



HIGHWAY FACTORS ATTACHMENT

NHDOT Construction Plans for US Highway 2 dated April 30, 2009

Randolph, NH

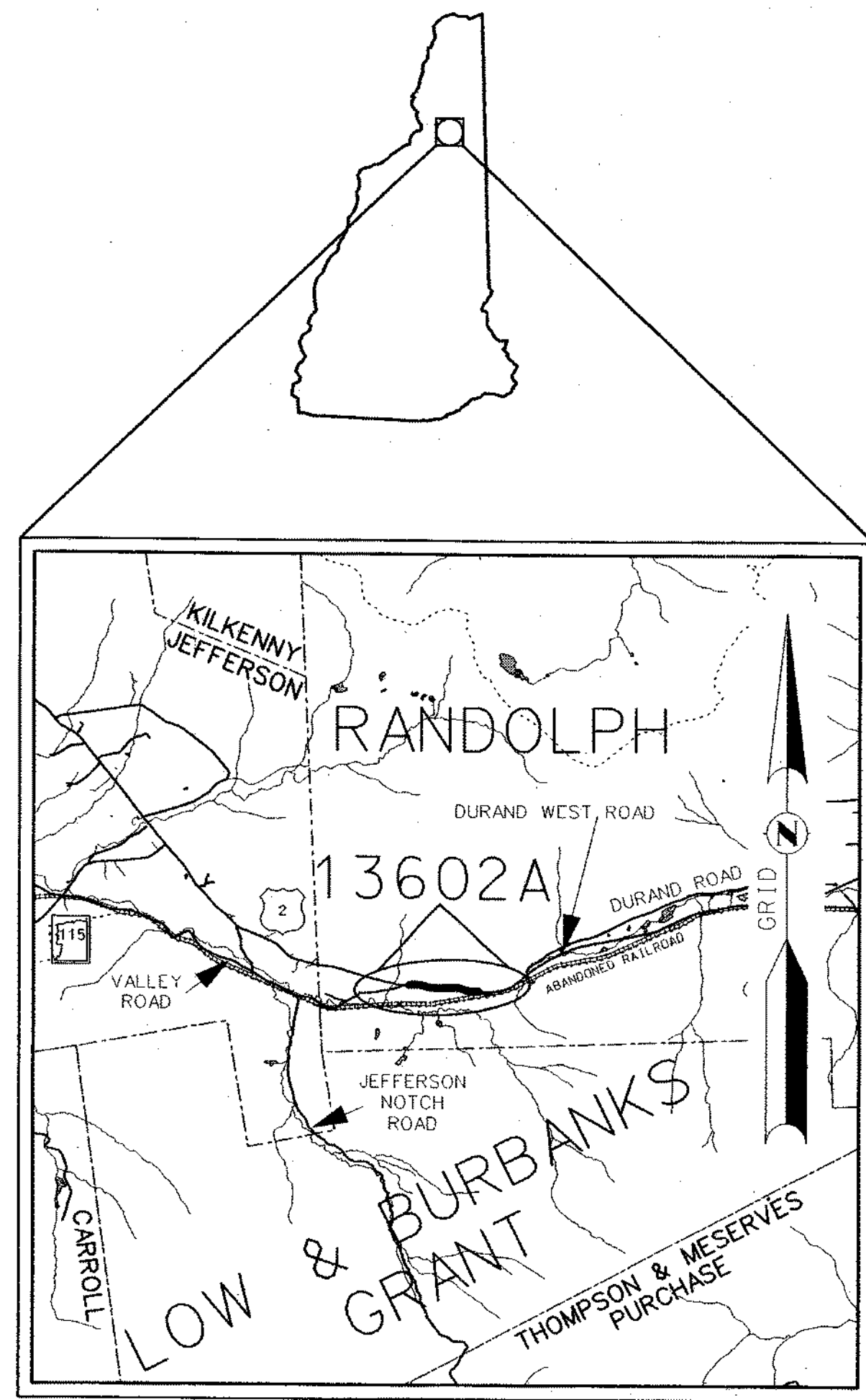
HWY19MH010

(65 pages)

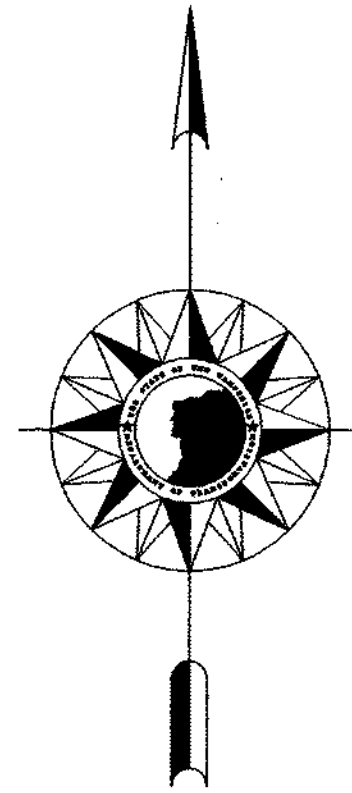
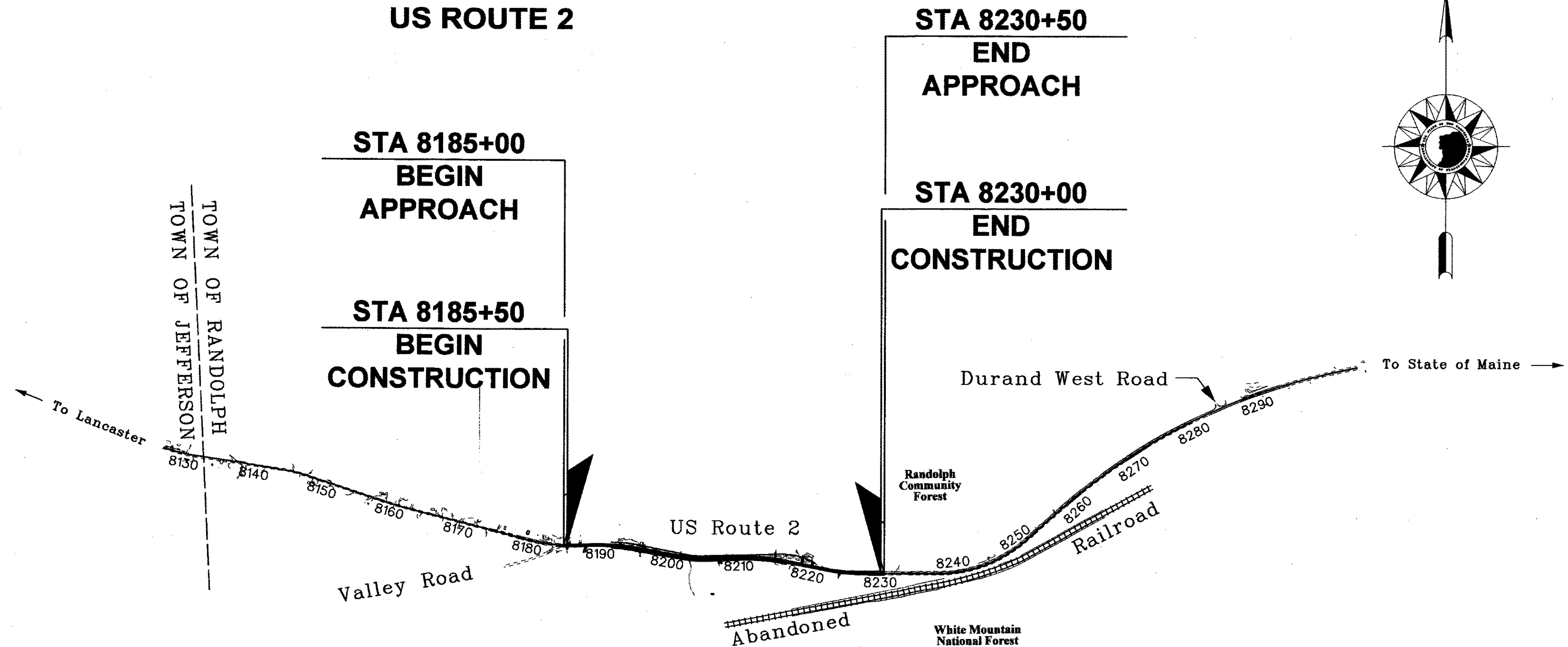
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS
FEDERAL AID PROJECT

X-A000(211)
N.H. PROJECT NO. 13602A
US ROUTE 2

DESIGN DATA	
AVERAGE DAILY TRAFFIC 20 05	4,720
AVERAGE DAILY TRAFFIC 20 25	6,360
PERCENT OF TRUCKS	20%
DESIGN SPEED	50 mph
LENGTH OF PROJECT	0.84 mi



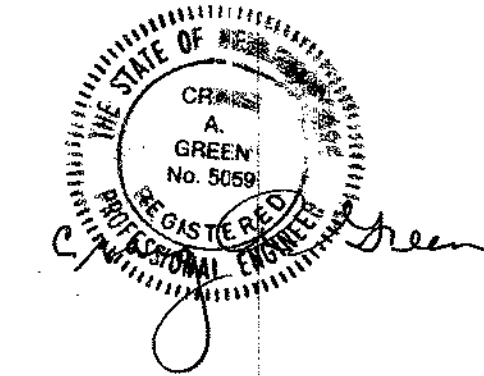
LOCATION MAP



TOWN OF RANDOLPH
COUNTY OF COOS
SCALE: 1" = 1000'

AS-BUILT PLANS
DATE 05-03-2011

NHDOT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION			
RECOMMENDED FOR APPROVAL:		4-30-09	DATE
DIRECTOR OF PROJECT DEVELOPMENT			
APPROVED:		4/30/09	DATE
ASSISTANT COMMISSIONER AND CHIEF ENGINEER			
U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION			
APPROVED:			
DIVISION ADMINISTRATOR			DATE
FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A000(211)	13602A	1	64



DRAWN BY: []
 CHECKED BY: []
 DATE: XX

GENERAL NOTES

- ① FOR STANDARD PLANS, SEE "STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION" DATED 2001 (A BOUND BOOK).
- ② HIGH TENSION OVERHEAD TRANSMISSION LINES ARE LOCATED THROUGHOUT THE PROJECT WITH CROSSINGS AT VARIOUS LOCATIONS AND RUNNING ALONG THE ROAD THROUGHOUT THE PROJECT EVEN ON REGULAR POLES. THE CONTRACTOR IS ADVISED THAT EXTREME CAUTION WILL BE REQUIRED IN THE OPERATION OF EQUIPMENT, ESPECIALLY CRANES AND PILE DRIVING EQUIPMENT.
- ③ REMOVE TOPSOIL FOR ITS TOTAL DEPTH WITHIN THE LIMITS OF THE SLOPE LINES. UNLESS OTHERWISE DIRECTED, STOCKPILE TOPSOIL AND USE IT ON THIS PROJECT AS NEEDED UNDER SECTION 641 - LOAM AND/OR SECTION 647 - HUMUS.
- ④ REMOVAL OF EXISTING CONCRETE PAVEMENT WILL BE PAID UNDER ITEM 203.2 - ROCK EXCAVATION. THE BITUMINOUS PAVEMENT ABOVE THE CONCRETE WILL NOT BE PAID UNDER ITEM 203.2.
- ⑤ MODIFY SUPERELEVATION ON EXISTING CURVES BY THE USE OF A LEVELING COURSE TO THE RATES INDICATED ON THE PLANS OR AS ORDERED.
- ⑥ EXISTING DELINEATORS AND WITNESS MARKERS THAT ARE REMOVED AND DETERMINED BY THE ENGINEER TO BE IN ACCEPTABLE CONDITION SHALL BE RESET (SUBSIDIARY). ADDITIONAL DELINEATORS AND WITNESS MARKERS ORDERED WILL BE PAID UNDER THE APPROPRIATE ITEMS OF THE CONTRACT.
- ⑦ NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- ⑧ PERFORM ALL WORK WITHIN THE EXISTING RIGHT-OF-WAY, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER.
- ⑨ REMOVE UNPROTECTED PROJECT MARKERS (SUBSIDIARY).
- ⑩ SURVEY DATA FOR THIS PROJECT WAS COLLECTED BY SDR AND THE FIELD NOTES CAN BE FOUND IN THE FIELD BOOK(S) 13034, 13058, & 13192. COORDINATES ARE NEW HAMPSHIRE STATE PLANE COORDINATES OF N.A.D. 1983 AND THE BEARINGS ARE GRID. ELEVATIONS ARE REFERENCED TO N.G.V.D. 1929.
- ⑪ QUANTITIES FOR EMBANKMENT AND EXCAVATION FOR SLOPE ROUNDINGS AS SHOWN ON THE TYPICALS HAVE NOT BEEN CALCULATED AND ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, AND ARE CONSIDERED SUBSIDIARY TO THE APPROPRIATE 203 ITEMS.

THE FOLLOWING GENERAL NOTES
WILL BE USED ON THIS PROJECT:

①	②	③	○	○	⑥	⑦	⑧	○	⑩	⑪	○
○	○	○	○	○	○	○	○	○	○	○	○

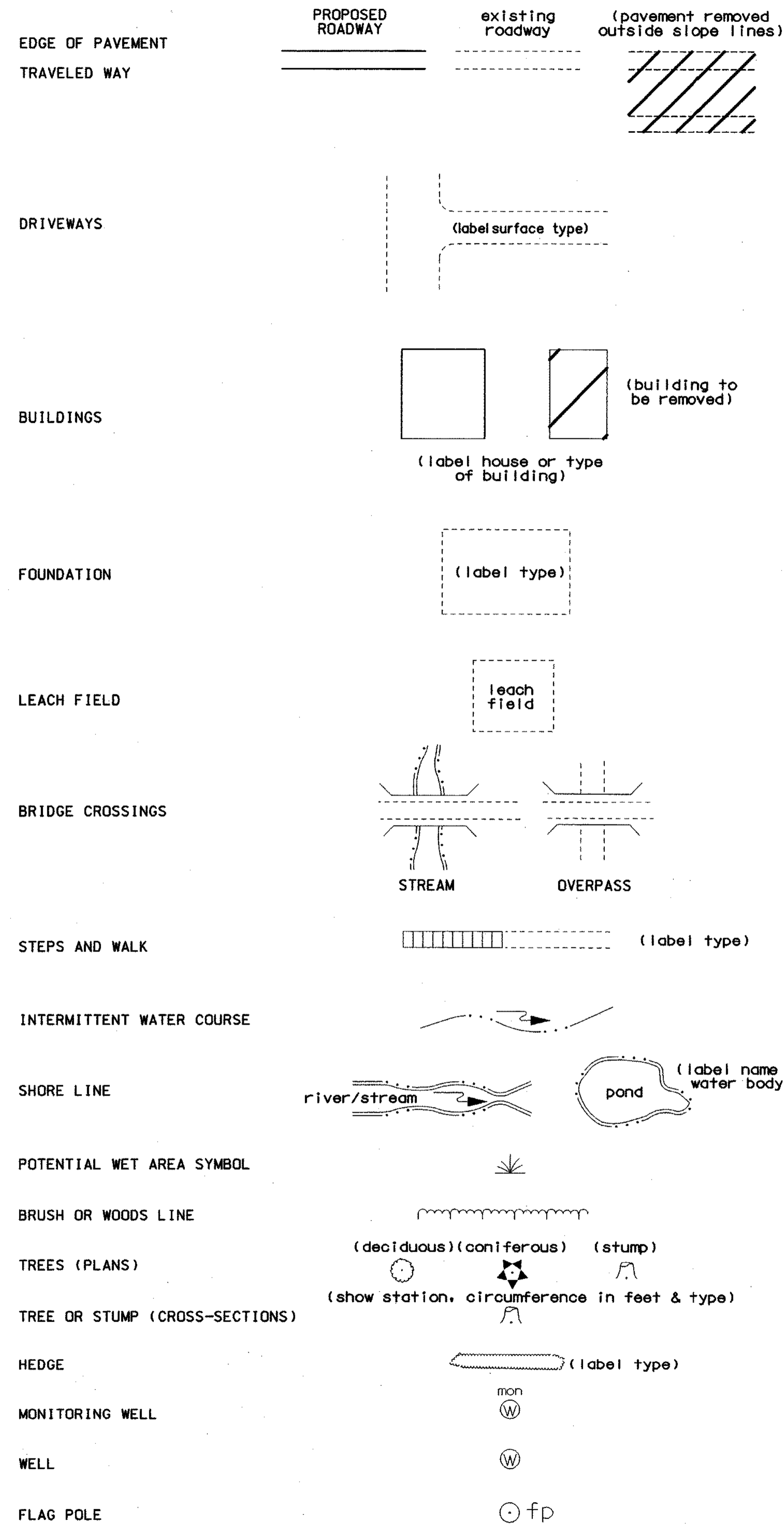
INDEX OF SHEETS

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5-6	TYPICAL SECTIONS OF IMPROVEMENT
7-10	SUMMARY OF QUANTITIES
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DESCRIPTION
REVISIONS AFTER PROPOSAL
STATION
STATION
DATE
NUMBER
DATE
DATE
DATE
DATE
AS BUILT DETAILS

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
INDEX OF SHEETS AND GENERAL NOTES				
REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
10/17/06	13602A INDEX	13602A	2	64

GENERAL



ORIGINAL GROUND (TYPICALS)

ROCK OUTCROP

ROCK LINE (TYPICALS & SECTIONS ONLY)

GUARDRAIL (LABEL TYPE)

JERSEY BARRIER

CURB (LABEL TYPE)

STONE WALL

RETAINING WALL (LABEL TYPE)

FENCE (LABEL TYPE)

SIGNS

GAS PUMP

FUEL TANK (ABOVE GROUND)

STORAGE TANK FILLER CAP

SEPTIC TANK

GRAVE

MAILBOX

VENT PIPE

SATELLITE DISH ANTENNA

PHONE

GROUND LIGHT/LAMP POST

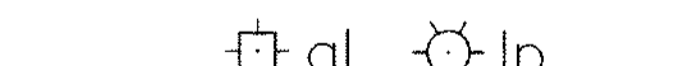
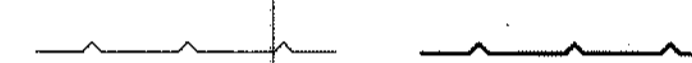
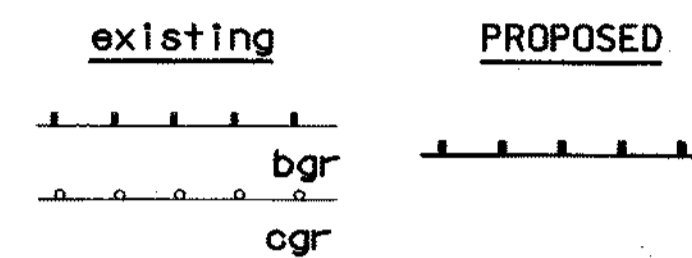
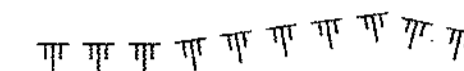
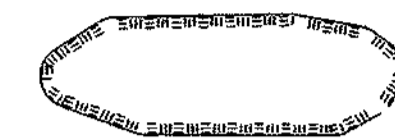
BORING LOCATION

TEST PIT

INTERSTATE NUMBERED HIGHWAY

UNITED STATES NUMBERED HIGHWAY

STATE NUMBERED HIGHWAY



existing

PROPOSED

bgr

ogr

bgr

ogr

bgr

ogr

bgr

ogr

bgr

ogr

bgr

ogr

(single post)

(double post)

gp

ft

fc

gr

mb

vp

da

ph

gl

lp

B

TP

293

3

102

102

102

102

102

102

102

WETLANDS

WETLAND DESIGNATION AND TYPE

DELINEATED WETLAND

PRIME WETLAND

ORDINARY HIGH WATER

TOP OF BANK

TOP OF BANK & ORDINARY HIGH WATER

MEAN HIGH TIDE

TIDAL BUFFER ZONE

HIGHEST OBSERVABLE TIDAL LINE

SPECIAL AQUATIC SITE

VERNAL POOL

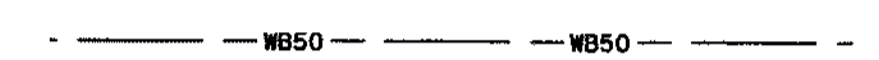
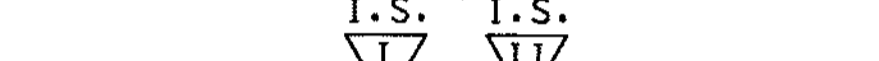
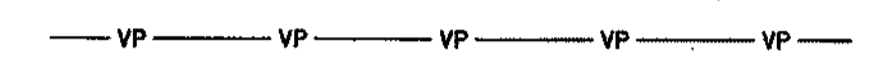
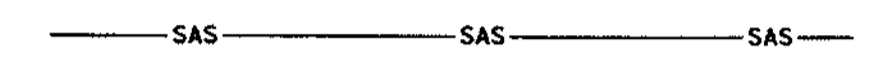
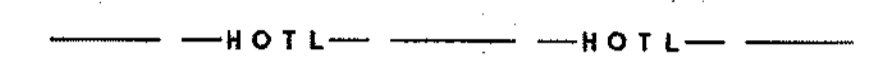
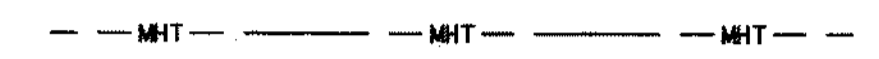
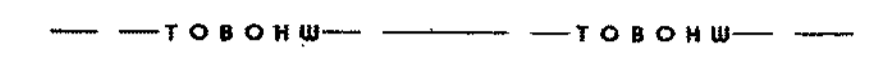
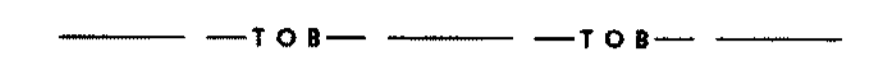
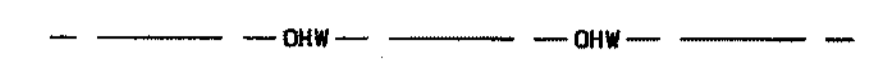
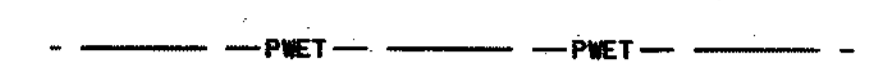
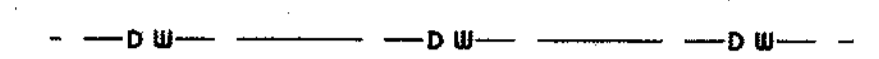
INVASIVE SPECIES LABEL

INVASIVE SPECIES

WATER FRONT BUFFER

NATURAL WOODLAND BUFFER

PROTECTED SHORE LAND

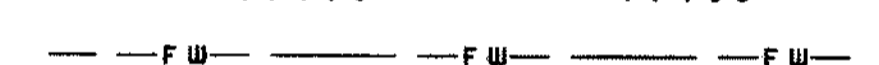


FLOODPLAIN / FLOODWAY

500 YEAR FLOODPLAIN BOUNDARY

100 YEAR FLOODPLAIN BOUNDARY

FLOODWAY



ENGINEERING

CONSTRUCTION BASELINE

PC, PT, POT (ON CONST BASELINE)

PI (IN CONSTRUCTION BASELINES)

INTERSECTION OR EQUATION OF TWO LINES

ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS)

PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS)

CLEARING LINE

SLOPE LINE

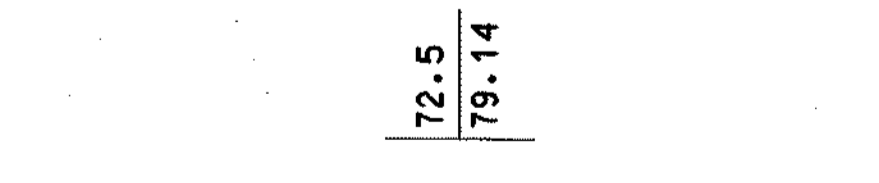
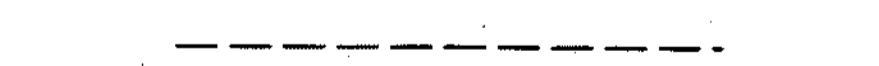
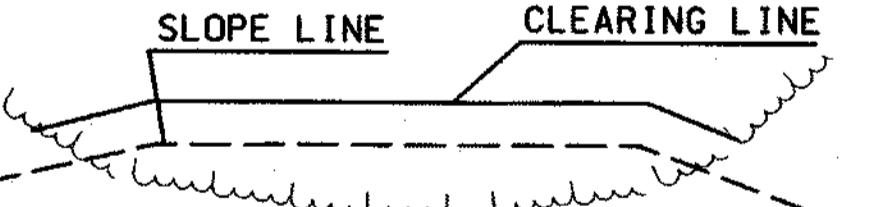
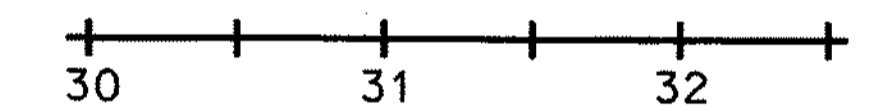
SLOPE LINE (FILL)

