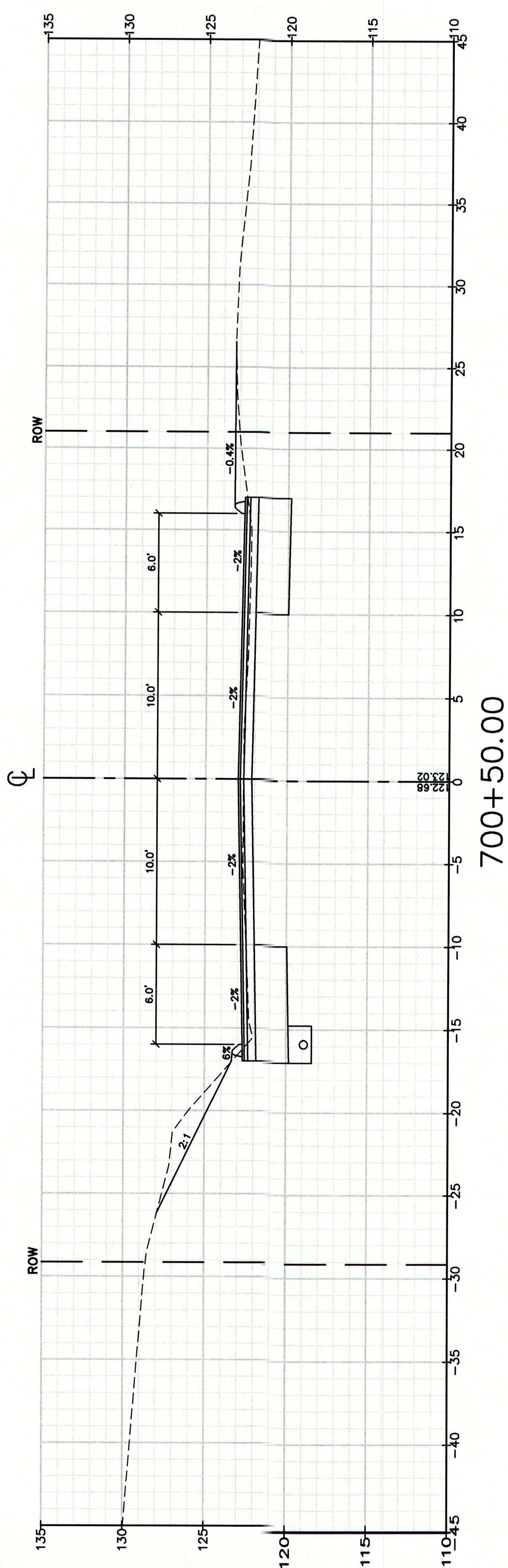
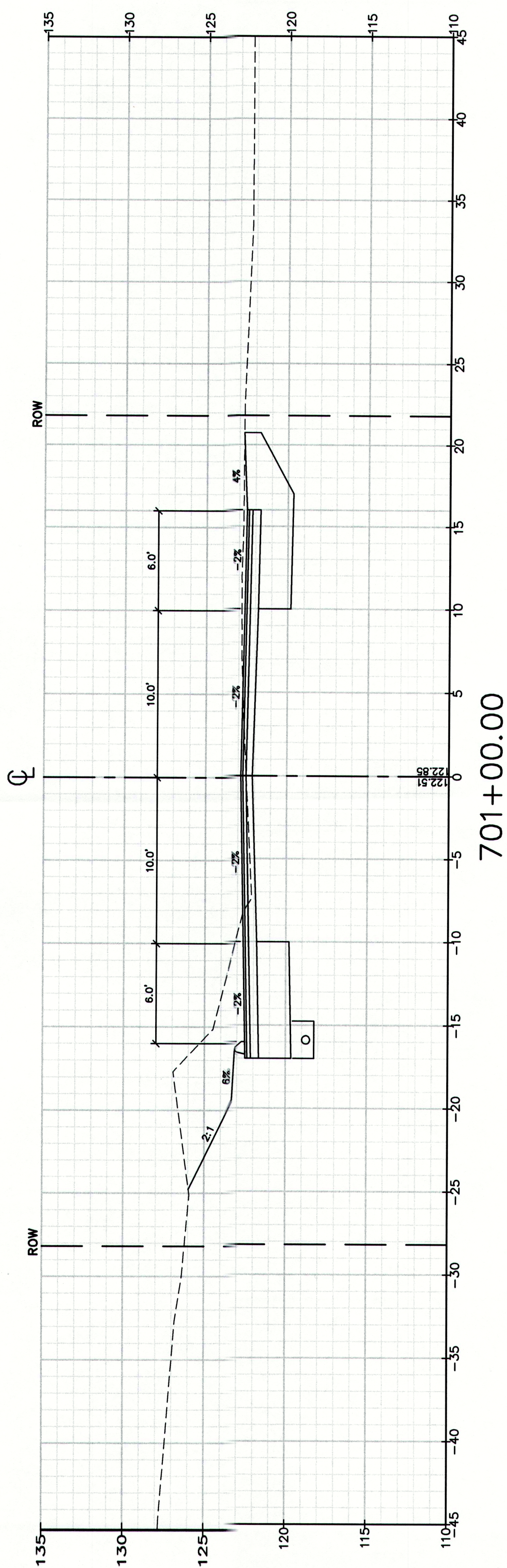
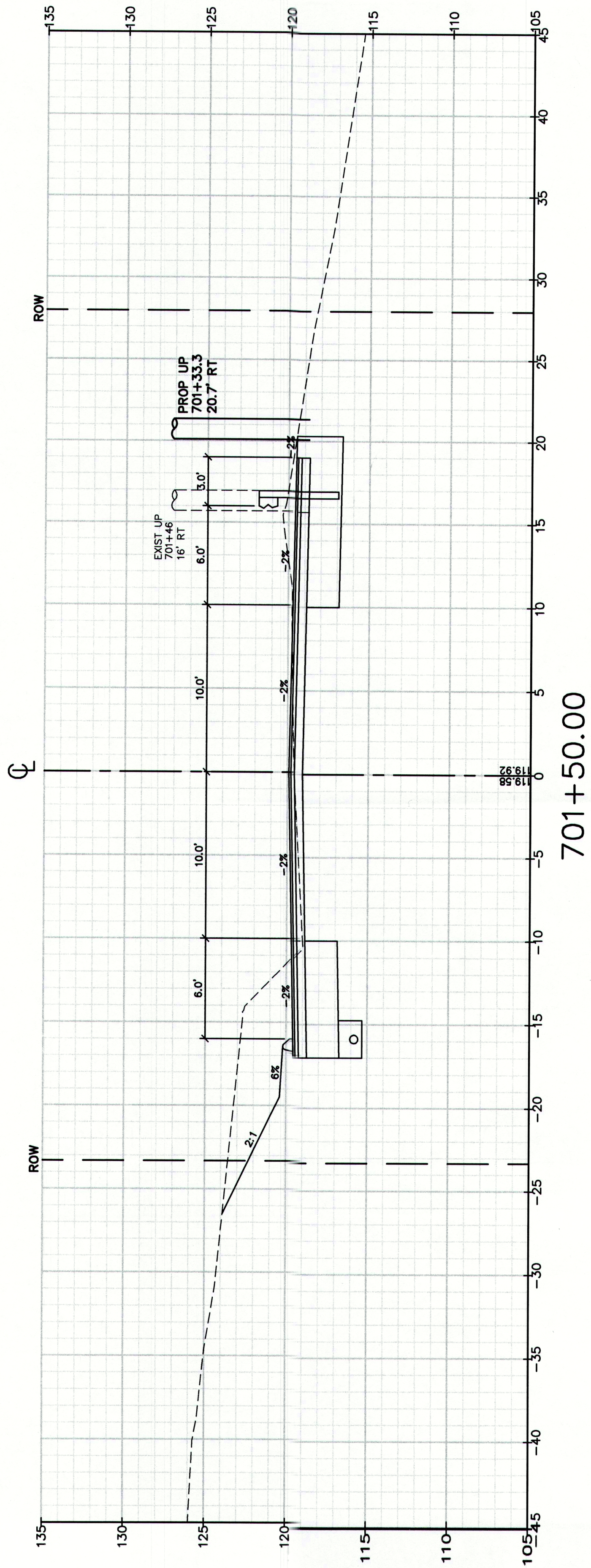
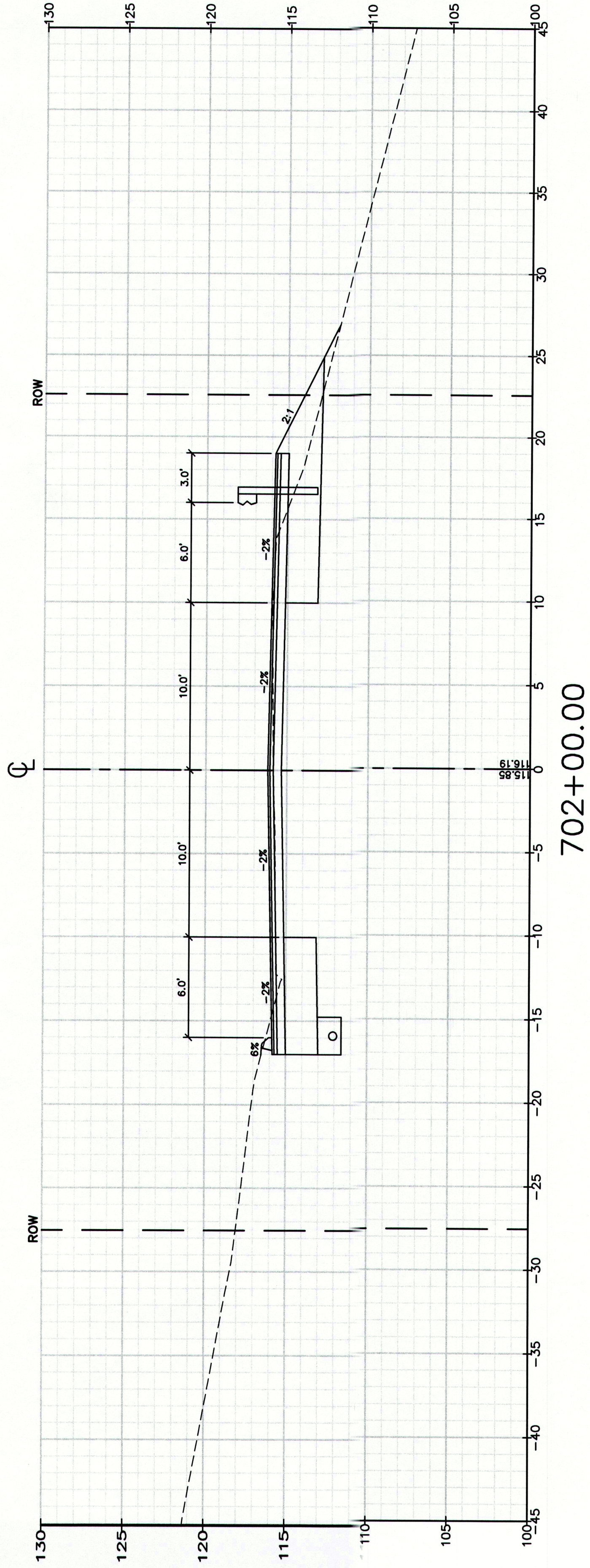
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Gray, ME 04039
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207-657-6912
E-Mail: mailbox@gorrellpalmer.com

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Checked: RCM
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Draft: DB
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Date: DEC 2009
Job No.: 2239

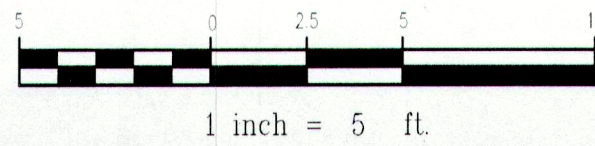
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STA 132+37 TO STA 133+50





MAINEDOT PIN

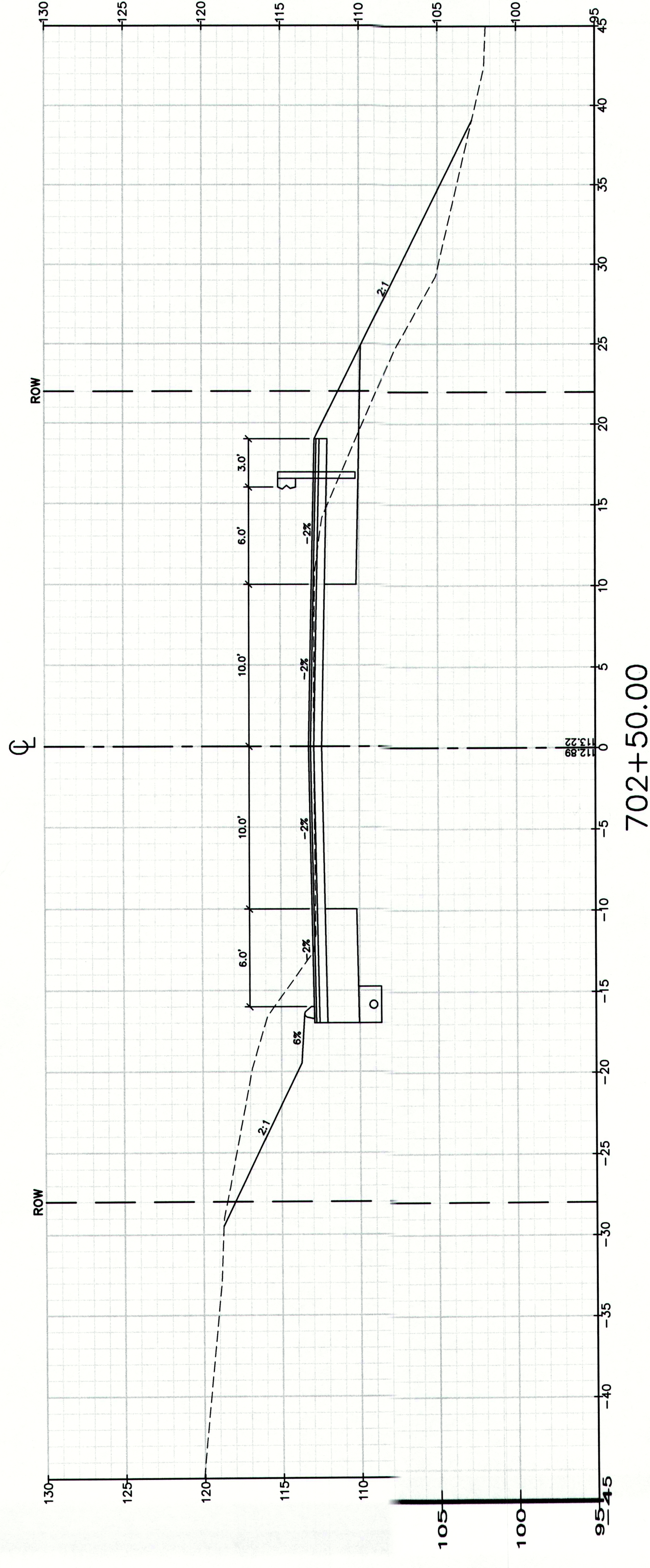
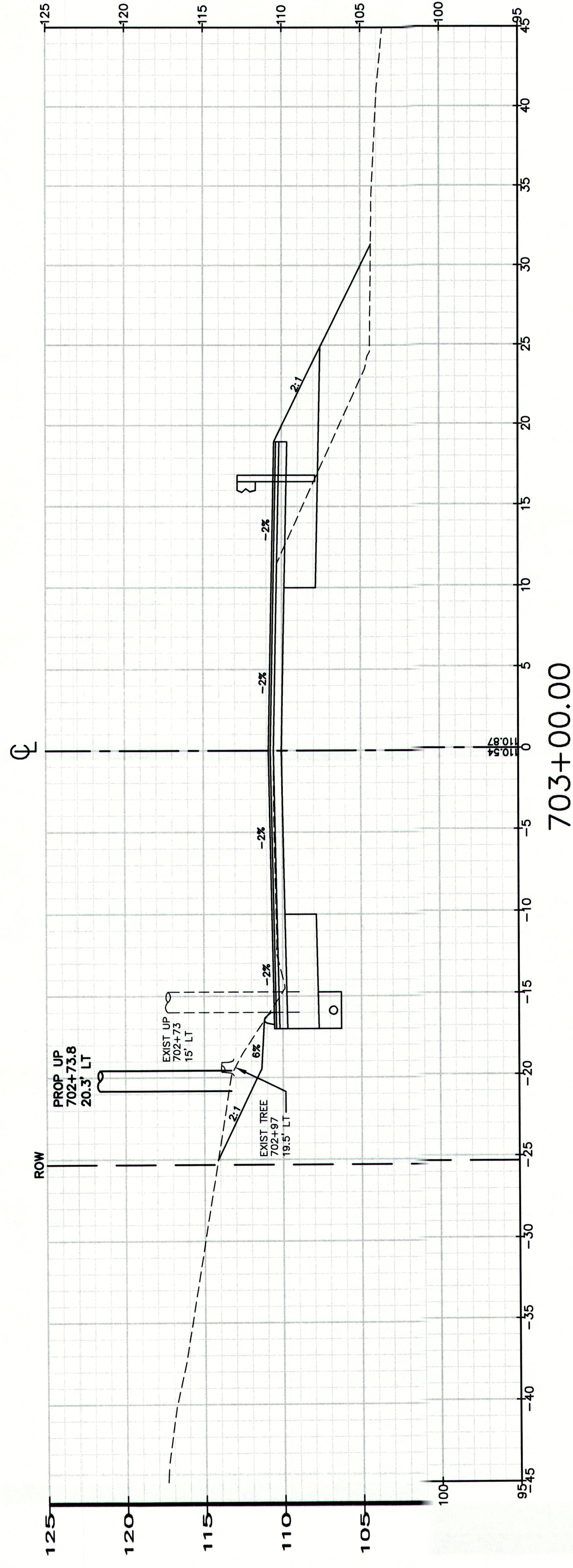
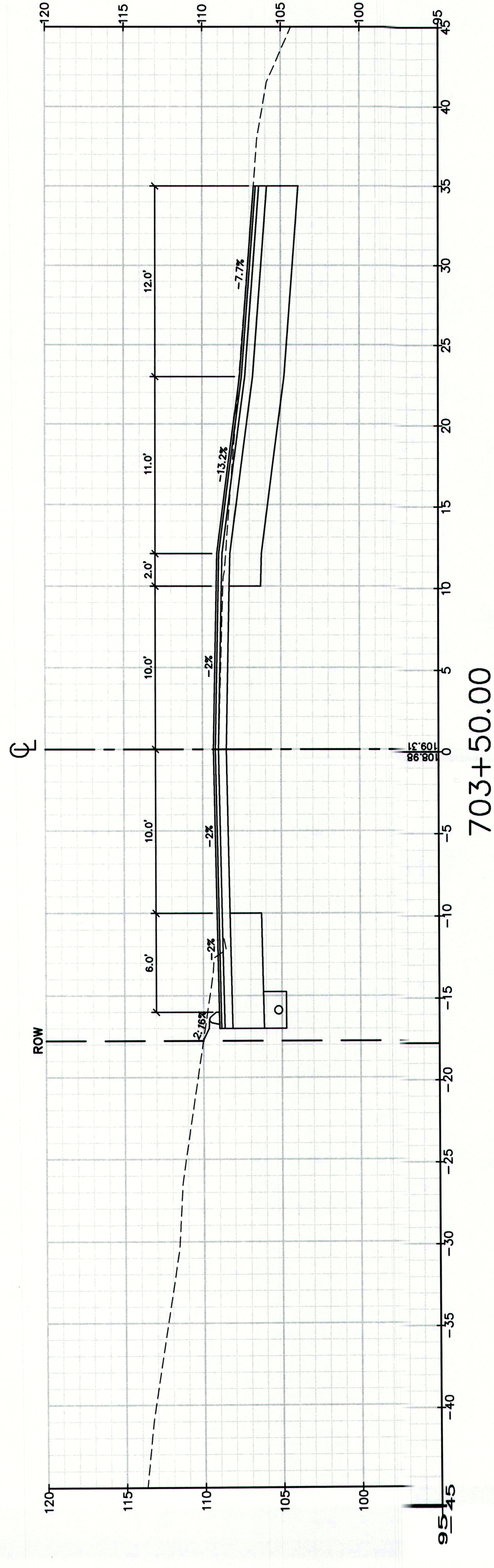
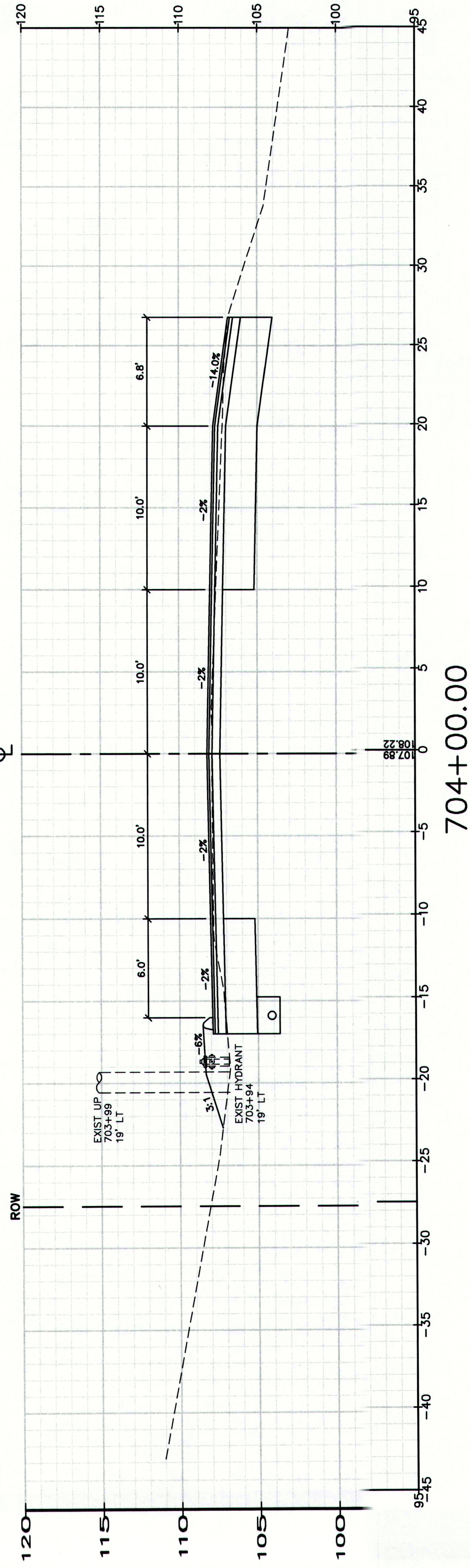


