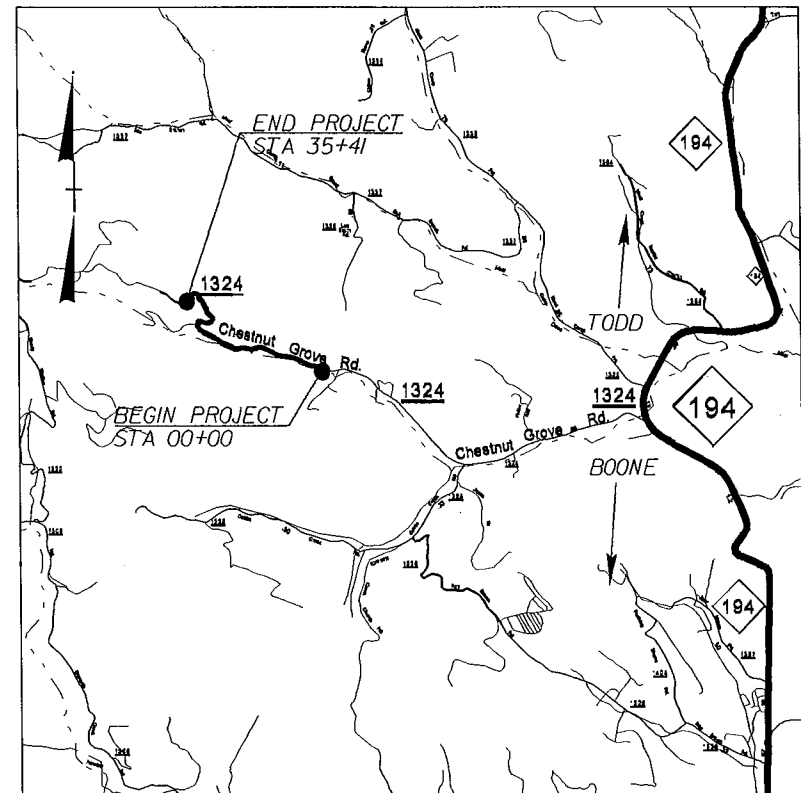


24-JUL-2017 09:00
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 \$\$\$USERNAME\$\$\$

REVISION: 02/09/17

VICINITY MAP



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

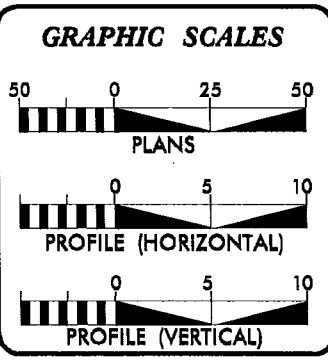
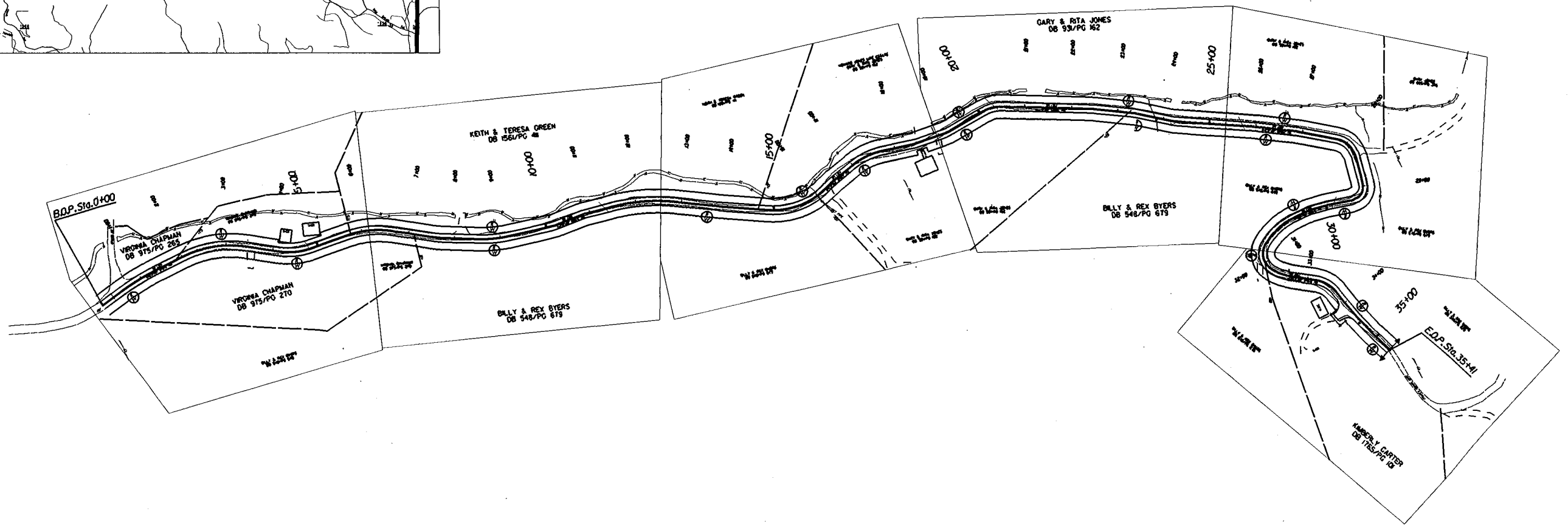
WATAUGA COUNTY

LOCATION: SR 1324 CHESTNUT GROVE RD
FROM END OF PAVEMENT 0.67 MILES TO END OF MAINTE
STA 00+00 TO E.O.P. 35+41

TYPE OF WORK: GRADING, DRAINAGE, BASE
AND PAVING - 0.67 MILES

BEGAN SURVEY: 09/04/15
END SURVEY: 09/22/15

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095113	1	14
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
		SR1324	



DESIGN DATA

ADT	=	
ADT	=	
DHV	=	%
D	=	%
T	=	% *
V	=	MPH
* TTST		DUAL

PROJECT LENGTH

Prepared in the Office of:
DIVISION OF HIGHWAYS
 DIVISION 11, DISTRICT 2 BOONE
 P.O. BOX 1460, BOONE, N.C. 28607

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: M.A. PETTYJOHN P.E.
 DIVISION ENGINEER

LETTING DATE: D ELLER
 DISTRICT ENGINEER

DIVISION ENGINEER

SIGNATURE: _____ P.E.

DISTRICT ENGINEER

SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

STATE HIGHWAY DESIGN ENGINEER P.E.

GENERAL NOTES

PROJECT REFERENCE NO.	SHEET NO.
11C.095113	1-A
ROADWAY DESIGN ENGINEER	

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-D	UTILITIES POLE DATA AND CENTER LINE SHIFT SHEET
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3-B	RIGHT OF WAY DATA SHEET
3-C	DRAINAGE SUMMARY SHEET (48" AND UNDER)
4	PLAN SHEET

NOTE:
PROPERTY LINES ARE APPROXIMATE AND
PROJECTED FROM COUNTY TAX/GIS DATA.
ONLY CORNERS WITH STATION AND OFFSET
WERE LOCATED DURING SURVEY.