SLOPE LINE (CUT)

PROFILES AND CROSS SECTIONS:

ORIGINAL GROUND ELEVATION (LEFT)

FINISHED GRADE ELEVATION (RIGHT)



SHEET 1 OF 2

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
STANDARD SYMBOLS				

REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
3/9/09	Std Symbol Sheets	13602A	3	64

DRAINAGE

MANHOLE			(existing)	(PROPOSED)
CATCH BASIN			(existing)	(PROPOSED)
DROP INLET			(existing)	(PROPOSED)
DRAINAGE PIPE (existing)				
DRAINAGE PIPE (PROPOSED)				
UNDERDRAIN (existing) W/ FLUSHING BASIN				
UNDERDRAIN (PROPOSED) W/ FLUSHING BASIN				
HEADER (existing & PROPOSED)				
END SECTION (existing & PROPOSED)				
OPEN DITCH (PROPOSED)				
EROSION CONTROL/ STONE SLOPE PROTECTION				

BOUNDARIES / RIGHT-OF-WAY

RIGHT-OF-WAY LINE		(label type)
RR RIGHT-OF-WAY LINE		
PROPERTY LINE		
PROPERTY LINE (COMMON OWNER)		
TOWN LINE		
COUNTY LINE		
STATE LINE		
NATIONAL FOREST		
LCHIP CONSERVATION EASEMENT		
BENCH MARK / SURVEY DISK		
BOUND		(PROPOSED)
STATE LINE/ TOWN LINE MONUMENT		
NHDOT PROJECT MARKER		
IRON PIPE OR PIN		
DRILL HOLE IN ROCK		
TAX MAP AND LOT NUMBER		
PROPERTY PARCEL NUMBER		
HISTORIC PROPERTY		

UTILITIES

TELEPHONE POLE		
POWER POLE		
JOINT OCCUPANCY		
MISCELLANEOUS/UNKNOWN POLE		
GUY POLE OR PUSH BRACE		
LIGHT POLE		
LIGHT ON POWER POLE		
LIGHT ON JOINT POLE		
POLE STATUS: REMOVE, LEAVE, PROPOSED, OR TEMPORARY AS APPLICABLE e.g.:		
RAILROAD		
RAILROAD SIGN		
RAILROAD SIGNAL		
UTILITY JUNCTION BOX		
OVERHEAD ELECTRIC		
UNDERGROUND UTILITIES (on existing lines label size, type and note if abandoned)		
SEWER		
TELEPHONE		
ELECTRIC		
GAS		
LIGHTING		
INTELLIGENT TRANSPORTATION SYSTEM		
FIBER OPTIC		
WATER GATE		
WATER SHUT OFF		
GAS SHUT OFF		
HYDRANT		
MANHOLES		
SEWER		
TELEPHONE		
ELECTRICAL		
GAS		

TRAFFIC SIGNALS

MAST ARM (existing)		
OPTICOM RECEIVER		
OPTICOM STROBE		
TRAFFIC SIGNAL		
PEDESTAL WITH PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON UNIT		
SIGNAL CONDUIT		
CONTROLLER CABINET		
METER PEDESTAL		
PULL BOX		
LOOP DETECTOR (QUADRUPOLE)		
LOOP DETECTOR (RECTANGULAR)		

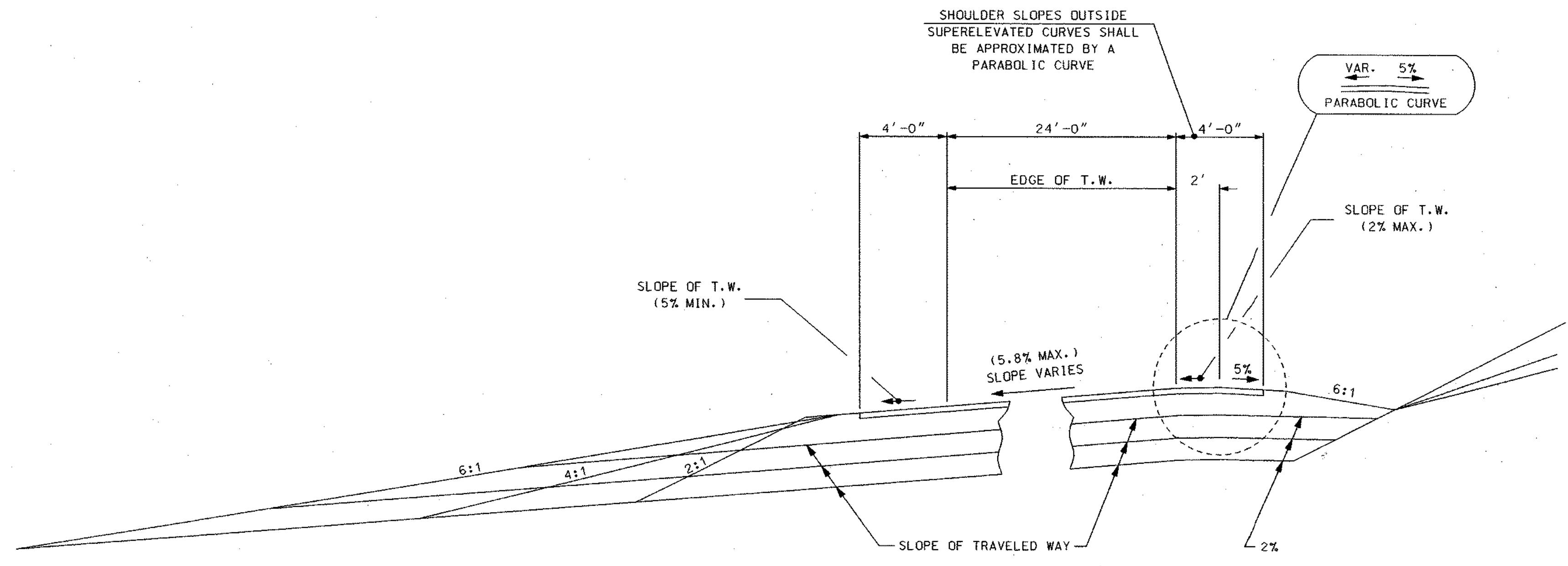
CONSTRUCTION NOTES

CURB MARK NUMBER - BITUMINOUS	B-1
CURB MARK NUMBER - GRANITE	G-1
CLEARING AND GRUBBING AREA	
DRAINAGE NOTE	
EROSION CONTROL NOTE	
FENCING NOTE	
GUARDRAIL NOTE	
LIGHTING NOTE	
TRAFFIC SIGNAL NOTE	

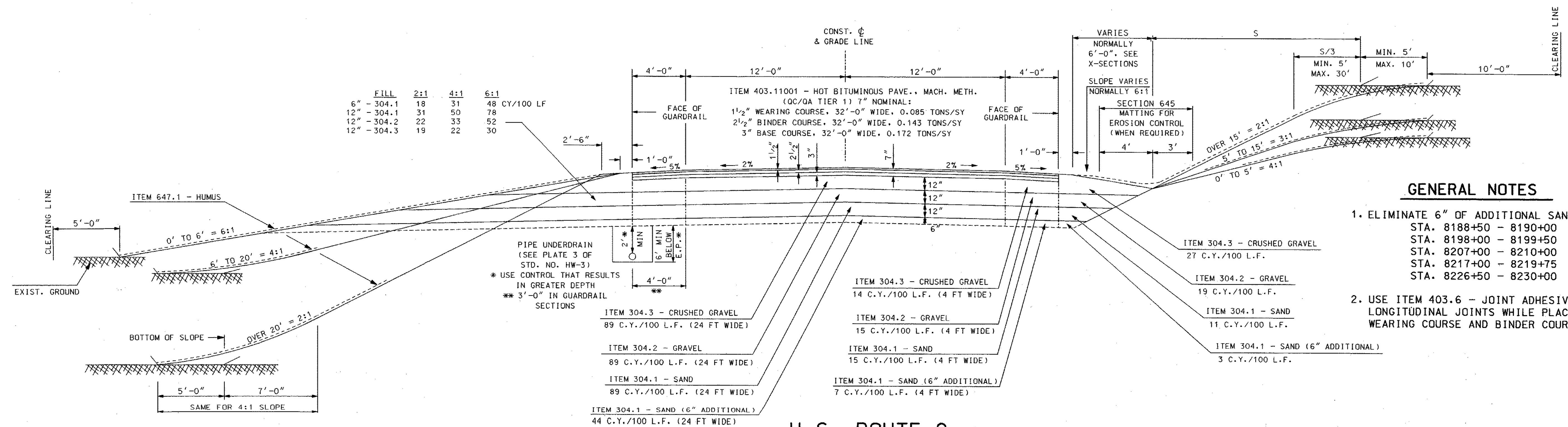
SHEET 2 OF 2

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
STANDARD SYMBOLS			
REVISION DATE	DGN	STATE PROJECT NO.	TOTAL SHEETS
3/9/09	Std Symbol Sheets	13602A	64

SDR PROCESSED	DATE	DATE	DATE
	NEW DESIGN	DATE	DATE
	SHEET CHECKED	DATE	DATE
	AS BUILT DETAILS	DATE	DATE
REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION	
	NUMBER		
	DATE		



SUPERELEVATED SECTION



FILL	2:1	4:1	6:1	
6" - 304.1	18	31	48	CY/100 LF
12" - 304.1	31	50	78	
12" - 304.2	22	33	52	
12" - 304.3	19	22	30	

GENERAL NOTES

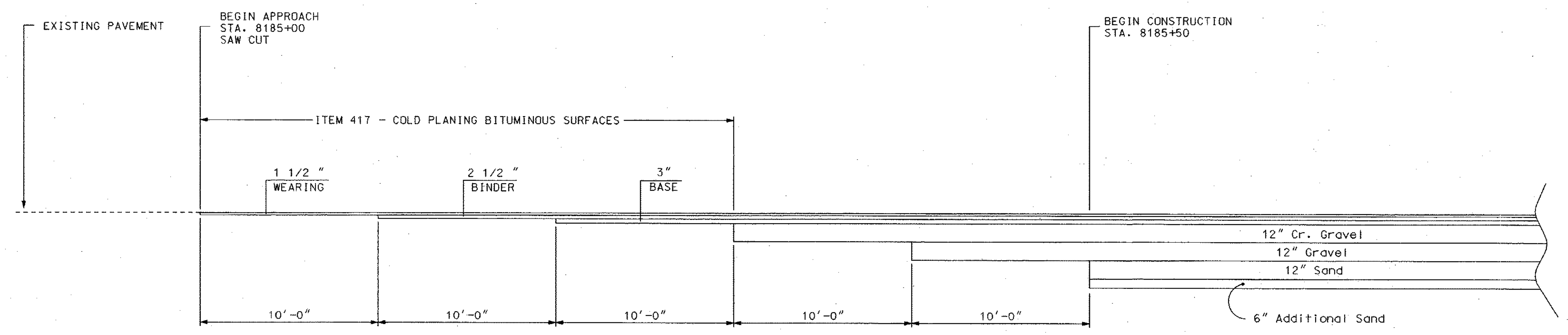
- ELIMINATE 6" OF ADDITIONAL SAND AT:
 STA. 8188+50 - 8190+00
 STA. 8198+00 - 8199+50
 STA. 8207+00 - 8210+00
 STA. 8217+00 - 8219+75
 STA. 8226+50 - 8230+00
- USE ITEM 403.6 - JOINT ADHESIVE FOR LONGITUDINAL JOINTS WHILE PLACING THE WEARING COURSE AND BINDER COURSES.

**U.S. ROUTE 2
FULL RECONSTRUCTION**

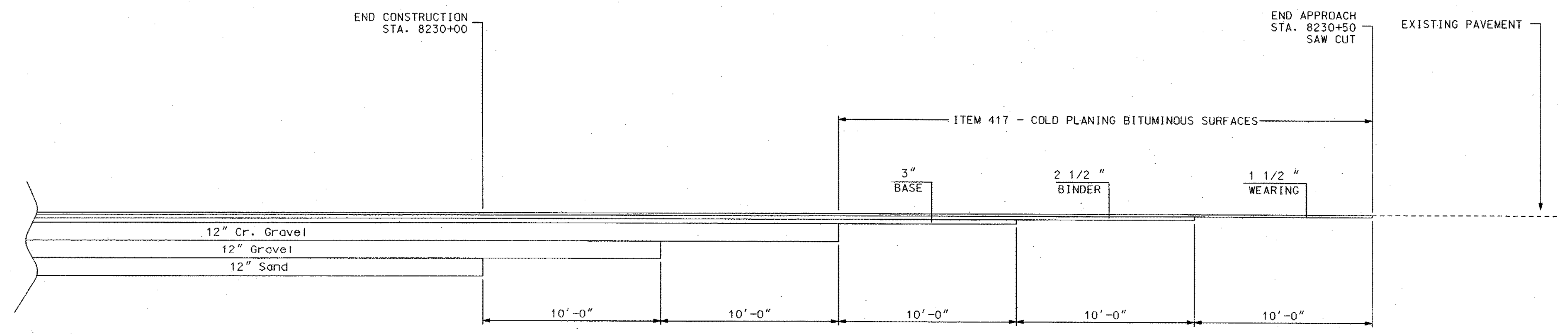
* STA. 8185+50 - 8230+00

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
U.S. ROUTE 2 TYPICAL SECTION			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602A Typ	13602A	5	64

SDR PROCESSED	DATE	DATE	DATE	DATE	DATE	DATE
	NEW DESIGN	CHECKED	AS BUILT DETAILS			
	NUMBER	STATION	STATION	STATION	STATION	DESCRIPTION



**U.S. ROUTE 2
PAVEMENT & BASE MATCH
(BEGINNING OF PROJECT)**



**U.S. ROUTE 2
PAVEMENT & BASE MATCH
(END OF PROJECT)**

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
TYPICAL SECTIONS PAVEMENT & BASE MATCH			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602A Typ	13602A	6	64

DRAINAGE

ITEM NO.	202.41	206.1	206.2	520.1	570.4	585.2	585.3	583.411	603.00212	603.00230	603.14442	603.34112	603.34115	603.34130	603.34136	603.34142	603.83124	603.83212	603.83224	603.83230	603.83242	604.22		645.43	
DESCRIPTION	REMOVAL OF EXISTING PIPE (0" TO 24")	COMMON STRUCT. EXCAV.	ROCK STRUCT. EXCAV.	CONCRETE CLASS A	MORTAR RUBBLE MASONRY	STONE FILL CLASS B	STONE FILL CLASS C	GEOTEXTILE, PERM. EROSION CONTROL, CLASS 1, NON-WOVEN	12" R. C. PIPE 2000D	30" R. C. PIPE 2000D	42" POLY. COATED CORR. STEEL PIPE, .0108" THICK	12" STEEL END SECTION	15" STEEL END SECTION	30" STEEL END SECTION	36" STEEL END SECTION	42" STEEL END SECTION	24" PLASTIC PIPE, CORR. INTERIOR	12" PLASTIC PIPE, SMOOTH INTERIOR	24" PLASTIC PIPE, SMOOTH INTERIOR	30" PLASTIC PIPE, SMOOTH INTERIOR	42" PLASTIC PIPE, SMOOTH INTERIOR	DROP INLET, TYPE B	REMARKS	TEMP. SLOPE STABILIZATION	
NOTE NO.	LF	CY	CY	CY	CY	CY	CY	SY	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA			
1	46.08	12.47		5.48	5.48			16.47	22.74	68.4	84.77				1										
2												2						23.7	20.0						
3	64.0	34.84	8.26	6.88	6.88	30.45	52.0	81.4	118.25		100.0					1									
4	49.8	33.13		5.96	6.06	30.67	37.6	75.0	68.4																
5	35.5	17.02	8.91					11.35	9.33	47.4	65.56				1										
6	174.3	718.70		3.32	3.32			6.42	18.47	58.9	59.62														
7	11.0	4.83		8.27	8.27			17.55	22.17	64.8	77.94														
8	48.8	26.97	0.22	11.08				25.84	27.78	94.8							174.0	174.2							
9																									
10	25.3	213.36	0.9	3.56	3.56			2.86	4.78	12.3	33.56														
11	12																								
R1																									
R2																									
R3																									
R4	39.0	16.58																							
R5	273.5	274	6.03																						
R6																									
R7																									
R8	30.0	454.60	13.85					80.46																	
Misc. Additional		45.46	45.46					263.6																	
SUBTOTAL	39.0	406.44	93.58	11.08	33.47	77.82	284.1	483.7	38.3	256.0	100.0	4	2	1	1	2	174.0	60.2	114.0	92.0	88.0	1			
ROUNDING	1			0.92	0.53	2.18	28.9	6.3	1.7	9.0	0.0	0	0	0	0	0	6.0	4.8	1.0	8.0	2.0	0			
TOTAL	40			12	34	80	313	490	40	266	100	4	2	1	1	2	180	65	115	100	90	1			
*ITEMS 206.1 AND 206.2 TRANSFERRED TO EARTHWORK SUMMARY																									
AS-BUILT TOTALS	69.0	273.57	37.15	14.85	0	93.6	109.18	508.08	37.8	244.8	100.0	2	2	1	1	2	174.2	20.0	114.2	86.2	82.8	1.45		312.22	

- 1 STA. 8188+80.9 RT 56 FT TO STA 8188+78.0 LT 36.1 FT
REMOVE 66.6 FT X 24" EXIST. RCP & END SECTION (SUBSID.)
CONST. 30" PLASTIC PIPE (SMOOTH INTERIOR)
CONST. 30" STEEL END SECTION @ +80.9 RT 56 FT
INVERT @ PIPE = 1492.0
CONST. STONE FILL CLASS C 30 FT X 25 FT W
ON NON-WOVEN GEOTEXTILE
CONST. PC-6 HEADWALL W/45° WINGS X 7.0 FT TALL @ +78.0 LT 35.1 FT
INVERT @ PIPE = 1493.50
- 2 STA. 8192+80.3 LT 28.3 FT TO 8193+04.3 LT 29.0 FT
CONST. 12" PLASTIC PIPE (SMOOTH INTERIOR)
CONST. 12" STEEL END SECTION @ +80.3 LT 28.3 FT
INVERT @ PIPE = 1516.34
CONST. 12" STEEL END SECTION @ +04.3 LT 29.0 FT
INVERT @ PIPE = 1516.96
- 3 STA. 8198+82.4 RT 57.0 FT TO 8198+85.2 LT 42.3 FT
REMOVE 56.0 FT X 24" EXIST. RCP (SUBSID.)
CONST. 100.0 FT X 42" POLYMER COATED CSP
CONST. 42" STEEL END SECTION @ +82.5 RT 57.0 FT
INVERT @ PIPE = 1497.50
CONST. STONE FILL CLASS B, 25.0 FT L X 25 FT W
ON NON-WOVEN GEOTEXTILE
CONST. PC-6 HEADWALL (MOD.), H = 7.0 FT TALL @ +85.2 LT 42.3 FT
INVERT @ PIPE = 1506.70
- 4 STA. 8208+94.2 RT 50.0 FT TO 8208+94.0 LT 37.8 FT
REMOVE 37.9 FT X 24" EXIST. RCP (SUBSID.)
CONST. 42" PLASTIC PIPE (SMOOTH INTERIOR)
CONST. 42" STEEL END SECTION @ +94.2 RT 50.0 FT
INVERT @ PIPE = 1500.50
CONST. STONE FILL CLASS B 50 FT LT, 4 FT WIDE BOTTOM W/ 3:1 SIDE SLOPES
L = 30 FT, W = 25 FT.
ON NON-WOVEN GEOTEXTILE
CONST. PC-6 HEADWALL (MOD.), H = 7.0 FT. WITH BEVELED INLET
@ +94.0 LT 37.8 FT
INVERT = 1502.0
- 5 STA. 8214+52.1 RT 57.6 FT TO 8214+55.7 LT 23.3 FT
CONST. 36" RCP
CONST. 36" STEEL END SECTION @ +52.1 RT
INVERT @ PIPE = 1512.0
CONST. STONE FILL CLASS C OUTLET DITCH, RT.
20 FT LONG WITH 3 FT BOTTOM & 2:1 SIDE SLOPES
ON NON-WOVEN GEOTEXTILE
CONST. D/B @ +55.7 LT 23.3 FT
INVERT OUT = 1513.30
INVERT IN = 1513.30
GRATE EL = 1520.0
- 6 STA. 8214+55.7 LT 23.3 FT TO 8214+57.6 LT 51.4 FT
CONST. 36" RCP
CONST. PC-4 HEADWALL @ +57.6 LT 51.4 FT
INVERT @ PIPE = 1520.0
CONST. STONE FILL CLASS C @ INLET DITCH
23 FT LONG WITH 3 FT BOTTOM & 2:1 SIDE SLOPES
ON NON-WOVEN GEOTEXTILE
- 7 STA. 8218+21.6 RT 53.3 FT TO 8218+31.6 LT 31.3 FT
CONST. TWIN 36" FT X 24" PLASTIC PIPES (CORRUGATED INTERIOR)
CONST. PC-10 (MOD.) V=2 FT @ +21.6 RT 53.3 FT
INVERT @ PIPE = 1497.00
CONST. STONE FILL APRON CLASS C, 28 FT LONG X 24.0 FT WIDE X 1 FT DEEP
ON NON-WOVEN GEOTEXTILE
CONST. PC-10 (MOD.) V=2 FT, H = 6 @ +31.6 LT 31.3 FT
INVERT = 1511.00
- 8 STA. 8222+43.0 RT 37.0 FT TO 8222+51.5 LT 36.7 FT
REMOVE 65.8 FT X 30" RCP (SUBSID.)
CONST. TWIN 36" FT X 30" RC PIPES
CONST. PC-9 HEADWALL @ +43. RT 37.0'
INVERT @ PIPE = 1505.25
CONST. CLASS C STONE FILL OUTLET DITCH, 52 FT LONG
WITH 4 FT BOTTOM, 3:1 SIDE SLOPES
ON NON-WOVEN GEOTEXTILE
CONST. PC-9 HEADWALL @ +51.5, LT 36.7 FT
INVERT = 1506.00
- 9 STA. 8224+02.6 RT 49.3 FT TO 8224+38.7 RT 51.1 FT
REMOVE 32.3 FT X 12" CMP (SUBSID.)
CONST. 36" FT X 12" PLASTIC PIPE (SMOOTH INTERIOR)
CONST. 36" STEEL END SECTION @ +02.6 RT 49.3 FT
INVERT @ PIPE = 1506.23
CONST. 12" STEEL END SECTION @ +38.7 RT 51.1 FT
INVERT @ PIPE = 1506.1
- 10 STA. 8229+22.2 RT 56.0 FT TO 8229+24.3 LT 57.7 FT
REMOVE 113.7 FT X 24" CMP (SUBSID.)
CONST. 42" FT X 24" PLASTIC PIPE (SMOOTH INTERIOR)
CONST. PC-2 HEADWALL @ +22.2 RT 56.0 FT
INVERT @ PIPE = 1494.75
CONST. CLASS C STONE FILL APRON, 10 FT LONG, 8 FT WIDE RT
ON NON-WOVEN GEOTEXTILE
CONST. PC-2 HEADWALL @ +24.3 LT 57.7 FT
INVERT IN = 1496.0
- 11 NOT CONSTRUCTED
STA. 8206+82.0 RT 26.0 FT TO STA. 8207+20.0 RT 31.0 FT
CONST. 36" FT X 12" RCP
CONST. 15" STEEL END SECTION @ +82.0 RT 26.0 FT
INVERT @ PIPE = 1504.70
CONST. 15" STEEL END SECTION @ +20.0 RT 31.0 FT
INVERT @ PIPE = 1504.30
- 12 STA. 8192+40 LT 25'-38"
CONST. STONE LINED DITCH (CLASS C)
FROM 4" SLOPE DRAIN TO DITCH
- 13 STA. 8206+75 RT
CONST. STONE FILL @ END OF
ROADSIDE DITCH, NO FABRIC
- R1 STA. 8188+78.0 LT 34.0 FT
REMOVE 24" HEADWALL
- R2 STA. 8198+82.1 RT 12.8 FT & 8198+85.2 LT 42.3 FT
REMOVE (2) 24" HEADWALLS
- R3 STA. 8208+94.1 RT 19.3 FT & 8208+94.5 LT 17.5 FT
REMOVE (2) 24" HEADWALLS
- R4 STA. 8214+60.4 LT 12.7 FT TO 8214+57.0 LT 52.8 FT
REMOVE (2) 15" DRY STONE HEADWALLS (SUBSID.)
REMOVE 39 FT X 15" CMP
- R5 STA. 8218+31.6 LT 31.3 FT TO 8218+22.1 LT 102.1 FT
REMOVE (2) 24" DRY STONE HEADWALLS (SUBSID.)
REMOVE 68.5 FT X 24" CMP (SUBSID.)
CONST. DRAINAGE DITCH TO HEADWALL @ +31.6 LT 31.3 FT
- R6 STA. 8222+43.9 RT 26.8 FT & 8222+51.5 LT 36.7 FT
REMOVE (2) 24" HEADWALLS
- R7 STA. 8229+22.2 RT 56.0 FT TO 8229+24.3 LT 57.7 FT
REMOVE (2) 24" HEADWALLS
- R8 STA. 8203+00 RT
REMOVE 30x12" CMP