Drawing No.
106

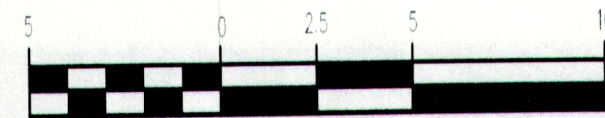
Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

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File Name: 2239_XSEC3_TUTTLE.dwg
Date: DEC 2009
Draft: DB
Scale:
Job No.: 2239
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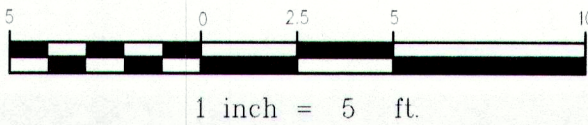
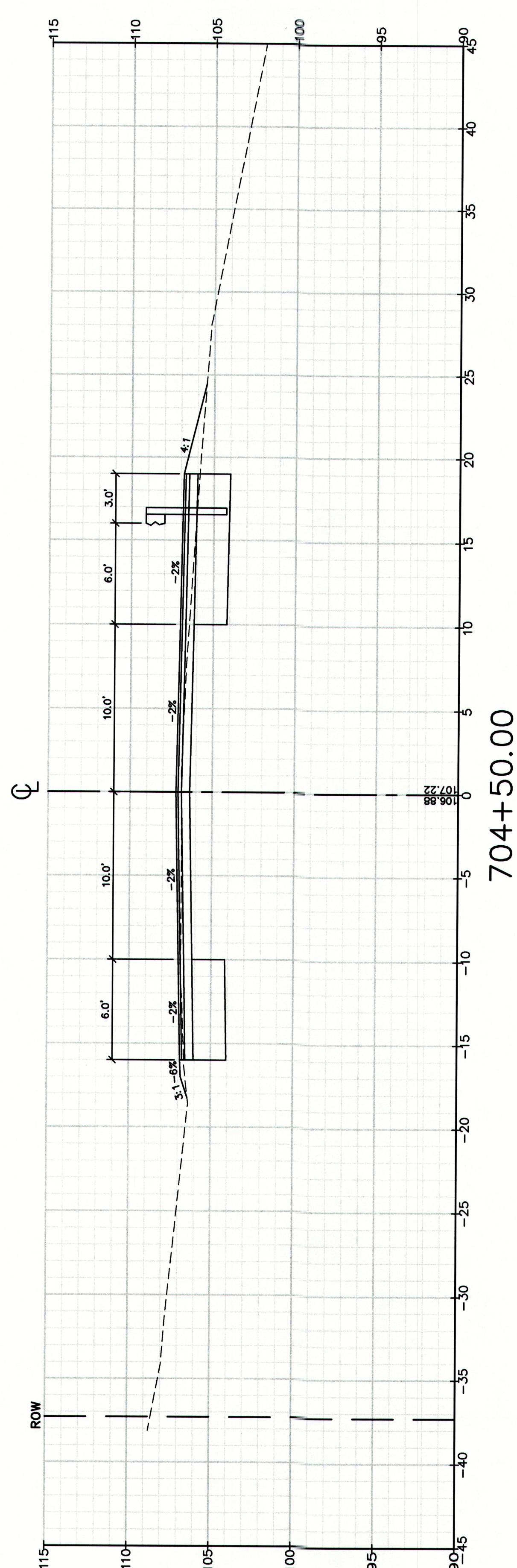
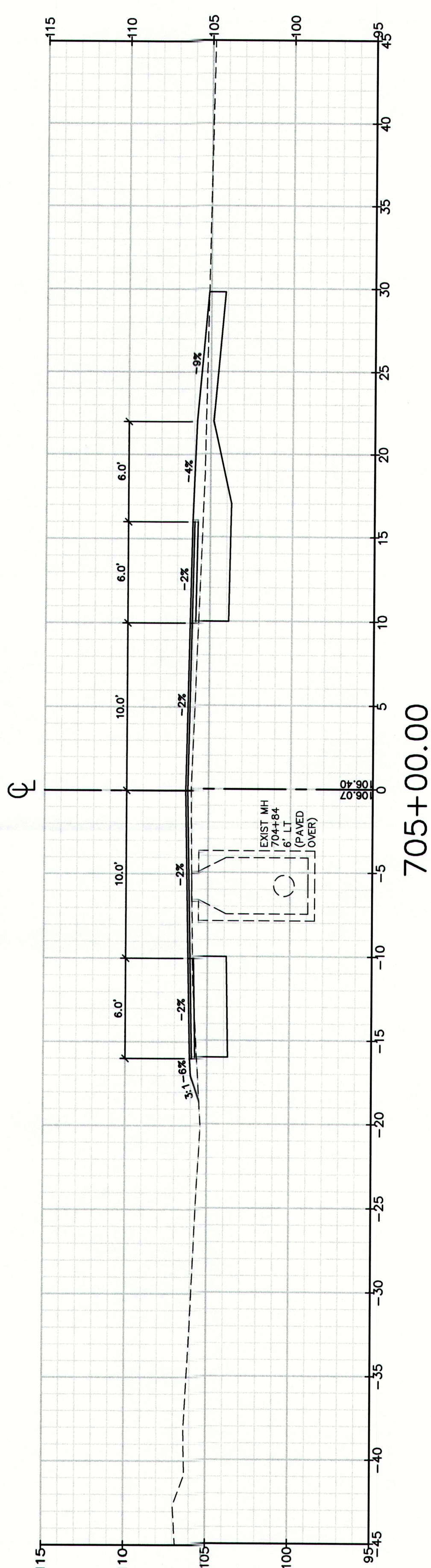
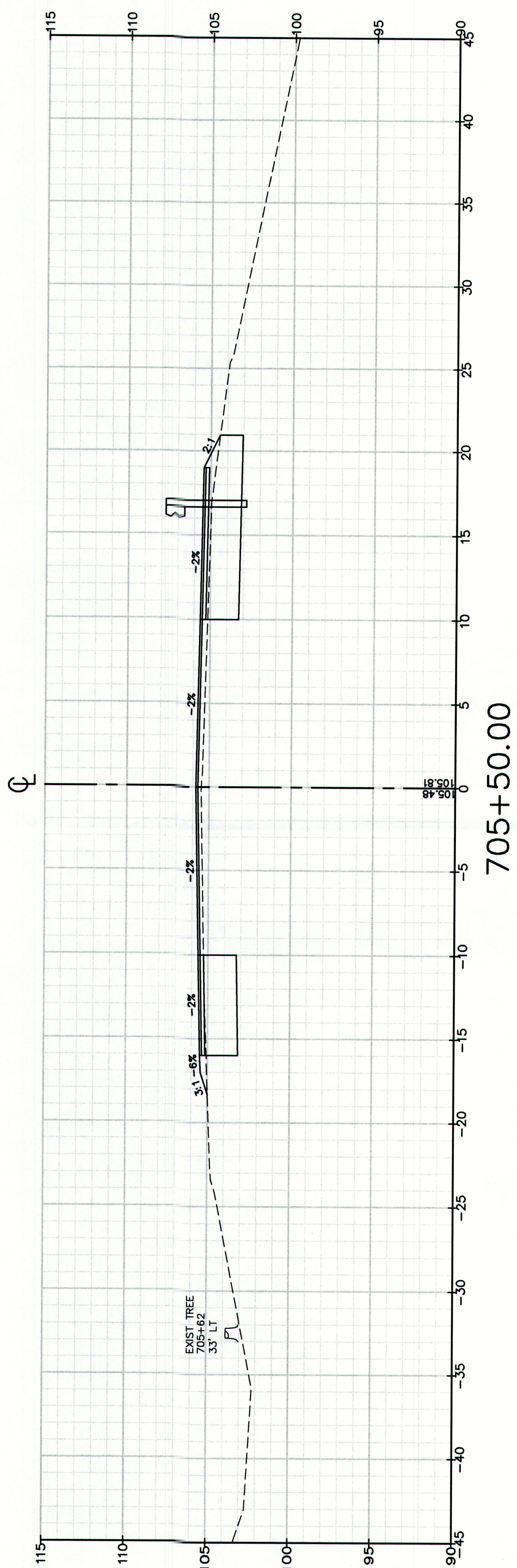
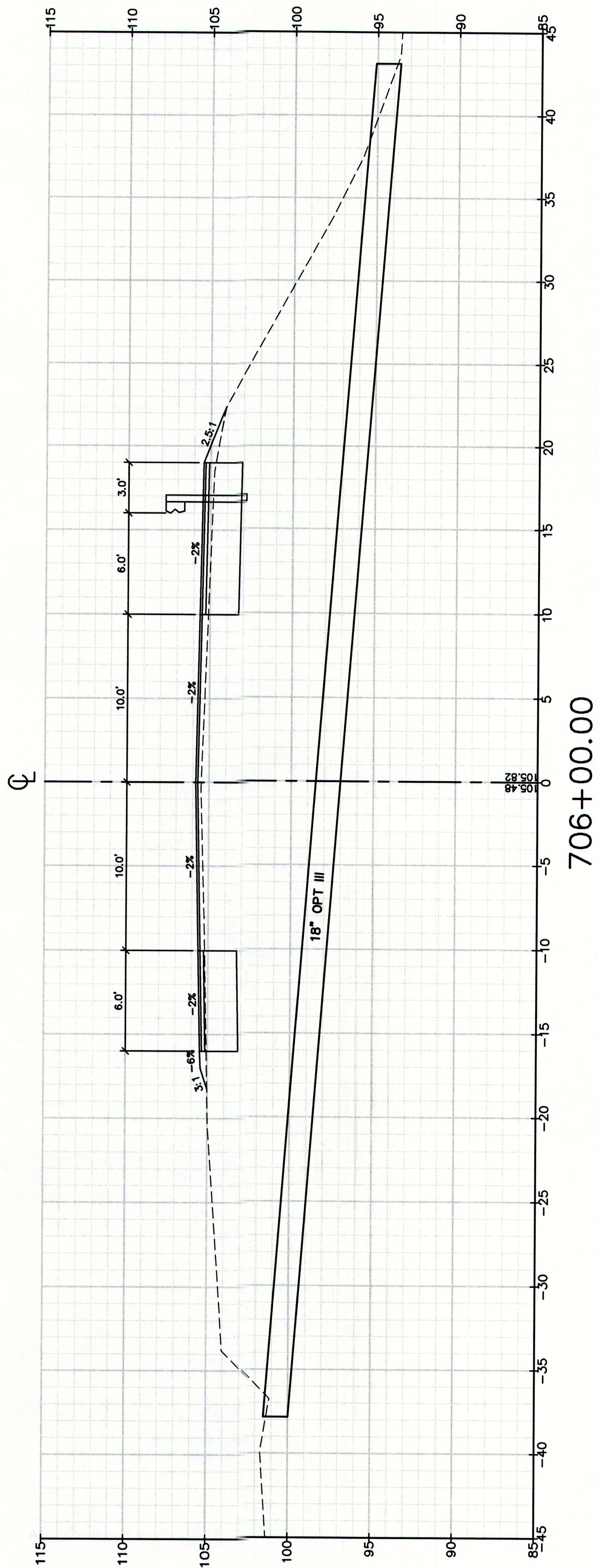


Drawing No.
107

Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

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CUMBERLAND, ROUTE 88

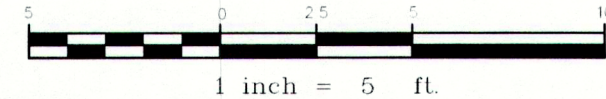
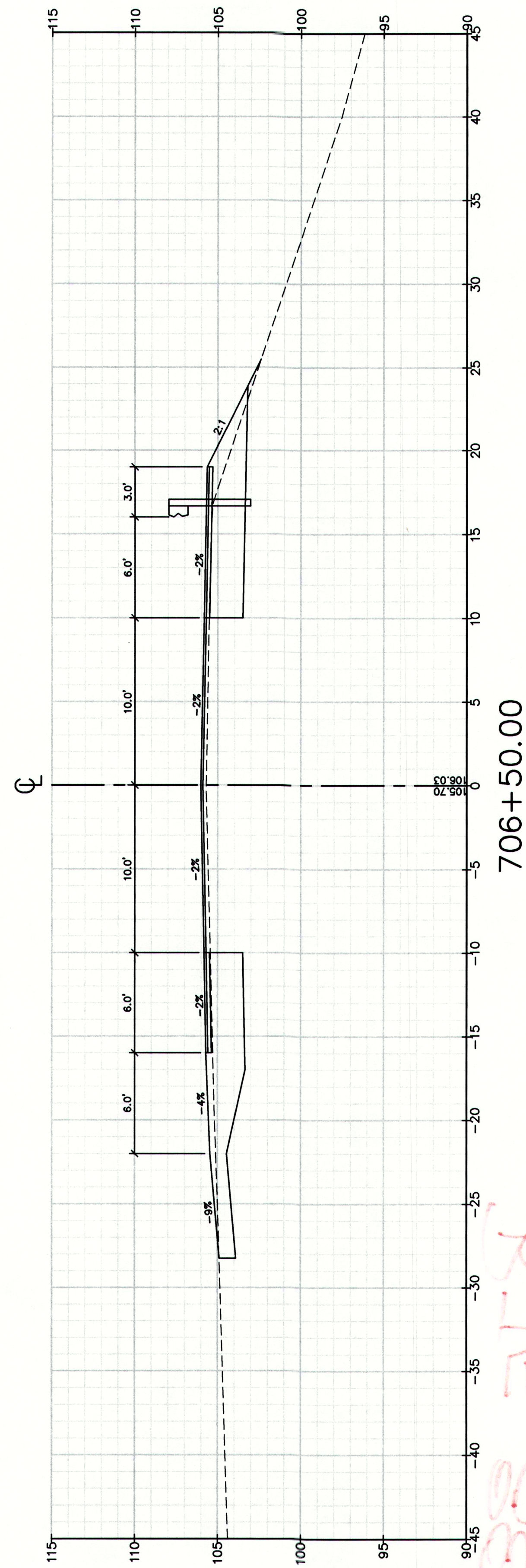
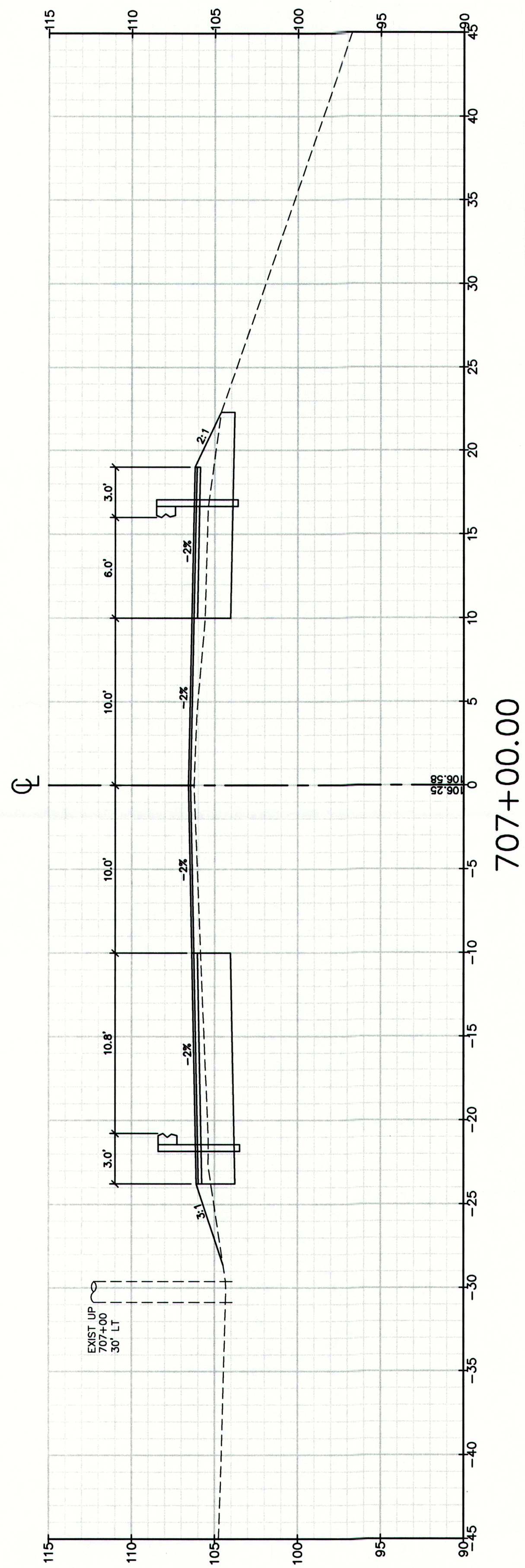
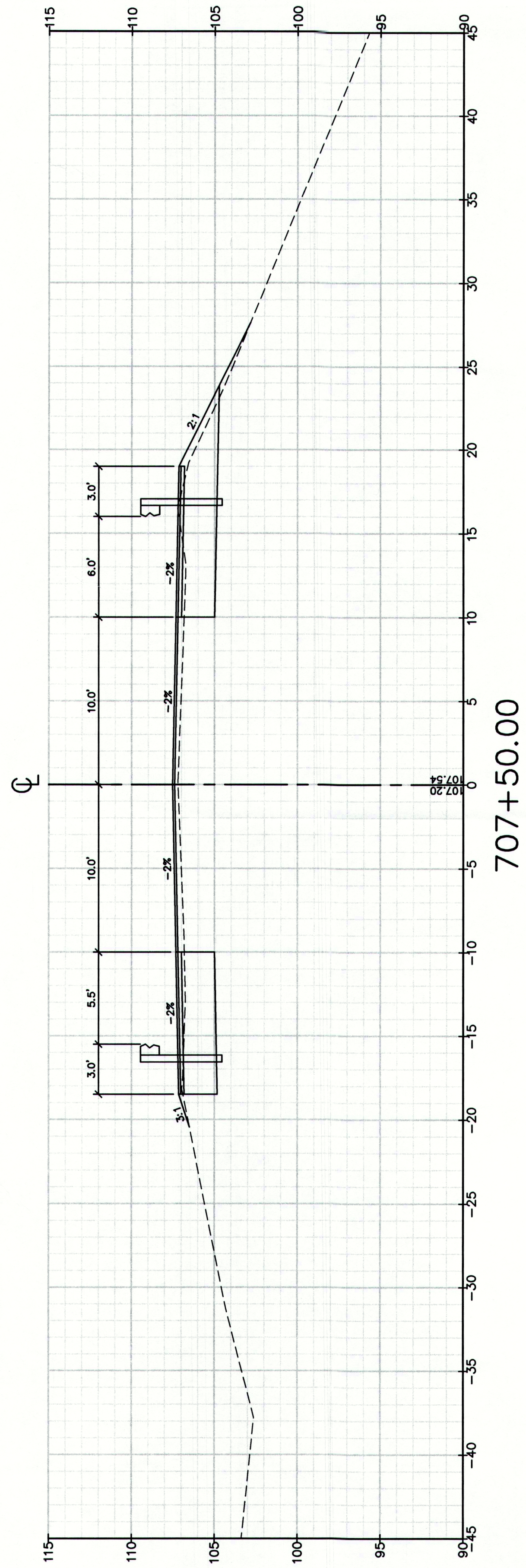
Drawing No.
108

Drawing Name:
Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

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207-657-6910
207-657-6912
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Draft: DB
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Date: DEC 2009
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STA 704+50 TO STA 706+00