3/15/05

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ BP
Property Corner	-----
Property Monument	□ BM
Parcel/Sequence Number	① 23
Existing Fence Line	-----
Proposed Woven Wire Fence	-----
Proposed Chain Link Fence	-----
Proposed Barbed Wire Fence	-----
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	+
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	-----
Buffer Zone 1	-----
Buffer Zone 2	-----
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite Marker	-----
Existing Control of Access	○
Proposed Control of Access	○
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Wheel Chair Ramp	-----
Proposed Wheel Chair Ramp Curb Cut	-----
Curb Cut for Future Wheel Chair Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	○
Pavement Removal	-----

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	○
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	○
Proposed Power Pole	○
Existing Joint Use Pole	○
Proposed Joint Use Pole	○
Power Manhole	○
Power Line Tower	□
Power Transformer	□
U/G Power Cable Hand Hole	□
H-Frame Pole	○
Recorded U/G Power Line	-----
Designated U/G Power Line (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	○
Proposed Telephone Pole	○
Telephone Manhole	○
Telephone Booth	□
Telephone Pedestal	□
Telephone Cell Tower	○
U/G Telephone Cable Hand Hole	□
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	○
Water Meter	○
Water Valve	○
Water Hydrant	○
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Satellite Dish	○
TV Pedestal	□
TV Tower	○
U/G TV Cable Hand Hole	□
Recorded U/G TV Cable	-----
Designated U/G TV Cable (S.U.E.*)	-----
Recorded U/G Fiber Optic Cable	-----
Designated U/G Fiber Optic Cable (S.U.E.*)	-----

GAS:

Gas Valve	○
Gas Meter	○
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	○
Sanitary Sewer Cleanout	○
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

MISCELLANEOUS:

Utility Pole	○
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	□
Utility Unknown U/G Line	-----
U/G Tank; Water, Gas, Oil	□
A/G Tank; Water, Gas, Oil	□
U/G Test Hole (S.U.E.*)	○
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

7/2/09
 ENTERED BY: Chad Sheets DATE: 01-28-2016
 CHECKED BY: Jacob Combs DATE: 01-28-2016
 DATE: REVISIONS

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. IIC.095113
 SHEET NO. 1-C

NOTE: ALL CUTS 1.5:1 & ALL FILLS 2:1 UNLESS NOTED

SLOPE STAKE DATA SHEET

LEFT	STATION	RIGHT	LEFT	STATION	RIGHT	LEFT	STATION	RIGHT	LEFT	STATION	RIGHT
---	1+00	---	---	35+00	---	---	69+00	---	---	103+00	---
---	2+00	---	---	36+00	---	---	70+00	---	---	104+00	---
---	3+00	---	---	37+00	---	---	71+00	---	---	105+00	---
---	4+00	---	---	38+00	---	---	72+00	---	---	106+00	---
---	5+00	---	---	39+00	---	---	73+00	---	---	107+00	---
---	6+00	---	---	40+00	---	---	74+00	---	---	108+00	---
---	7+00	---	---	41+00	---	---	75+00	---	---	109+00	---
---	8+00	---	---	42+00	---	---	76+00	---	---	110+00	---
---	9+00	---	---	43+00	---	---	77+00	---	---	111+00	---
---	10+00	---	---	44+00	---	---	78+00	---	---	112+00	---
---	11+00	---	---	45+00	---	---	79+00	---	---	113+00	---
---	12+00	---	---	46+00	---	---	80+00	---	---	114+00	---
---	13+00	---	---	47+00	---	---	81+00	---	---	115+00	---
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---	15+00	---	---	49+00	---	---	83+00	---	---	117+00	---
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7/2/09
 ENTERED BY: CHAD SHEETS DATE: 01-28-2014
 CHECKED BY: JACOB COMBS DATE: 01-28-2014
 REVISIONS
 DATE:

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO.
 11C.095113 1-D

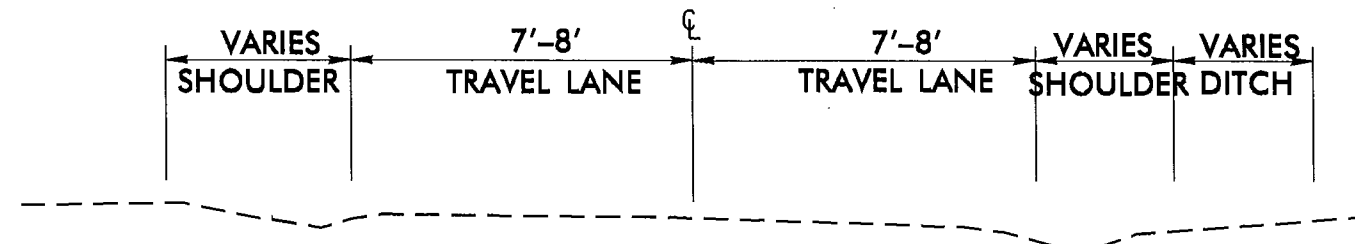
CENTERLINE
 SHIFT STA'S

POLE DATA SHEET

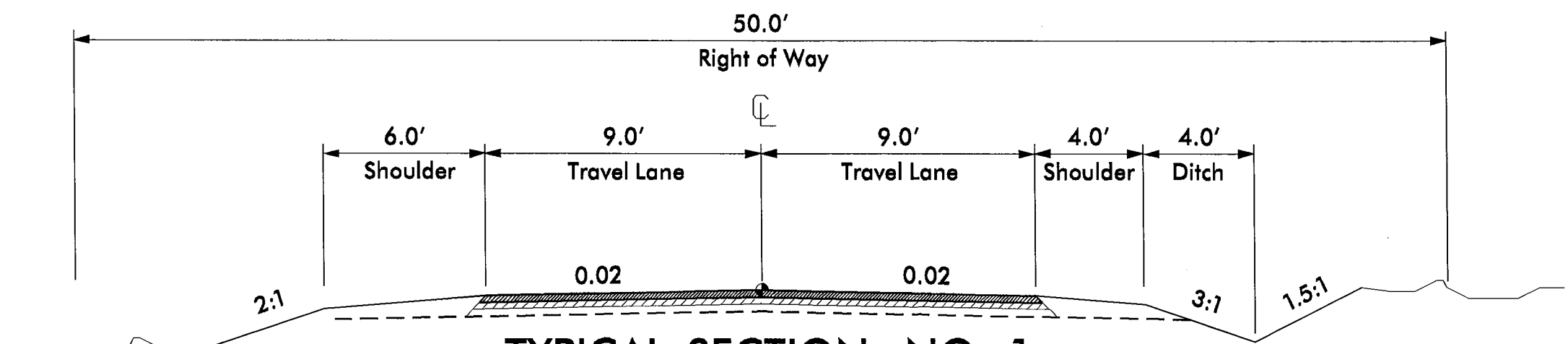
OWNER OF THE POLE LINE: BREMCO									OWNER OF THE POLE LINE: AT&T									STATION		STATION	
STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	LEFT	RIGHT	LEFT	RIGHT
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT				LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT		BOP	EOP		
2+71			23		22		25	PP,PC,PR	2+71			23		22		25	2TW,TPED	0+00		35+41	1
14+92			24		20		25	PP,4PW,2PGW	5+96			14		11		25	2TPED	1+00		38+00	
17+97			15		22		25	PC,PP,SL	18+86			15		16		25	T PED	2+00		39+00	
18+95		7		8		25		SL	27+90			16		12		25	TP,TPED,3TW	3+00		40+00	
29+66			8		8		25	2PW	29+66			8		8		25	3TW	4+00	0.5	41+00	
33+73		23		14		25		PP,4PW,PC,TRAN,2PGW	33+73		23		14		25		6TW	5+00	5	42+00	
34+53			16		20		25	PP,PC,PW	34+53			16		20		25	3TW	6+00	2.5	43+00	
																		7+00	1	44+00	
																		8+00	4	45+00	
																		9+00	5.5	46+00	
																		10+00	4.5	47+00	
																		11+00	2.5	48+00	
																		12+00	3	49+00	
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																		14+00		51+00	
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																		16+00	1	53+00	
																		17+00	5	54+00	
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																		20+00	8	57+00	
									2+71			23		22		25	CW	21+00	3.5	58+00	
																		22+00	4	59+00	
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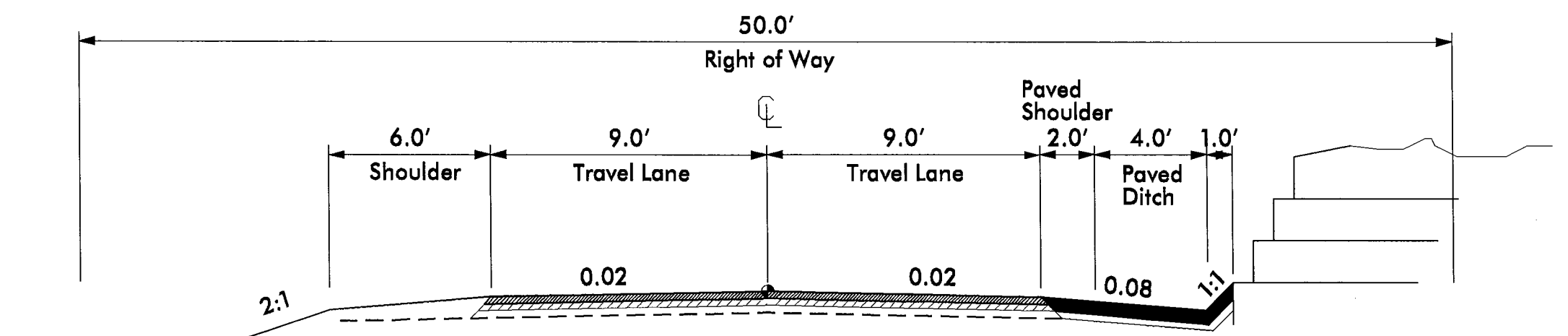
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11C.09511.3	2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