STATE OF NEW HAMPSHIRE
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**DRAINAGE
SUMMARY & NOTES**

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602Asum	13602A	7	64

SDR PROCESSED XX
 NEW DESIGN XX
 SHEET CHECKED XX
 AS BUILT DETAILS

DATE XX
 DATE XX
 DATE XX
 DATE XX
 NUMBER
 DATE
 STATION
 STATION
 REVISIONS AFTER PROPOSAL

UNDERDRAIN						
ITEM NO.	206.1	206.2	570.4/ 520.1	585.3	605.506	605.79
DESCRIPTION	COMMON STRUCTURE EXCAVATION	ROCK STRUCTURE EXCAVATION	MORTAR RUBBLE MASONRY/ CONCRETE CLASS A	STONE FILL TYPE C	6" PERF. CORR. POLY. PIPE UNDERDRAIN	UNDERDRAIN FLUSHING BASINS
	CY	CY	CY	CY	LF	EA
NOTE NO.						
U1					185.3	1
U2	1		0.25	2.68	315.9	1
U3		44.73	0.25		347.0	1
U4 / U4A				24.89	251.1	1
U5		5.23			330.0	1
U6		2.37	0.25		296.2	1
U7		7.46	0.25	1.69	278.7	1
U8		13.95			325.0	1
U9					214.7	1
U10		7.58			340.7	1
U11		1.54			291.0	1
U12		6.89			277.4	1
U13	1	2.39	0.25	4.41	224.9	1
U14				27.92	181.2	1
U15		47.02		3.33	196.5	1
U16		50.37	0.25	25.0	308.0	1
U17 U17A		6.31		12.44	240.0	1
SUB-TOTAL	2	97	1.25	7	4333.6	16
ROUNDING			0	0	16.4	0
TOTAL	*	*	1	7	4350	16

*ITEMS 206.1 AND 206.2 TOTALS TRANSFERRED TO EARTHWORK SUMMARY

AS-BUILT TOTALS	0	99.9	1.50 / .22	146.38	4554.3	16	824.89
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593.411
GEOTEXTILE NON-WOVEN

- U1 STA. 8185+10 - 8186+92 LT
CONST. 185 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONNECT UNDERDRAIN OUTLET IN TO CB (SUBSID.)
CONST. FLUSHING BASIN @ 8186+92
- U2 STA. 8188+50 - 8192+55 LT
CONST. 346 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. CLASS C STONE FILL @ 8189+50
CONST. UL-4 HEADWALL @ 8189+50 ANGLE 135°, INV. = 1500.7±
UNDERDRAIN OUTLET THROUGH HEADWALL @ +80
- U3 STA. 8190+00 - 8193+15 RT
CONST. 347 FT x 6 FT PERF. CORR. POLY. UNDERDRAIN
CONST. UL-4 HEADWALL @ 8190+00 ANGLE 135°, INV. = 1501.5±
CONST. FLUSHING BASIN @ 8193+15
- U4 STA. 8193+09 - 8195+60 RT
CONST. 264 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8195+60
- U5 STA. 8192+50 - 8195+80 LT
CONST. 330 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8195+80
- U6 STA. 8198+75 - 8195+90 LT
CONST. 296.2 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. UL-4 HEADWALL @ 8198+75 ANGLE 135°, INV. = 1512.4±
CONST. FLUSHING BASIN @ 8195+90
- U7 STA. 8196+40 - 8196+20 RT
CONST. 270 FT x 6" PERF. CORR. POLY. UNDERDRAIN
OUTLET UNDERDRAIN ONTO STONE FILL @ +80
CONST. FLUSHING BASIN @ 8196+20
CONST. UL-4 HEADWALL @ +40 W/ STONE OUTLET
- U8 STA. 8203+75 - 8200+45 LT
CONST. 325 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8200+45
- U9 STA. 8205+85 - 8205+70 LT
CONST. 15 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8203+70
- U10 STA. 8208+91 RT - 8205+80 LT
CONST. 344 FT x 6" PERF. CORR. POLY. UNDERDRAIN
OUTLET UNDERDRAIN ONTO STONE FILL @ +91
CONST. FLUSHING BASIN @ 8205+80
- U11 STA. 8208+98 - 8211+80 LT
CONST. 297.8 FT x 6" PERF. CORR. POLY. UNDERDRAIN
UNDERDRAIN OUTLET THRU HEADWALL @ +98
CONST. UL-4 HEADWALL @ +98 INSTEAD OF THRU HW
INVERT 1505.5± (SUBSID.)
CONST. FLUSHING BASIN @ 8211+80
- U12 STA. 8211+75 - 8214+50 LT
CONST. 277 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8214+50
- U13 STA. 8217+00 - 8214+80 RT
CONST. 225 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. CLASS C STONE FILL @ 8217+00
CONST. UL-4 HEADWALL @ 8217+00 ANGLE 135°, INV. = 1502.3±
CONST. FLUSHING BASIN @ 8214+80
- U14 STA. 8216+87 RT - 8215+20 LT
CONST. 184 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8215+20
- U15 STA. 8224+55 - 8222+55 LT
CONST. 187 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. FLUSHING BASIN @ 8222+55
- U16 STA. 8227+50 - 8224+50 LT
CONST. 308.3 FT x 6" PERF. CORR. POLY. UNDERDRAIN
CONST. UL-4 HEADWALL @ 8227+50 ANGLE 135°, INV. = 1501.4±
CONST. FLUSHING BASIN @ 8224+50
- U17 STA. 8209+50 - 8211+87 RT.
CONST. 240 LF x 6" P.C.P. UNDERDRAIN
- U17A 8210+92 RT 2'-20'
CONST. 18 LF x 6" P.C.P. UNDERDRAIN
CONNECT TO U17 W/WYE

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UNDERDRAIN SUMMARY & NOTES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602Asum	13602A	8	64

SDR PROCESSED XX DATE XX SHEET CHECKED XX AS BUILT DETAILS
 NEW DESIGN XX DATE XX
 REVISIONS AFTER PROPOSAL STATION NUMBER DATE STATION DATE

CLEARING & GRUBBING		
ITEM NO.	201.1	
DESCRIPTION	AREA (sq. ft.)	CLEARING & GRUBBING (Ac)
A	401	0.01
B	11606	0.27
C	2021	0.05
D	1170	0.03
E	770	0.02
F	13484	0.31
G	839	0.02
H	264	0.01
I	7030	0.16
J	10677	0.25
K	41815	0.96
L	583	0.01
M	856	0.02
N	363	0.01
O	116	0.00
P	104	0.00
Q	1950	0.04
R	1996	0.05
S	67	0.00
T	6504	0.15
SUBTOTAL		2.36
rounding		0.14
TOTAL		2.50

BOUNDS	
ITEM NO.	622.2
DESCRIPTION	CONCRETE BOUNDS
8192+00, 33' Rt	1
8194+62, 33' Rt	1
8201+63, 33' Rt	1
8203+27, 33' Lt	1
8204+87, 33' Lt	1
8210+90, 33' Lt	1
8210+90, 33' Rt	1
8216+00, 33' Rt	1
8216+28.27, 101.00' Lt	1
8216+31.58, 92.98' Lt	1
TOTAL	10

REVISED BOUND LOCATION	
DATE	DESCRIPTION
8191+99.97, RT 32.97'	1
8194+61.95, RT 33.04'	1
8201+63.42, RT 33.12'	1
8203+26.29, LT 32.99'	1
8204+86.81, LT 32.94'	1
8210+89.70, LT 32.89'	1
8210+89.76, RT 33.02'	1
8215+99.59, RT 33.21'	1
8216+28.37, LT 100.98'	1
8216+31.60, LT 92.97'	1
TOTAL	10

GUARDRAIL				
ITEM NO.	203.5554	606.1454	606.120	
ITEM	GUARDRAIL 50' EAGRT PLATFORM	BEAM GUARDRAIL (TERMINAL UNIT EAGRT 50')	BEAM GUARDRAIL STANDARD SECTION-STEEL POSTS	REMARKS
UNIT	U	EA	LF	
LOCATION				
8196+66 - 8200+53 Rt	2	2	387.5	
8217+13 - 8219+76 Rt	2	2	262.5	
SUBTOTAL		4	4	650
ROUNDING		0	0	25
TOTAL		4	4	675

SURFACING MATERIALS									
ITEM NO.	304.1	304.2	304.3	304.35	403.11001	403.12	403.6	417	608.36
DESCRIPTION	SAND	GRAVEL	CRUSHED GRAVEL	CRUSHED GRAVEL FOR DRIVES	HOT BITUMINOUS PAVEMENT MACH. METHOD (QC/QA TIER 1)	HOT BITUMINOUS PAVEMENT, HAND METHOD	PAVEMENT JOINT ADHESIVE	COLD PLANING BITUMINOUS SURFACES	6" REINFORCED CONCRETE SIDEWALK
	CY	CY	CY	CY	T	T	LF	SY	SY
LOCATION									
US ROUTE 2	11090.2	8343.2	8151.8		6765.6		9100.0	294.6	
DRIVES				212.39		67.9			235.0
8220+38 Lt				55.0*					
SUB-TOTAL	11090.2	8343.2	8151.8	267.39	6765.6	67.9	9100.0	294.6	235.0
ROUNDING	109.8	106.8	98.2	12.61	34.4	2.1	400.0	5.4	15.0
TOTAL	11200	8450	8250	280	6800	70	9500	300	250

* MATCH EXISTING "CRUSHED BLUE STONE" AT DRIVE, PAID FOR UNDER ITEM 304.35.

LANDSCAPING AND SLOPE PROTECTION							
DESCRIPTION	645.42	645.43	645.45	645.531	646.3	647.1	
DESCRIPTION	TEMPORARY SLOPE STABILIZATION, TYPE B (FOR 3:1 SLOPES, WILD LIFE FRIENDLY)	TEMPORARY SLOPE STABILIZATION, TYPE C (FOR SLOPES STEEPER THAN 3:1)	PERMANENT CHANNEL STABILIZATION, TYPE A	SILT FENCE	TURF ESTABLISHMENT WITH MULCH & TACKIFIERS	HUMUS	REMARKS
UNIT	SY	SY	SY	LF	Ac	CY	
US ROUTE 2	3131.4	3254.6	719.4	2129	5.58	2389.8	
SUBTOTAL	3131.4	3255.0	719.4	2129.0	5.58	2389.8	
ROUNDING	368.6	245.0	30.6	71.0	0.12	110.2	
TOTAL	3500	3500	750	2200	5.7	2500	

EARTHWORK	
DESCRIPTION	CY
COMMON EXCAVATION IN SECTIONS (Excluding Boulders & Concrete Pavement)	
TOPSOIL REMOVED BENEATH FILL SECTIONS	25500
	550
COMMON EXCAVATION FOR ESTIMATE	
ITEM 203.1	27500
ROCK EXCAVATION FOR ESTIMATE	
ITEM 203.2	2300
COMMON STRUCTURE EXCAVATION FOR ESTIMATE	
ITEM 206.1	410
ITEM 206.2	195
SECTIONS FILL	
TOPSOIL REPLACEMENT	12380
DRIVE AND APPROACH FILL	545
FILL OVER ROCK CUT SLOPES	86
	0
EMBANKMENT - IN - PLACE FOR ESTIMATE	13000

PAVEMENT MARKINGS	
ITEM NO.	632.0104
DESCRIPTION	RETROREFLECTIVE PAINT PAVEMENT MARKING, 4" LINE
UNIT	LF
LOCATION	
US ROUTE 2	18263.0
TEMP. MARKINGS	18263.0
SUB-TOTAL	36526.0
ROUNDING	74.0
TOTAL	36600

LOAM		
APPROXIMATE STATION	ITEM 641. AREA (SF)	VOL (CY)
8185+00 - 8185+75 LT	448	5.5
8185+90 - 8187+25 LT	1,832	22.6
8185+00 - 8185+45 RT	625	7.7
8185+60 - 8187+00 RT	2,012	24.8
8218+33 - 8218+65 LT	2,201	27.2
8218+88 - 8220+16 LT	7,966	98.3
8220+34 - 8222+00 LT	4,496	55.5
SUBTOTAL		241.7
ROUNDING		8.3
TOTAL		250

STATE OF NEW HAMPSHIRE			
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SUMMARY OF QUANTITIES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602Asum	13602A	9	64

INCIDENTAL ITEMS

ITEM NO.	DESCRIPTION	UNIT	TOTAL
201.21	REMOVING SMALL TREES	EA	10
202.201	DEMOLISHING BUILDINGS	UNIT	1
202.301	BUILDING ASBESTOS ABATEMENT	UNIT	1
214	FINE GRADING	U	1
618.61	UNIFORMED OFFICERS W/ VEHICLE	\$	1
618.7	FLAGGERS	HR	6000
619.1	MAINTENANCE OF TRAFFIC	U	1
619.253	PORTABLE CHANGEABLE MESSAGE SIGN	UWK	20
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATORS	EA	12
621.31	SINGLE DELINEATOR WITH POST	EA	70
622.1	STEEL WITNESS MARKERS	EA	40
628.1	SAWED CONCRETE PAVEMENT	LF	25
628.2	SAWED BITUMINOUS PAVEMENT	LF	160
645.3	EROSION STONE	TON	500
645.7	STORMWATER POLLUTION PREVENTION PLAN	U	1
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROL	HR	192
670.066	MAIL SUPPORT ASSEMBLIES	EA	3
692	MOBILIZATION	U	1
698.13	FIELD OFFICE TYPE C	MON	17
698.2	PHYSICAL TESTING LABORATORY	MON	12
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1
1010.15	FUEL ADJUSTMENT	\$	1
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	1
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	1

SUBSIDIARY ITEMS

DESCRIPTION
REMOVAL OF EXISTING DRAINAGE STRUCTURES AND PIPES (WHERE INDICATED ON PLANS)
REMOVAL OF TYPE B & C TRAFFIC SIGNS
NOTE: THIS LIST SHOULD NOT BE CONSIDERED TO BE THE COMPLETE LIST OF SUBSIDIARY WORK PRESENT IN THE PROJECT. REFER ALSO TO THE PLANS, PROPOSAL, SPECIAL PROVISIONS, AND TO THE STANDARD SPECIFICATIONS.

SIGNING

ITEM NO.	ITEM	UNIT	TOTAL
615.03	TRAFFIC SIGN TYPE C (F)	SF	108
615.06	TRAFFIC SIGN TYPE CC (F)	SF	8

PERMANENT CONSTRUCTION SIGNS

(INCLUDED IN ITEM NO. 619.1)

SIGN NO.	DESCRIPTION	SIZE (ft)		S.F.	NO. REQ.	TOTAL AREA	PORTABLE MOUNTS	LOCATION
		W	H					
G20-2a	"END ROAD WORK"	2	4	8	3	24		US ROUTE 2 EB & WB
R50-1	"WORK ZONE SPEED"	4	6	24	2	48		US ROUTE 2 EB & WB
W20-1b	"ROAD WORK 500 FT"	4	4	16	1	16		VALLEY ROAD
W20-1c	"ROAD WORK 1000 FT"	4	4	16	2	32		US ROUTE 2 EB & WB
W20-1e	"ROAD WORK 1/2 MILE"	4	4	16	2	32		US ROUTE 2 EB & WB

The estimated quantities of "Permanent Controls" are hereby listed. The Contractor is responsible for all "Operational Controls" required under section 619 of the NHDOT Specifications and the Manual of Uniform Traffic Control Devices (MUTCD), Part VI.

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

SUMMARY OF QUANTITIES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602Asum	13602A	10	64

DESCRIPTION

REVISIONS AFTER PROPOSAL

STATION

DATE

NUMBER

DATE XX

DATE XX

DATE XX

DATE XX

DATE

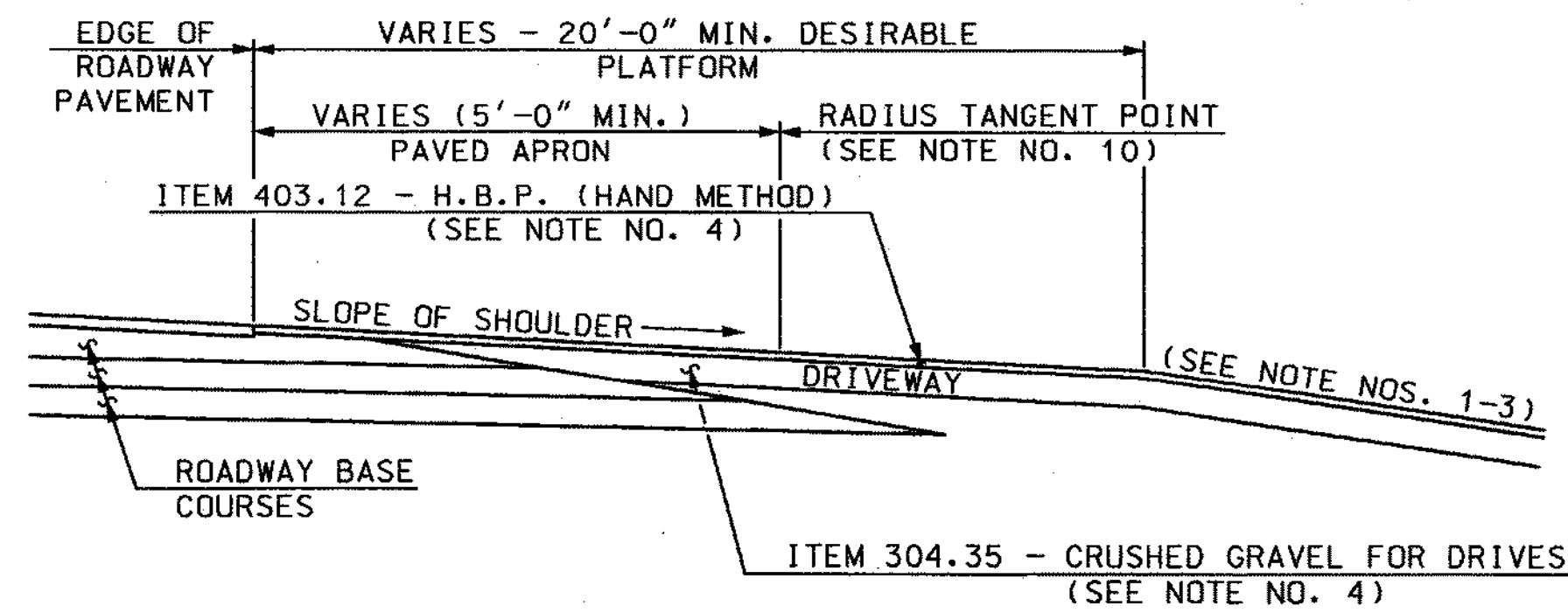
AS BUILT DETAILS

SDR PROCESSED XX

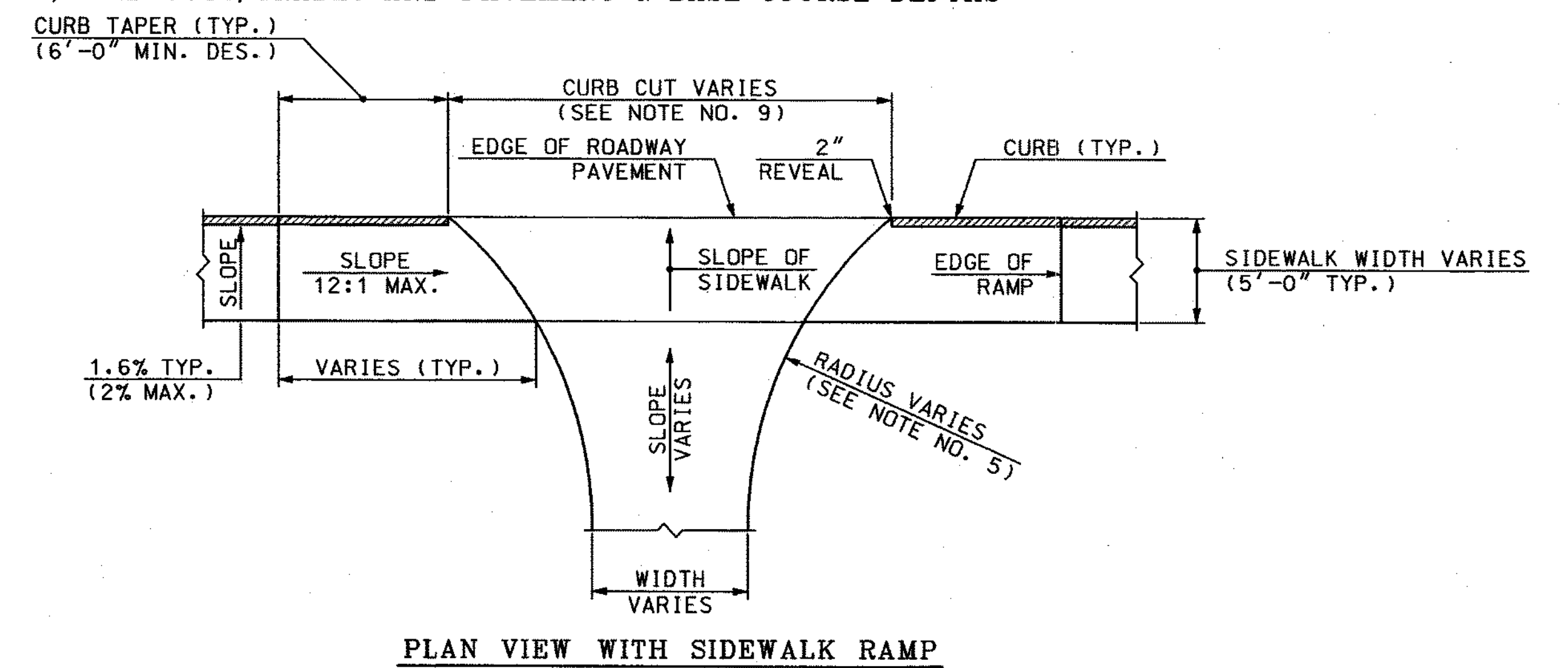
NEW DESIGN XX

SHEET CHECKED XX

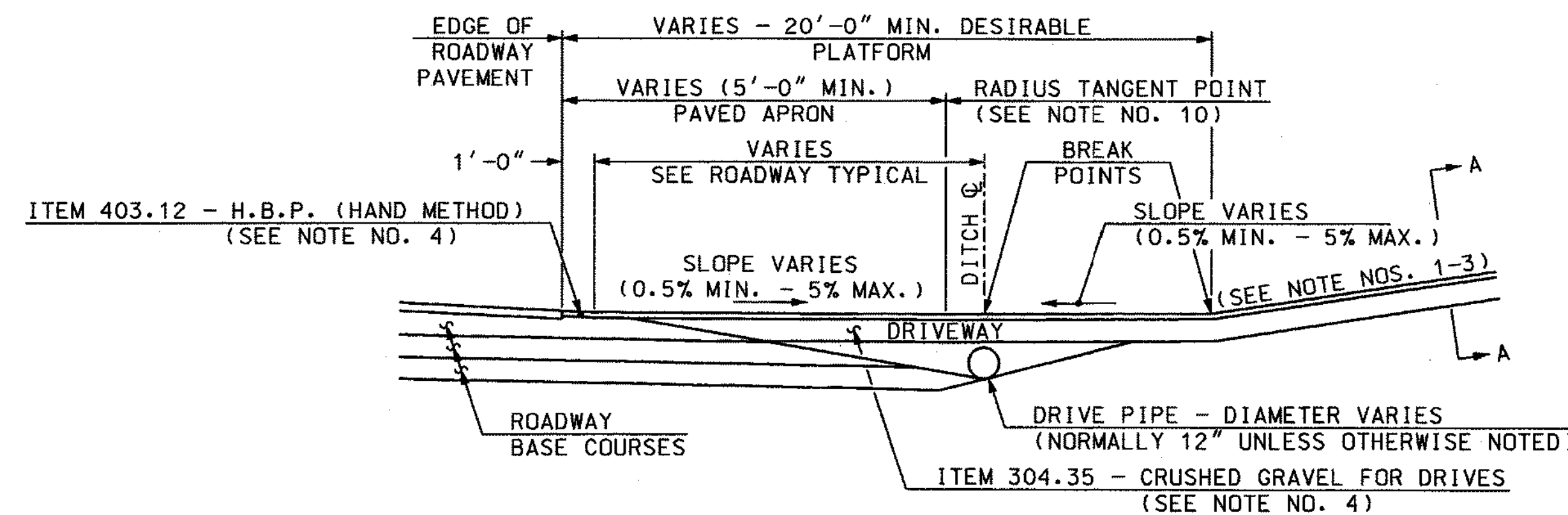
NOTE: REFER TO PAVEMENT LAYOUT PLANS AND CROSS-SECTIONS FOR DRIVEWAY LENGTHS, WIDTHS, RADII, CURB CUTS, GRADES AND PAVEMENT & BASE COURSE DEPTHS