MAINEDOT PIN

CUMBERLAND, ROUTE 88

Drawing No.
109

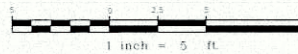
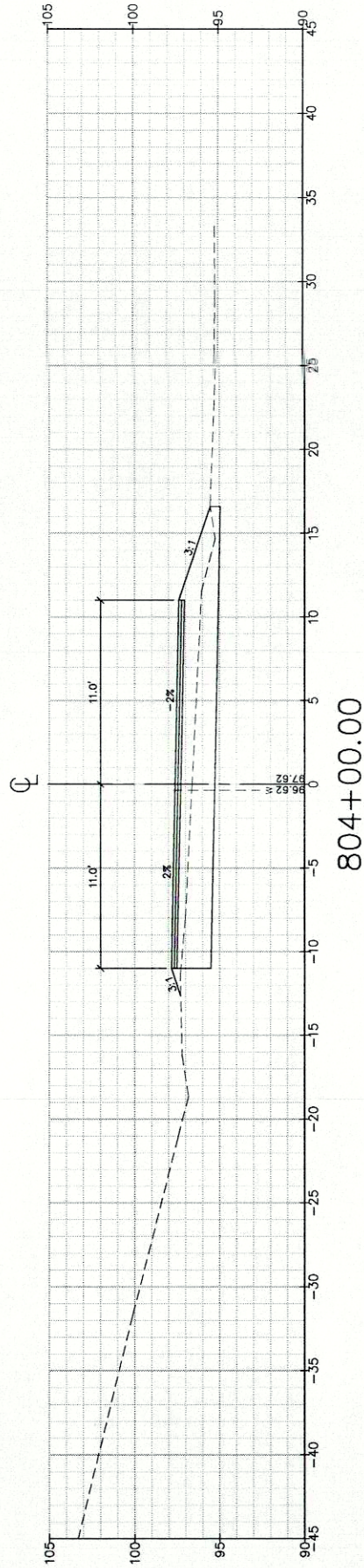
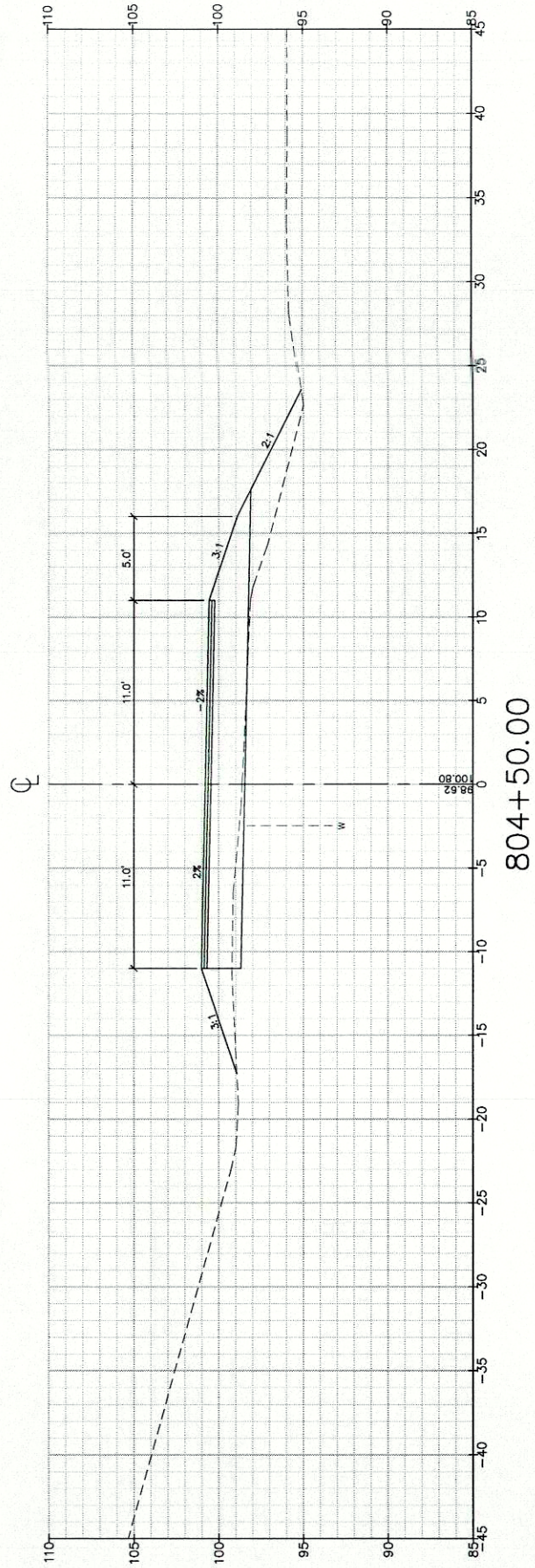
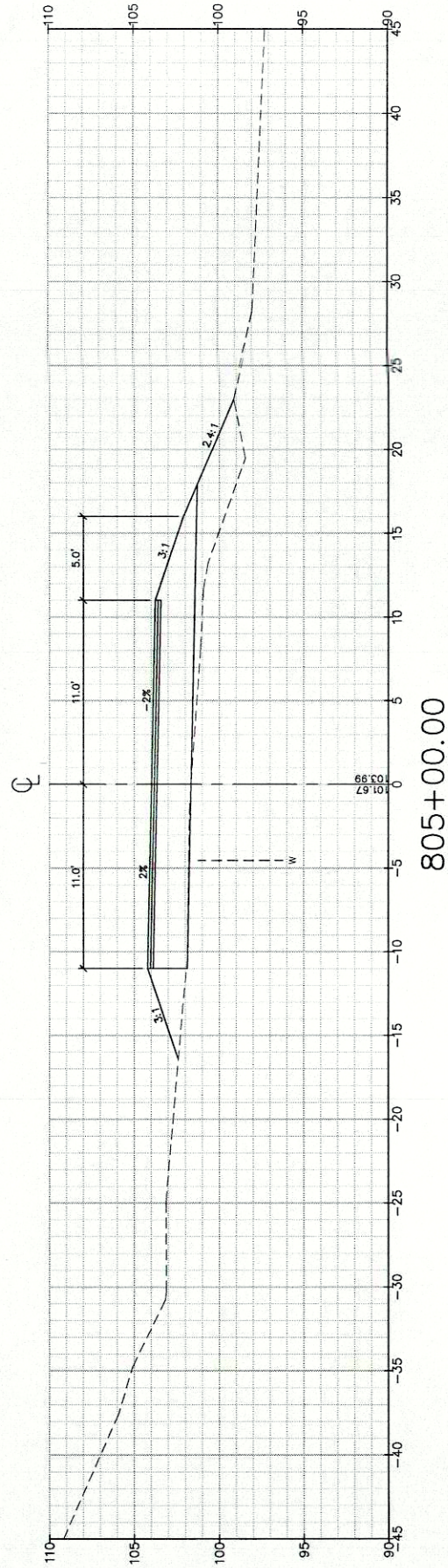
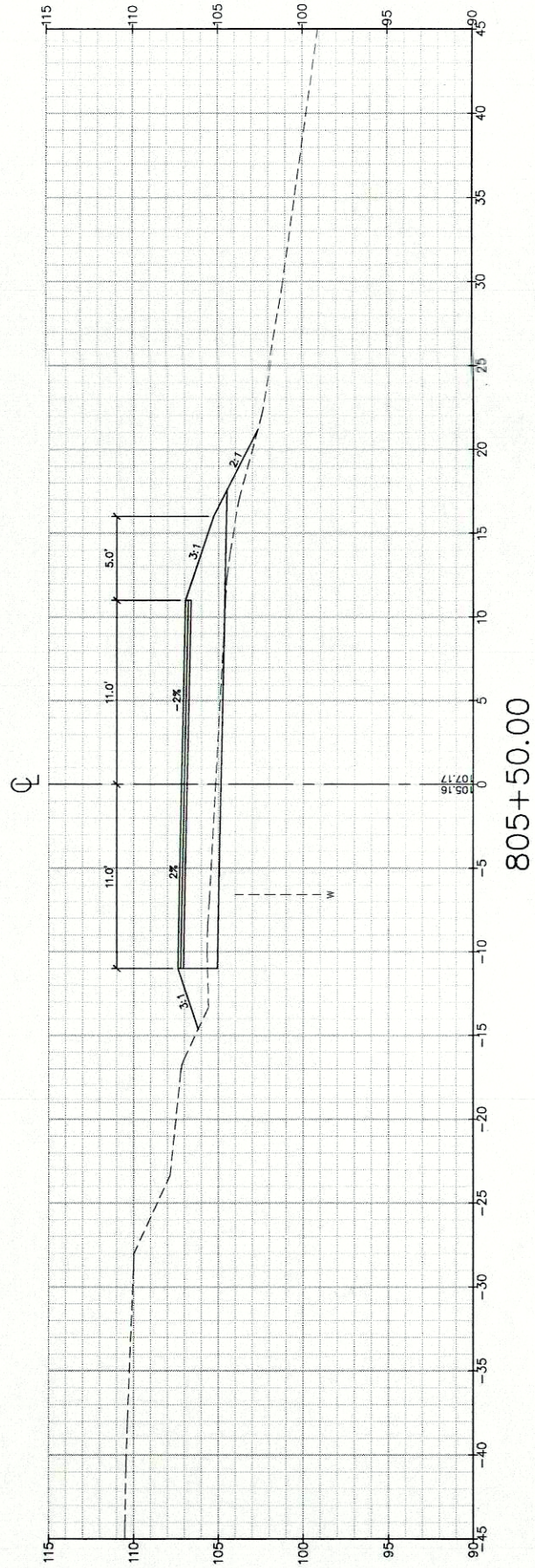
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Cross Sections
Project:
Route 88 & Tuttle Road Ramps
Cumberland, Maine
Client:
Town of Cumberland
290 Tuttle Road, Cumberland, ME 04021

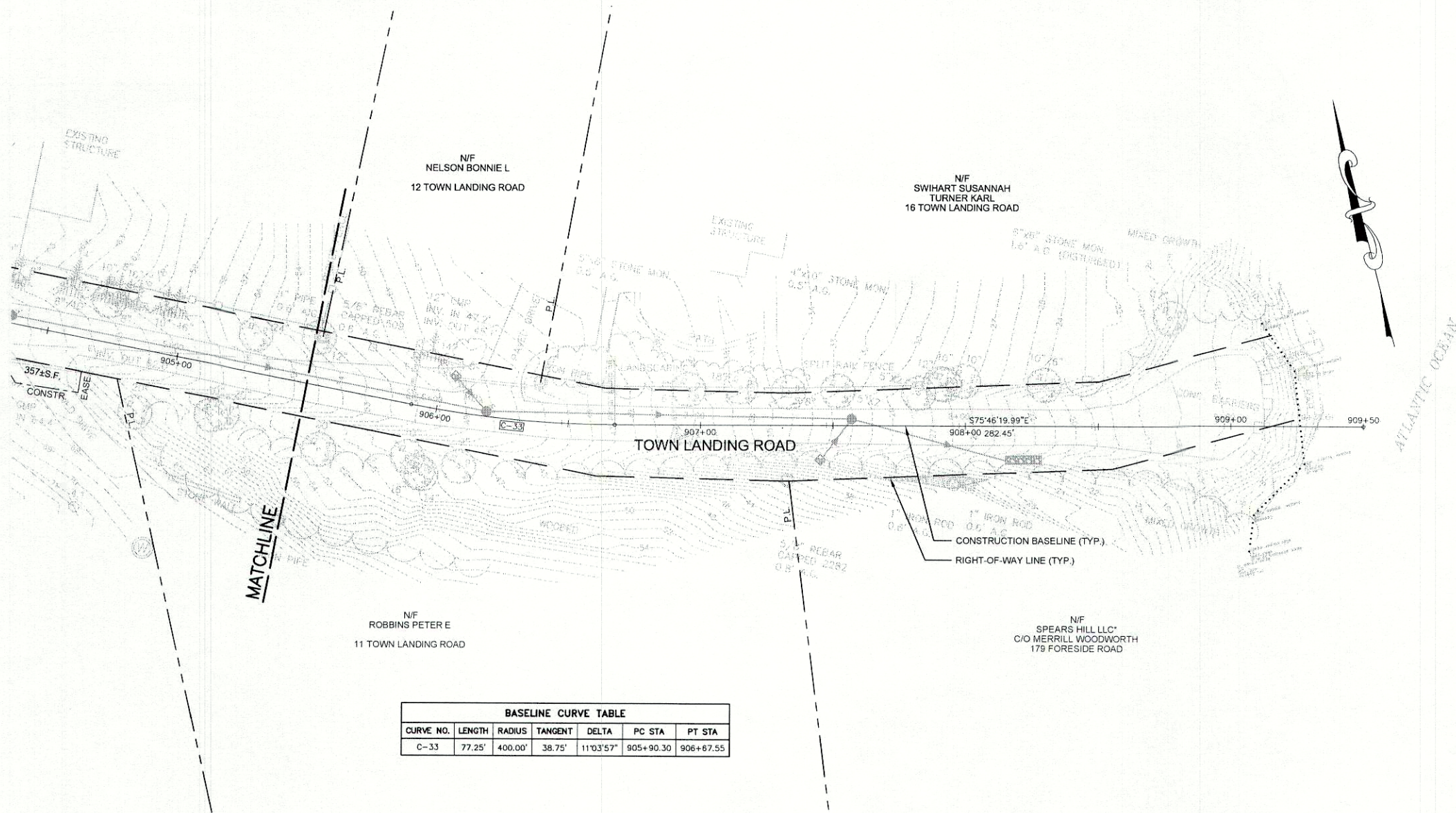
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STA 706+50 TO STA 707+00





BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-33	77.25'	400.00'	38.75'	110°3'57"	905+90.30	906+67.55

NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

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CHIEF ENGINEER _____
DATE _____

CUMBERLAND ROUTE 88 FORESIDE ROAD CUMBERLAND
DATE: 03/15/2010 RIGHT-OF-WAY MAP D.O.T. FILE NO. X-XXX
SCALE 1" = 25' SHEET 4 OF 33

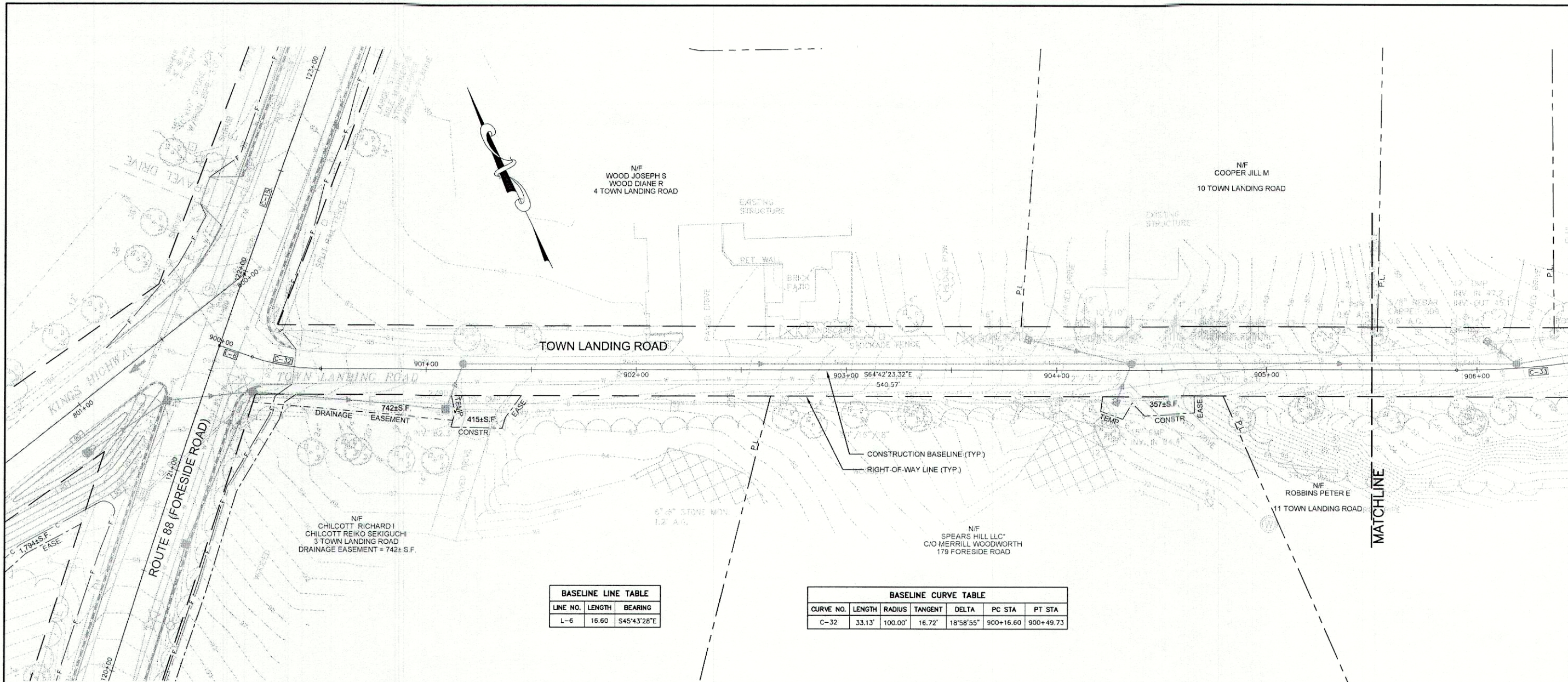
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP
SHEET NUMBER
143
OF 143

NOTE:
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REAL PROPERTY FOR TRANSPORTATION
PURPOSES. IT CAN NOT BE USED OR RELIED
UPON TO ESTABLISH LEGAL BOUNDARIES
BETWEEN ADJUTING PROPERTY OWNERS.

SYMBOLS	
• (IRON PIPE or PIN)	OWELL (WELL)
□ (SEPTIC TANK)	— GRADING LIMIT LINE
△ (ROW MONUMENT)	— CONSTRUCTION LIMIT LINE
△ (TRAVEL POINT)	— PROPERTY LINE
— WATER LINE	— LIMITS OF WRIGHT PORTION
— GAS LINE	— EXISTING RIGHT OF WAY
— ELECTRIC LINE	— NEW RIGHT OF WAY
— TELEPHONE LINE	— NEW ROW WITHIN EXIST. ROW
— SEWER LINE	— CONTROL OF ACCESS

BASE MAP
EXIST. R/W
PROP. LINES
AREAS

U:\2239 - Route 88 Cumberland\2 - CAD\DWG\2239_R01.dwg 5/18/2010 5:28 PM



BASELINE LINE TABLE		
LINE NO.	LENGTH	BEARING
L-6	16.60	S45°43'28"E

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-32	33.13'	100.00'	16.72'	18°58'55"	900+16.60	900+49.73

NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

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PLAN NO.	FILED IN	PLAN BOOK	PAGE	COUNTY	RECORD
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STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
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COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88 FORESIDE ROAD		
CUMBERLAND	CUMBERLAND	CUMBERLAND
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX
SCALE 1" = 25'	SHEET 4 OF 33	

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

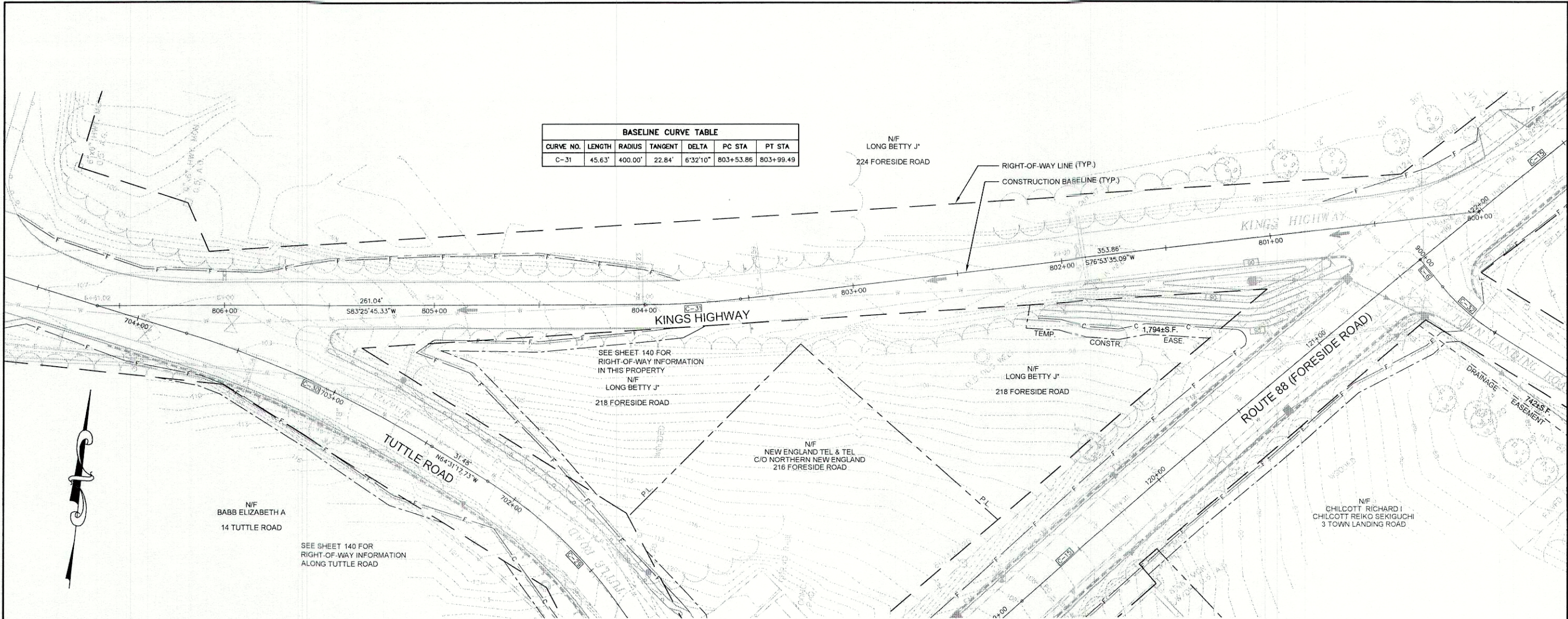
NOTE:
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REAL PROPERTY FOR TRANSPORTATION
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BETWEEN ADJUTING PROPERTY OWNERS.