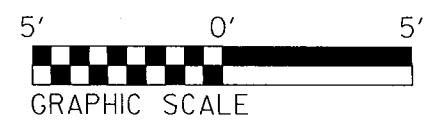
14'-16' EXISTING TYPICAL SECTION



TYPICAL SECTION NO. 1
STA 0+00 TO STA 32+50



TYPICAL SECTION NO. 2
STA 32+50 TO STA 34+30

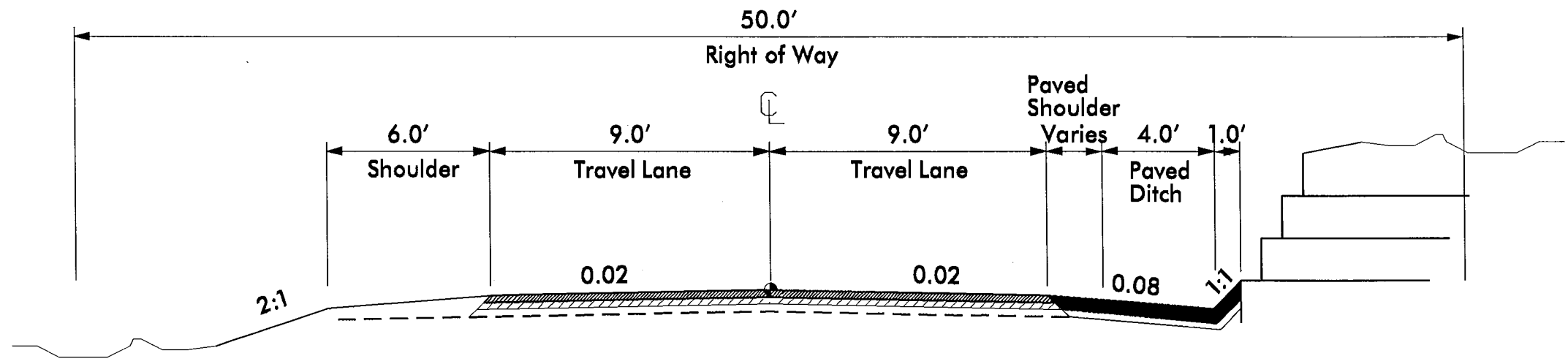


REVISIONS

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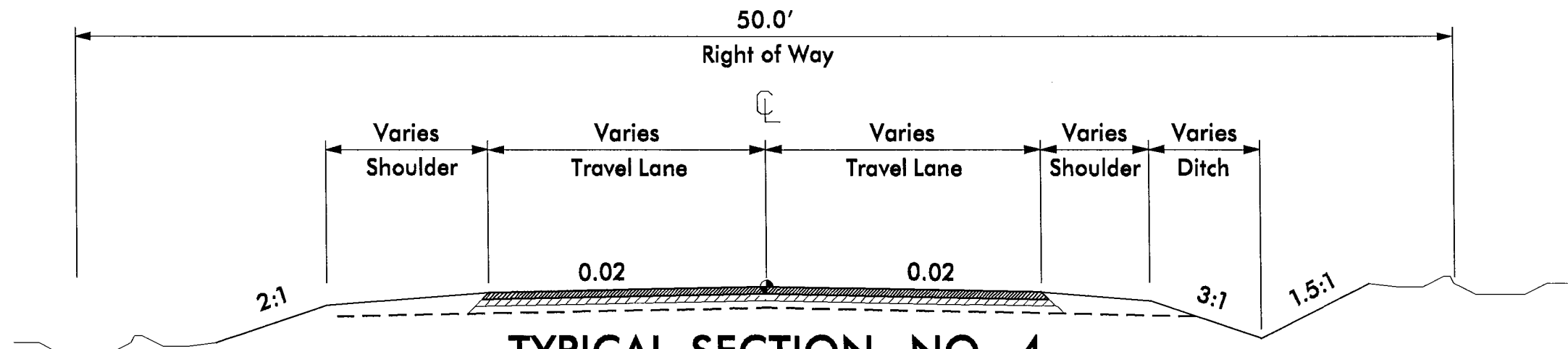
8/17/99

PROJECT REFERENCE NO. 11C.095113	SHEET NO. 2A
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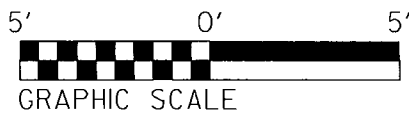
TYPICAL SECTION NO. 3