TYPICAL UNCURBED DRIVE IN FILL SECTION

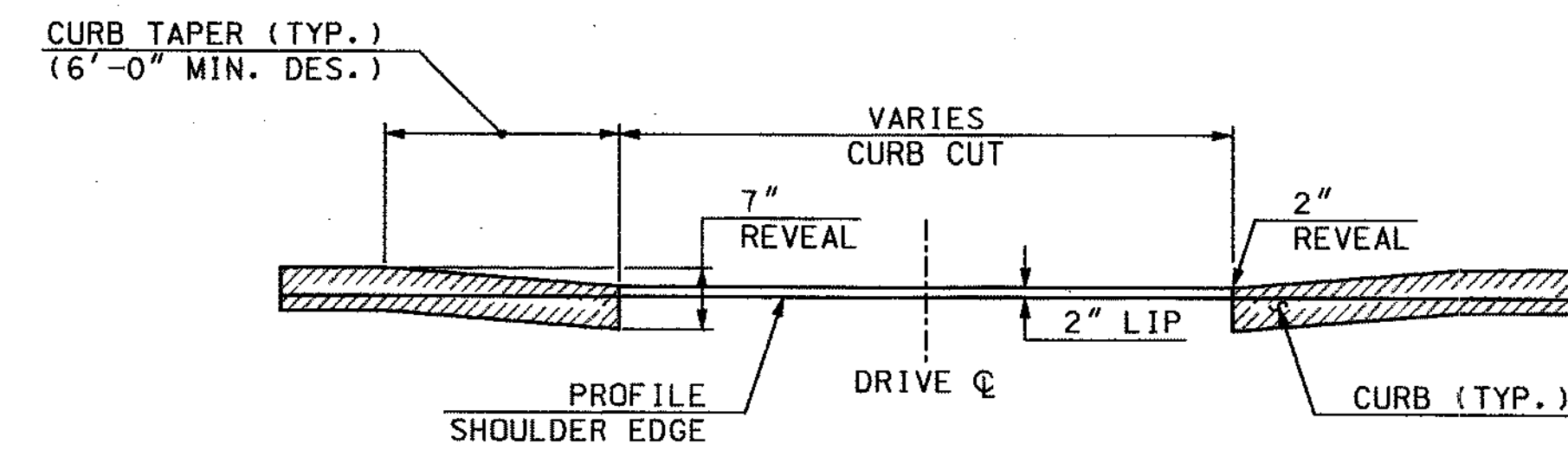


PLAN VIEW WITH SIDEWALK RAMP

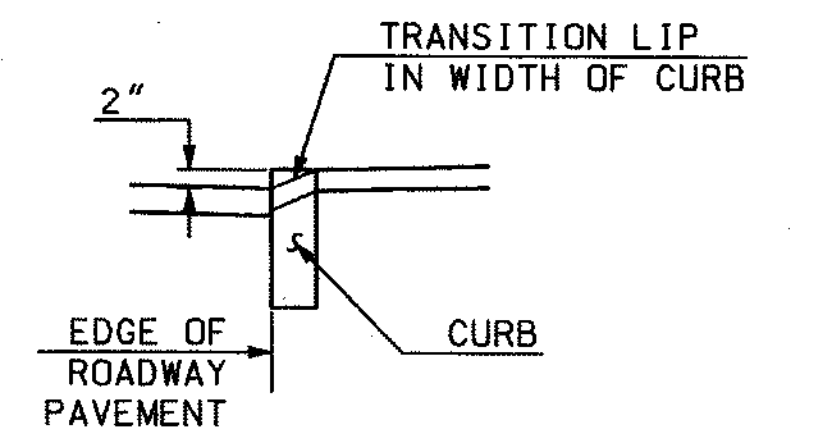


A-A DRIVEWAY CROSS-SECTION

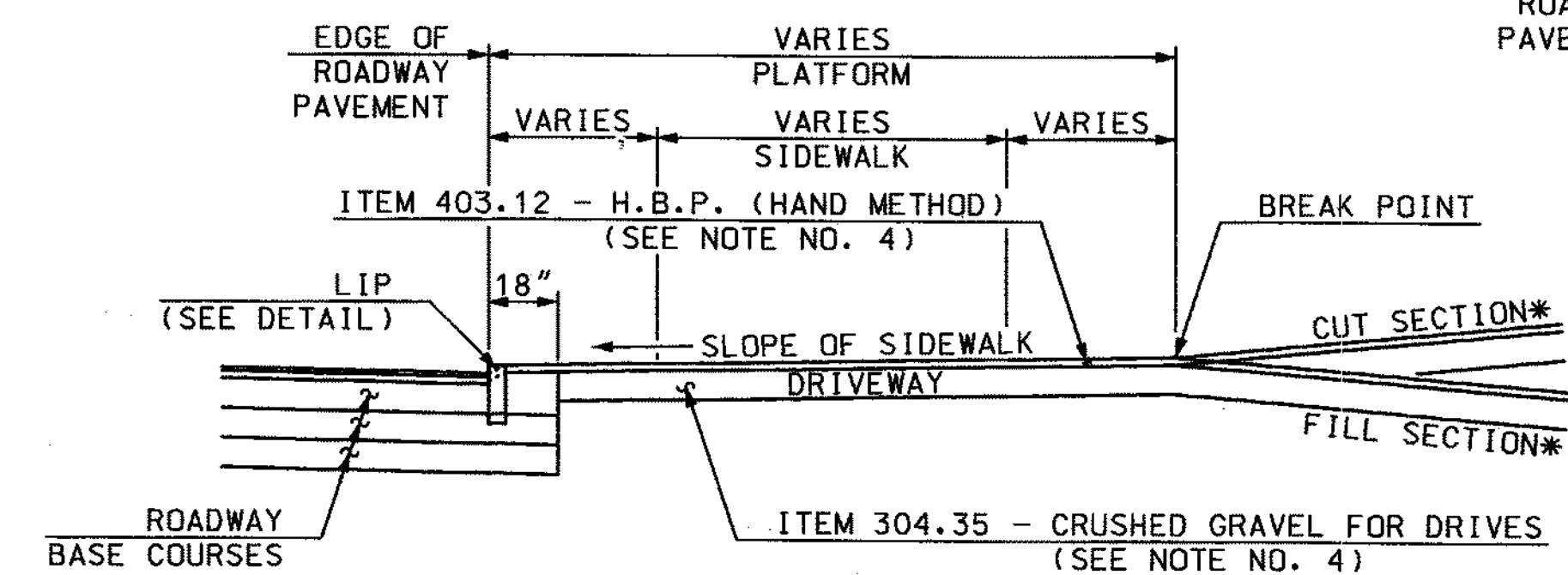
TYPICAL UNCURBED DRIVE IN CUT SECTION



END VIEW



LIP DETAIL



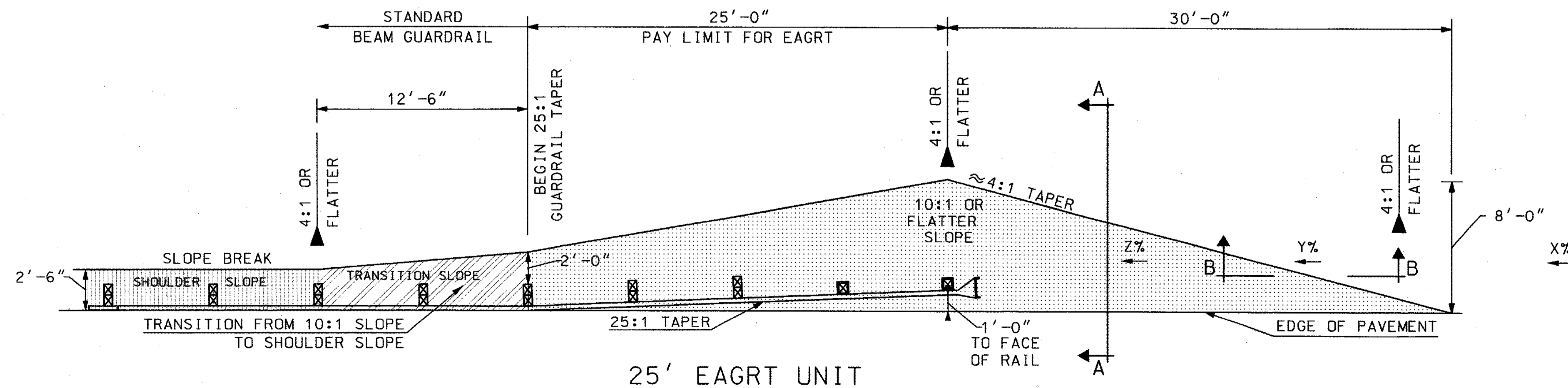
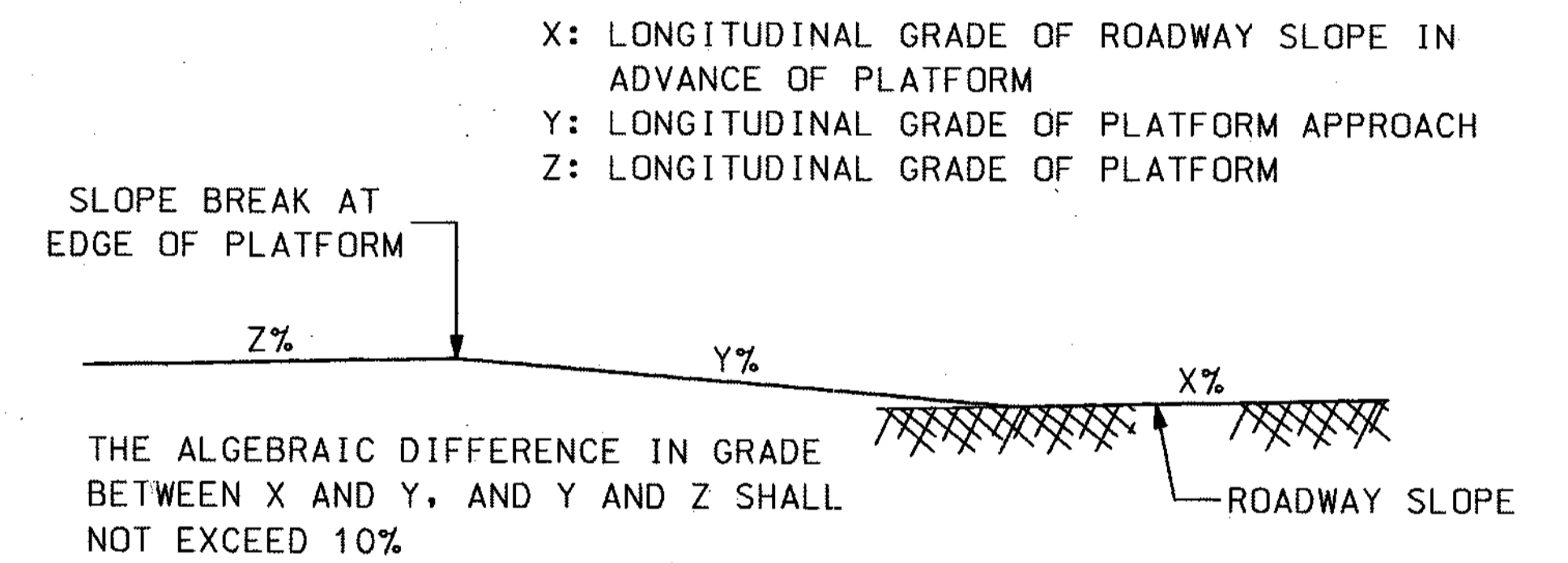
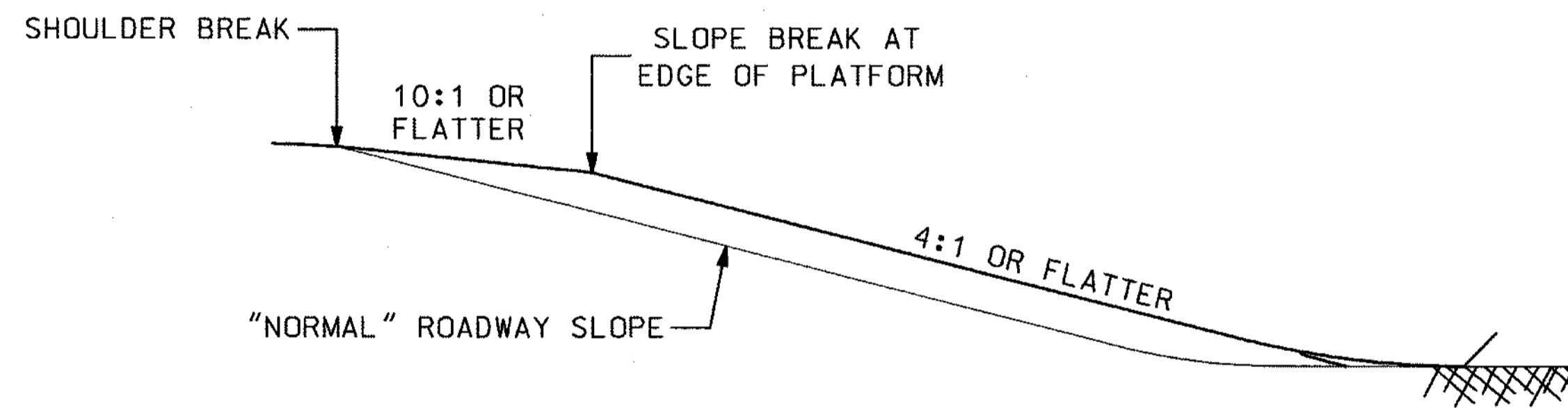
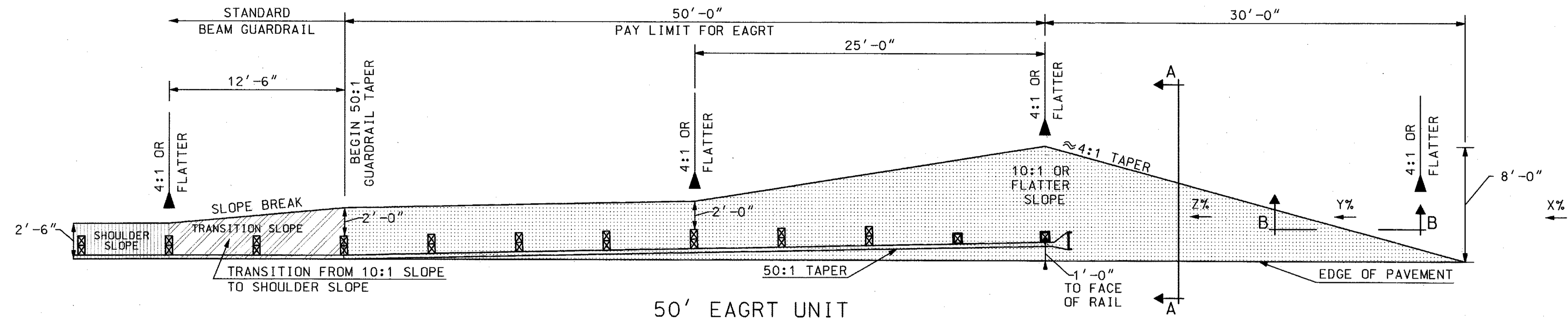
TYPICAL URBAN CURBED DRIVE IN CUT/FILL SECTION

GENERAL NOTES

- GRADES OF MAJOR ENTRANCES BEYOND THE PLATFORM SHOULD NOT EXCEED 8%.
- GRADES OF OTHER DRIVES BEYOND THE PLATFORM SHOULD NOT EXCEED 15%.
- THE ALGEBRAIC DIFFERENCE BETWEEN TWO ADJACENT GRADES SHOULD NOT EXCEED 10%.
- PAVEMENT AND BASE COURSE DEPTHS FOR RESIDENTIAL DRIVES ARE TYPICALLY 8" CRUSHED GRAVEL WITH 3" H.B.P. (HAND METHOD) DOUBLE COURSE. FOR COMMERCIAL/INDUSTRIAL DRIVES WITH FREQUENT HEAVY TRUCK TRAFFIC, 1'-0" CRUSHED GRAVEL WITH 3" H.B.P. (PLACED IN 2 COURSES) SHOULD BE USED.
- FOR DESIGN CRITERIA AND OTHER ADDITIONAL INFORMATION, REFER TO THE NHDOT DRIVEWAY MANUAL.
- DITCHES ARE RECOMMENDED FOR UNCURBED DRIVEWAYS IN CUT SLOPES.
- USE SLOPED END SECTIONS ON DRIVE PIPES FOR UNCURBED DRIVEWAYS.
- CURBING CAN BE FLARED TO FIT DRIVE RADII IF APPROPRIATE OR ENDED AS DETAILED ABOVE.
- CURB CUTS FOR RESIDENTIAL DRIVES WITH ANGLES OF ENTRY OF 75°-90° ARE TYPICALLY 25'-0".
- FOR UNPAVED DRIVES, THE PAVED APRON NORMALLY ENDS AT THE RADIUS TANGENT POINT. SEE PAVEMENT LAYOUT PLANS.

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
DRIVEWAYS				
REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
SEPT-27-02	13602ADRIE	13602A	11	64

PREFERRED PLATFORM FOR ENERGY ABSORBING GUARDRAIL TERMINAL (EAGRT)



SDR PROCESSED	DATE	XX
NEW DESIGN	DATE	2006/07
SHEET CHECKED	DATE	MAY 2007
AS BUILT DETAILS	DATE	
REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NUMBER	DATE	

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
EAGRT PREFERRED PLATFORM GRADING			
REVISION DATES	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
6-7-05	13602A	12	64

BEGIN CONST.
STA. 8185+50

BEGIN APPROACH
STA. 8185+00

FINISHED GRADE
CONSTRUCTION

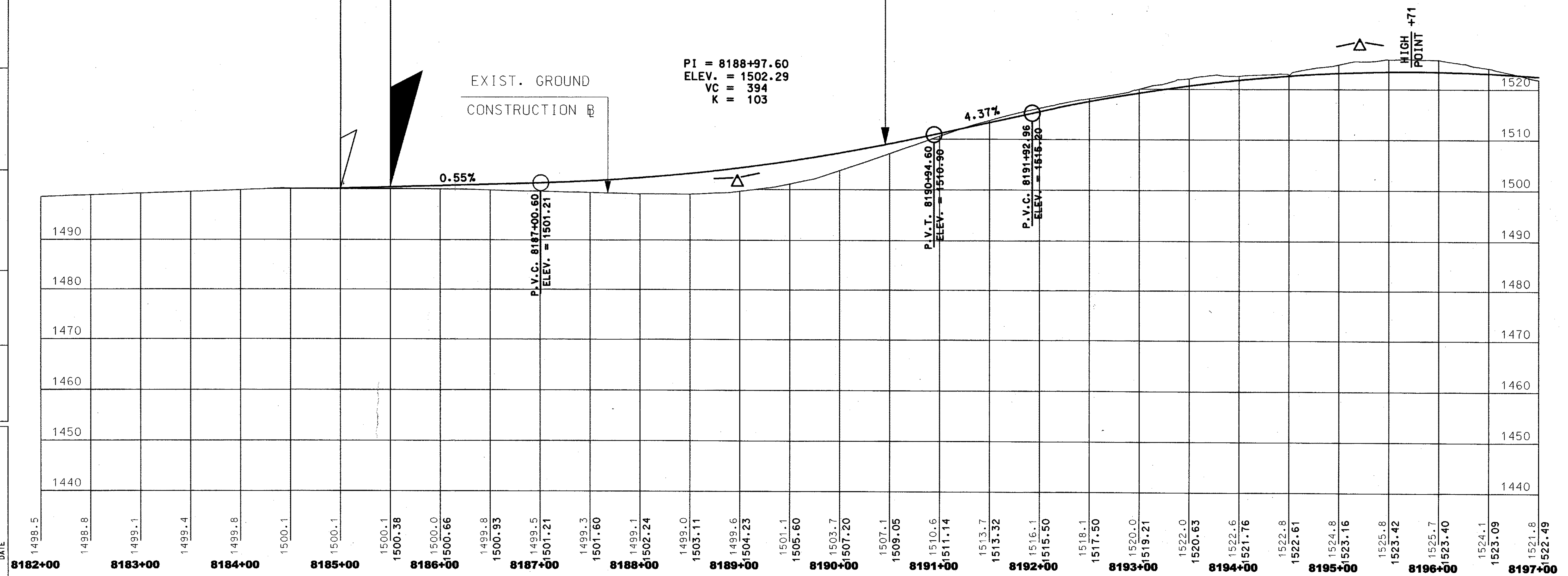
EXIST. GROUND
CONSTRUCTION

PI = 8195+20.96
ELEV. = 1529.52
VC = 656
K = 87

PI = 8188+97.60
ELEV. = 1502.29
VC = 394
K = 103

HIGH
POINT
+71

SDR PROCESSED		DATE XX		REVISIONS AFTER PROPOSAL	
NEW DESIGN	XX	DATE XX	XX	STATION	DESCRIPTION
SHEET CHECKED	XX	DATE XX	XX	NUMBER	DATE
AS BUILT DETAILS					

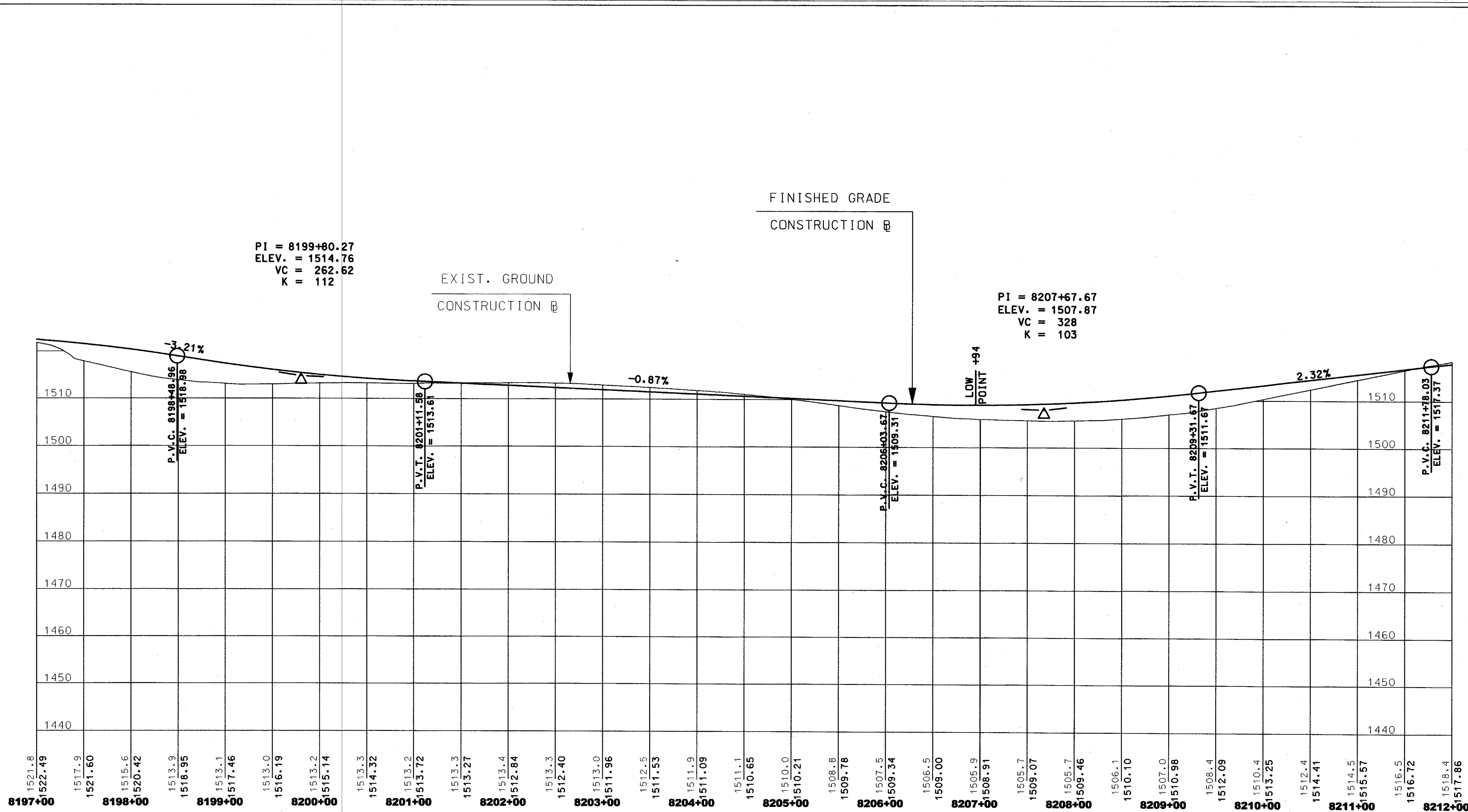


STATION	ELEVATION
8182+00	1499.5
8183+00	1499.1
8184+00	1499.4
8185+00	1499.8
8186+00	1500.1
8187+00	1500.38
8188+00	1500.0
8189+00	1500.66
8190+00	1499.8
8191+00	1500.93
8192+00	1499.5
8193+00	1501.21
8194+00	1499.3
8195+00	1501.60
8196+00	1499.1
8197+00	1502.24
	1499.0
	1503.11
	1499.6
	1504.23
	1501.1
	1505.60
	1503.7
	1507.20
	1507.1
	1509.05
	1510.6
	1511.14
	1513.7
	1513.32
	1516.1
	1515.50
	1518.1
	1517.50
	1520.0
	1519.21
	1522.0
	1520.63
	1522.6
	1521.76
	1522.8
	1522.61
	1524.8
	1523.16
	1525.8
	1523.42
	1525.7
	1523.40
	1524.1
	1523.09
	1521.8
	1522.49