SYMBOLS
OWELL (WELL)
CONSTRUCTION LIMIT LINE
PROPERTY LINE
LIMITS OF ADJUTING PORTION
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS
P (IRON PIPE OR PIN)
S.T. (SEPTIC TANK)
ROW MONUMENT
ABM (TRAVERSE POINT)
W WATER LINE
G GAS LINE
E ELECTRIC LINE
T TELEPHONE LINE
S SEWER LINE

BASE MAP
EXIST. R/W
PROP. LINES
AREAS

SHEET NUMBER
142
OF 143

U:\2239 - Route 88 Cumberland\2 - CAD\DWG\2239_ROW2.dwg 5/18/2010 5:28 PM



BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-31	45.63'	400.00'	22.84'	6°32'10"	803+53.86	803+99.49

NOTE:
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SYMBOLS	
• (IRON PIPE OR PIN)	OWELL (WELL)
□ (SEPTIC TANK)	— (SEPTIC TANK LINE)
— (ROW MONUMENT)	— (CONSTRUCTION LIMIT LINE)
— (TRAVEL POINT)	— (PROPERTY LINE)
— (WATER LINE)	— (LIMITS OF ADJACENT PORTION)
— (GAS LINE)	— (EXISTING RIGHT OF WAY)
— (ELECTRIC LINE)	— (NEW RIGHT OF WAY)
— (TELEPHONE LINE)	— (NEW ROW WITHIN EXIST. ROW)
— (SEWER LINE)	— (CONTROL OF ACCESS)

NOTE:
PROPERTY LINE INFORMATION BASED ON TAX MAPS PROVIDED BY THE TOWN OF CUMBERLAND. EXISTING RIGHT-OF-WAY BASED ON SURVEY COMPLETED BY BOUNDARY POINTS.

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		GRANTOR		INSTRUMENT	DATE

STATE OF MAINE
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COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
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COMMISSIONER _____
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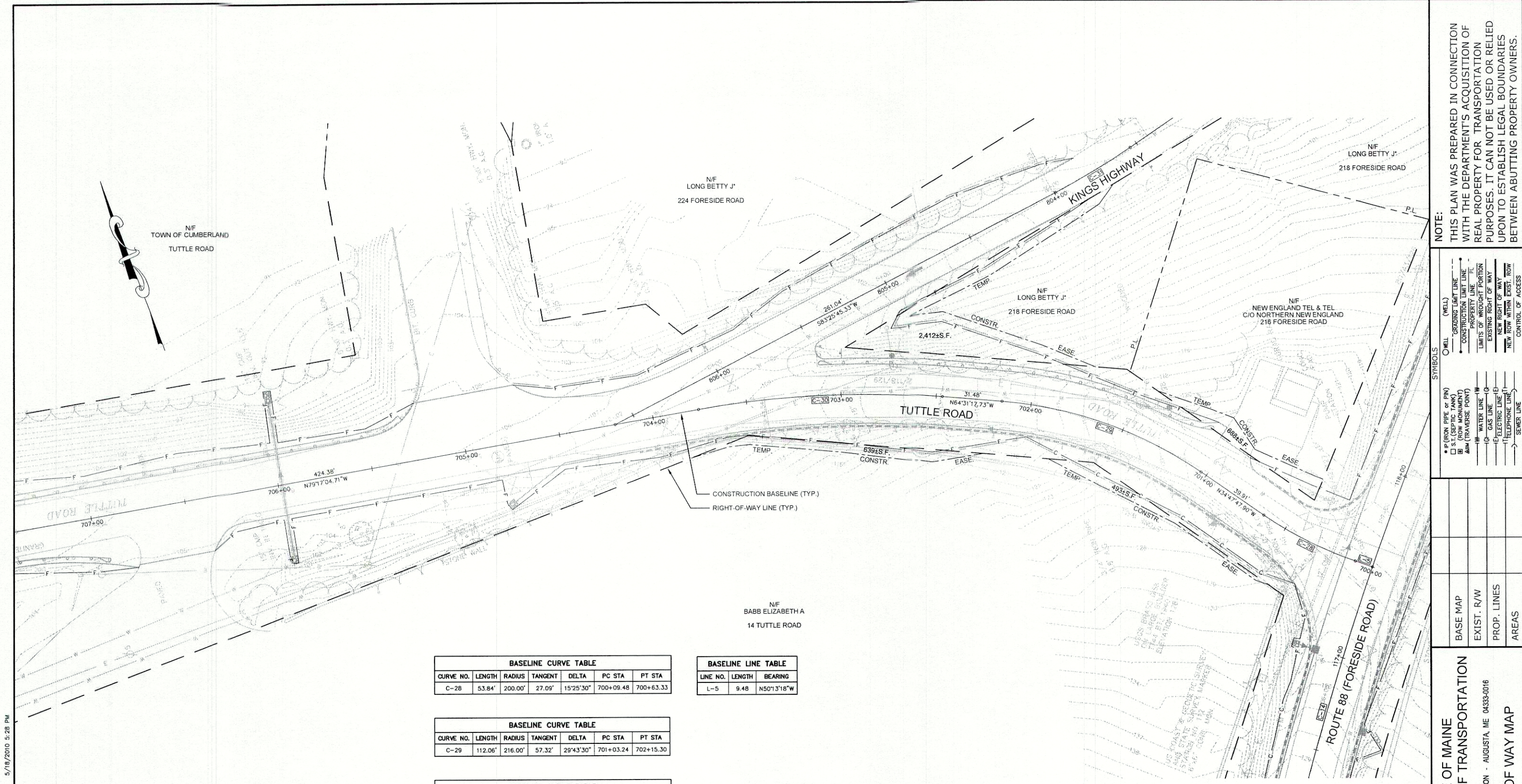
CUMBERLAND ROUTE 88 FORESIDE ROAD CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 4 OF 33 D.O.T. FILE NO. X-XXX

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

RIGHT OF WAY MAP

SHEET NUMBER
141
OF 143



BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-28	53.84'	200.00'	27.09'	15°25'30"	700+09.48	700+63.33

BASELINE LINE TABLE		
LINE NO.	LENGTH	BEARING
L-5	9.48	N50°13'18"W

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-29	112.06'	216.00'	57.32'	29°43'30"	701+03.24	702+15.30

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-30	128.83'	500.00'	64.77'	14°45'47"	702+46.79	703+75.62

NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
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NOTE:
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OWELL (WELL)	CONSTRUCTION LIMIT LINE
OWELL (WELL)	PROPERTY LINE
OWELL (WELL)	LIMITS OF WROUGHT PORTION
OWELL (WELL)	EXISTING RIGHT OF WAY
OWELL (WELL)	NEW RIGHT OF WAY
OWELL (WELL)	NEW ROW WITHIN EXIST. ROW
OWELL (WELL)	CONTROL OF ACCESS

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

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STATE OF MAINE
REGISTRY OF DEEDS

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at _____ h _____ m _____ M and recorded in
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DATE _____

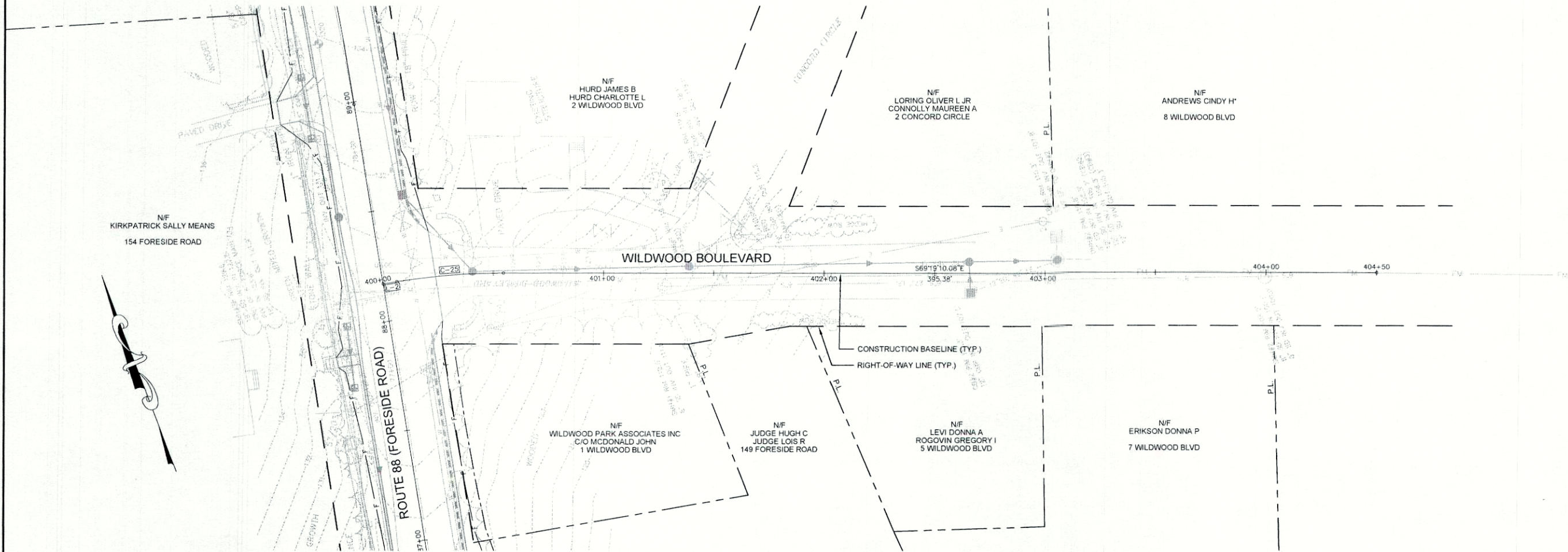
ROUTE 88
FORESIDE ROAD

CUMBERLAND CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 4 OF 33

D.O.T. FILE NO. X-XXX

SHEET NUMBER
140
OF 143



BASELINE LINE TABLE		
LINE NO.	LENGTH	BEARING
L-2	6.25	S78°33'24"E

BASELINE CURVE TABLE					
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA
C-25	48.37	300.00'	24.24'	9°14'14"	400+06.25

NOTE:
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NO.	DATE	DESCRIPTION	BY	NO.	FILED IN	PLAN BOOK	PAGE	INSTRUMENT	DATE	BOOK	PAGE

STATE OF MAINE
REGISTRY OF DEEDS

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

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

CUMBERLAND ROUTE 88 FORESIDE ROAD CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 4 OF 33 D.O.T. FILE NO. X-XXX

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

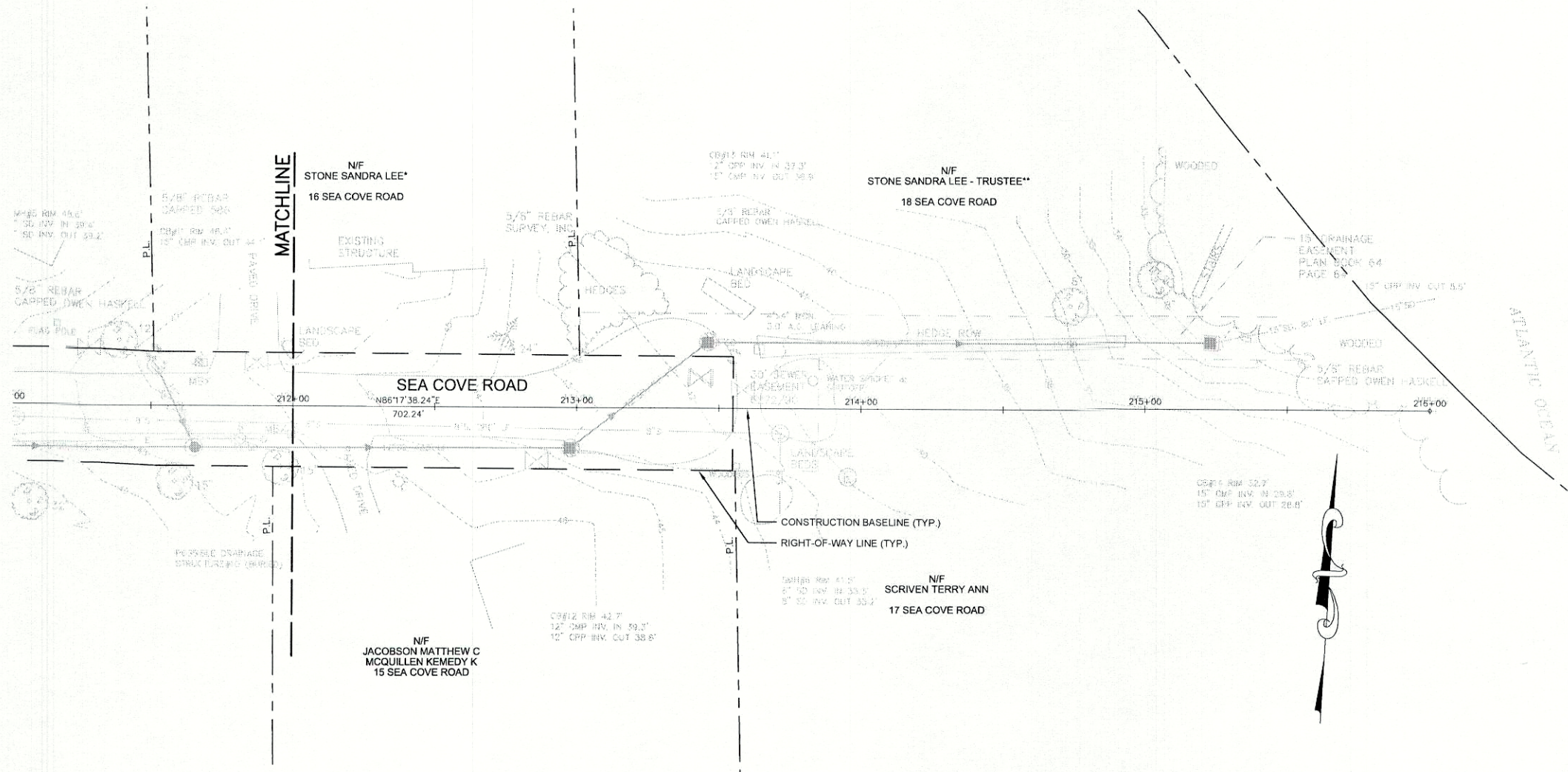
SHEET NUMBER
139
OF 143

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION
WITH THE DEPARTMENT'S ACQUISITION OF
REAL PROPERTY FOR TRANSPORTATION
PURPOSES. IT CAN NOT BE USED OR RELIED
UPON TO ESTABLISH LEGAL BOUNDARIES
BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS
• (IRON PIPE OR PIN)
□ (SEPTIC TANK)
□ (ROW MONUMENT)
▲ (TRANSVERSE POINT)
— (WATER LINE)
— (GAS LINE)
— (ELECTRIC LINE)
— (TELEPHONE LINE)
— (SEWER LINE)
(WELL)
— (GROUNDWATER)
— (CONSTRUCTION LIMIT LINE)
— (PROPERTY LINE)
— (LIMITS OF ACQUIRED PORTION)
— (EXISTING RIGHT OF WAY)
— (NEW RIGHT OF WAY)
— (NEW ROW WITHIN EXIST. ROW)
— (CONTROL OF ACCESS)

BASE MAP
EXIST. R/W
PROP. LINES
AREAS

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NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

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STATE OF MAINE
REGISTRY OF DEEDS

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

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88
FORESIDE ROAD

CUMBERLAND CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 4 OF 33 D.O.T. FILE NO. X-XXX

SHEET NUMBER
138
OF 143

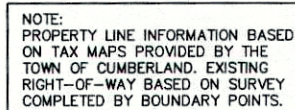
BASE MAP	EXIST. R/W	PROP. LINES	AREAS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
18 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

SYMBOLS		(WELL)
• IF (IRON PIPE OR PIN)	GRADING LIMIT LINE	---
□ ST. (SEPTIC TANK)	CONSTRUCTION LIMIT LINE	---
△ (TRAVERSE POINT)	PROPERTY LINE	---
— WATER LINE (W)	LIMITS OF WRIGHT PORTION	---
— GAS LINE (G)	EXISTING RIGHT OF WAY	---
— ELECTRIC LINE (E)	NEW RIGHT OF WAY	---
— TELEPHONE LINE (T)	NEW ROW WITHIN EXIST. ROW	---
— SEWER LINE	CONTROL OF ACCESS	---

NOTE:
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BETWEEN ABUTTING PROPERTY OWNERS.

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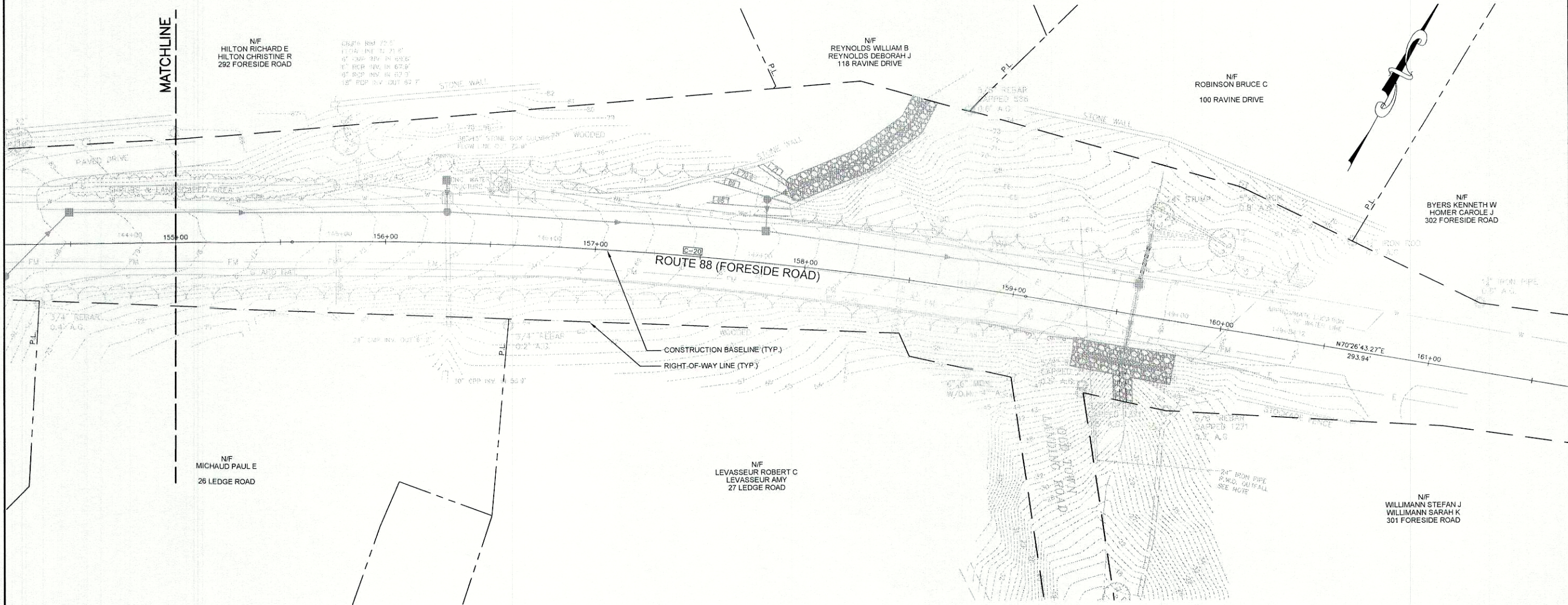


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MAINEDOT PIN	CUMBERLAND, ROUTE 88
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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-20	350.50'	2000.00'	175.70'	10°02'28"	155+55.55	159+06.06



NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

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Gray, ME 04039

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REVISIONS			PLAN FILED IN		PAGE		COUNTY RECORD	
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK

STATE OF MAINE
REGISTER OF DEEDS

COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
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COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

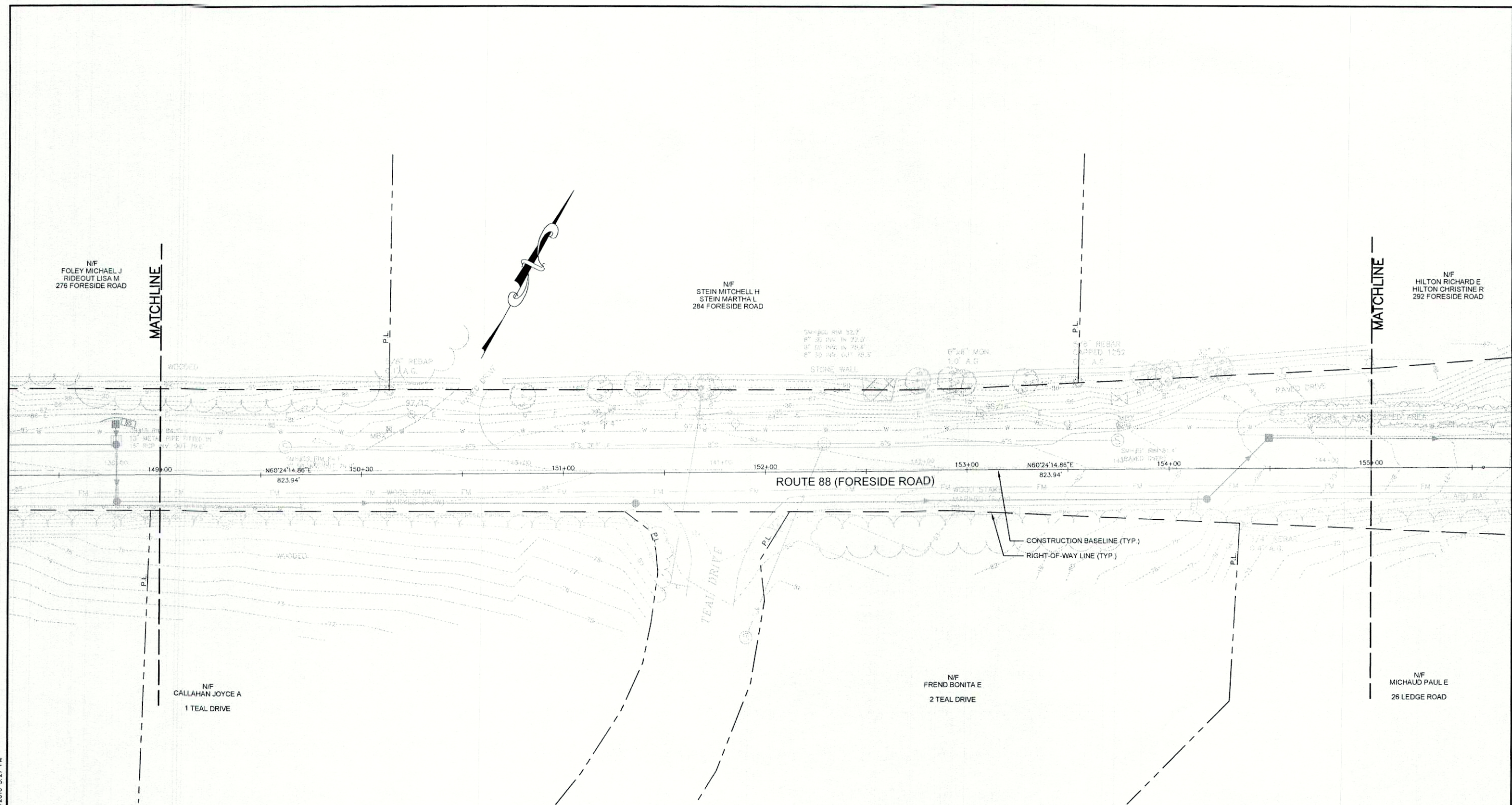
CUMBERLAND		ROUTE 88 FORESIDE ROAD		CUMBERLAND	
DATE: 03/15/2010		RIGHT-OF-WAY MAP		D.O.T. FILE NO. X-XXX	
SCALE 1" = 25'		SHEET 25 OF 33			

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

NOTE:
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BETWEEN ADJUTING PROPERTY OWNERS.