STA 34+30 TO STA 35+00



TYPICAL SECTION NO. 4

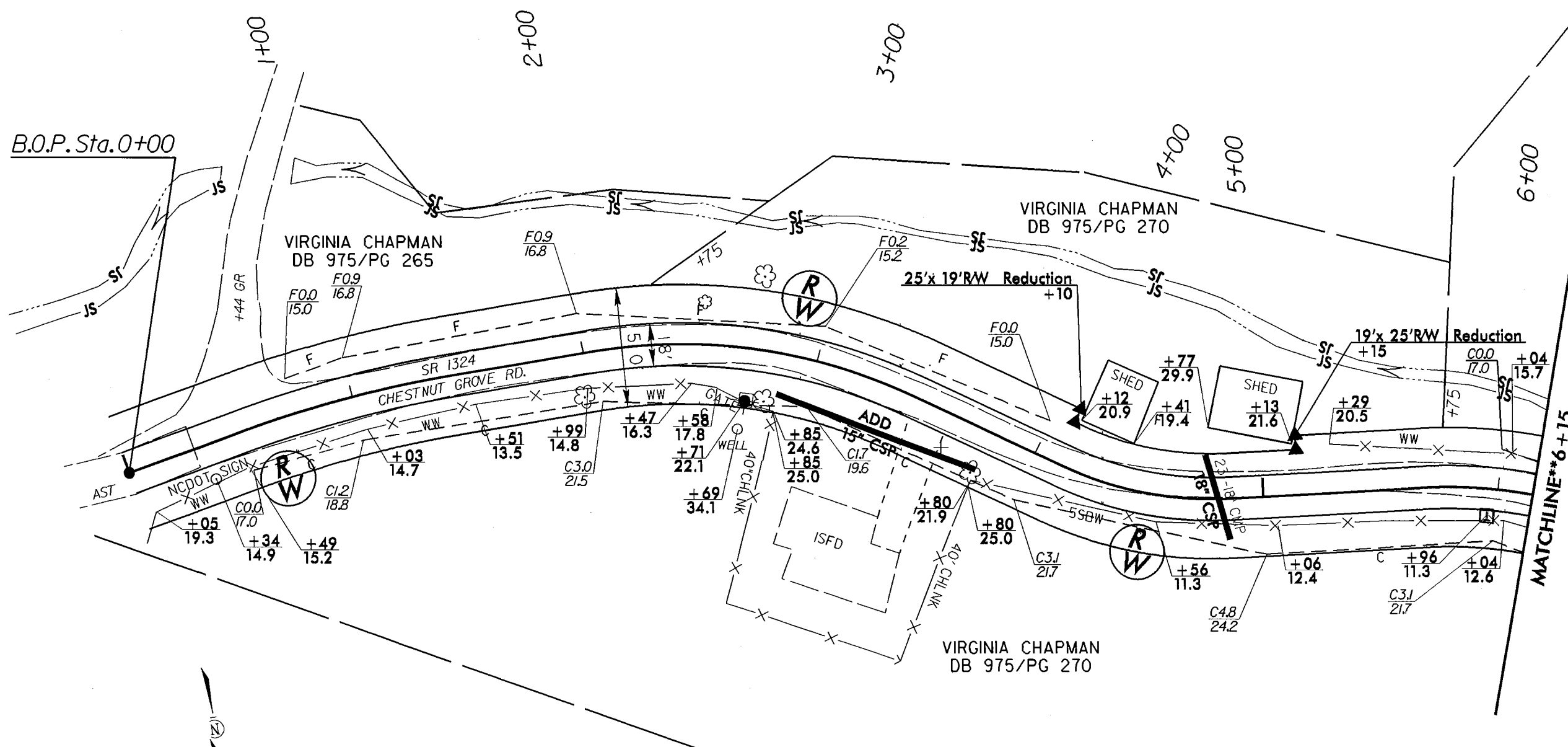
STA 35+00 TO STA 35+41



REVISIONS

8/17/99
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PROJECT REFERENCE NO.	SHEET NO.
11C.095113	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

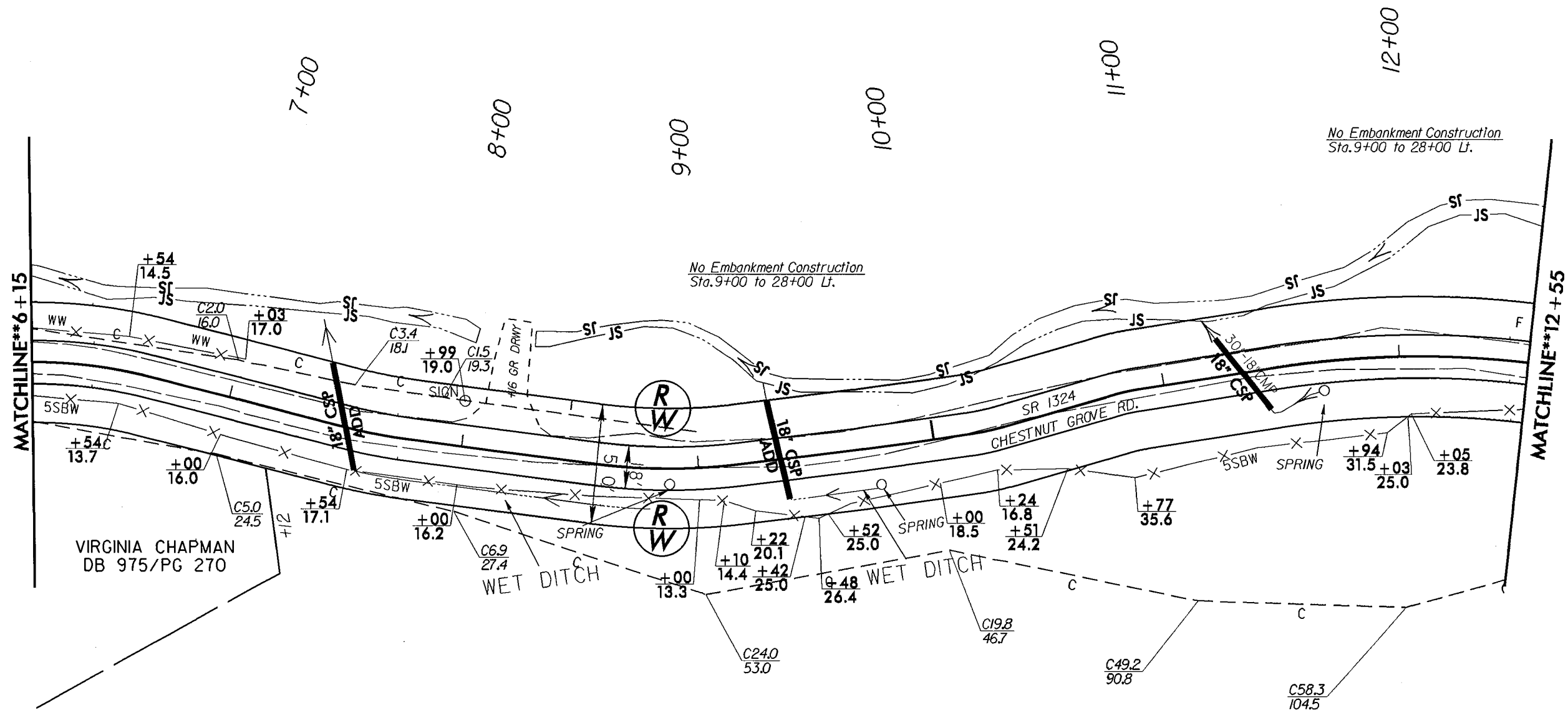
REVISED 08/02/16 ADDED ISFD STA 2+85 TO 3+80 RT TO PLANS

D5_APR-2017 14:46 Secondary\Wetougs\SR1324_Chestnut_Grove\PlanShsta_VirginiaChapman.dgn

BILLY & REX BYERS
DB 548/PG 679

PROJECT REFERENCE NO.	SHEET NO.
11C.095113	5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