SCALE
HORIZ 1" = 50'
VERT 1" = 10'

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
PROFILES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602pro05	13602A	18	64

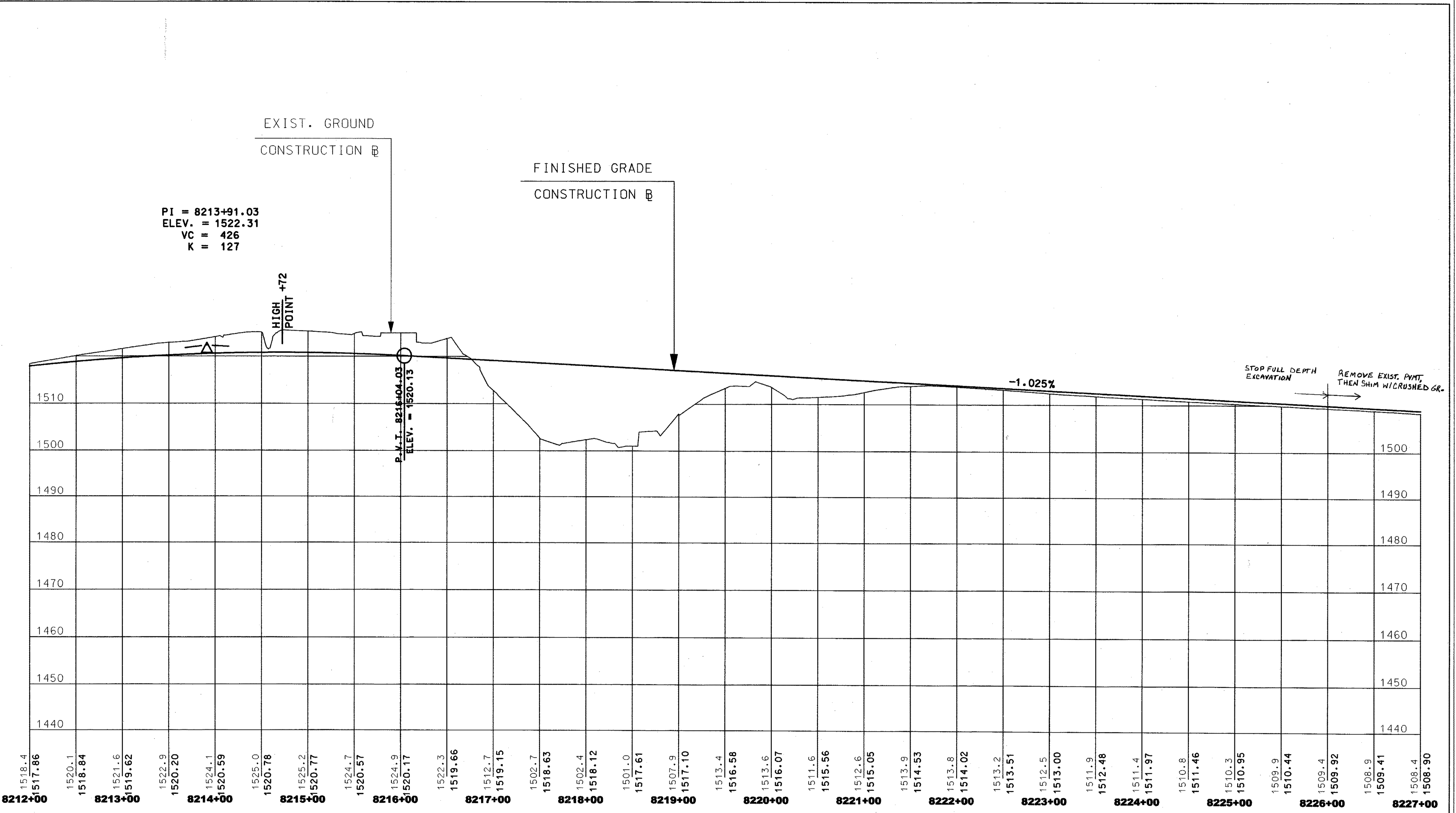
SDR PROCESSED		DATE XX		REVISIONS AFTER PROPOSAL	
NEW DESIGN	XX	DATE XX	XX	STATION	DESCRIPTION
SHEET CHECKED	XX	DATE XX	XX	NUMBER	
AS BUILT DETAILS					
DATE					



SCALE
 HORIZ 1" = 50'
 VERT 1" = 10'

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
PROFILES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602pro06	13602A	19	64

SDR PROCESSED	XX	DATE	XX	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	XX	DATE	XX			
SHEET CHECKED	XX	DATE	XX			
AS BUILT DETAILS		DATE				



SCALE
HORIZ 1" = 50'
VERT 1" = 10'

AS-BUILT PLANS

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
PROFILES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602pr007	13602A	20	64

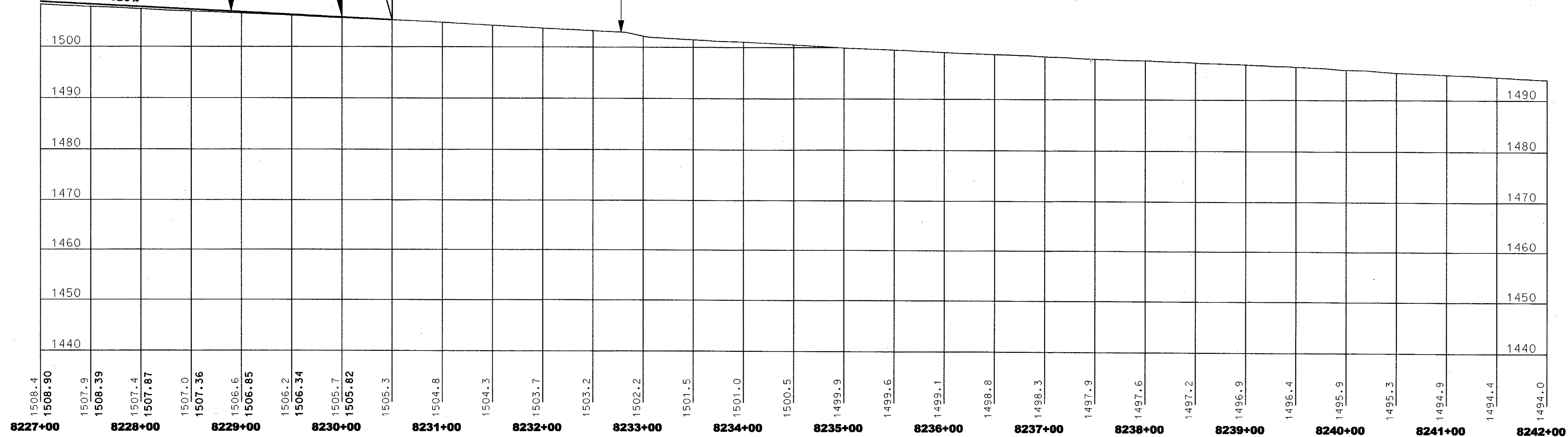
END CONST.
STA. 8230+00

END APPROACH
STA. 8230+50

FINISHED GRADE
CONSTRUCTION @

EXIST. GROUND
CONSTRUCTION @

-1.025%



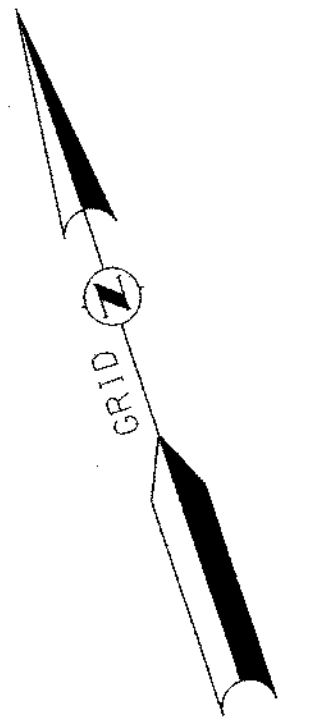
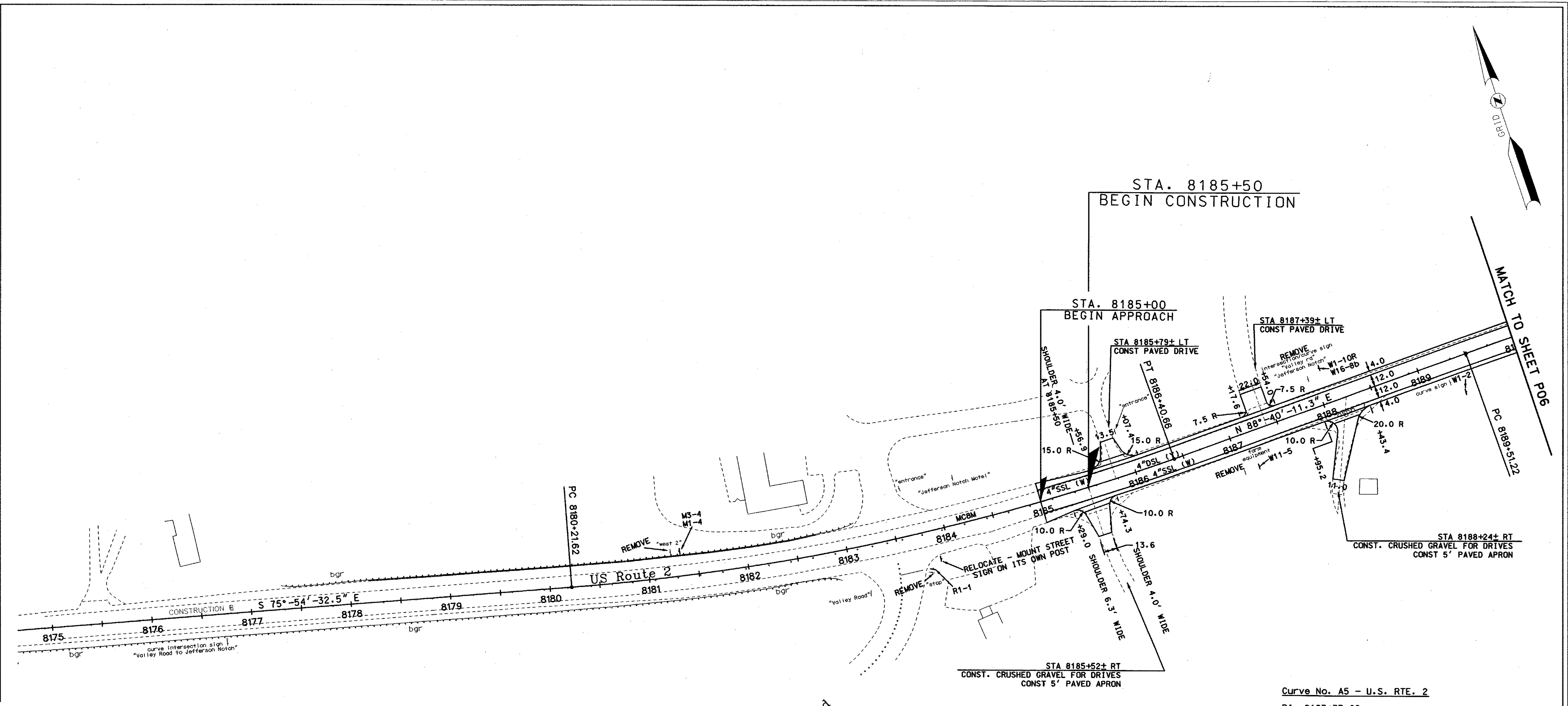
SCALE
HORIZ 1" = 50'
VERT 1" = 10'

REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
SDR PROCESSED	XX		
NEW DESIGN	XX		
SHEET CHECKED	XX		
AS BUILT DETAILS			

DATE	XX	DATE	XX	NUMBER	DATE	STATION	STATION
8227+00	1508.4	8228+00	1507.9				
	1508.90		1508.39				
			1507.4				
			1507.87				
			1507.0				
			1507.36				
			1506.6				
			1506.85				
			1506.2				
			1506.34				
			1505.7				
			1505.82				
			1505.3				
			1504.8				
			1504.3				
			1503.7				
			1503.2				
			1502.2				
			1501.5				
			1501.0				
			1500.5				
			1499.9				
			1499.6				
			1499.1				
			1498.8				
			1498.3				
			1497.9				
			1497.6				
			1497.2				
			1496.9				
			1496.4				
			1495.9				
			1495.3				
			1494.9				
			1494.4				
			1494.0				

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
PROFILES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602pro08	13602A	21	64

SDR PROCESSED	CZR	DATE	AUG. 2008
NEW DESIGN	XX	DATE	XX
SHEET CHECKED	XX	DATE	XX
AS BUILT DETAILS		DATE	



LEGEND

{ } SSL () = {size in inches} SINGLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)

{ } DSL () = {size in inches} DOUBLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)

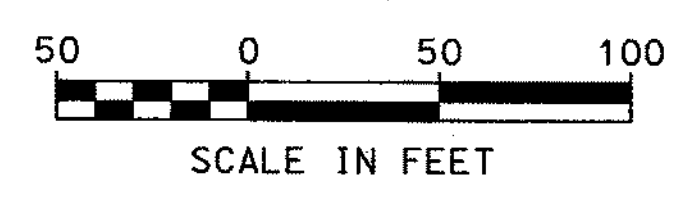
{ } SBL () = {size in inches} SINGLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)

GENERAL NOTE

1. ALL PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT.

Curve No. A5 - U.S. RTE. 2

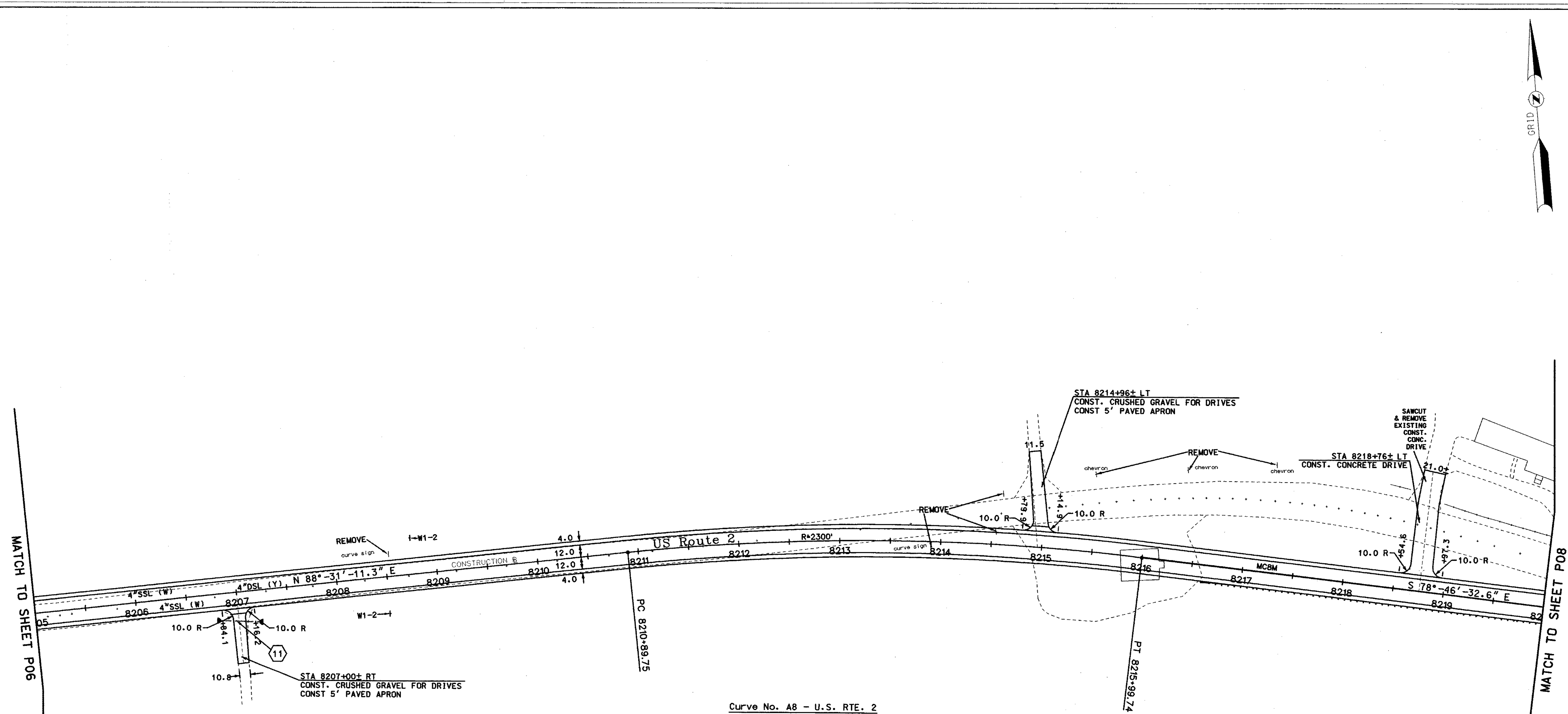
PI = 8183+33.02
 N = 677712.26
 E = 1062991.69
 A = 15°-25'-16.23" LT
 T = 311.40'
 R = 2300.00'
 L = 619.05'
 E = 20.99'



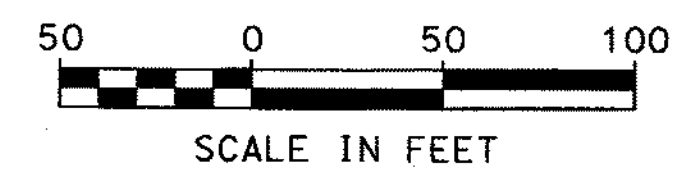
STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
PAVEMENT MARKING, LAYOUT & SIGNING			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602Ap05	13602A	22	64



SDR PROCESSED	CZR	DATE	AUG. 2008
NEW DESIGN	XX	DATE	XX
SHEET CHECKED	XX	DATE	XX
AS BUILT DETAILS		DATE	



Curve No. A8 - U.S. RTE. 2
 PI = 8213+45.79
 N = 677568.06
 E = 1065993.91
 Δ = 12°-42'-16.11" RT
 T = 256.05'
 R = 2300.00'
 L = 509.99'
 E = 14.21'

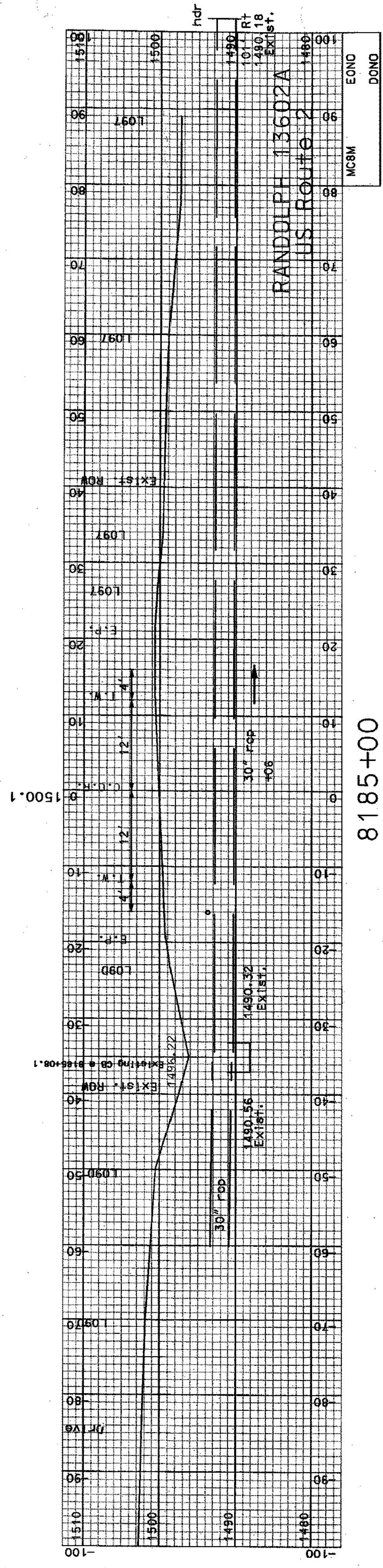


STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
PAVEMENT MARKING, LAYOUT & SIGNING			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602Ap07	13602A	24	64

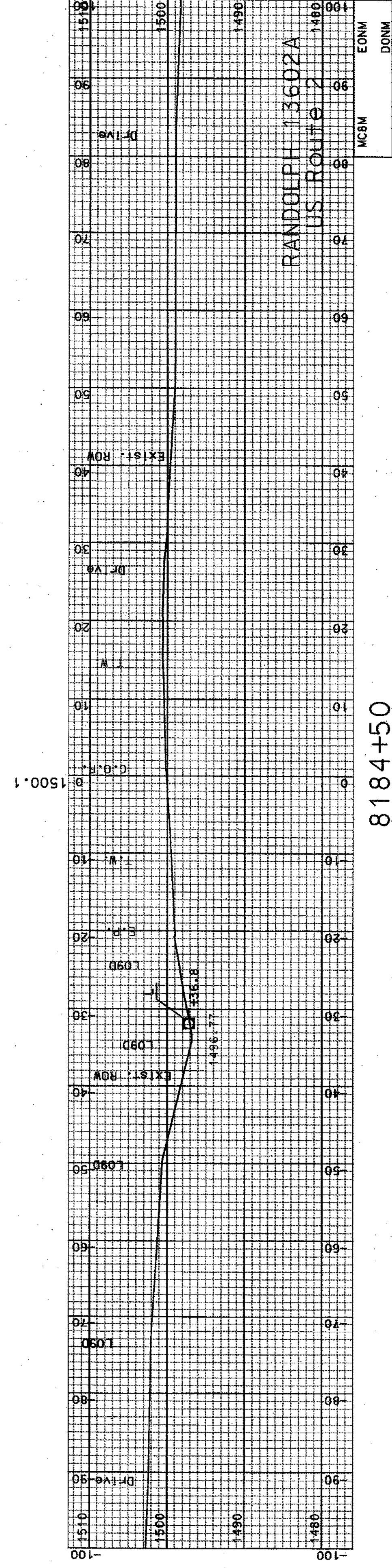
SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