SHEET NUMBER
135
OF 143

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NOTE:
PROPERTY LINE INFORMATION BASED
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RIGHT-OF-WAY BASED ON SURVEY
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REVISIONS				PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE		

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88
FORESIDE ROAD
CUMBERLAND CUMBERLAND
DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 24 OF 33
D.O.T. FILE NO. X-XXX

SHEET NUMBER
134
OF 143

NOTE:
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PURPOSES. IT CAN NOT BE USED OR RELIED
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BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS	
• (IRON PIPE or PIN)	WELL (WELL)
□ (SEPTIC TANK)	CONSTRUCTION LIMIT LINE
▣ (ROW MONUMENT)	PROPERTY LINE
▲ (WATER POINT)	LIMITS OF WRIGHT PORTION
— WATER LINE	EXISTING RIGHT OF WAY
— GAS LINE	NEW RIGHT OF WAY
— ELECTRIC LINE	NEW ROW WITHIN EXIST. ROW
— TELEPHONE LINE	CONTROL OF ACCESS
— SEWER LINE	

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

NOTE:
PROPERTY LINE INFORMATION BASED
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TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
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REVISIONS				PLAN NO.	FILED IN	PLAN BOOK	PAGE	COUNTY	RECORD	STATE OF MAINE REGISTRY OF DEEDS		ROUTE 88 FORESIDE ROAD		SHEET NUMBER	
NO.	DATE	DESCRIPTION	BY			GRANTOR		INSTRUMENT	DATE	BOOK	PAGE	COMMISSIONER	CUMBERLAND	CUMBERLAND	133
												COUNTY RECEIVED _____			
												at _____ h _____ m _____ M and recorded in			
												Plan Book _____, Page _____			
												Attest: _____			
												REGISTER	DATE		
													DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX
													SCALE 1" = 25'	SHEET 23 OF 33	
												MAINEDOT PIN		CUMBERLAND, ROUTE 88	

■ R (ROW PIPE OF RN) □ S (SINK) B (BOW MONUMENT) ABW (TRAVERSE POINT)	— W— WATER LINE — G— GAS LINE — E— ELECTRIC LINE — T— TELEPHONE LINE — C— CEMENT LINE	O WELL — GRADING LIMIT LINE — CONSTRUCTION LIMIT LINE — PROPERTY LINE "PL" — LIMITS OF DROUGHT PORTION — EXISTING RIGHT OF WAY — NEW RIGHT OF WAY — NEW ROW WITHIN EXIST. ROW — CONTROL OF ACCESS
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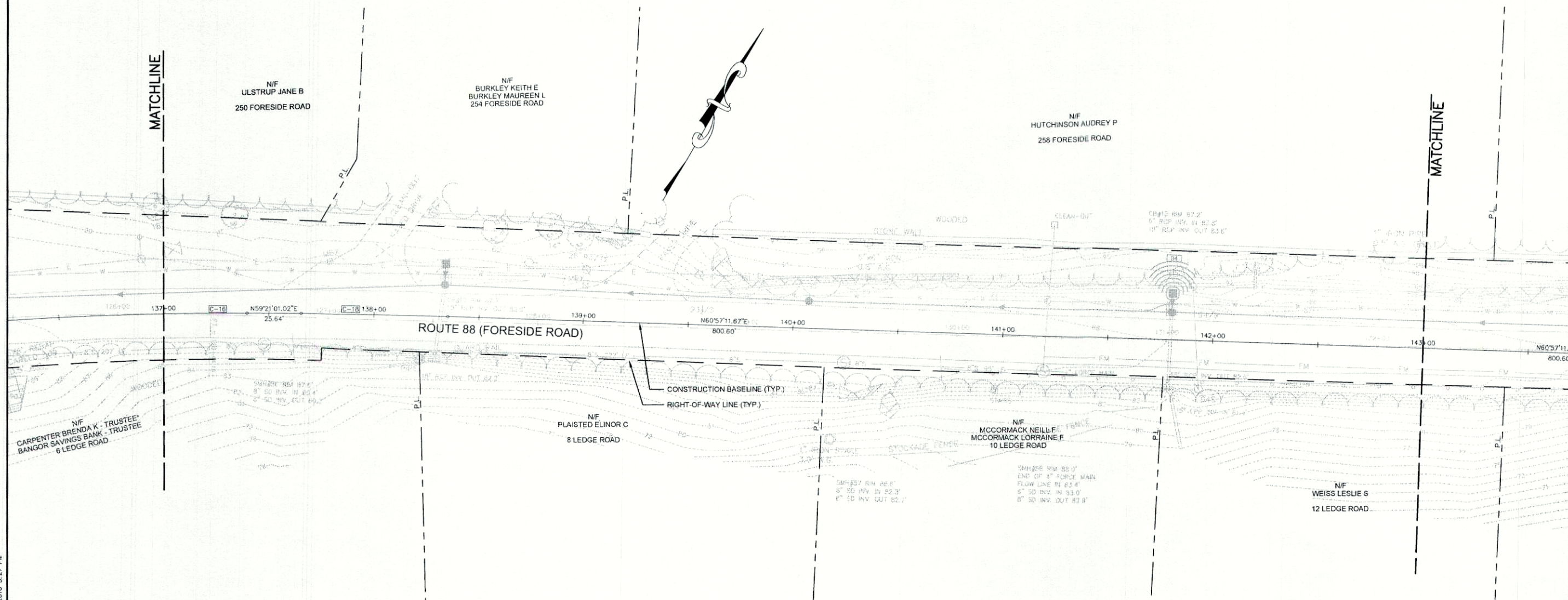
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

SHEET NUMBER
133
OF 143
BERLAND, ROUTE 88

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-16	350.97'	1600.00'	176.19'	12°34'06"	133+88.62	137+39.60

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-18	69.94'	2500.00'	34.97'	1°36'11"	137+65.23	138+35.17



NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
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BETWEEN ADJACENT PROPERTY OWNERS.

SYMBOLS	
● (IRON PIPE OR PIN)	○ (WELL)
□ (SEPTIC TANK)	— (SEWER LINE)
■ (ROW MONUMENT)	— (CONSTRUCTION LIMIT LINE)
▲ (TRAVEL POINT)	— (PROPERTY LINE)
— (WATER LINE)	— (LIMITS OF RIGHT-OF-WAY)
— (GAS LINE)	— (EXISTING RIGHT-OF-WAY)
— (ELECTRIC LINE)	— (NEW RIGHT-OF-WAY)
— (TELEPHONE LINE)	— (NEW ROW WITHIN EXIST. ROW)
— (SEWER LINE)	— (CONTROL OF ACCESS)

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE	COUNTY RECORD			
NO.	GRANTOR		INSTRUMENT	DATE	BOOK	PAGE

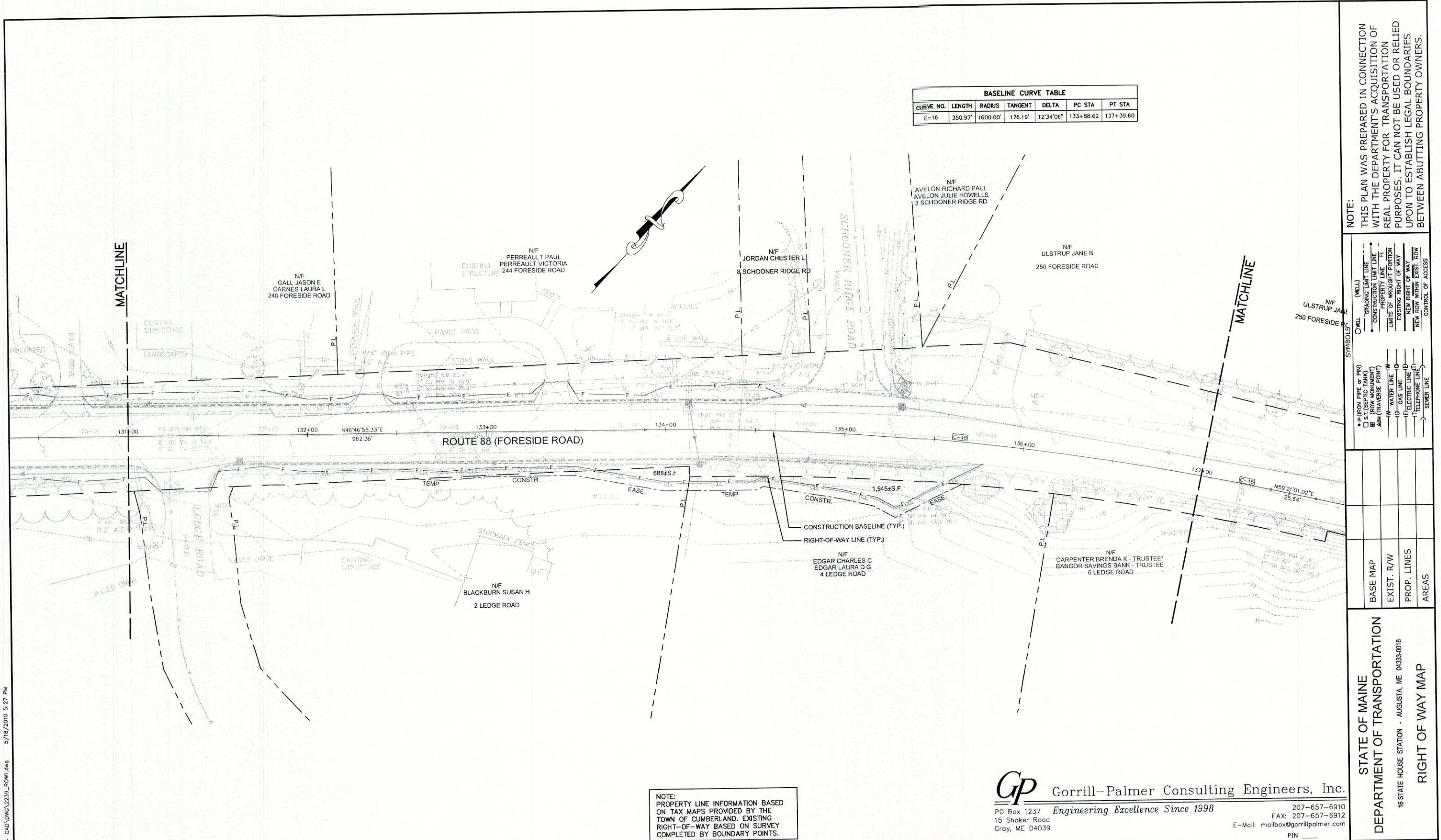
STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____ REGISTER

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88 FORESIDE ROAD		
CUMBERLAND	CUMBERLAND	
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX
SCALE 1" = 25'	SHEET 22 OF 33	

SHEET NUMBER
132
OF 143

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-16	350.97'	1600.00'	176.19'	12°34'06"	133+88.62	137+39.60

NOTE:
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SYMBOLS	
• (IRON PIPE or PIN)	• (WELL)
□ (SEPTIC TANK)	--- GRADING LIMIT LINE
■ (ROW MONUMENT)	--- CONSTRUCTION LIMIT LINE
▲ (TRAVELER POINT)	--- PROPERTY LINE
— WATER LINE	--- LIMITS OF WRIGHT OF WAY
— GAS LINE	--- EXISTING RIGHT OF WAY
— ELECTRIC LINE	--- NEW RIGHT OF WAY
— TELEPHONE LINE	--- NEW ROW WITHIN EXIST. ROW
— SEWER LINE	--- CONTROL OF ACCESS

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

NOTE:
PROPERTY LINE INFORMATION BASED ON TAX MAPS PROVIDED BY THE TOWN OF CUMBERLAND. EXISTING RIGHT-OF-WAY BASED ON SURVEY COMPLETED BY BOUNDARY POINTS.

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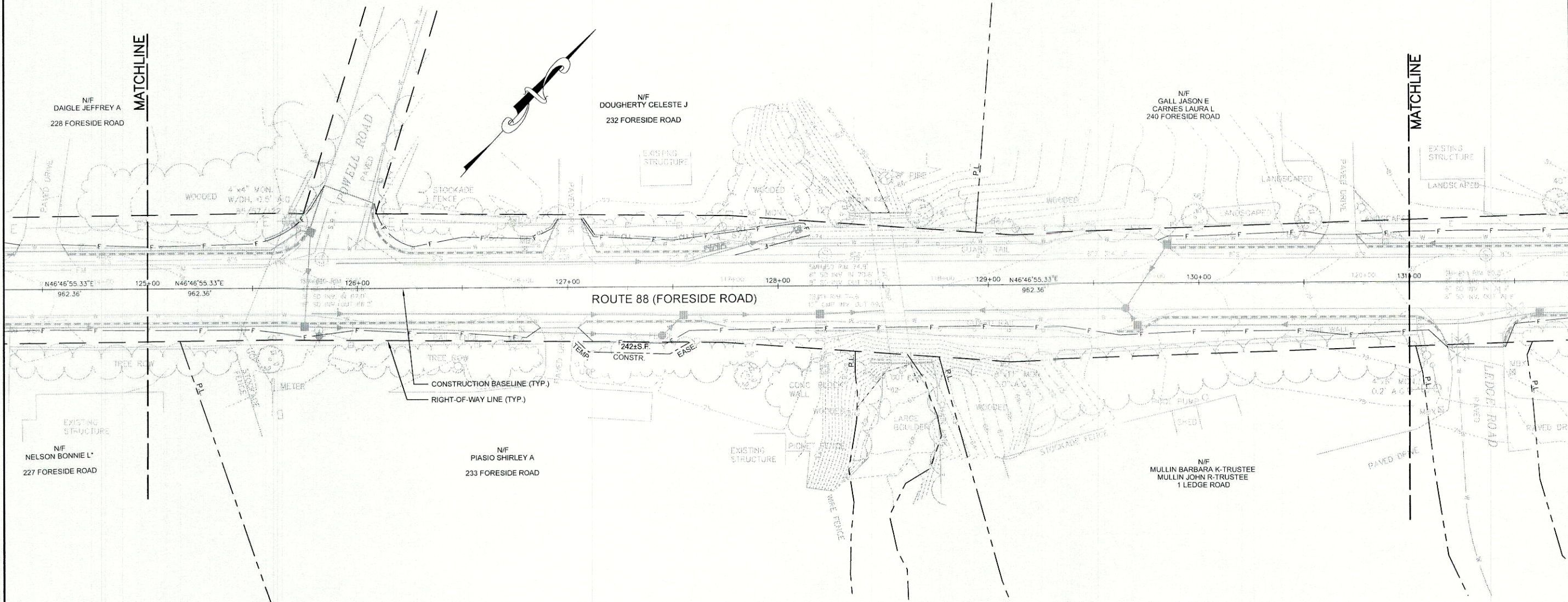
STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED
at _____ h _____ m _____ and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

COMMISSIONER
CHIEF ENGINEER
DATE

ROUTE 88 FORESIDE ROAD		
CUMBERLAND	CUMBERLAND	
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX
SCALE 1" = 25'	SHEET 21 OF 33	

SHEET NUMBER
131
OF 143

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NOTE:
PROPERTY LINE INFORMATION BASED
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BETWEEN ADJUTING PROPERTY OWNERS.

SYMBOLS	
• (IRON PIPE OR PIN) S (SILVER PIN) B (BROWN MONUMENT) A (ALUMINUM TRAVELER POINT)	OWELL (WELL) --- GRADING LIMIT LINE --- CONSTRUCTION LIMIT LINE --- PROPERTY LINE --- LIMITS OF WROUGHT PORTION --- EXISTING RIGHT OF WAY --- NEW RIGHT OF WAY --- NEW ROW WITHIN EXIST. ROW --- CONTROL OF ACCESS

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

REVISIONS			PLAN NO.	FILED IN	PLAN BOOK	PAGE	COUNTY	RECORD	DATE	BOOK	PAGE
NO.	DATE	DESCRIPTION									

STATE OF MAINE
REGISTRY OF DEEDS

COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
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Attest: _____ REGISTER

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

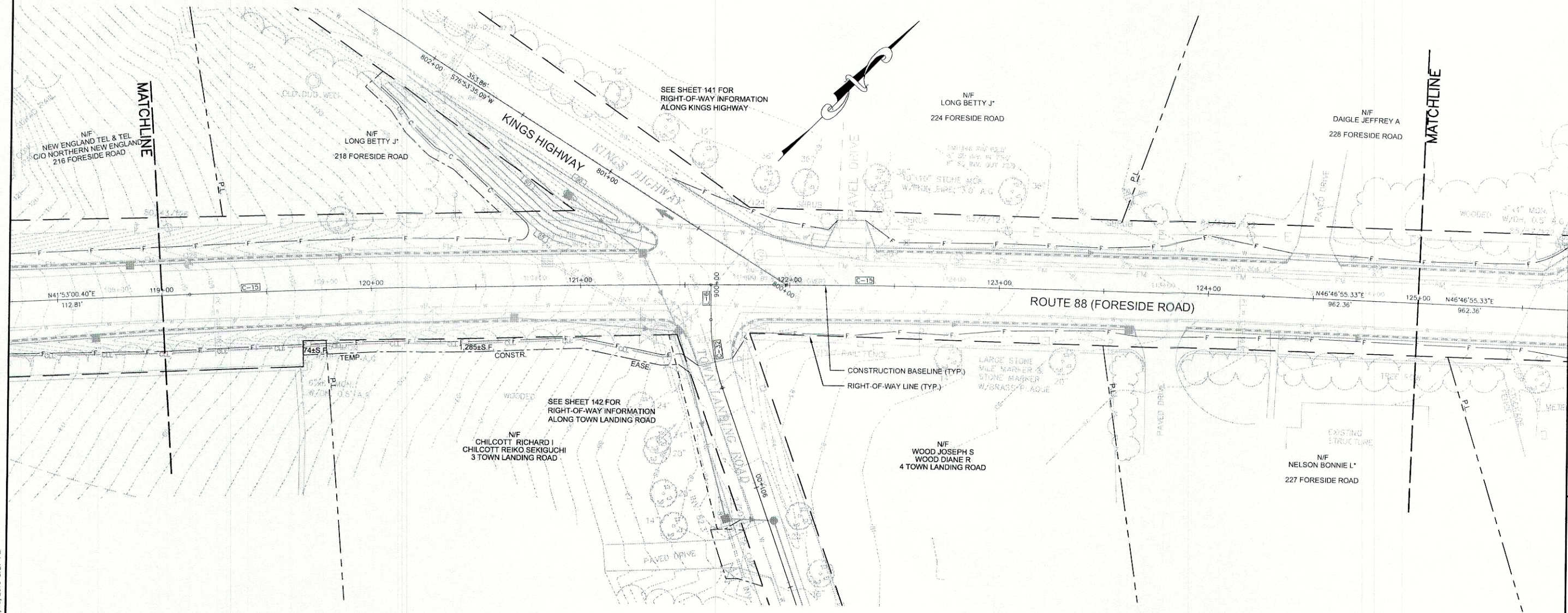
ROUTE 88
FORESIDE ROAD

CUMBERLAND CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 20 OF 33
D.O.T. FILE NO. X-XXX

SHEET NUMBER
130
OF 143

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-15	512.98'	6000.00'	256.65'	4°53'55"	119+13.29	124+26.27



NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
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BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS	
WELL	GRADING LIMIT LINE
CONSTRUCTION LIMIT LINE	PROPERTY LINE
LIMITS OF WROUGHT PORTION	EXISTING RIGHT OF WAY
NEW RIGHT OF WAY	NEW ROW WITHIN EXIST. ROW
CONTROL OF ACCESS	

BASE MAP	EXIST. R/W	PROP. LINES	AREAS
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

REVISIONS			PLAN FILED IN PLAN BOOK				COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	FILED IN	PLAN BOOK	PAGE	INSTRUMENT	DATE	PAGE