KEITH & TERESA GREEN
DB 1561/PG 411



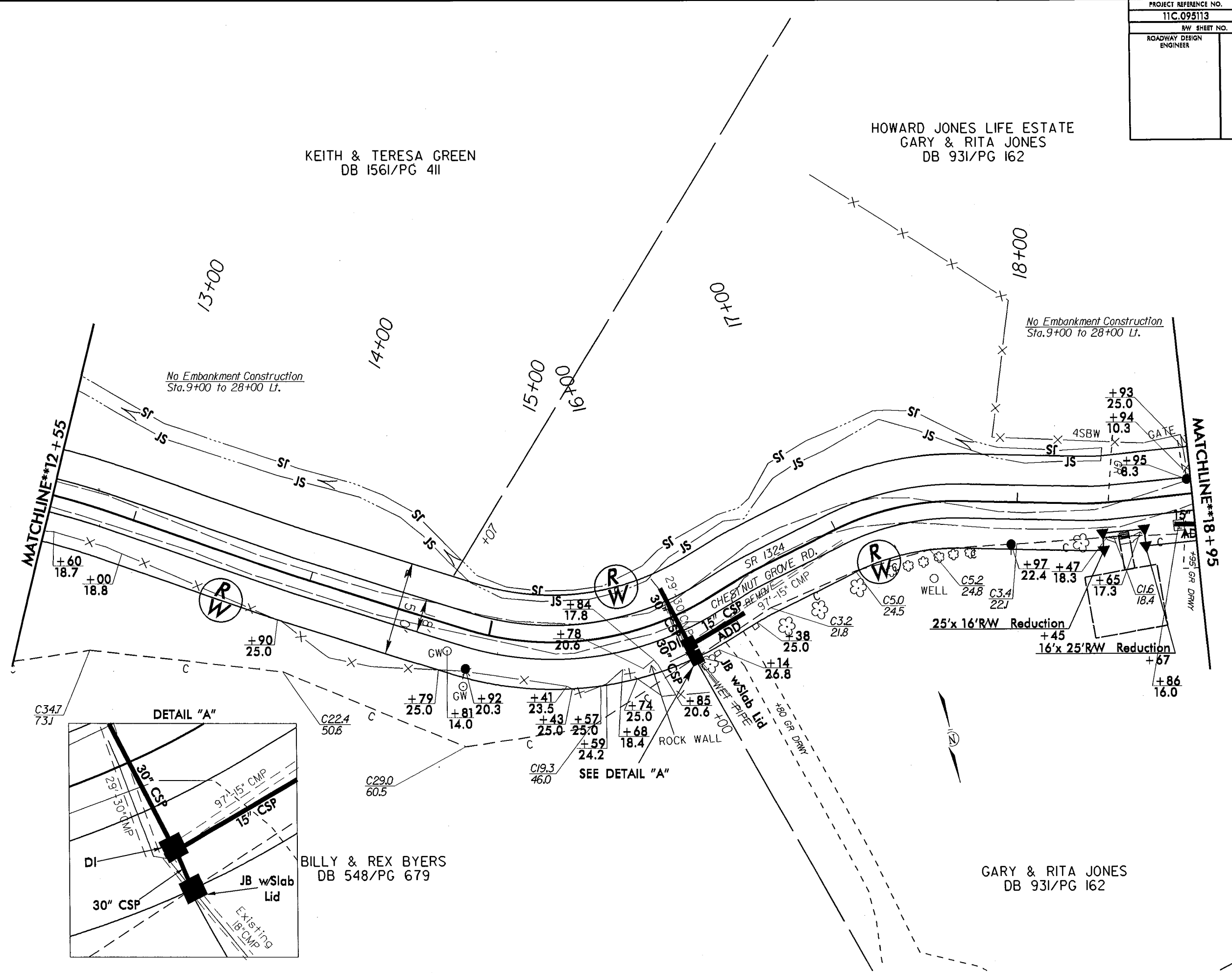
BILLY & REX BYERS
DB 548/PG 679

8/17/99
 REVISIONS
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PROJECT REFERENCE NO. 11C.095113	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

KEITH & TERESA GREEN
DB 1561/PG 411

HOWARD JONES LIFE ESTATE
GARY & RITA JONES
DB 931/PG 162

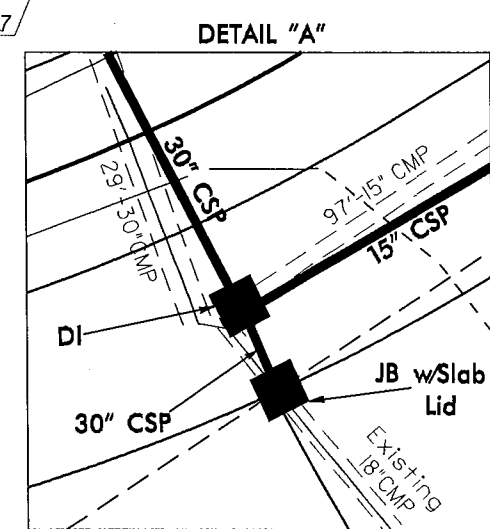


No Embankment Construction
Sta. 9+00 to 28+00 Lt.

No Embankment Construction
Sta. 9+00 to 28+00 Lt.

MATCHLINE**12+55

MATCHLINE**18+95



BILLY & REX BYERS
DB 548/PG 679

GARY & RITA JONES
DB 931/PG 162

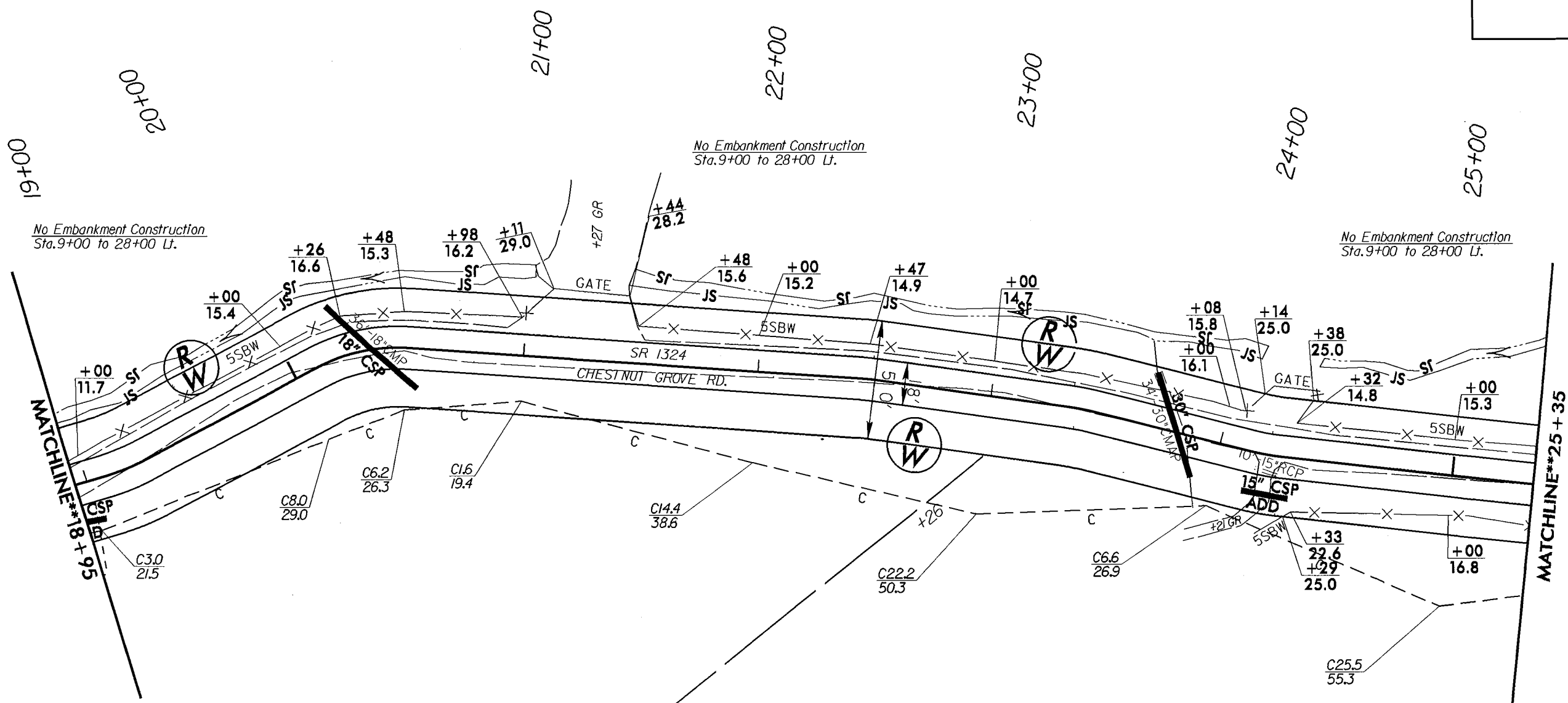
REVISIONS

8/17/99

05-APR-2017 14:46 Secondary\Watauga\SR1324_Chestnut_Grove\PlanShts\PlanSht-6.dgn

PROJECT REFERENCE NO.	SHEET NO.
11C.095113	7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

GARY & RITA JONES
DB 931/PG 162



No Embankment Construction
Sta. 9+00 to 28+00 Lt.

No Embankment Construction
Sta. 9+00 to 28+00 Lt.

No Embankment Construction
Sta. 9+00 to 28+00 Lt.