NUMBER	DATE	STATION	REVISIONS AFTER PROPOSAL

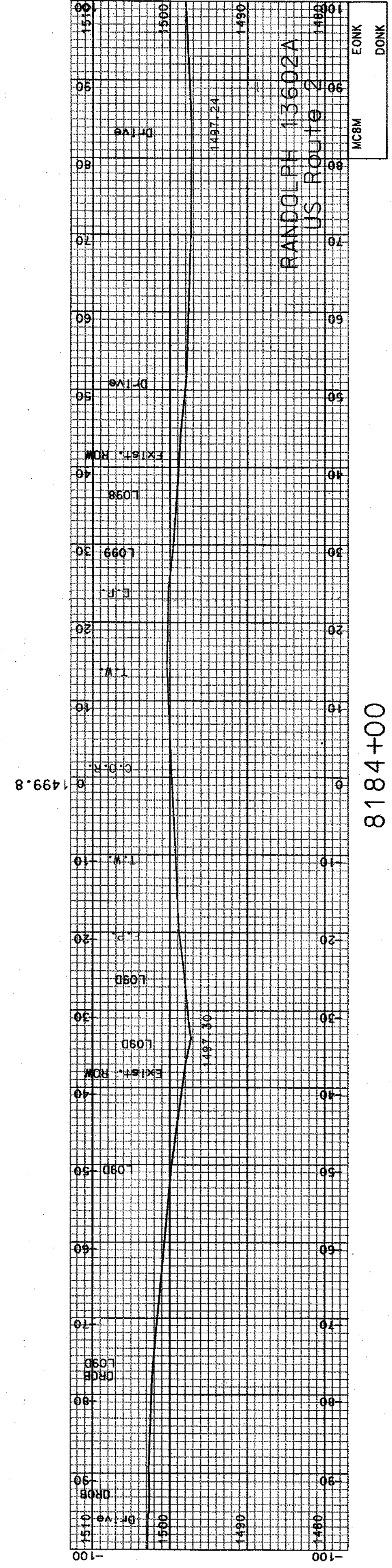
DESCRIPTION



8185+00
BEGIN APPROACH



8184+50



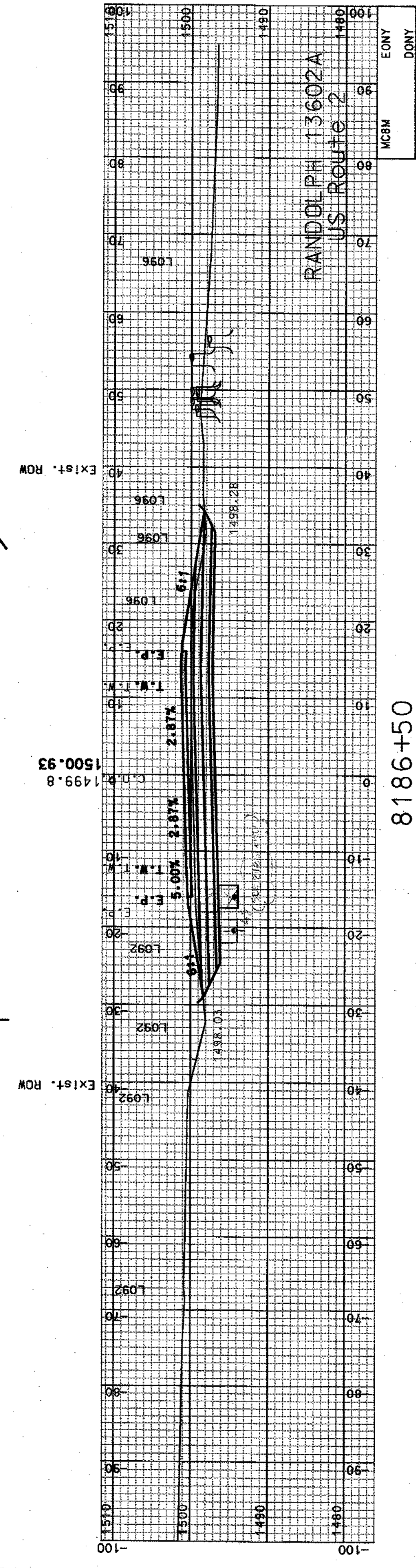
8184+00

SHEET TOTALS			
COMMON EXCAV.	0	C.Y.	0
FTILL	0	C.Y.	0
ROCK EXCAV.	0	C.Y.	0
MUCK EXCAV.	0	C.Y.	0
DON	13602AXSA3	STATE PROJECT NO.	13602A
		SHEET NO.	26
		TOTAL SHEETS	64

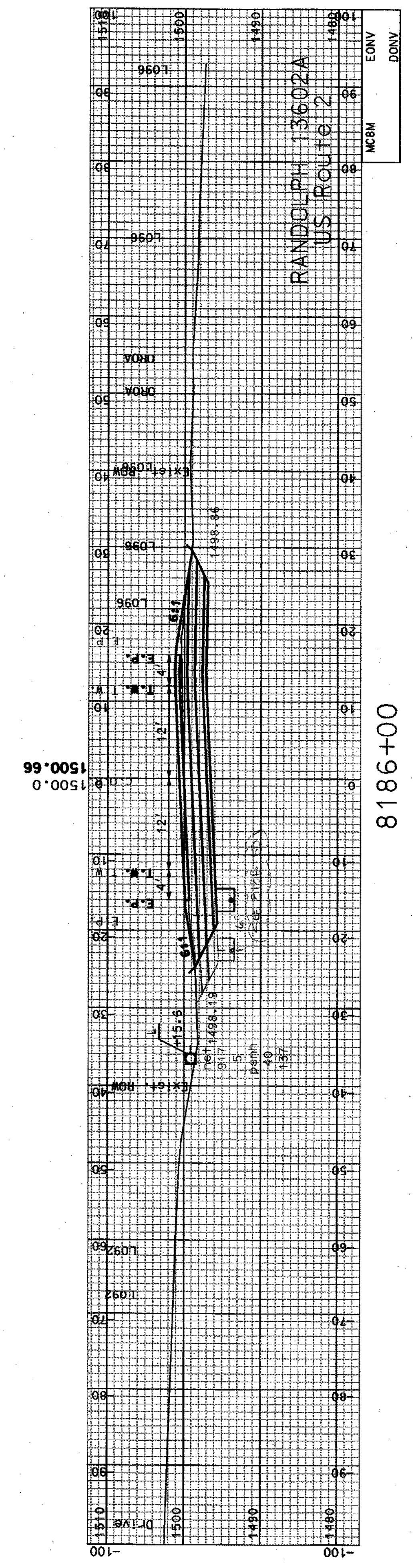
SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

NUMBER	DATE	STATION	DESCRIPTION

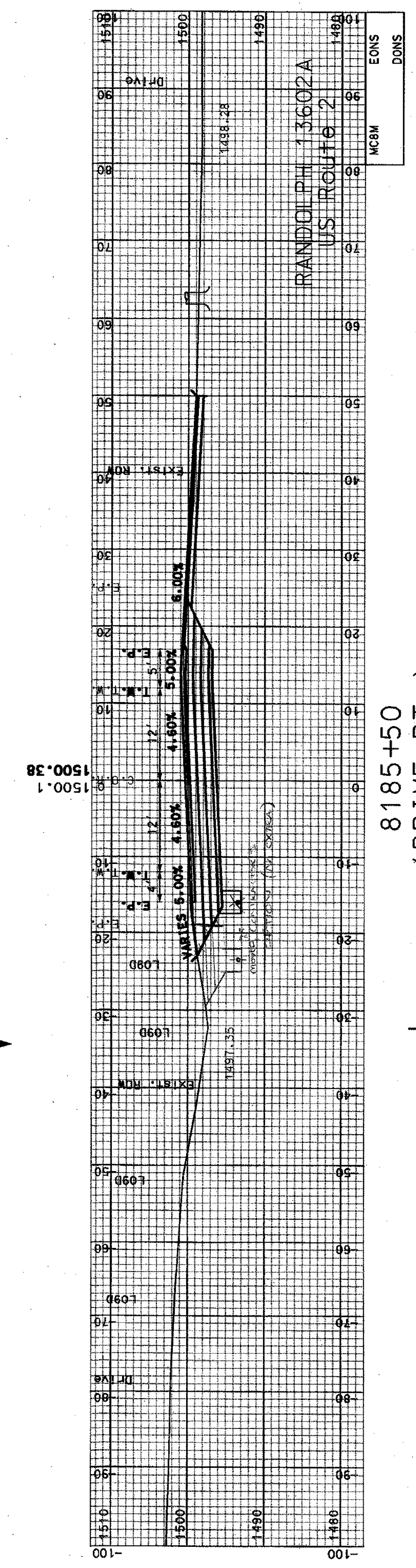
REVISIONS AFTER PROPOSAL	



8186+50



8186+00

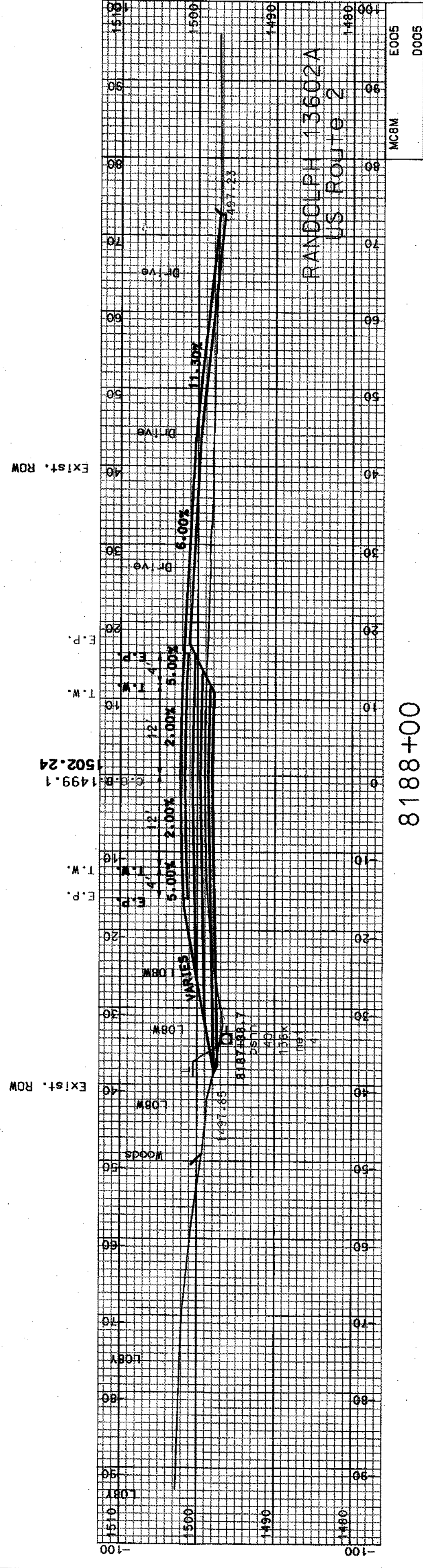


8185+50
(DRIVE RT.)
BEGIN CONSTRUCTION

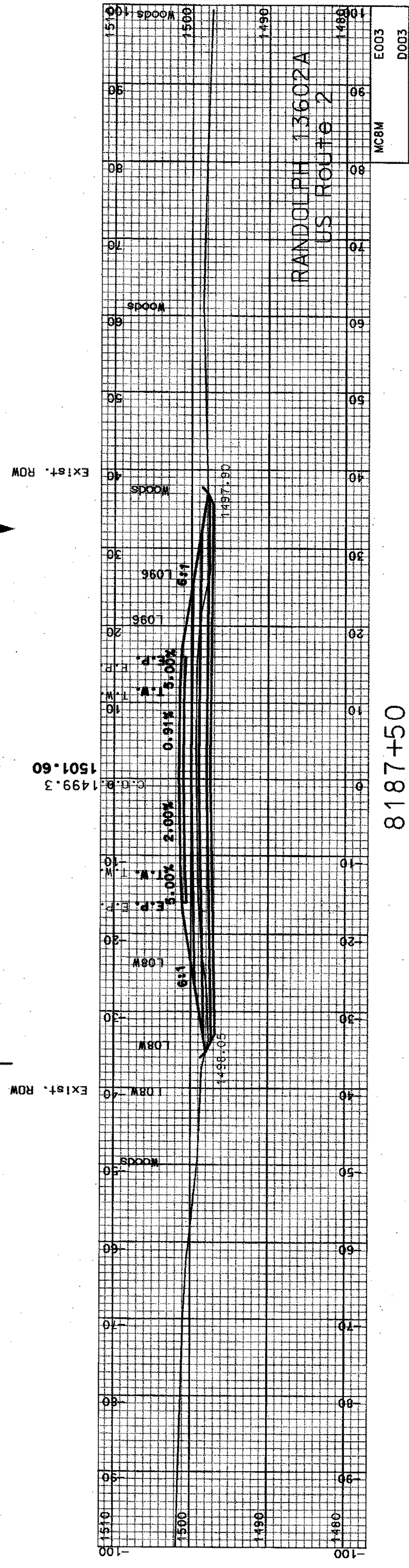
SHEET TOTALS		COMMON EXCAV.	851.67	C.Y.	ROCK EXCAV.	0	C.Y.
		FILL	0	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	13602A.X6A3	STATE PROJECT NO.	13602A	SHEET NO.	27	TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

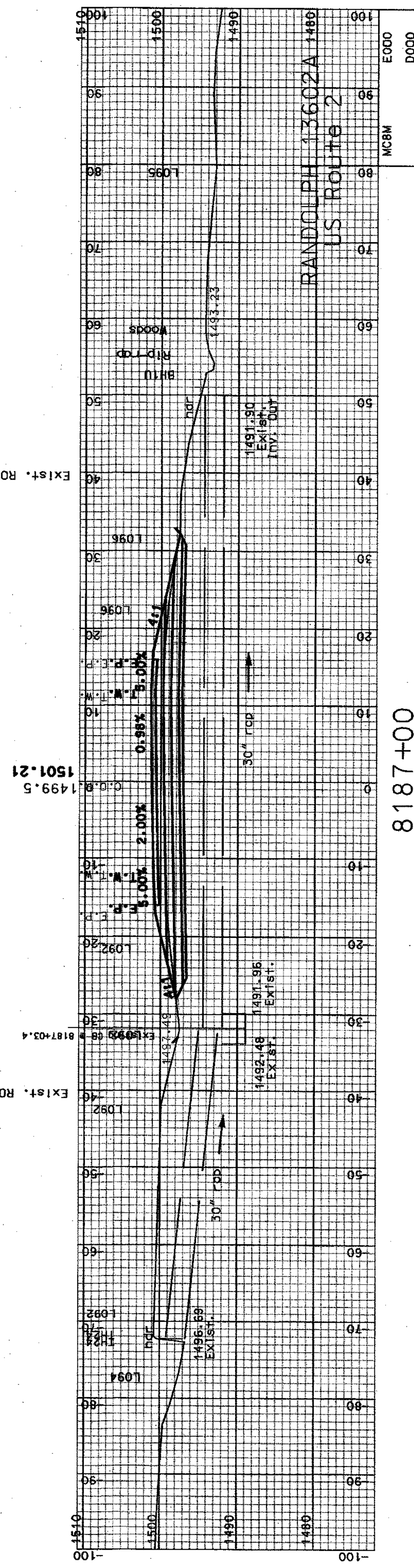
REVISIONS AFTER PROPOSAL	
NUMBER	DESCRIPTION



8188+00



8187+50



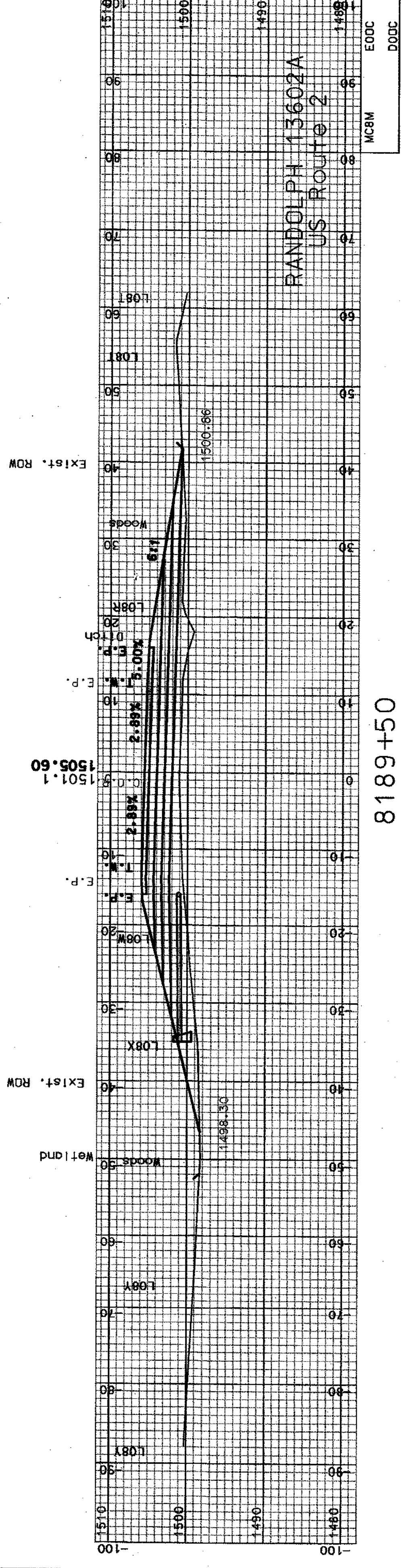
8187+00



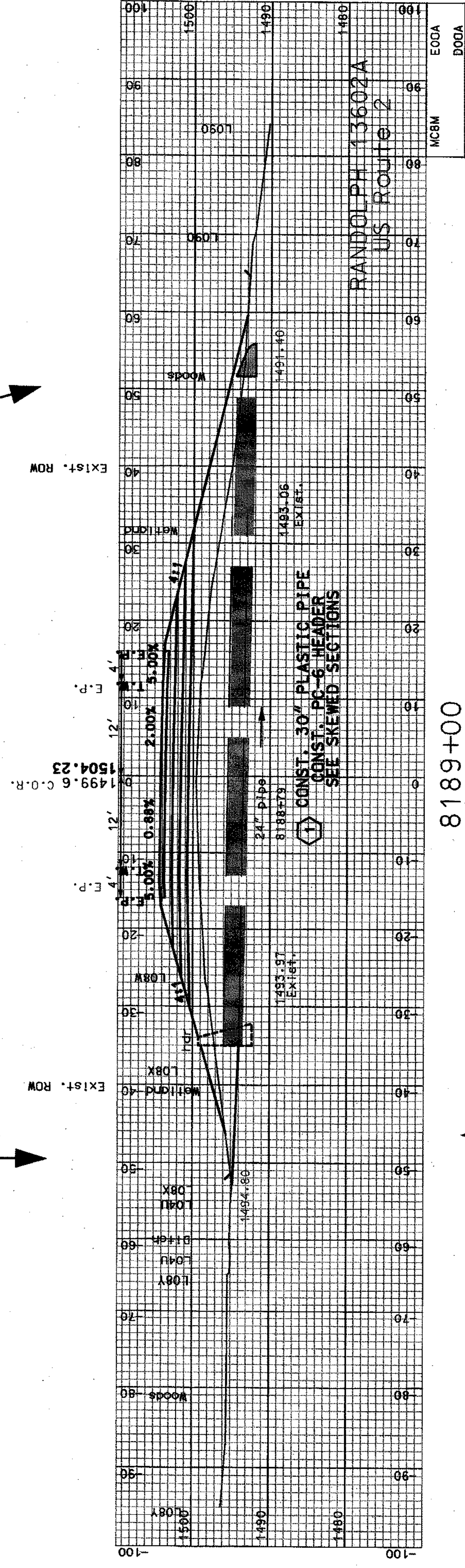
SHEET TOTALS	
COMMON EXCAV.	393.28
FILL	3.72
ROCK EXCAV.	0
MUCK EXCAV.	0
C.Y.	0
C.Y.	0
DGN	13602AXS3
STATE PROJECT NO.	13602A
SHEET NO.	28
TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

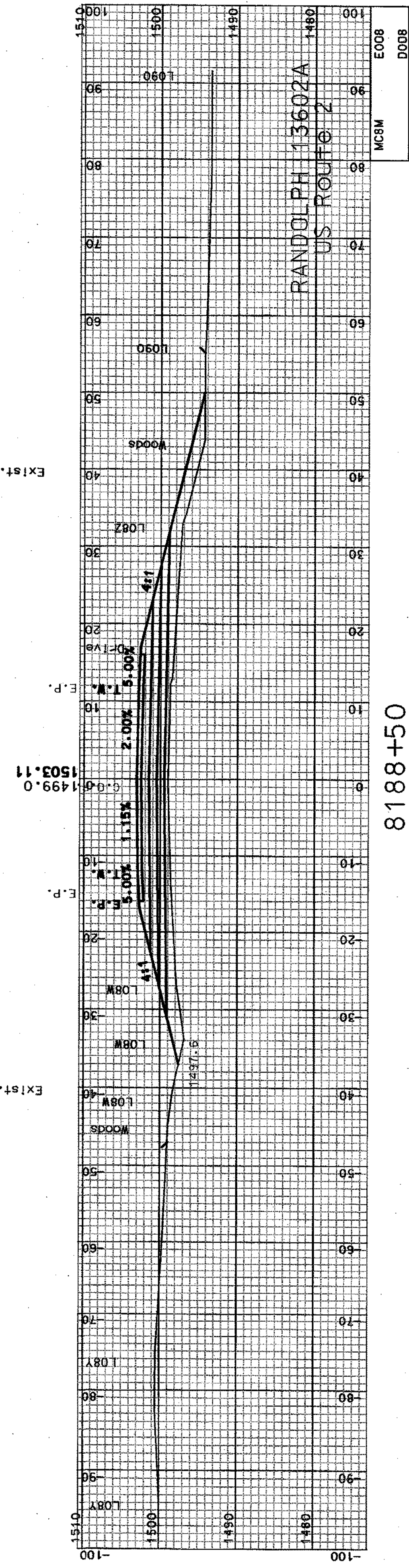
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8189+50



8189+00



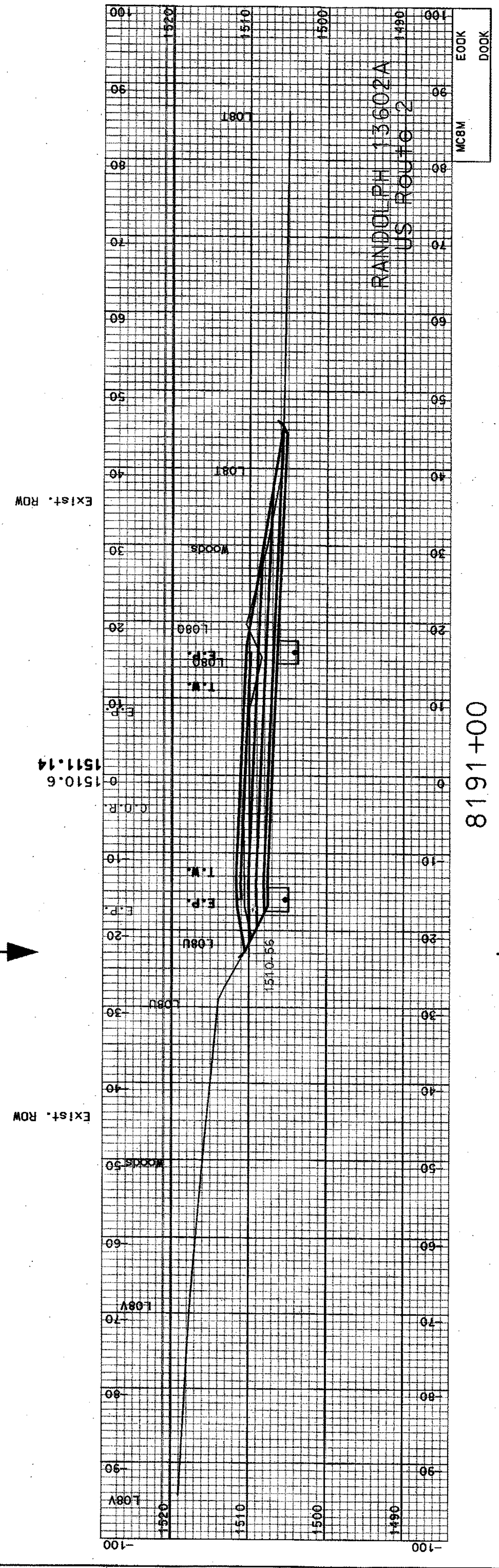
8188+50



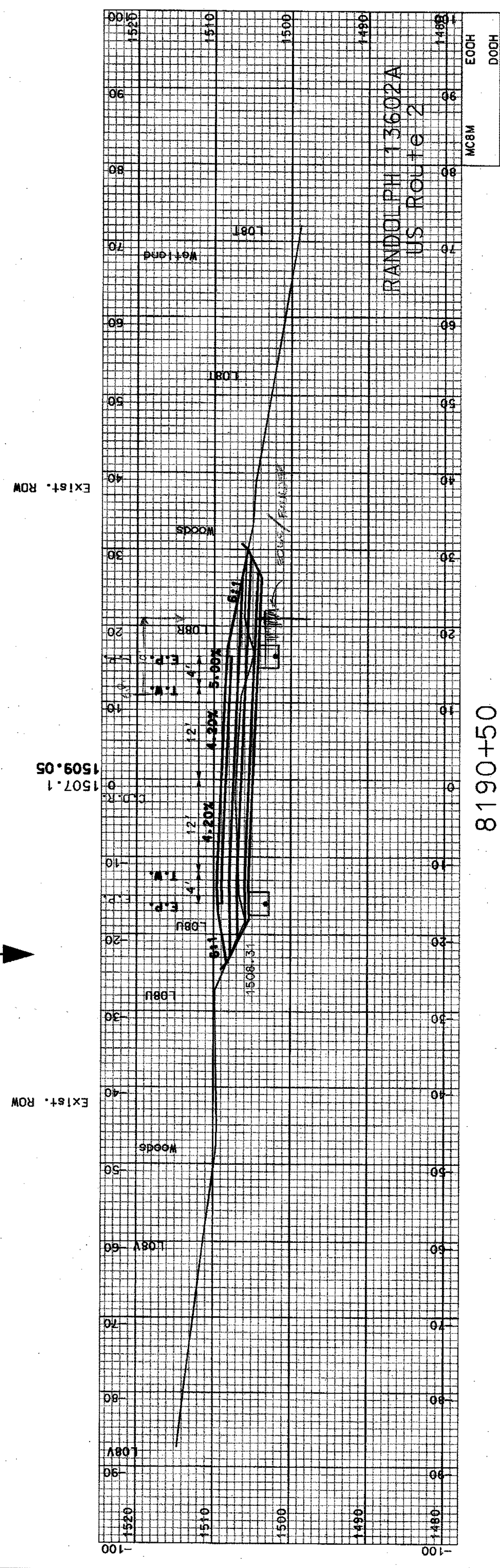
COMMON EXCAV.	73.90	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	698.10	C.Y.	MECK EXCAV.	0	C.Y.
DGN	13602AXSA3	STATE PROJECT NO.	13602A	SHEET NO.	29
				TOTAL SHEETS	64