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED
at _____ h _____ m _____ M and recorded in
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COMMISSIONER
CHIEF ENGINEER
DATE

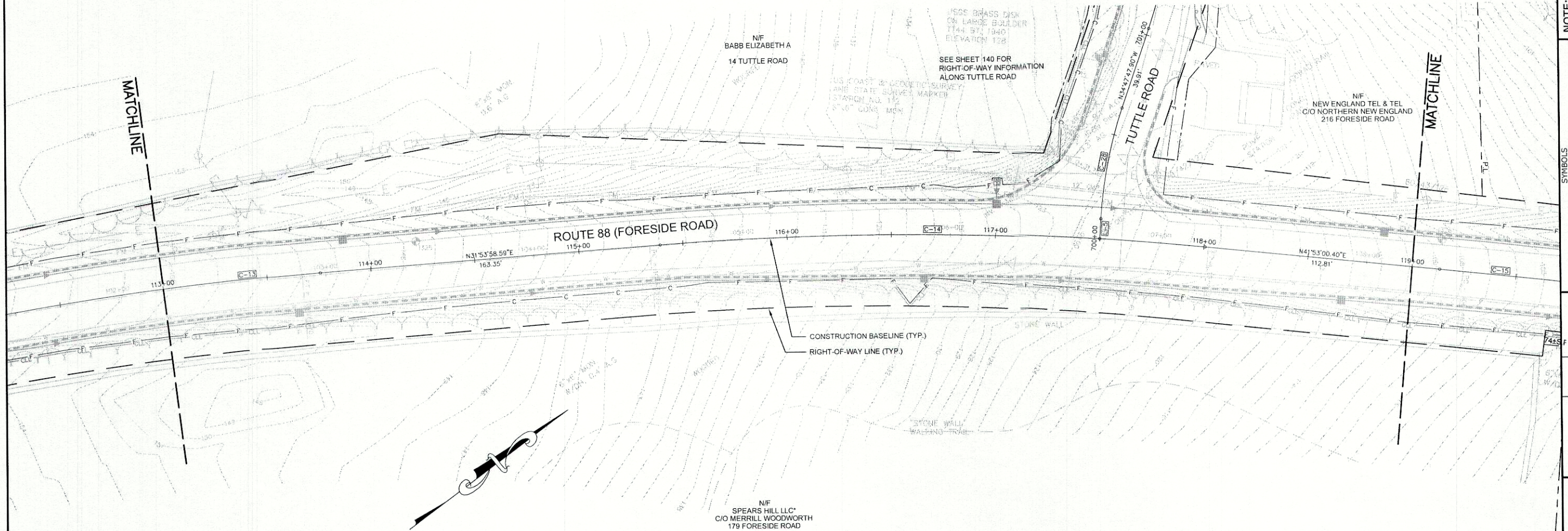
ROUTE 88 FORESIDE ROAD		CUMBERLAND	
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX	
SCALE 1" = 25'	SHEET 19 OF 33		

SHEET NUMBER
129
OF 143

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-13	695.10'	1450.00'	354.36'	27°28'00"	106+80.65	113+75.75

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-14	261.38'	1500.00'	131.02'	9°59'02"	115+39.11	118+00.48



NOTE:
PROPERTY LINE INFORMATION BASED
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COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
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CHIEF ENGINEER _____
DATE _____

ROUTE 88 FORESIDE ROAD		CUMBERLAND
CUMBERLAND	CUMBERLAND	
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX
SCALE 1" = 25'	SHEET 18 OF 33	

SHEET NUMBER
128
OF 143

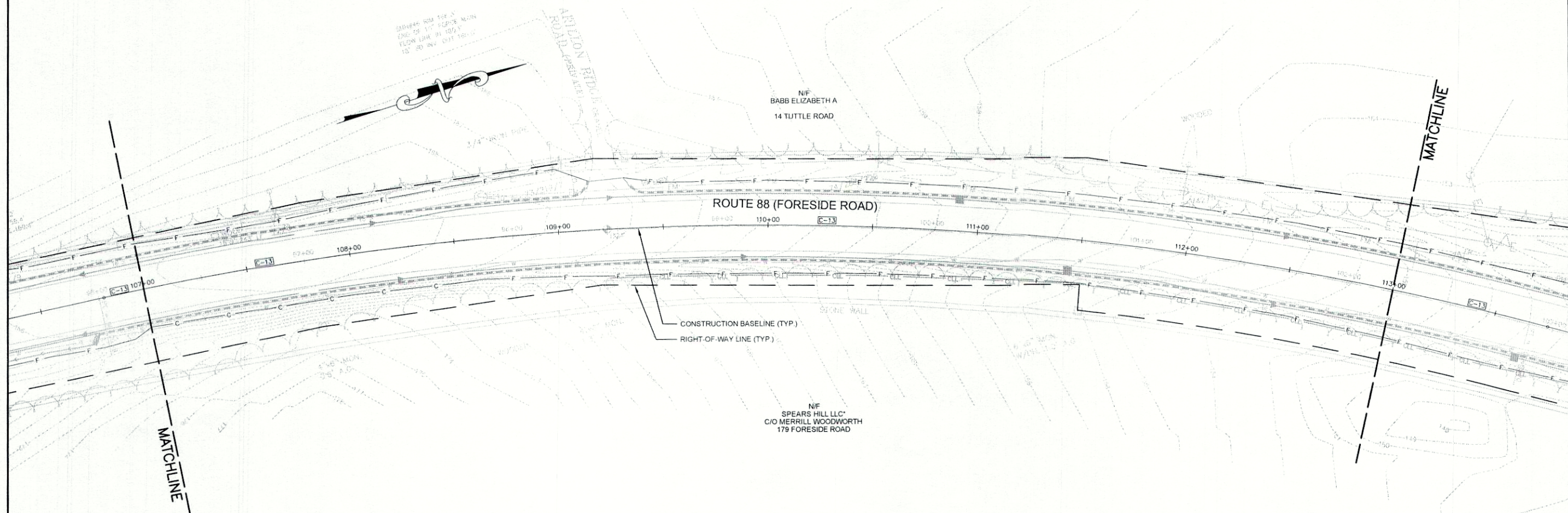
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SYMBOLS		(WELL)
• (IRON PIPE or PIN)	— GRADING LIMIT LINE	—
— (ROW MONUMENT)	— CONSTRUCTION LIMIT LINE	—
— (TRVERSE POINT)	— PROPERTY LINE	—
— WATER LINE	— LIMITS OF WRIGHT PORTION	—
— GAS LINE	— EXISTING RIGHT OF WAY	—
— ELECTRIC LINE	— NEW RIGHT OF WAY	—
— TELEPHONE LINE	— NEW ROW WITHIN EXIST. ROW	—
— SEWER LINE	— CONTROL OF ACCESS	—

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-13	695.10'	1450.00'	354.36'	27°28'00"	106+80.65	113+75.7



NOTE:
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SYMBOLS	
OW	—
•	—
U	—
N	—

• IP (IRON PIPE or PIN)
 □ ST. (SEPTIC TANK)
 □ (ROW MONUMENT)
 Δ SW (TRAVERSE POINT)

— W — WATER LINE
 — G — GAS LINE
 — E — ELECTRIC LINE
 — T — TELEPHONE LINE
 — S — SEWER LINE

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

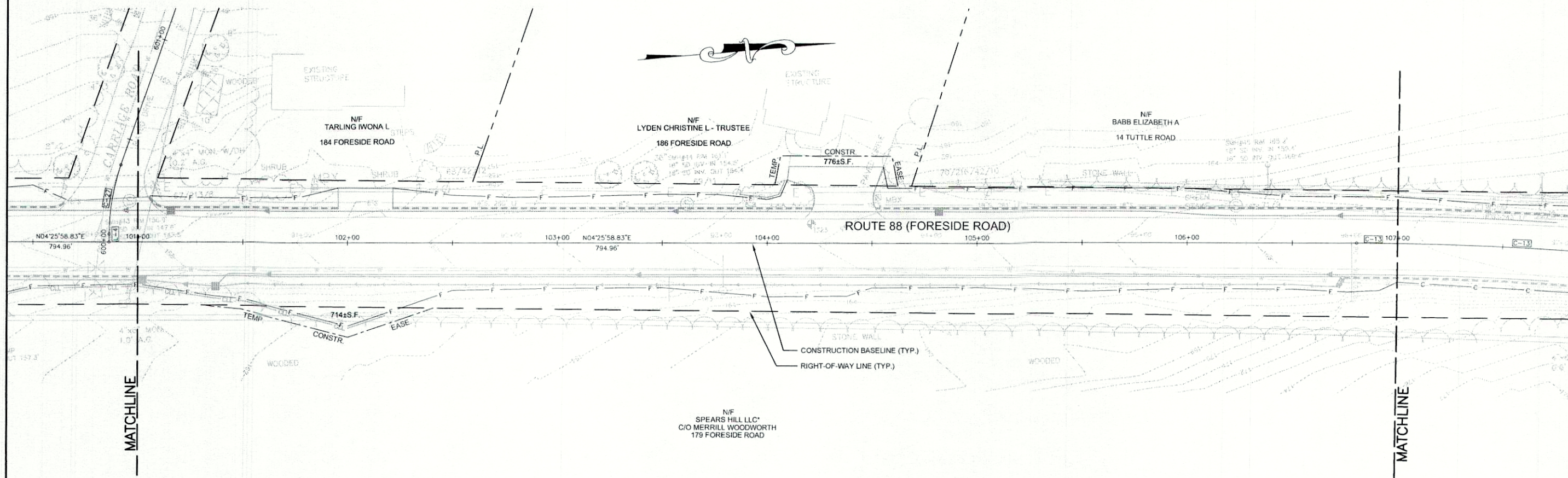
SHEET NUMBER
127
OF 143

NOTE:
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TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

GP Gorrill-Palmer Consulting Engineers, Inc.
Engineering Excellence Since 1998
 PO Box 1237 207-657-6910
 15 Shaker Road FAX: 207-657-6912
 Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com
 PJN

REVISIONS				PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD							STATE OF MAINE REGISTRY OF DEEDS		ROUTE 88 FORESIDE ROAD						SHEET NUMBER
NO.	DATE	DESCRIPTION	BY	NO.	FILED IN	PLAN BOOK GRANTOR	PAGE		INSTRUMENT	DATE	BOOK	PAGE	COUNTY RECEIVED _____ at ____ h ____ m ____ M and recorded in Plan Book _____ , Page _____ Attest: _____ REGISTER	COMMISSIONER _____ CHIEF ENGINEER _____ DATE _____	CUMBERLAND			CUMBERLAND	<i>127</i> OF 143
															DATE: 03/15/2010 SCALE 1" = 25'	RIGHT-OF-WAY MAP SHEET 17 OF 33	D.O.T. FILE NO. X-XXX		

U:\2239 - Route 88 Cumberland\2 - CAD\DWG\2239_ROW.dwg 5/18/2010 3:28 PM



BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-13	695.10'	1450.00'	354.36'	27°28'00"	106+80.65	113+75.75

NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

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NOTE:
THIS PLAN WAS PREPARED IN CONNECTION
WITH THE DEPARTMENT'S ACQUISITION OF
REAL PROPERTY FOR TRANSPORTATION
PURPOSES. IT CAN NOT BE USED OR RELIED
UPON TO ESTABLISH LEGAL BOUNDARIES
BETWEEN ADJUTING PROPERTY OWNERS.

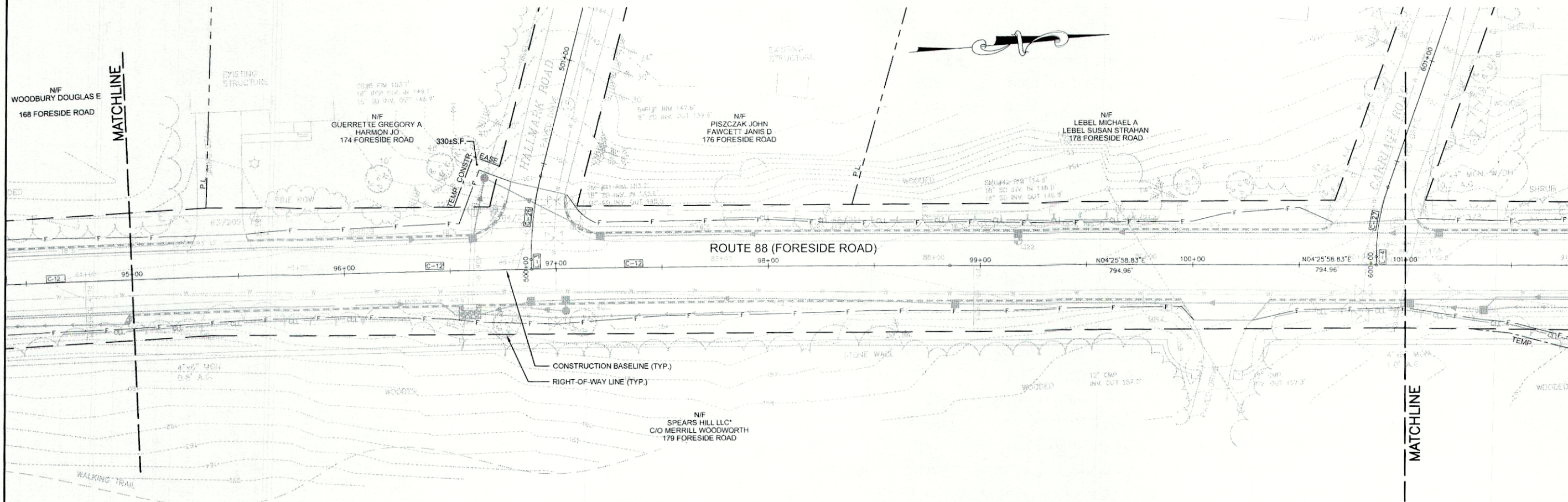
SYMBOLS	
• P (IRON PIPE OR PIN)	OWEL (WELL)
□ ST (SEPTIC TANK)	--- EXISTING LIGHT LINE ---
⊠ (ROW MONUMENT)	--- CONSTRUCTION LIGHT LINE ---
⊠ (TRAVEL POINT)	--- EXISTING RIGHT-OF-WAY LINE ---
--- WATER LINE ---	--- LIMITS OF ADJUT PART ---
--- GAS LINE ---	--- EXISTING RIGHT-OF-WAY ---
--- ELECTRIC LINE ---	--- NEW RIGHT-OF-WAY ---
--- TELEPHONE LINE ---	--- NEW ROW WITHIN EXIST. ROW ---
--- SEWER LINE ---	--- CONTROL OF ACCESS ---

BASE MAP	EXIST. R/W	PROP. LINES	AREAS
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

REVISIONS				PLAN FILED IN PLAN BOOK				COUNTY RECORD				STATE OF MAINE		ROUTE 88		SHEET NUMBER	
NO.	DATE	DESCRIPTION	BY	NO.	FILED IN	PLAN BOOK	PAGE	INSTRUMENT	DATE	BOOK	PAGE	REGISTRY OF DEEDS		FORESIDE ROAD		126	
												COUNTY RECEIVED		CUMBERLAND		OF 143	
												at _____ h _____ m and recorded in		CUMBERLAND			
												Plan Book _____, Page _____		DATE: 03/15/2010		RIGHT-OF-WAY MAP	
												Attest: _____ REGISTER		SCALE 1" = 25'		SHEET 16 OF 33	
												COMMISSIONER		D.O.T. FILE NO. X-XXX			
												CHIEF ENGINEER					
												DATE					

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-12	473.56'	10000.00'	236.82'	2°42'48"	94+12.13	98+85.69



NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
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SYMBOLS	
<ul style="list-style-type: none"> IRON PIPE (or PIN) S.T. (SEPTIC TANK) ROW MONUMENT ADJ. (ADJUTING POINT) WATER LINE GAS LINE ELECTRIC LINE TELEPHONE LINE SEWER LINE 	<ul style="list-style-type: none"> GRADING LIMIT LINE CONSTRUCTION LIMIT LINE PROPERTY LINE LIMITS OF WRIGHT PORTION EXISTING RIGHT OF WAY NEW RIGHT OF WAY NEW ROW WITHIN EXIST. ROW CONTROL OF ACCESS

BASE MAP	EXIST. R/W	PROP. LINES	AREAS
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN NO.	FILED IN	PLAN BOOK	PAGE	COUNTY	RECORD
		GRANTOR	INSTRUMENT	DATE	BOOK

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____ REGISTER

COMMISSIONER
CHIEF ENGINEER
DATE

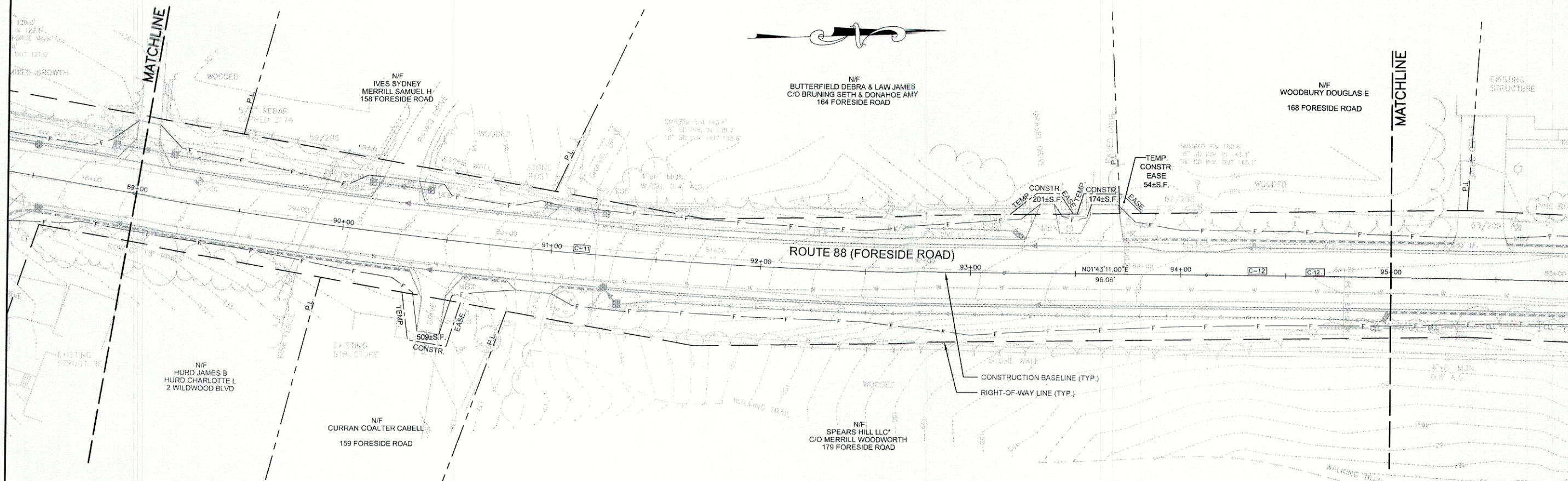
ROUTE 88 FORESIDE ROAD	
CUMBERLAND	CUMBERLAND
DATE: 03/15/2010	RIGHT-OF-WAY MAP
SCALE 1" = 25'	SHEET 15 OF 33
D.O.T. FILE NO. X-XXX	

SHEET NUMBER
125
OF 143

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-11	417.14'	2500.00'	209.05'	9°33'36"	88+98.94	93+16.07

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-12	473.58'	10000.00'	236.82'	2°42'48"	94+12.13	98+85.69



NOTE:
PROPERTY LINE INFORMATION BASED
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REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN NO.		FILED IN PLAN BOOK		PAGE		COUNTY RECORD	
NO.		GRANTOR		INSTRUMENT		DATE	

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88
FORESIDE ROAD
CUMBERLAND
CUMBERLAND
DATE: 03/15/2010
SCALE 1" = 25'
RIGHT-OF-WAY MAP
SHEET 14 OF 33
D.O.T. FILE NO. X-XXX

SHEET NUMBER
124
OF 143

NOTE:
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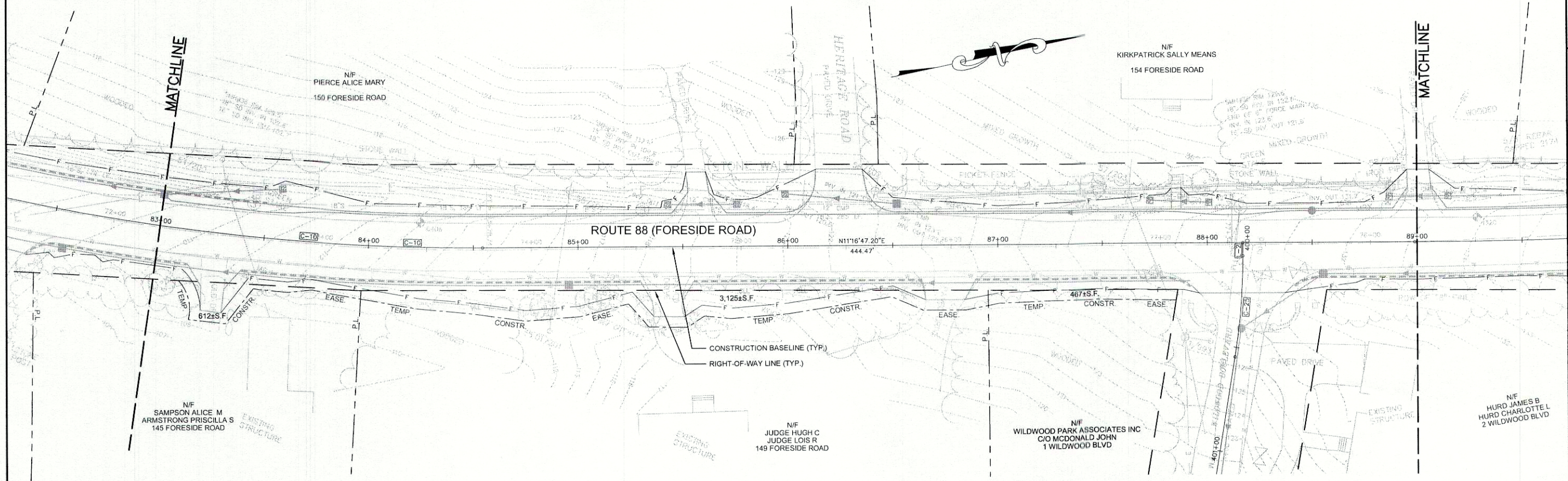
SYMBOLS	
OWELL (WELL)	GRADING LIMIT LINE
OWELL (WELL)	CONSTRUCTION LIMIT LINE
OWELL (WELL)	PROPERTY LINE
OWELL (WELL)	LIMITS OF WRIGHT PORTION
OWELL (WELL)	EXISTING RIGHT OF WAY
OWELL (WELL)	NEW RIGHT OF WAY
OWELL (WELL)	NEW ROW WITHIN EXIST. ROW
OWELL (WELL)	CONTROL OF ACCESS