MATCHLINE**18+55

MATCHLINE**25+35

GARY & RITA JONES
DB 931/PG 162

BILLY & REX BYERS
DB 548/PG 679

REVISIONS

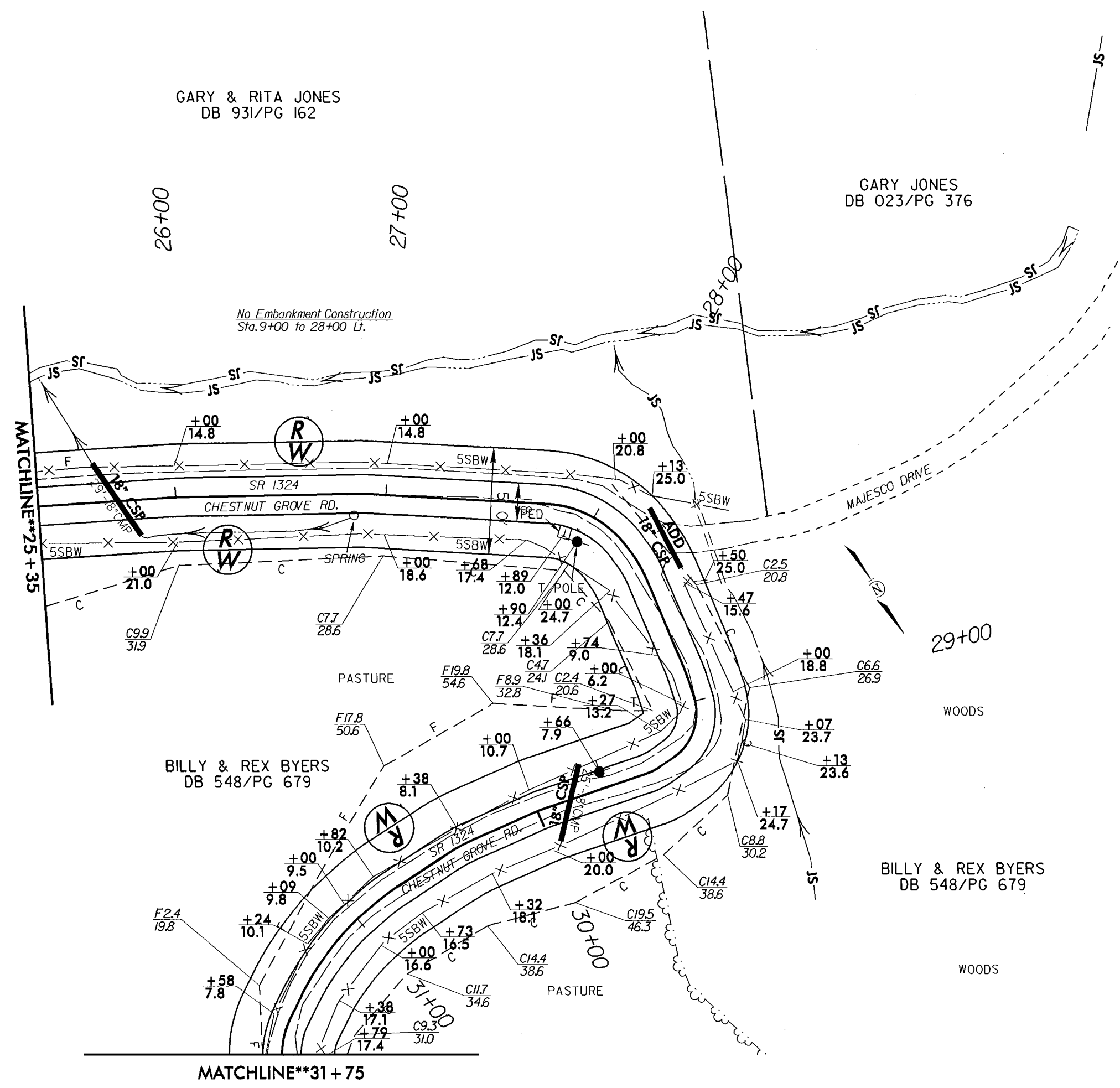
8/17/99

05-APR-2017 14:46 Secondary\Va to uga\SR1324_Chestnut_Grove\PlanShts\PlanSht-7.dgn

PROJECT REFERENCE NO.	SHEET NO.
11C.095113	8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

GARY & RITA JONES
DB 931/PG 162

GARY JONES
DB 023/PG 376

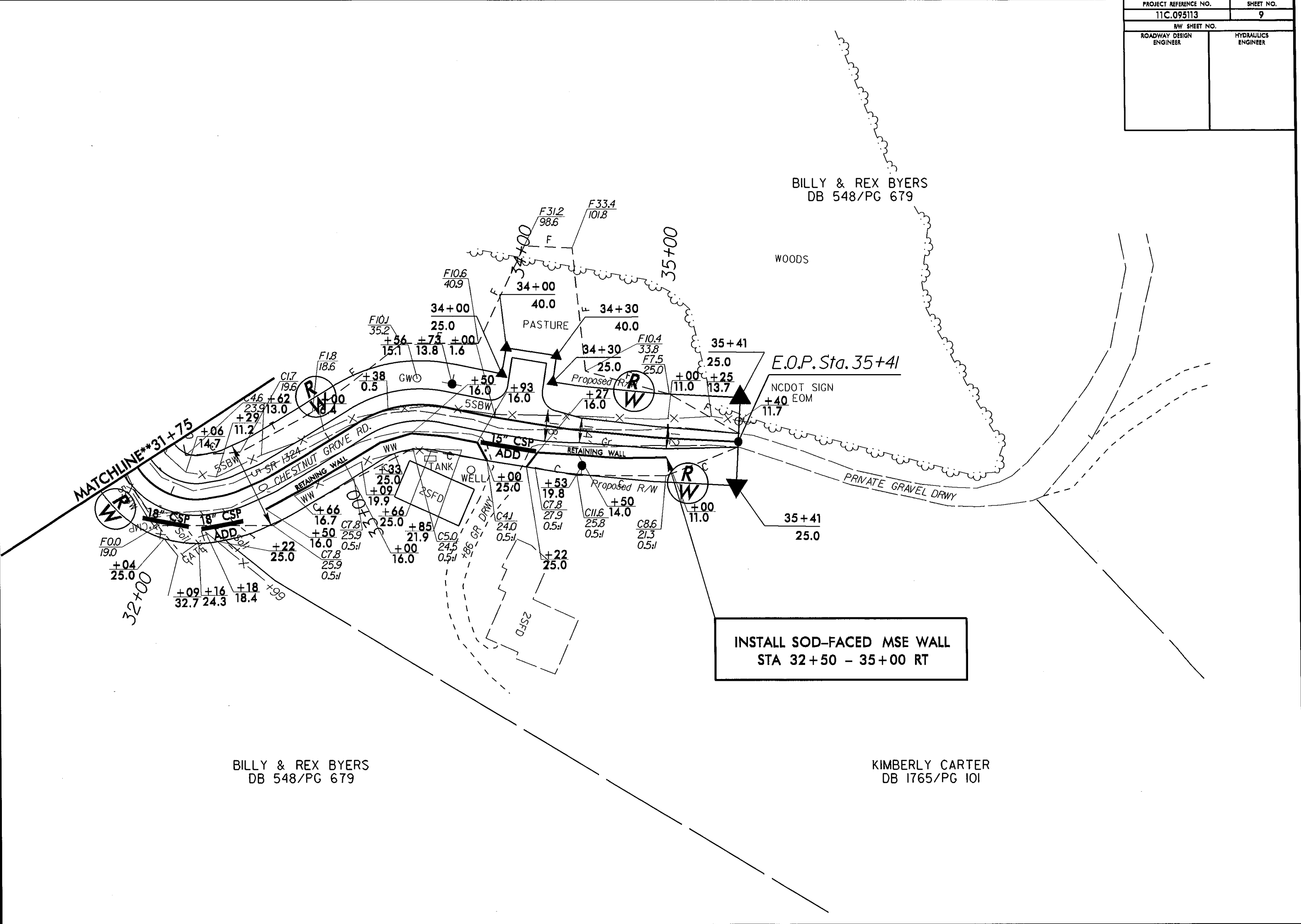


REVISIONS

05-APR-2017 14:46 Secondary\Wetouga\SR1324_Chestnut_Grove\PlanShts\PlanSht-8.dgn
 11C.095113 8

PROJECT REFERENCE NO.	SHEET NO.
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