SUR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

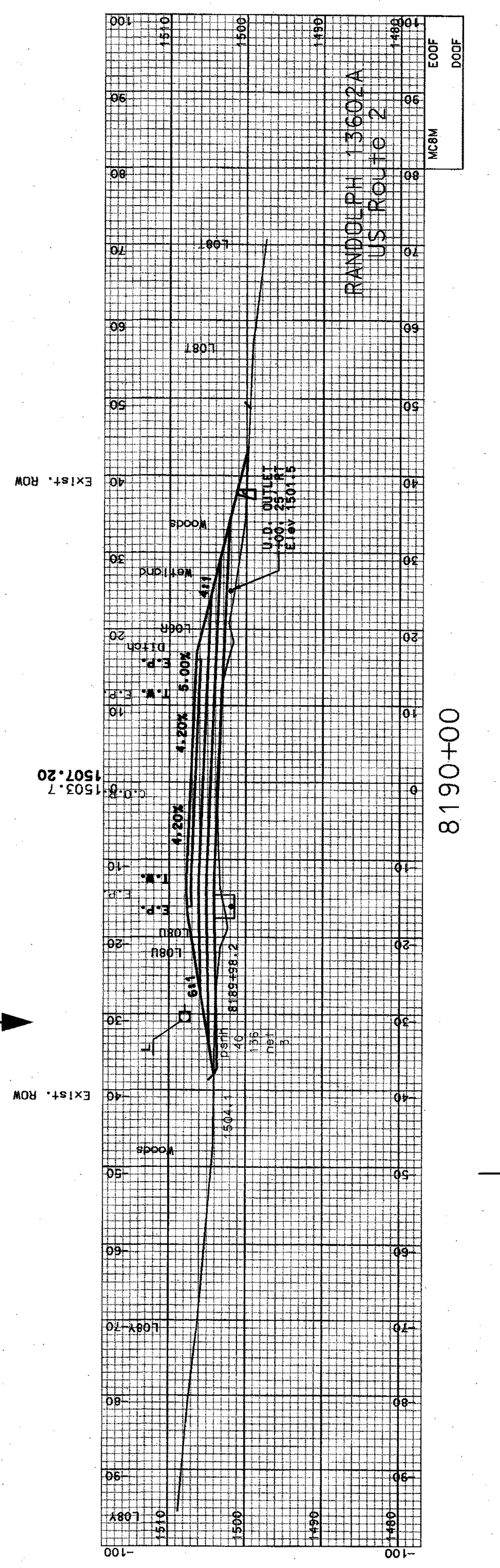
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8191+00



8190+50



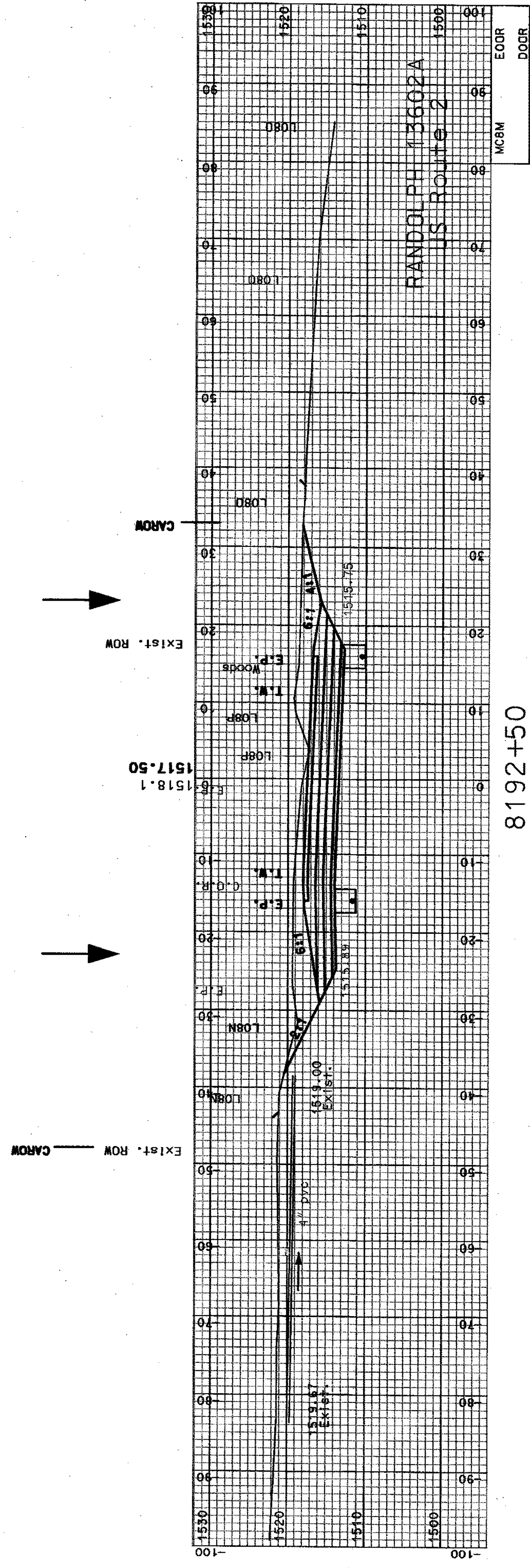
8190+00

SHEET TOTALS					
COMMON EXCAV.	763.45	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	234.91	C.Y.	MUCK EXCAV.	0	C.Y.
DCN	13602AXS3	STATE PROJECT NO.	13602A	SHEET NO.	30
				TOTAL SHEETS	64

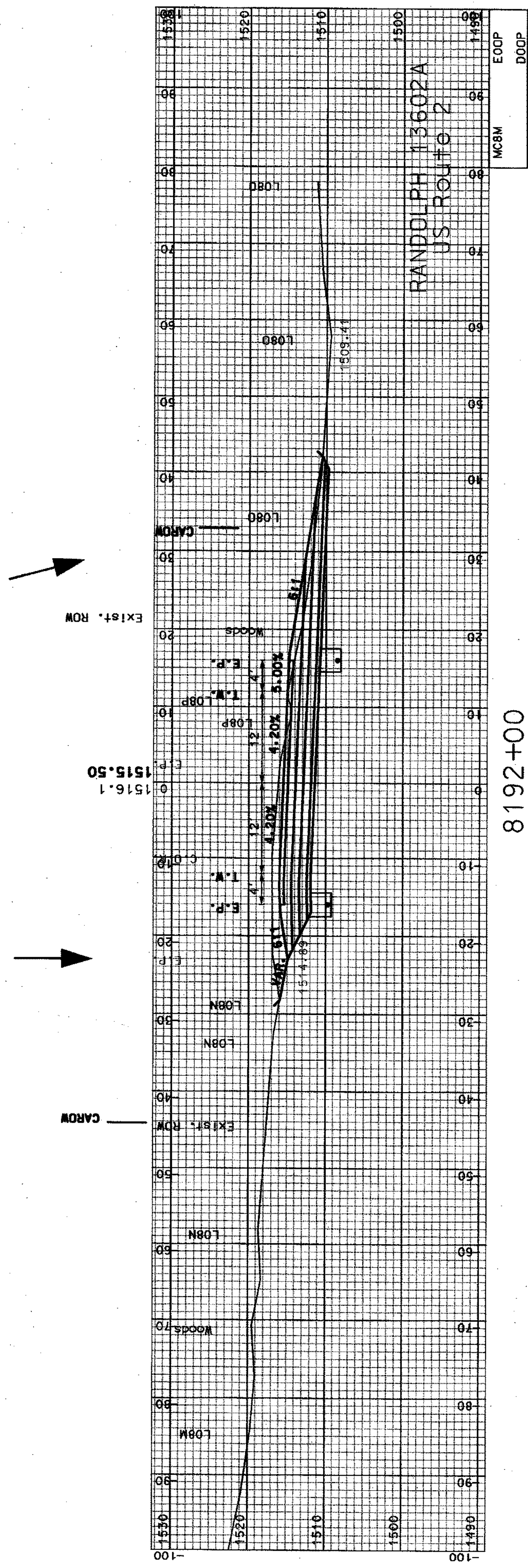
SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAMES	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL

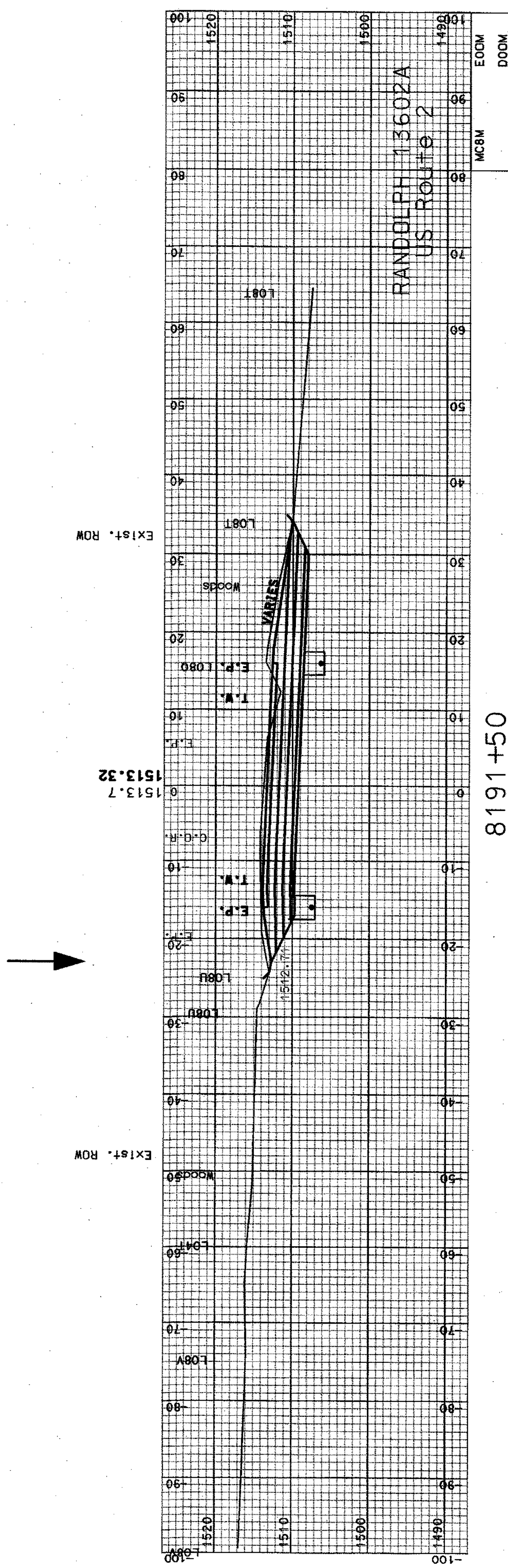
NUMBER	DATE	STATION	DESCRIPTION



8192+50



8192+00

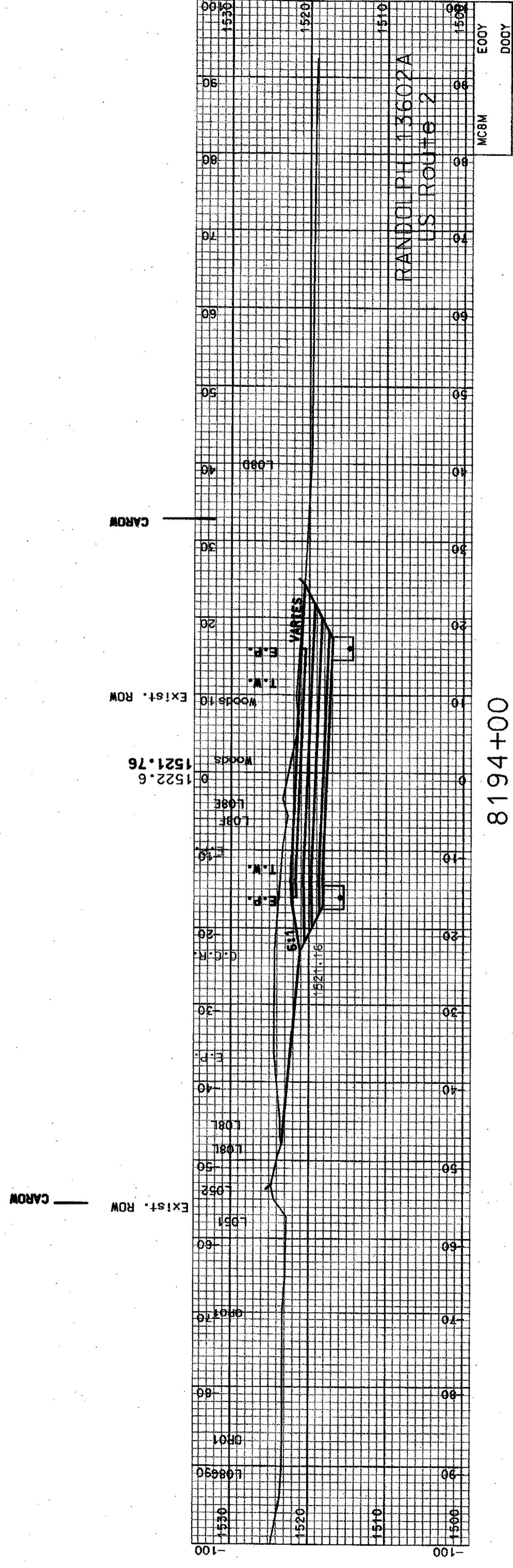


8191+50

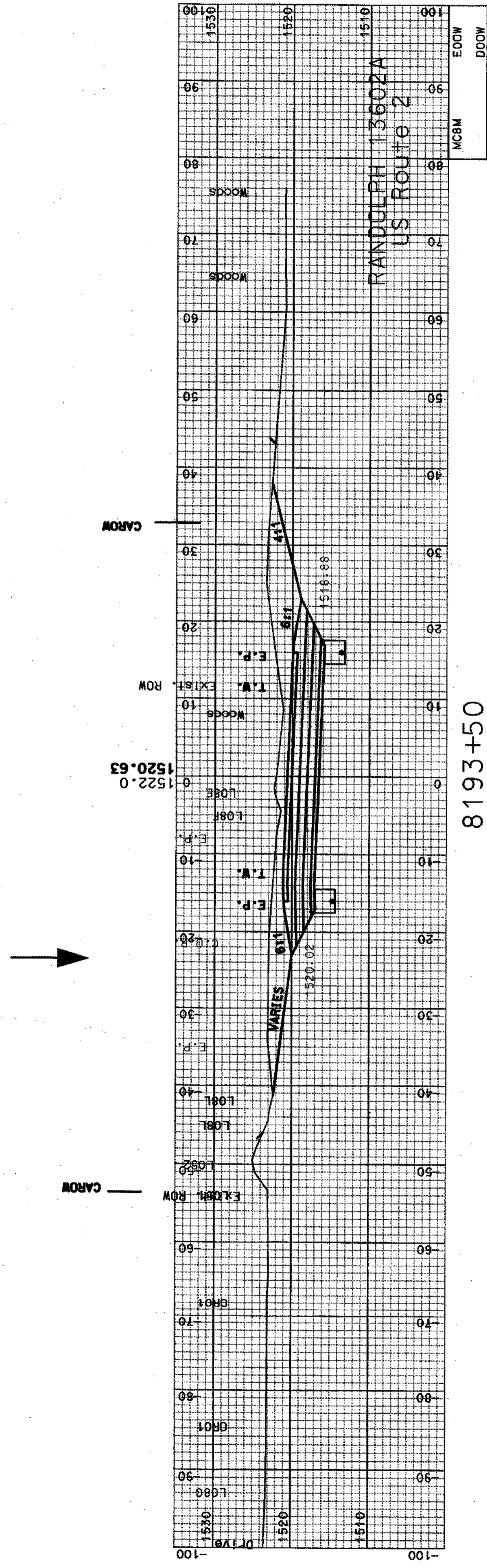
COMMON EXCAV.	1422.36	C.Y.	0	C.Y.	0
FILL	0	C.Y.	0	C.Y.	0
DGN	13602AXSA3	STATE PROJECT NO.	13602A	SHEET NO.	31
				TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

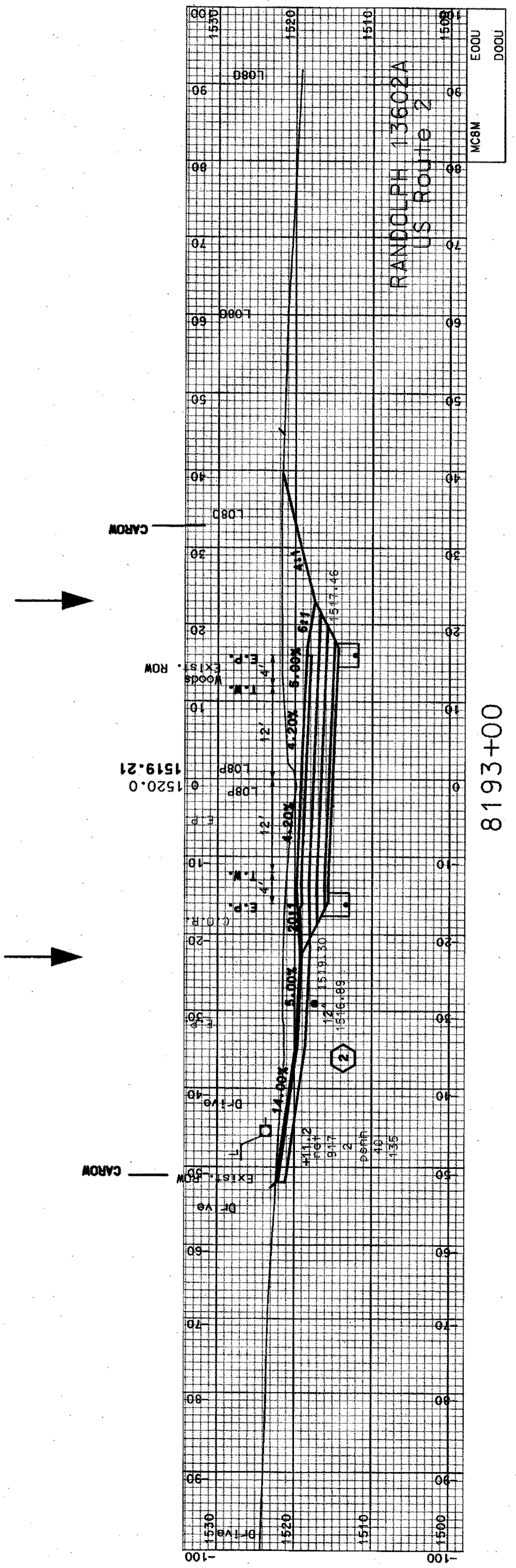
REVISIONS AFTER PROPOSAL			
NUMBER	DATE	STATION	DESCRIPTION



8194+00



8193+50

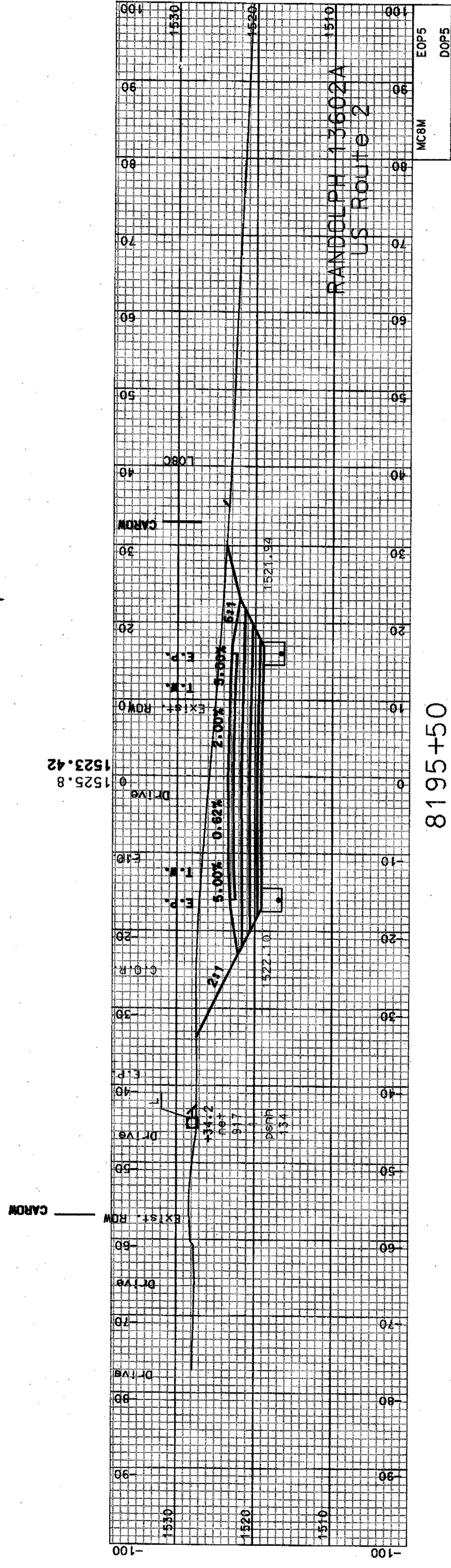


8193+00

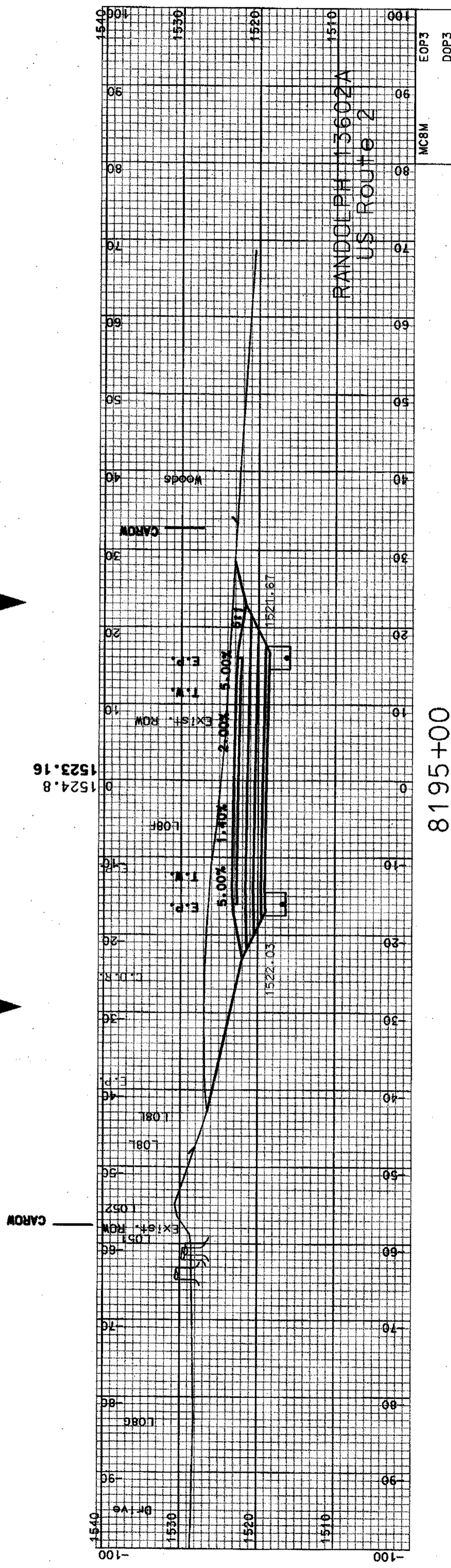
SHEET TOTALS					
COMMON EXCAV.	1539.32	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	0	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	1360ZAXSA3	STATE PROJECT NO.	13602A	SHEET NO.	32
				TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