BASE MAP	
EXIST. R/W	PROD. LINES
AREAS	AREAS

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

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-10	402.62'	1050.00'	203.82'	21°58'13"	80+51.84	84+54.47



NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
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REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD	
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

STATE OF MAINE
REGISTRY OF DEEDS

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

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88
FORESIDE ROAD

CUMBERLAND CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 13 OF 33

D.O.T. FILE NO. X-XXX

SHEET NUMBER
123
OF 143

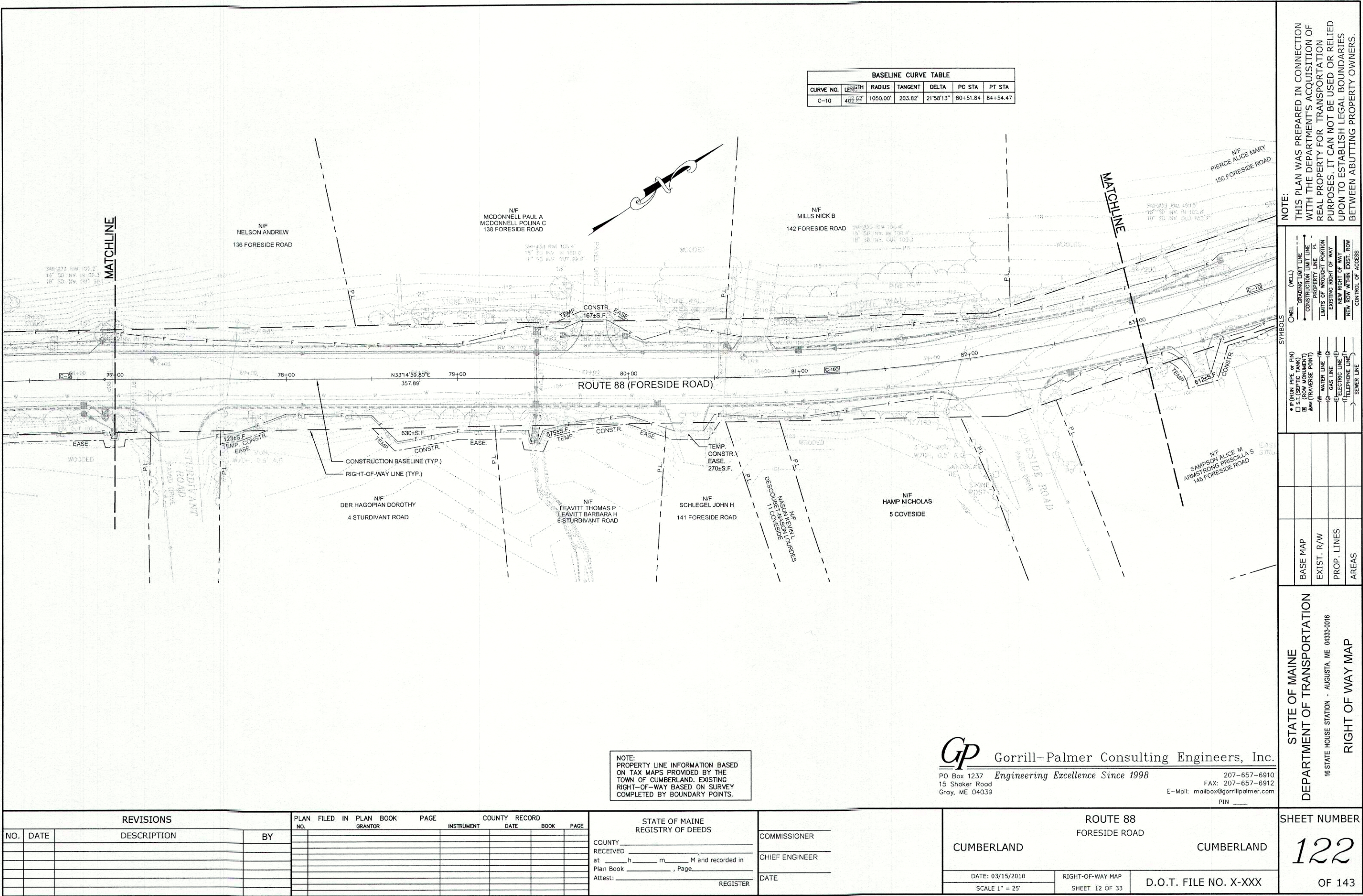
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SYMBOLS	
ORILL (WELL)	CONSTRUCTION LIMIT LINE
PROPERTY LINE	LIMITS OF WRIGHT PORTION
EXISTING RIGHT OF WAY	NEW RIGHT OF WAY
NEW ROW WITHIN EXIST. ROW	CONTROL OF ACCESS
WATER LINE (W)	WATER LINE (O)
GAS LINE (G)	ELECTRIC LINE (E)
TELEPHONE LINE (T)	SEWER LINE (S)

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-10	402.62'	1050.00'	203.82'	21°58'13"	80+51.84	84+54.47

NOTE:
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SYMBOLS	
OWELL (WELL)	GRADING LIMIT LINE
OWELL (WELL)	CONSTRUCTION LIMIT LINE
OWELL (WELL)	PROPERTY LINE
OWELL (WELL)	LIMITS OF WROUGHT PORTION
OWELL (WELL)	EXISTING RIGHT OF WAY
OWELL (WELL)	NEW RIGHT OF WAY
OWELL (WELL)	NEW ROW WITHIN EXIST. ROW
OWELL (WELL)	CONTROL OF ACCESS

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

REVISIONS				PLAN FILED IN PLAN BOOK				COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	PAGE	INSTRUMENT	DATE	BOOK	PAGE	

NOTE:
PROPERTY LINE INFORMATION BASED ON TAX MAPS PROVIDED BY THE TOWN OF CUMBERLAND. EXISTING RIGHT-OF-WAY BASED ON SURVEY COMPLETED BY BOUNDARY POINTS.

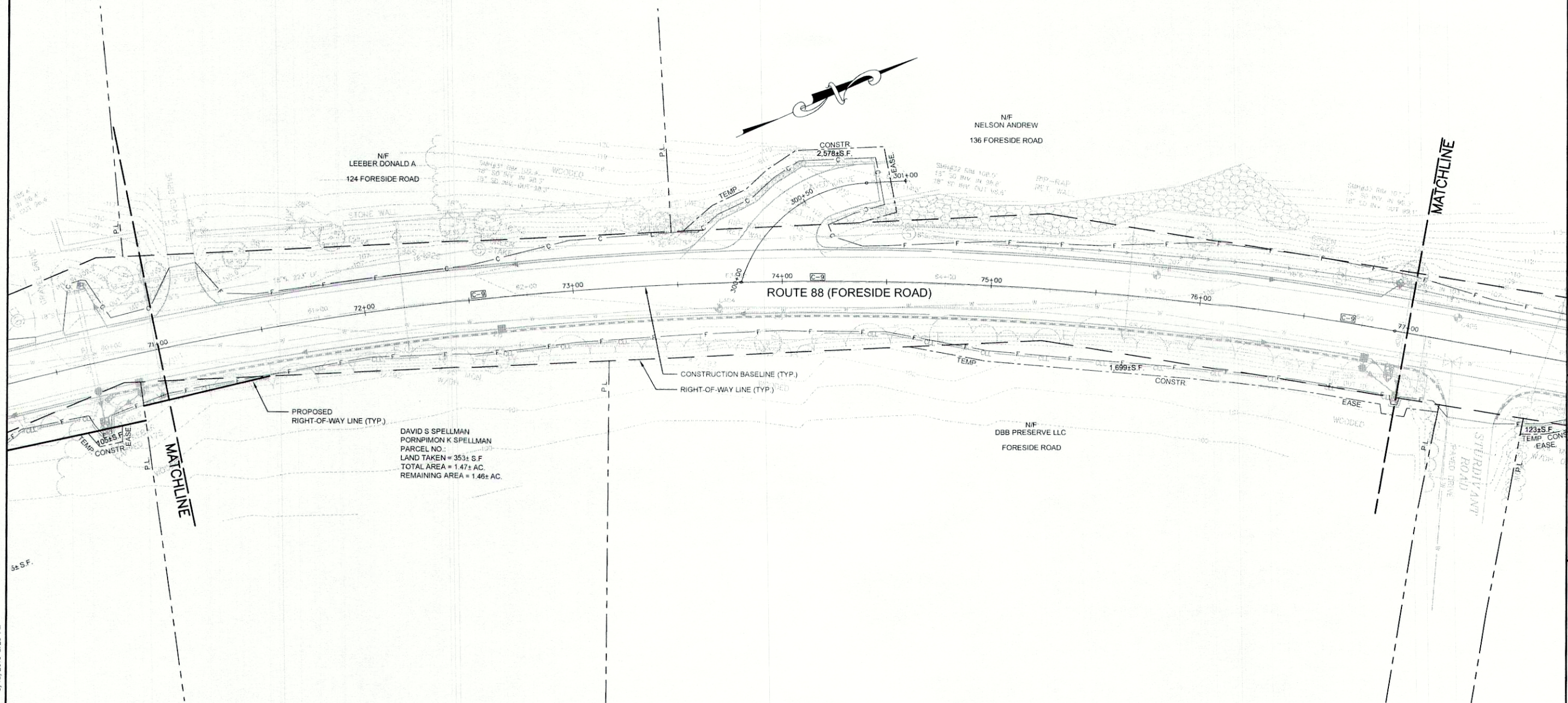
STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____ REGISTER

COMMISSIONER
CHIEF ENGINEER
DATE

ROUTE 88
FORESIDE ROAD
CUMBERLAND
CUMBERLAND
DATE: 03/15/2010
SCALE 1" = 25'
RIGHT-OF-WAY MAP
SHEET 12 OF 33
D.O.T. FILE NO. X-XXX

SHEET NUMBER
122
OF 143

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-9	878.30'	1560.00'	451.13'	32°15'30"	68+15.65	76+93.95



NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
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REVISIONS				PLAN FILED IN PLAN BOOK				COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	PAGE	INSTRUMENT	DATE	BOOK	PAGE	

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

COMMISSIONER
CHIEF ENGINEER
DATE

ROUTE 88
FORESIDE ROAD
CUMBERLAND
CUMBERLAND
DATE: 03/15/2010
SCALE 1" = 25'
RIGHT-OF-WAY MAP
SHEET 11 OF 33
D.O.T. FILE NO. X-XXX

SHEET NUMBER
121
OF 143

NOTE:
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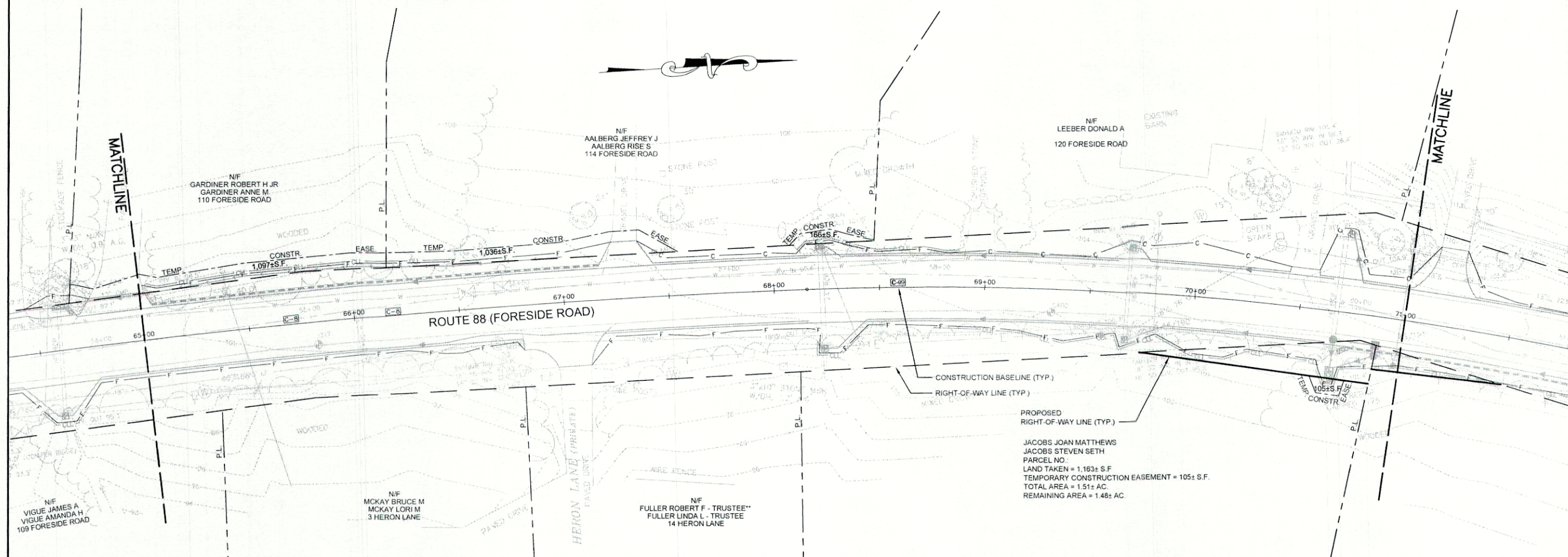
SYMBOLS		BASE MAP		EXIST. R/W		PROP. LINES		AREAS	
• (IRON PIPE or PIN)	GRADING LIMIT LINE								
□ (ROW MONUMENT)	CONSTRUCTION LIMIT LINE								
△ (TRANSVERSE POINT)	PROPERTY LINE								
— (WATER LINE)	LIMITS OF WRIGHT PORTION								
— (GAS LINE)	EXISTING RIGHT OF WAY								
— (ELECTRIC LINE)	NEW RIGHT OF WAY								
— (TELEPHONE LINE)	NEW ROW WITHIN EXIST. ROW								
— (SEWER LINE)	CONTROL OF ACCESS								

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-8	451.50'	4000.00'	225.99'	6°28'02"	63+64.15	68+15.65

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-9	878.30'	1560.00'	451.13'	32°15'30"	68+15.65	76+93.95



NOTE:
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SYMBOLS	
(WELL)	CONSTRUCTION LINE
(IRON PIPE OR PIV)	CONSTRUCTION LINE
(ST. (SEPTIC TANK))	CONSTRUCTION LINE
(ROW MONUMENT)	CONSTRUCTION LINE
(TRAVEL POINT)	CONSTRUCTION LINE
(WATER LINE)	CONSTRUCTION LINE
(GAS LINE)	CONSTRUCTION LINE
(ELECTRIC LINE)	CONSTRUCTION LINE
(TELEPHONE LINE)	CONSTRUCTION LINE
(SEWER LINE)	CONSTRUCTION LINE

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

REVISIONS		
NO.	DATE	DESCRIPTION

PLAN NO.	FILED IN PLAN BOOK	PAGE	COUNTY RECORD	INSTRUMENT	DATE	BOOK	PAGE

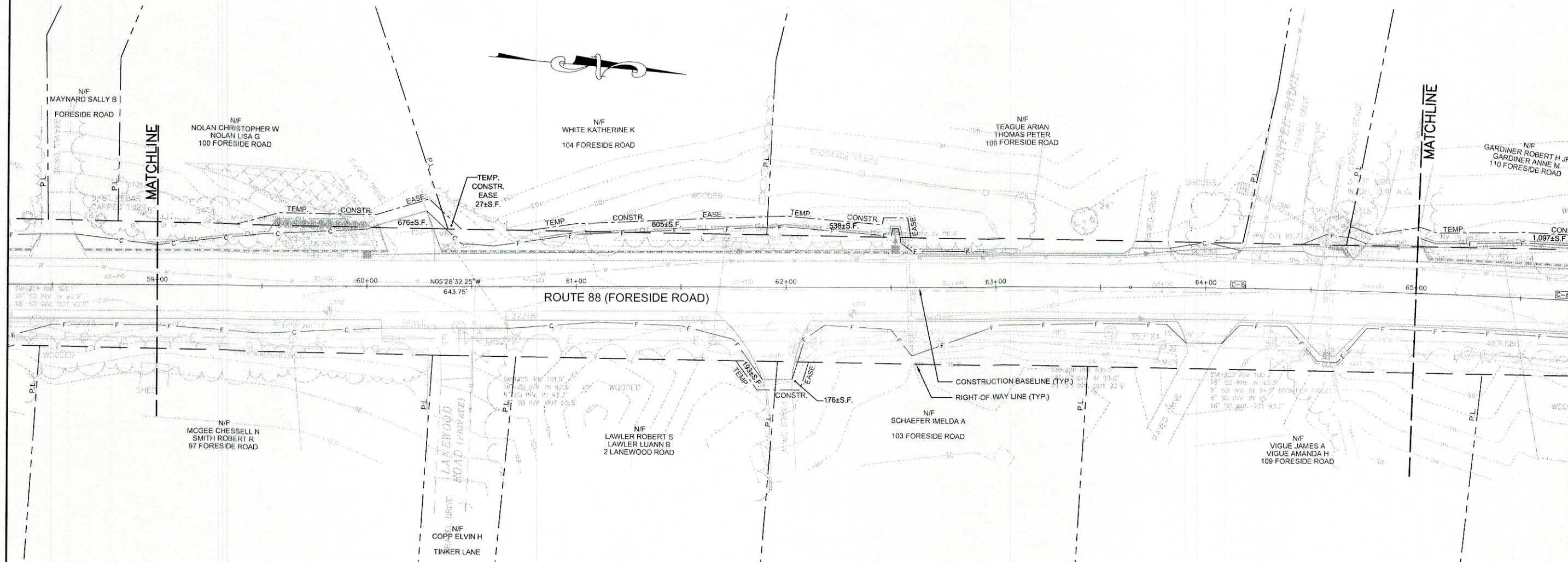
STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____ REGISTER

COMMISSIONER
CHIEF ENGINEER
DATE

ROUTE 88 FORESIDE ROAD		
CUMBERLAND		CUMBERLAND
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX
SCALE 1" = 25'	SHEET 10 OF 33	

SHEET NUMBER
120
OF 143

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-8	451.50'	4000.00'	225.99'	6°28'02"	63+64.15	68+15.65

NOTE:
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REVISIONS				PLAN FILED IN				COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	PLAN	BOOK	PAGE	INSTRUMENT	DATE	BOOK	PAGE

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

CUMBERLAND		ROUTE 88 FORESIDE ROAD		CUMBERLAND	
DATE: 03/15/2010		RIGHT-OF-WAY MAP		D.O.T. FILE NO. X-XXX	
SCALE 1" = 25'		SHEET 9 OF 33			

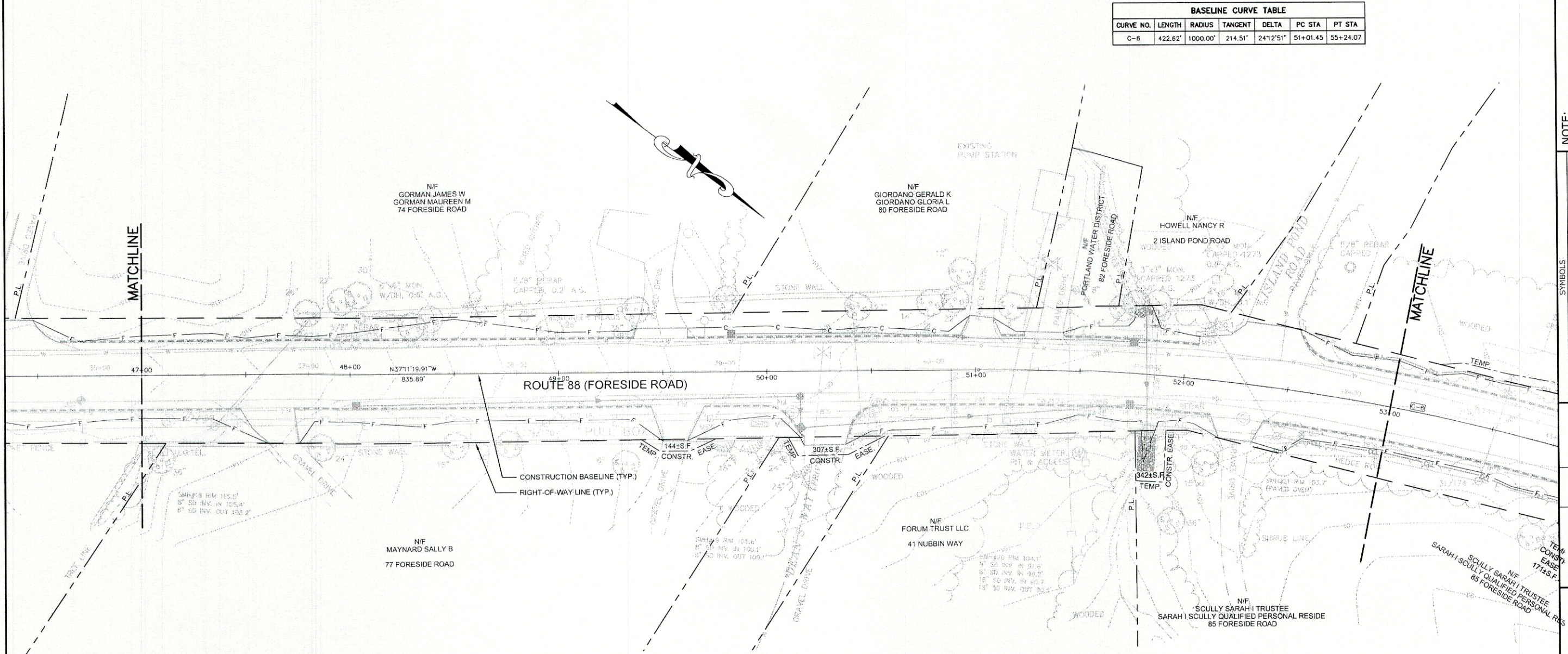
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

NOTE:
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BETWEEN ADJACENT PROPERTY OWNERS.