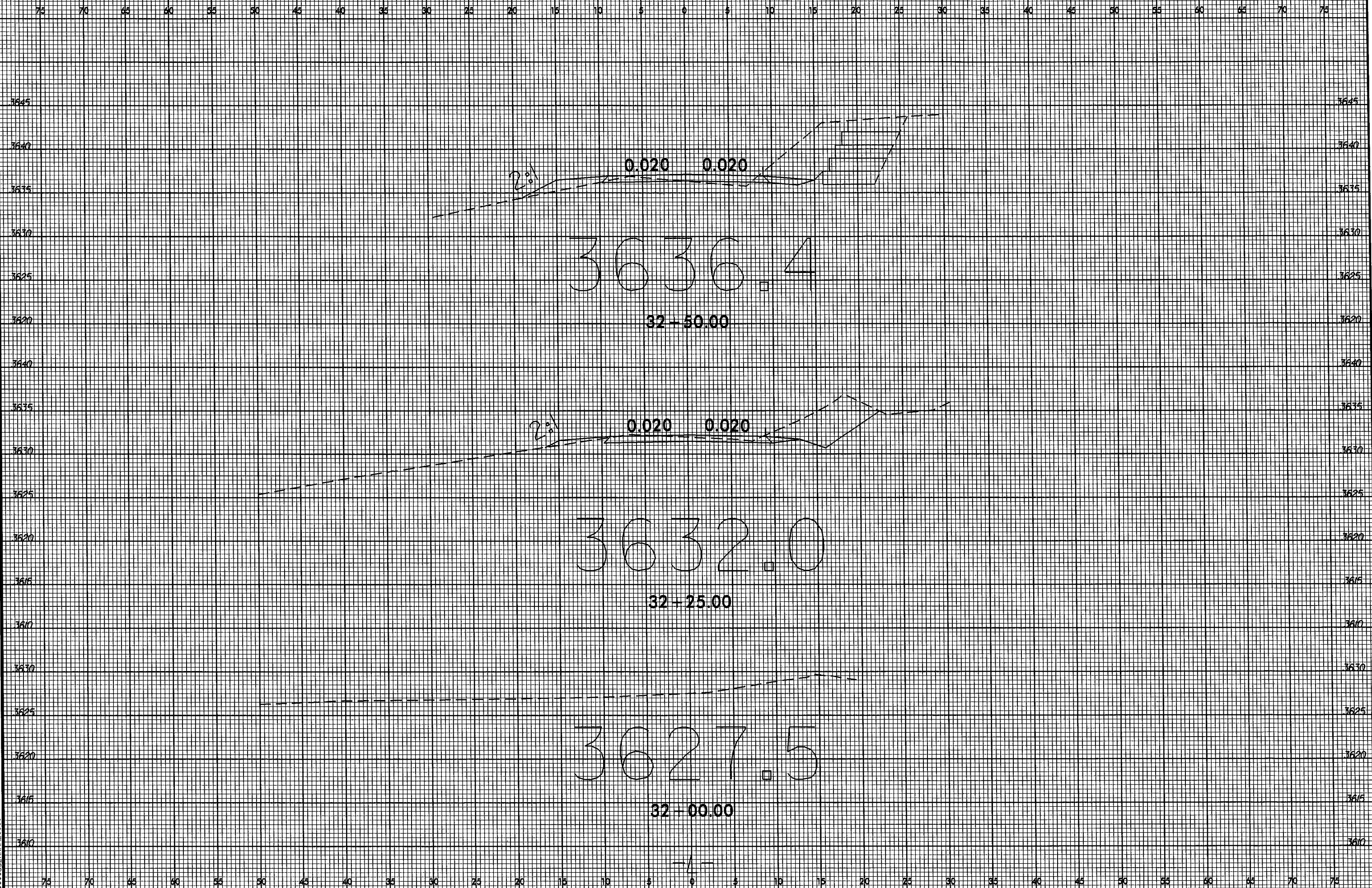
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 8/17/99
 REVISED 8/2/16 MOVED TURN A ROUND TO LT SIDE
 REVISIONS



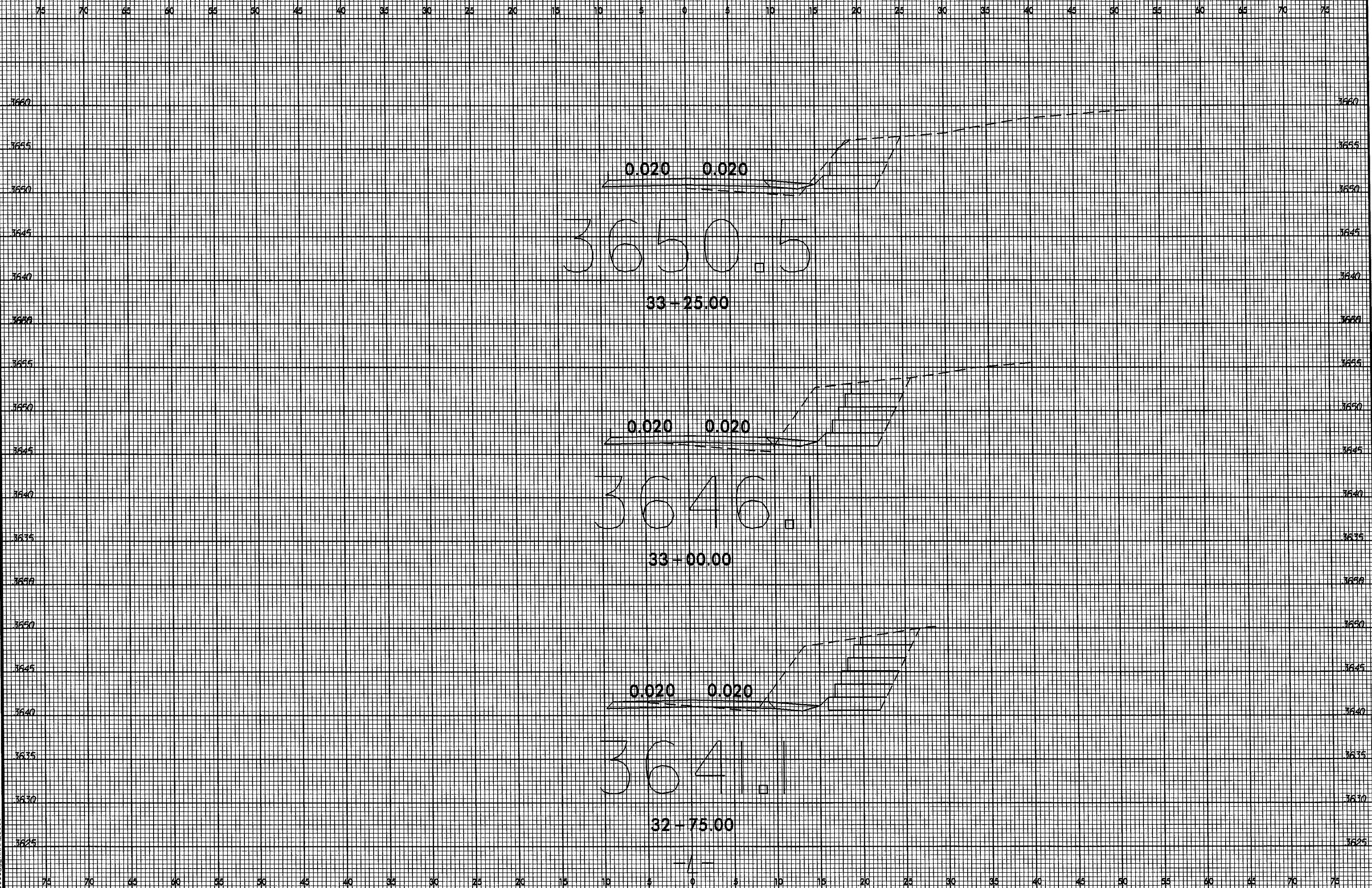
BILLY & REX BYERS
DB 548/PG 679

KIMBERLY CARTER
DB 1765/PG 101

BILLY & REX BYERS
DB 548/PG 679



6/23/16



05-APR-2017 15:25
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\$\$\$\$\$USERNAM\$\$\$\$\$

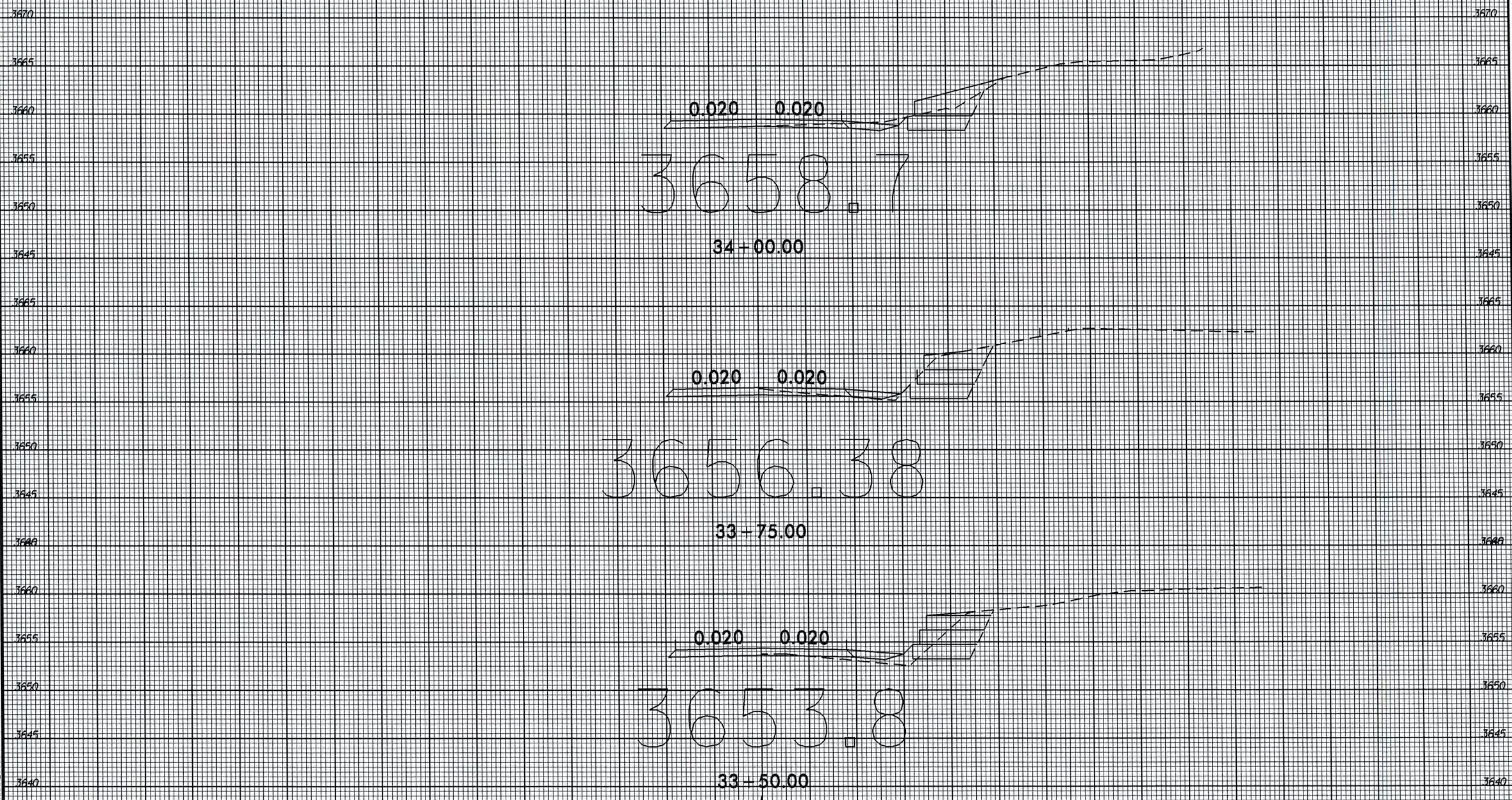
6/23/16



PROJ. REFERENCE NO.
11C.095113

SHEET NO.
X-3

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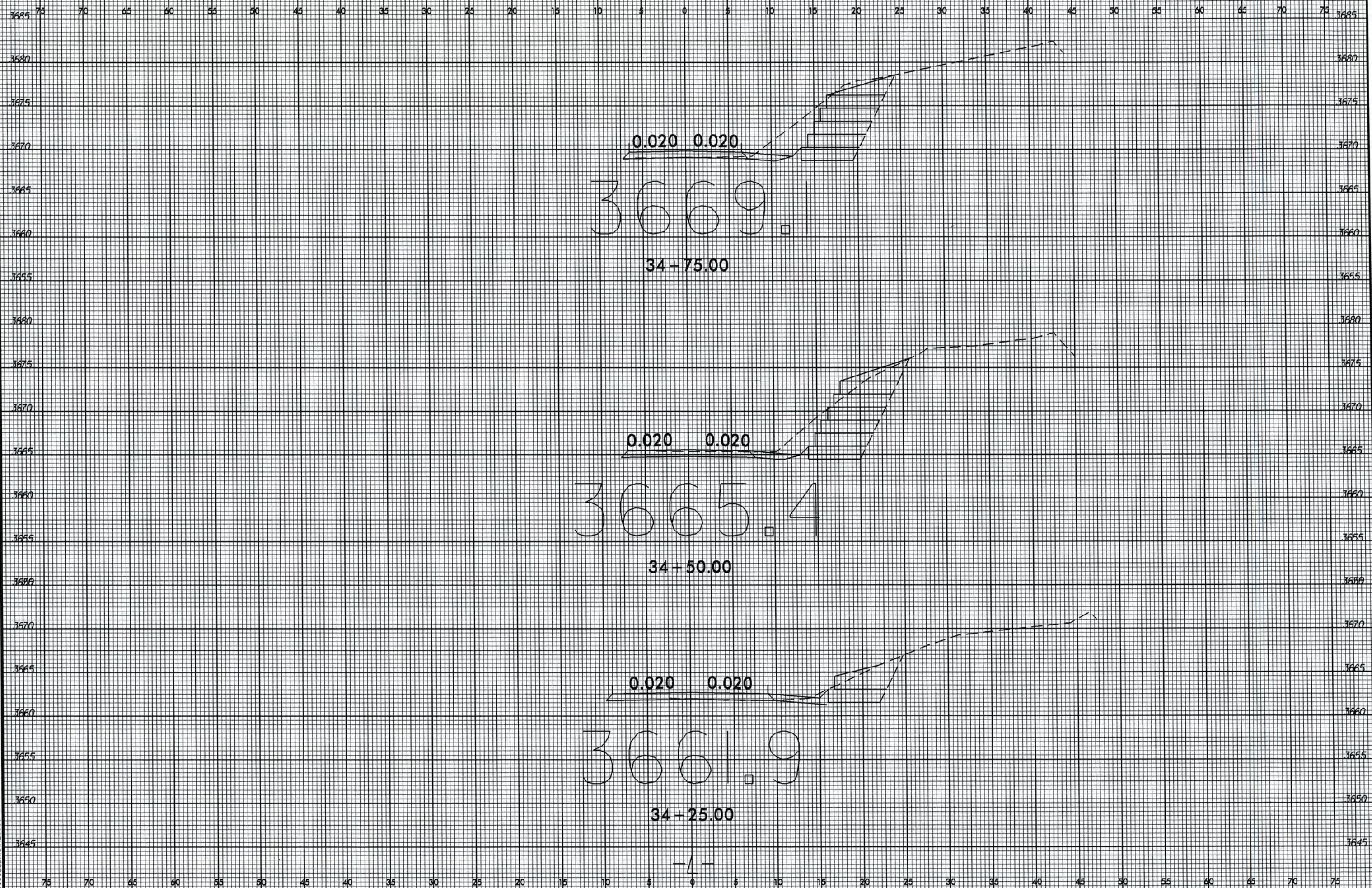
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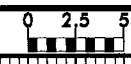
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