BASE MAP
EXIST. R/W
PROP. LINES
AREAS

SHEET NUMBER
119
OF 143

U:\2239 - Route 88 Cumberland\Z - CAD\DWG\2239_ROW.dwg 5/18/2010 5:25 PM



BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-6	422.62'	1000.00'	214.51'	24°12'51"	51+01.45	55+24.07

NOTE:
PROPERTY LINE INFORMATION BASED
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SYMBOLS	
• (IRON PIPE or PIN)	OWELL (WELL)
□ (SLOW MONUMENT)	GRAVING LIMIT LINE
▲ (TRAVELER POINT)	CONSTRUCTION LIMIT LINE
— (WATER LINE)	PROPERTY LINE
— (GAS LINE)	LIMITS OF WROUGHT PORTION
— (ELECTRIC LINE)	EXISTING RIGHT OF WAY
— (TELEPHONE LINE)	NEW RIGHT OF WAY
— (SEWER LINE)	NEW ROW WITHIN EXIST. ROW
	CONTROL OF ACCESS

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

REVISIONS		
NO.	DATE	DESCRIPTION

PLAN FILED IN PLAN BOOK		PAGE		COUNTY RECORD	
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

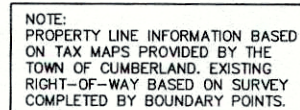
STATE OF MAINE
REGISTRY OF DEEDS
COUNTY RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____ REGISTER

COMMISSIONER
CHIEF ENGINEER
DATE

ROUTE 88 FORESIDE ROAD		
CUMBERLAND		CUMBERLAND
DATE: 03/15/2010	RIGHT-OF-WAY MAP SHEET 7 OF 33	D.O.T. FILE NO. X-XXX
SCALE 1" = 25'		

SHEET NUMBER
117
OF 143

U:\2239 - Route 88 Cumberland\Z - CAD\DWG\2239_ROW1.dwg 5/18/2010 5:25 PM

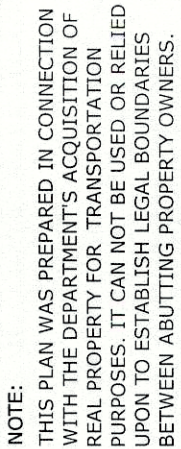


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BASE MAP
EXIST. R/W
PROP. LINES
AREAS

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

MAINEDOT PIN	CUMBERLAND, ROUTE 88
--------------	----------------------



WELL	(WELL)
GRADING LIMIT LINE	
CONSTRUCTION LIMIT LINE	
PROPERTY LINE PL	
LIMITS OF WROUGHT PORTION	
EXISTING RIGHT OF WAY	
NEW RIGHT OF WAY	
NEW ROW WITHIN EXIST. ROW	
CONTROL OF ACCESS	

SY

● P (IRON PIPE or PIN)
□ ST. (SEPTIC TANK)
■ (ROW MONUMENT)
Δ BM (TRAVERSE POINT)

— W WATER LINE
— G GAS LINE
— E ELECTRIC LINE
— T TELEPHONE LINE
— S SEWER LINE

--	--	--	--	--

BASE MAP	
EXIST. R/W	
PROP. LINES	
AREAS	

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

NOTE:
PROPERTY LINE INFORMATION BASED
ON TAX MAPS PROVIDED BY THE
TOWN OF CUMBERLAND. EXISTING
RIGHT-OF-WAY BASED ON SURVEY
COMPLETED BY BOUNDARY POINTS.

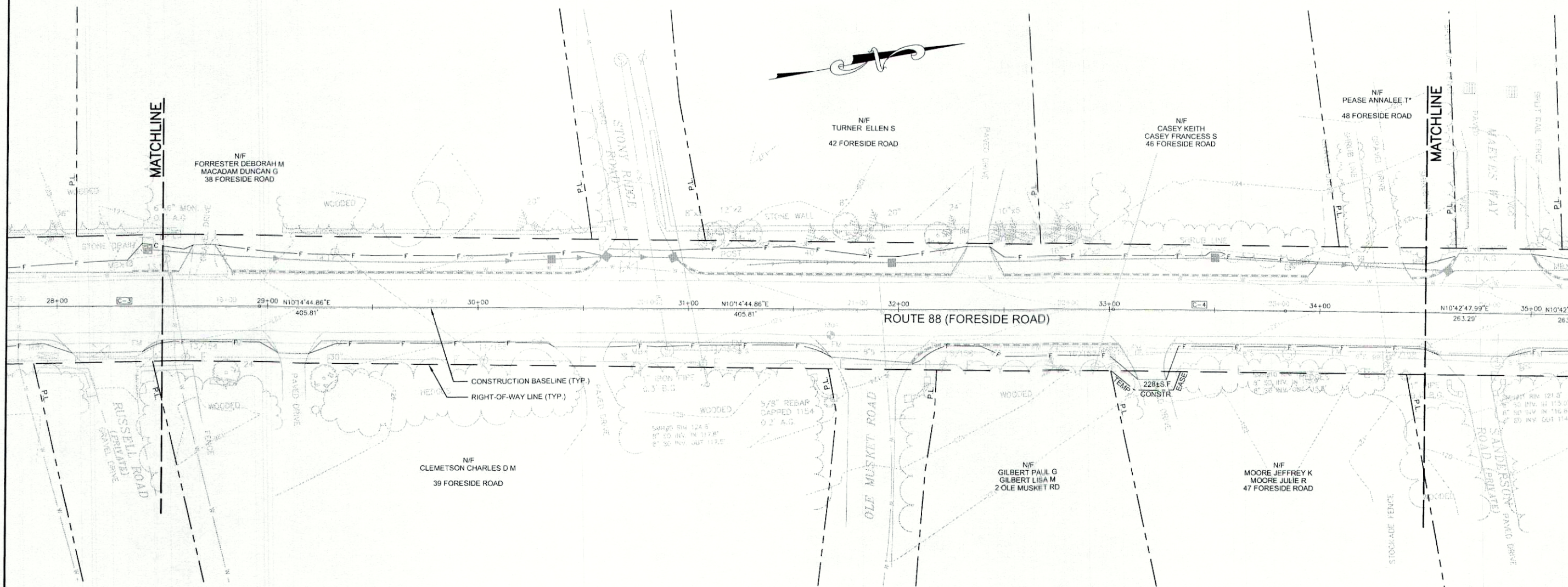
GP Gorrill-Palmer Consulting Engineers, Inc.
 PO Box 1237 *Engineering Excellence Since 1998* 207-657-6910
 15 Shaker Road FAX: 207-657-6912
 Gray, ME 04039 E-Mail: mailbox@gorrillpalmer.com
 PJN

REVISIONS				PLAN NO.	FILED IN	PLAN BOOK GRANTOR	PAGE	COUNTY RECORD DATE	BOOK	PAGE	STATE OF MAINE REGISTRY OF DEEDS		ROUTE 88 FORESIDE ROAD			SHEET NUMBER	
NO.	DATE	DESCRIPTION	BY								COUNTY RECEIVED _____ at h _____ m _____ M and recorded in Plan Book _____ , Page _____ Attest: _____ REGISTER	COMMISSIONER	CHIEF ENGINEER	DATE	CUMBERLAND	CUMBERLAND	115
																	OF 143

U: 2239 - Route 88 Cumberland V - CAD\\DWG\\2239_ROW\\dwg 5/16/2010 5:25 PM

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-3	128.39'	10000.00'	64.20'	0°44'08"	27+67.80	28+96.19

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-4	81.60'	10000.00'	40.80'	0°28'03"	33+02.00	33+83.60



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REVISIONS				PLAN FILED IN PLAN BOOK				COUNTY RECORD			
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	PAGE		INSTRUMENT	DATE	BOOK	PAGE

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

CUMBERLAND		ROUTE 88 FORESIDE ROAD		CUMBERLAND	
DATE: 03/15/2010		RIGHT-OF-WAY MAP		D.O.T. FILE NO. X-XXX	
SCALE 1" = 25'		SHEET 4 OF 33			

NOTE:
THIS PLAN WAS PREPARED IN CONNECTION
WITH THE DEPARTMENT'S ACQUISITION OF
REAL PROPERTY FOR TRANSPORTATION
PURPOSES. IT CAN NOT BE USED OR RELIED
UPON TO ESTABLISH LEGAL BOUNDARIES
BETWEEN ABUTTING PROPERTY OWNERS.

SYMBOLS

• P (IRON PIPE or PIN)
□ ST (SEPTIC TANK)
▲ (TRAVELER POINT)
— W (WATER LINE)
— G (GAS LINE)
— E (ELECTRIC LINE)
— T (TELEPHONE LINE)
— S (SEWER LINE)

OWELL (WELL)
— GRADING LIMIT LINE
— CONSTRUCTION LIMIT LINE
— PROPERTY LINE
— LIMITS OF WRIGHT PORTION
— EXISTING RIGHT OF WAY
— NEW RIGHT OF WAY
— NEW ROW WITHIN EXIST. ROW
— CONTROL OF ACCESS

BASE MAP
EXIST. R/W
PROP. LINES
AREAS

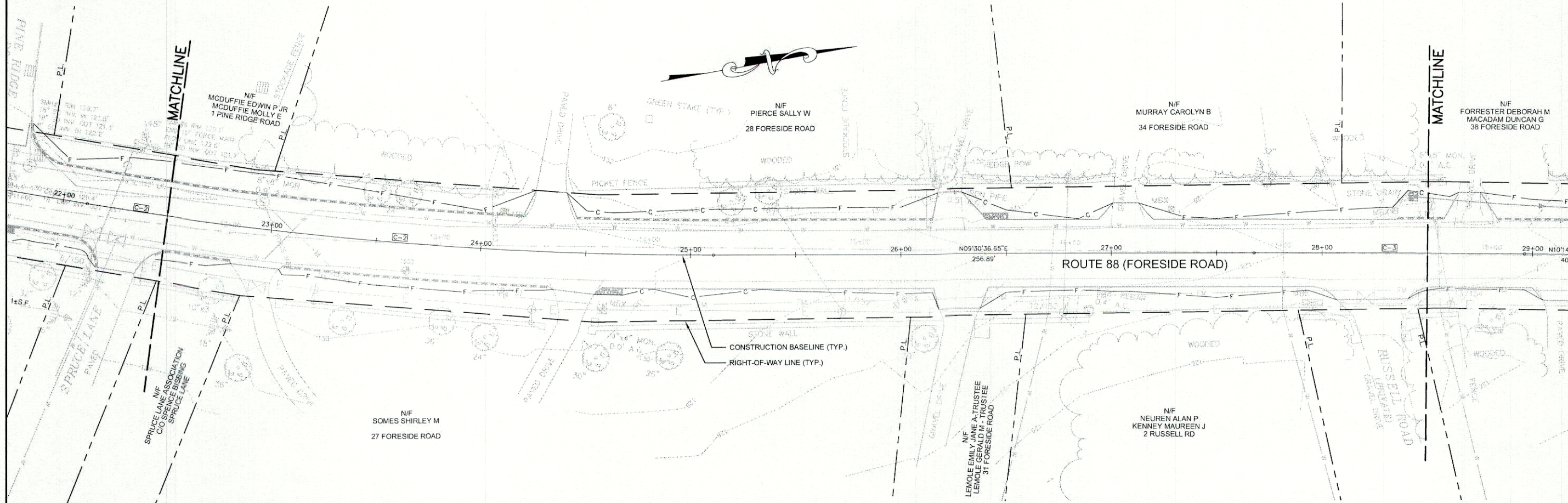
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
RIGHT OF WAY MAP

SHEET NUMBER
114
OF 143

U:\2239 - Route 88 Cumberland\2 - CAD\DWG\2239_ROW1.dwg 5/16/2010 5:25 PM

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-2	299.47'	1800.00'	150.08'	9°31'57"	22+11.43	25+10.90

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-3	128.39'	10000.00'	64.20'	0°44'08"	27+67.80	28+96.19



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STATE OF MAINE
REGISTRY OF DEEDS

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

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88
FORESIDE ROAD

CUMBERLAND CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 3 OF 33

D.O.T. FILE NO. X-XXX

SHEET NUMBER
113
OF 143

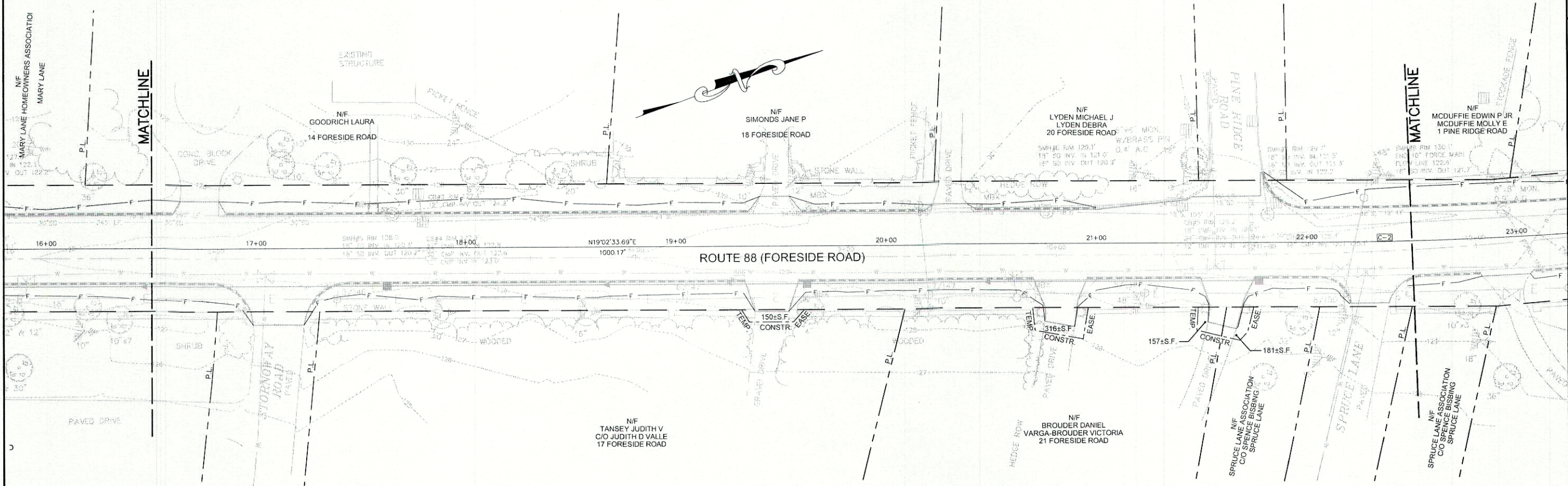
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SYMBOLS	
OWELL (WELL)	GRADING LIMIT LINE
PROPERTY LINE	CONSTRUCTION LIMIT LINE
LIMITS OF WROUGHT PORTION	PL
EXISTING RIGHT OF WAY	PL
NEW RIGHT OF WAY	PL
NEW ROW WITHIN EXIST. ROW	PL
CONTROL OF ACCESS	PL

BASE MAP	EXIST. R/W	PROP. LINES	AREAS

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

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BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-2	299.47'	1800.00'	150.08'	9°31'57"	22+11.43	25+10.90

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REGISTRY OF DEEDS

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

COMMISSIONER _____
CHIEF ENGINEER _____
DATE _____

ROUTE 88
FORESIDE ROAD

CUMBERLAND CUMBERLAND

DATE: 03/15/2010 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 2 OF 33

D.O.T. FILE NO. X-XXX

SHEET NUMBER
112
OF 143

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

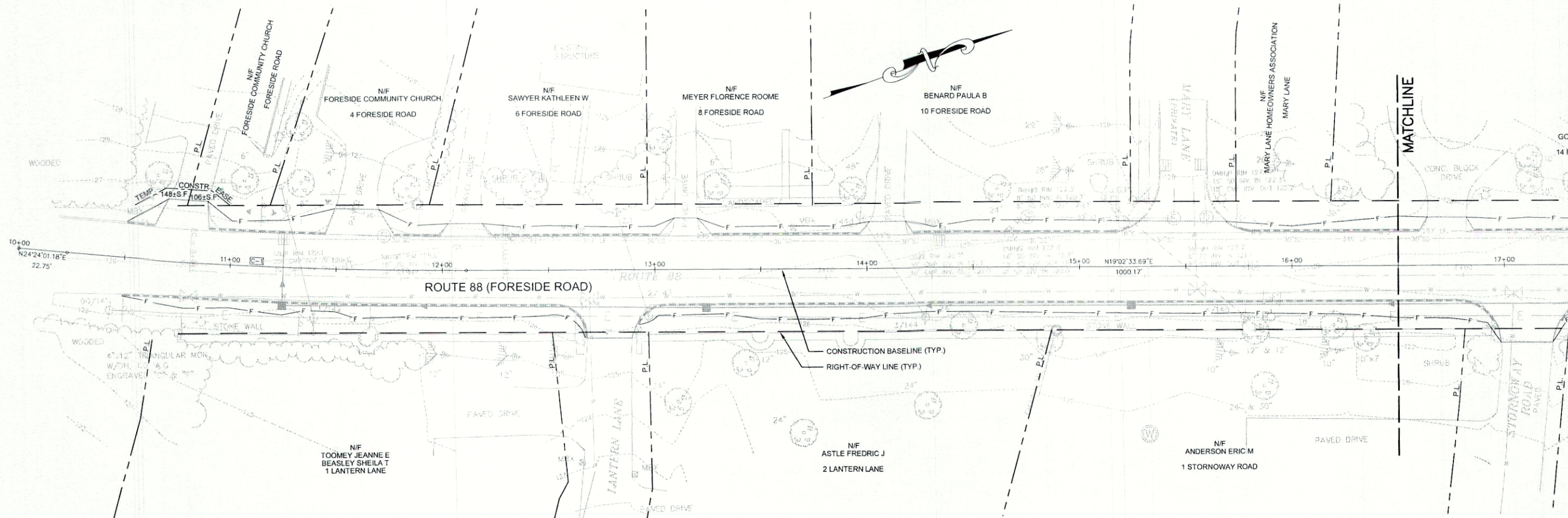
BASE MAP
EXIST. R/W
PROP. LINES
AREAS

SYMBOLS
• (IRON PIPE & PIN)
□ (SEPTIC TANK)
□ (ROW MONUMENT)
▲ (TRAVEL POINT)
— (WATER LINE)
— (GAS LINE)
— (ELECTRIC LINE)
— (TELEPHONE LINE)
— (SEWER LINE)
— (GRADING LIMIT LINE)
— (CONSTRUCTION LIMIT LINE)
— (PROPERTY LINE)
— (LIMITS OF WRIGHT PORTION)
— (EXISTING RIGHT OF WAY)
— (NEW RIGHT OF WAY)
— (NEW ROW WITHIN EXIST. ROW)
— (CONTROL OF ACCESS)

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U:\2239 - Route 88 Cumberland\2 - CAD\DWG\2239_ROW1.dwg 5/18/2010 5:24 PM

BASELINE CURVE TABLE						
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	PC STA	PT STA
C-1	188.51'	2016.00'	94.33'	5°21'27"	10+22.75	12+11.26



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SYMBOLS	
• (IRON PIPE OR PIN)	○ WELL
□ (SEPTIC TANK)	— EXISTING LIMIT LINE
▢ (ROW MONUMENT)	— CONSTRUCTION LIMIT LINE
▲ (TRAVEL POINT)	— PROPERTY LINE
— WATER LINE	— LIMITS OF ADJACENT PORTION
— GAS LINE	— EXISTING RIGHT OF WAY
— ELECTRIC LINE	— NEW RIGHT OF WAY
— TELEPHONE LINE	— NEW ROW WITHIN EXIST. ROW
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BASE MAP
EXIST. R/W
PROP. LINES
AREAS

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

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ROUTE 88 FORESIDE ROAD		CUMBERLAND	
DATE: 03/15/2010	RIGHT-OF-WAY MAP	D.O.T. FILE NO. X-XXX	
SCALE 1" = 25'	SHEET 1 OF 33	OF 143	

MAINEDOT PIN

CUMBERLAND, ROUTE 88