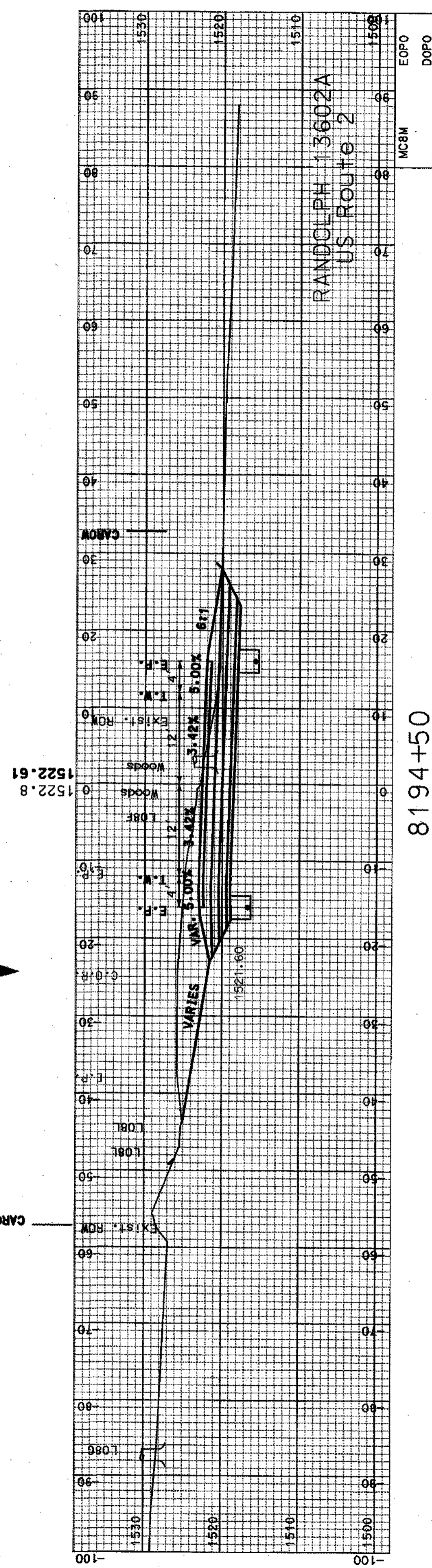
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8195+50



8195+00



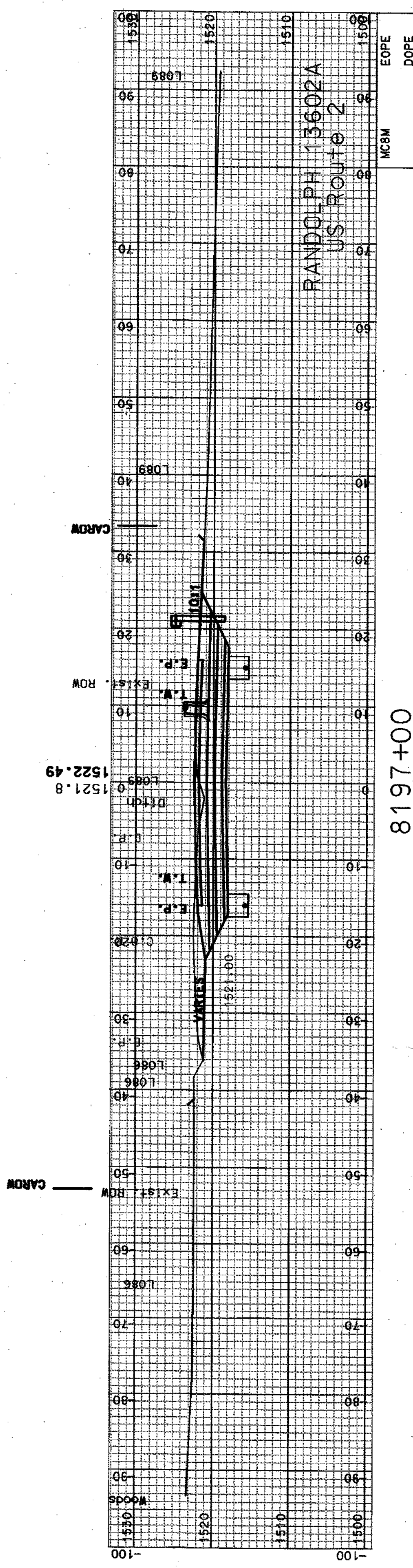
8194+50

SHEET TOTALS		COMMON EXCAV.	1717.22	C.Y.	0	RUCK EXCAV.	0	C.Y.	
		FILL	0	C.Y.	0	MUCK EXCAV.	0	C.Y.	
		DON	13602AXSA3	STATE PROJECT NO.	13602A	SHEET NO.	33	TOTAL SHEETS	64

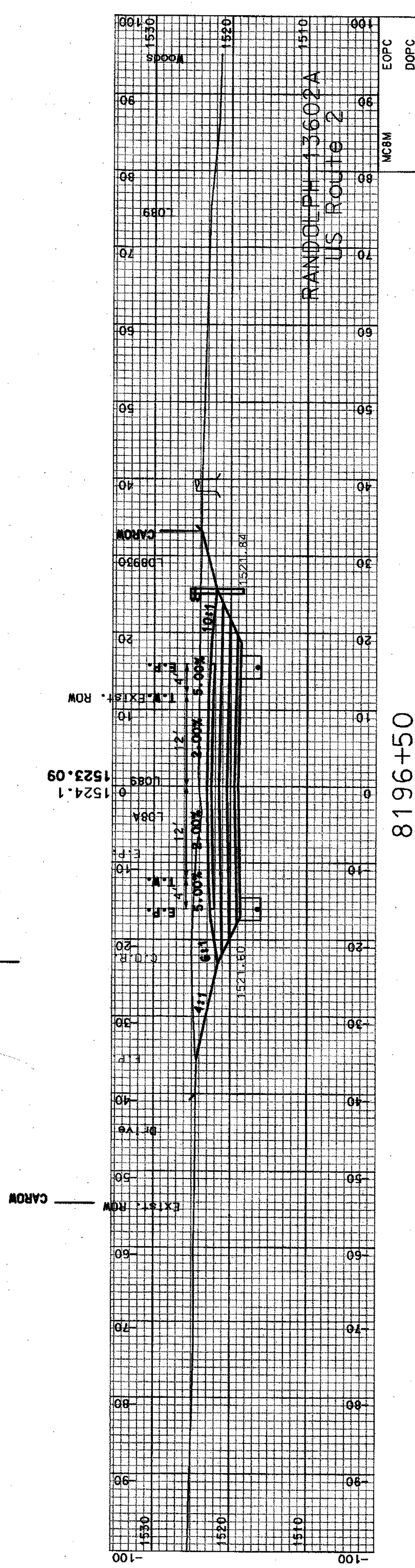
SDR PROCESSED CZR DATE JAN 2007
 NEW DESIGN NAME2 DATE DATE2
 SHEET CHECKED NAME3 DATE DATE3
 AS BUILT DETAILS DATE

NUMBER	DATE	STATION	DESCRIPTION

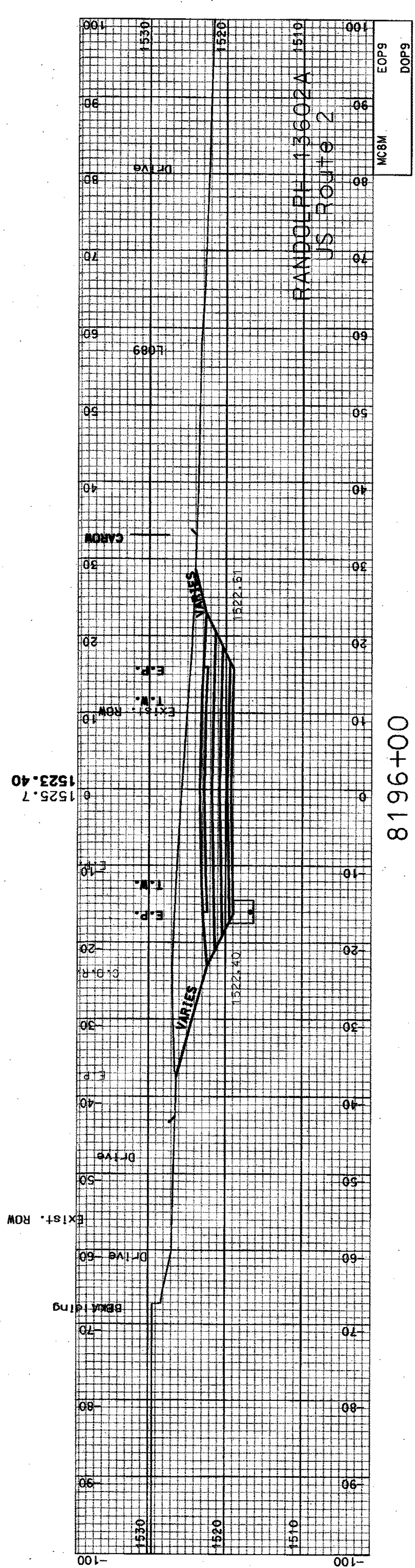
REVISIONS AFTER PROPOSAL
 STATION DESCRIPTION



8197+00



8196+50



8196+00

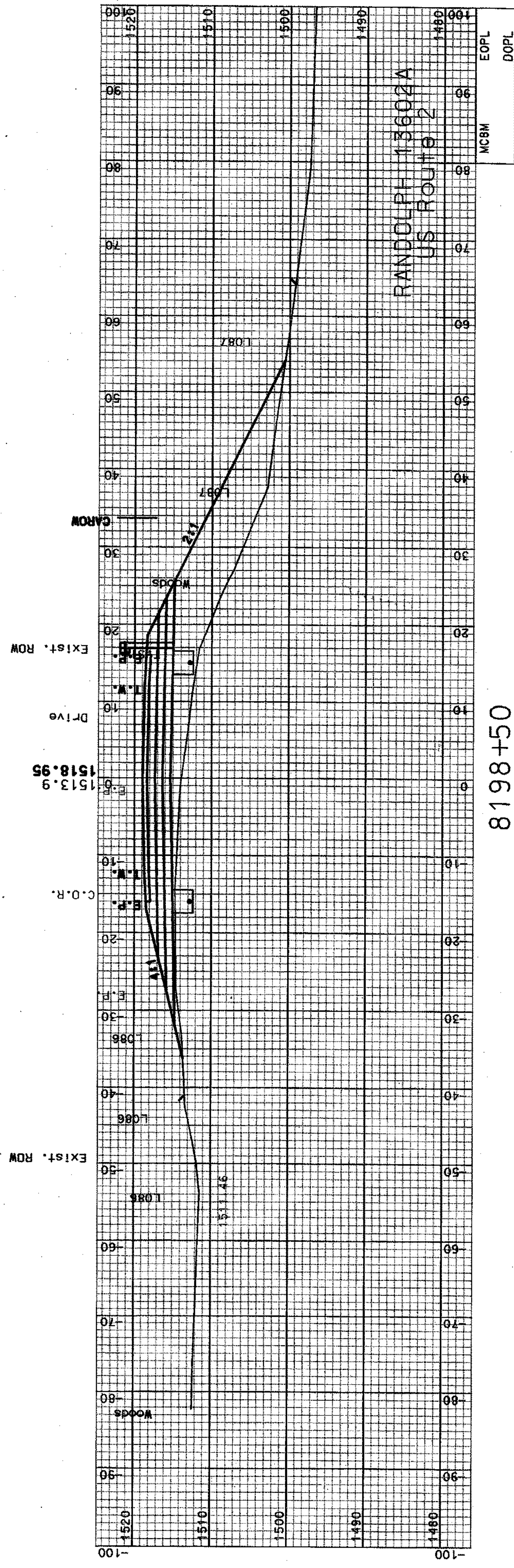


COMMON EXCAV.		SHEET TOTALS		ROCK EXCAV.		C.Y.	
FILL	DGN	1227.84	C.Y.	0	0	0	0
0	13602AXSA3	0	13602A	0	0	0	0
STATE PROJECT NO.		SHEET NO.		TOTAL SHEETS		DGN	
13602AXSA3		13602A		34		64	

SOR PROCESSED CZR DATE JAN 2007
 NEW DESIGN NAME2 DATE DATE2
 SHEET CHECKED NAME3 DATE DATE3
 AS BUILT DETAILS DATE

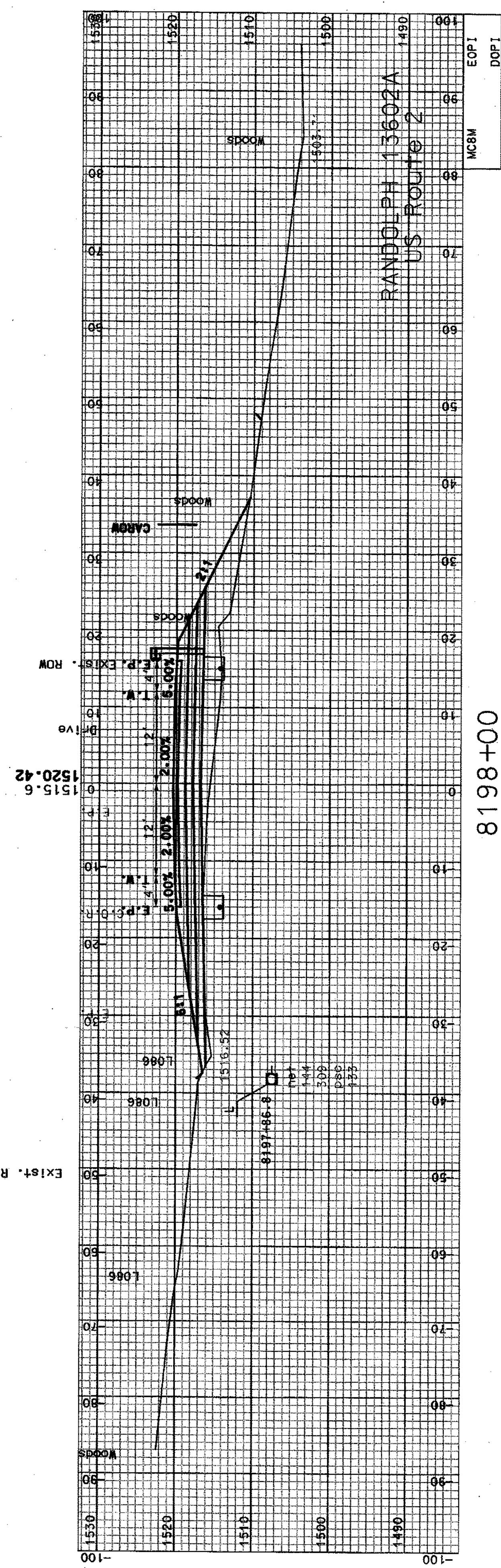
REVISIONS AFTER PROPOSAL
 NUMBER DATE STATION DESCRIPTION

← CARROW



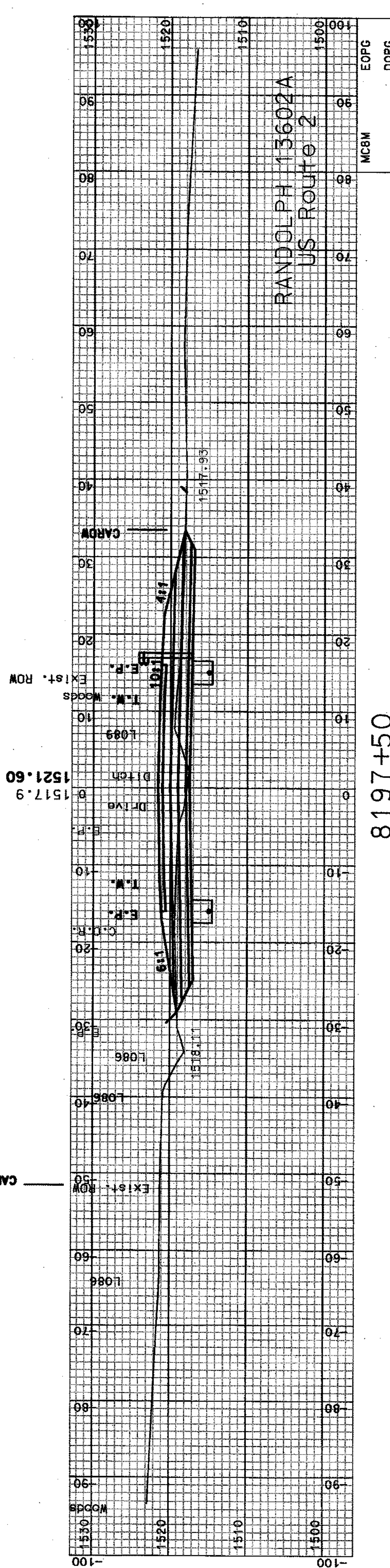
8198+50

← CARROW



8198+00

← CARROW



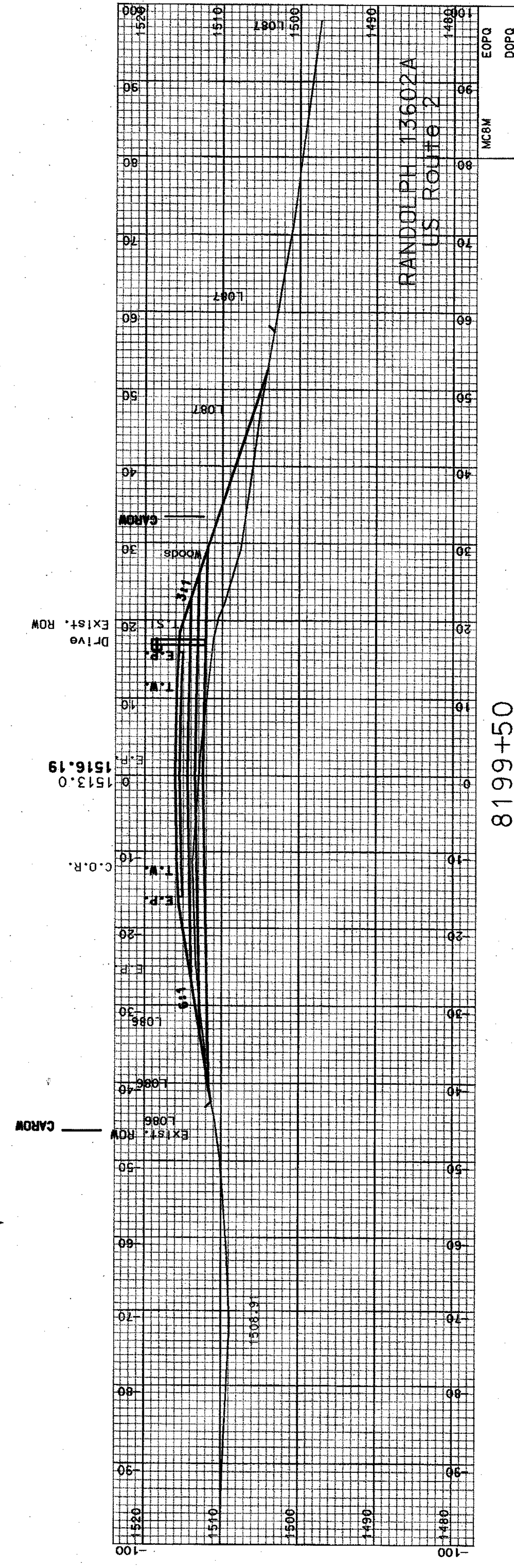
8197+50

←

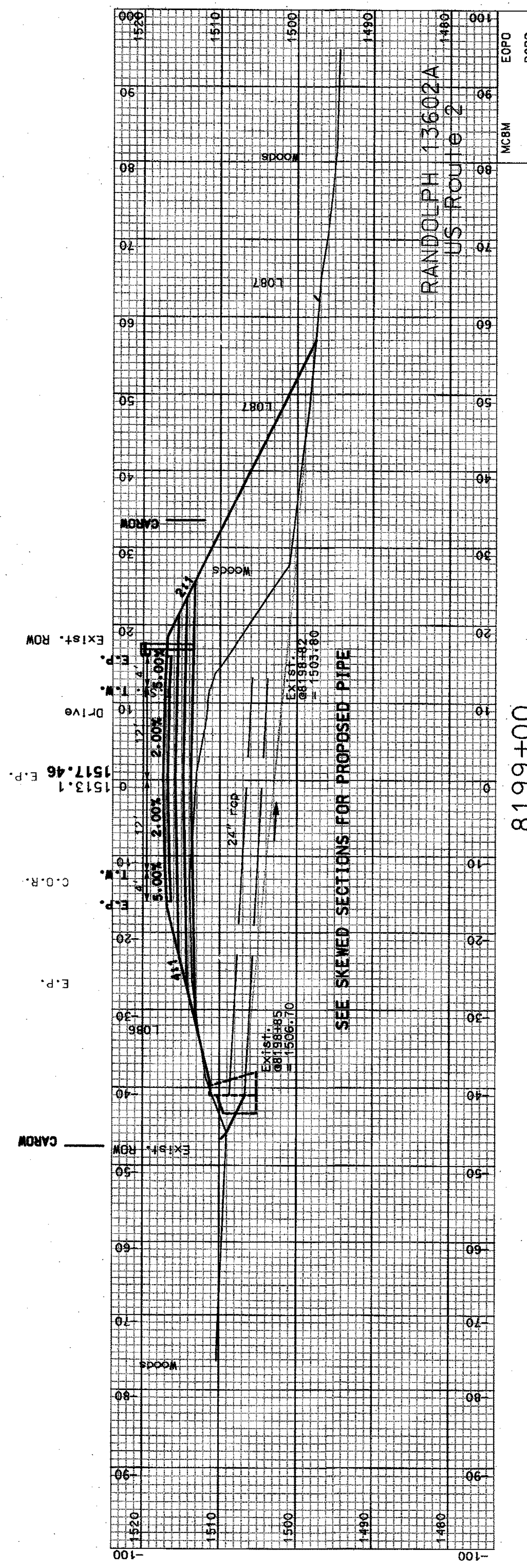
COMMON EXCAV.	141.15	SHEET TOTALS	0	C.Y.
FILL	420.80	ROCK EXCAV.	0	C.Y.
DGN	13602AXSA3	MUCK EXCAV.	0	C.Y.
STATE PROJECT NO.	13602A	SHEET NO.	35	TOTAL SHEETS
			64	

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE	STATION	DESCRIPTION



8199+50



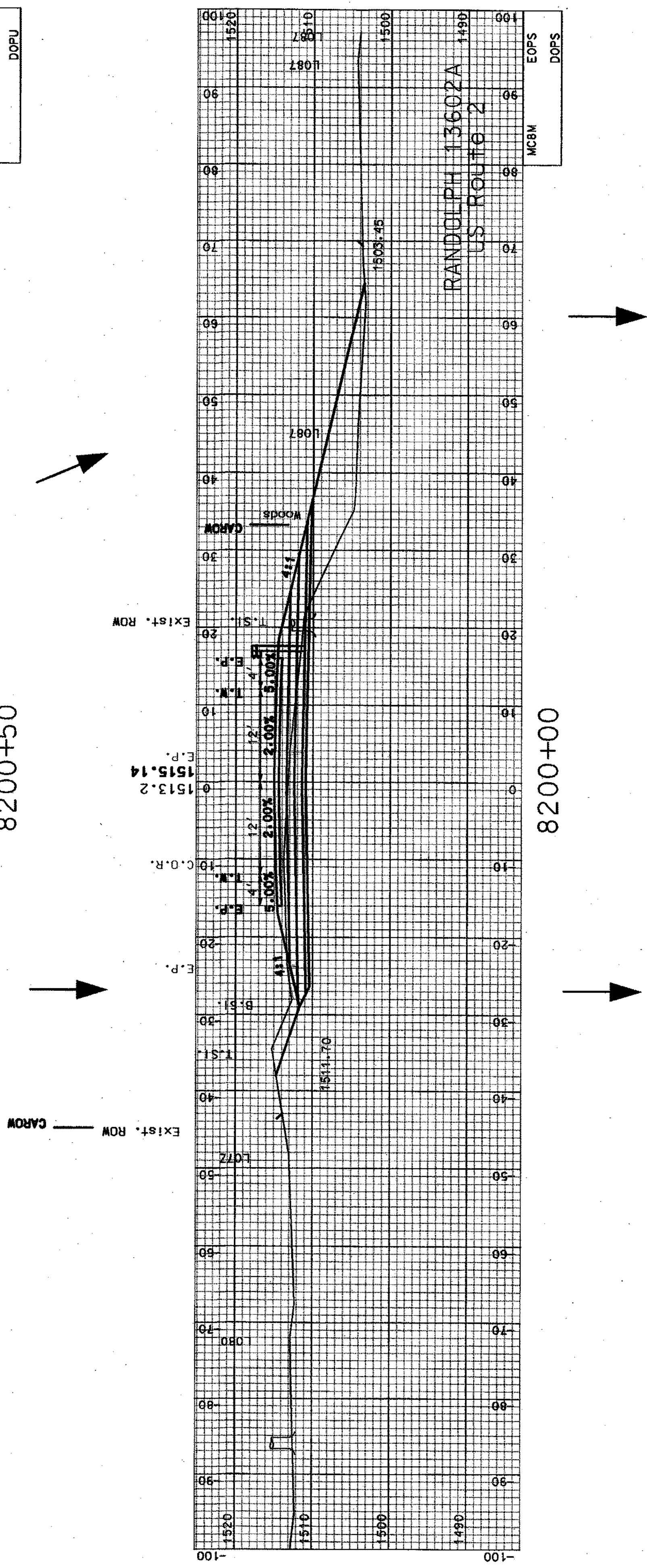
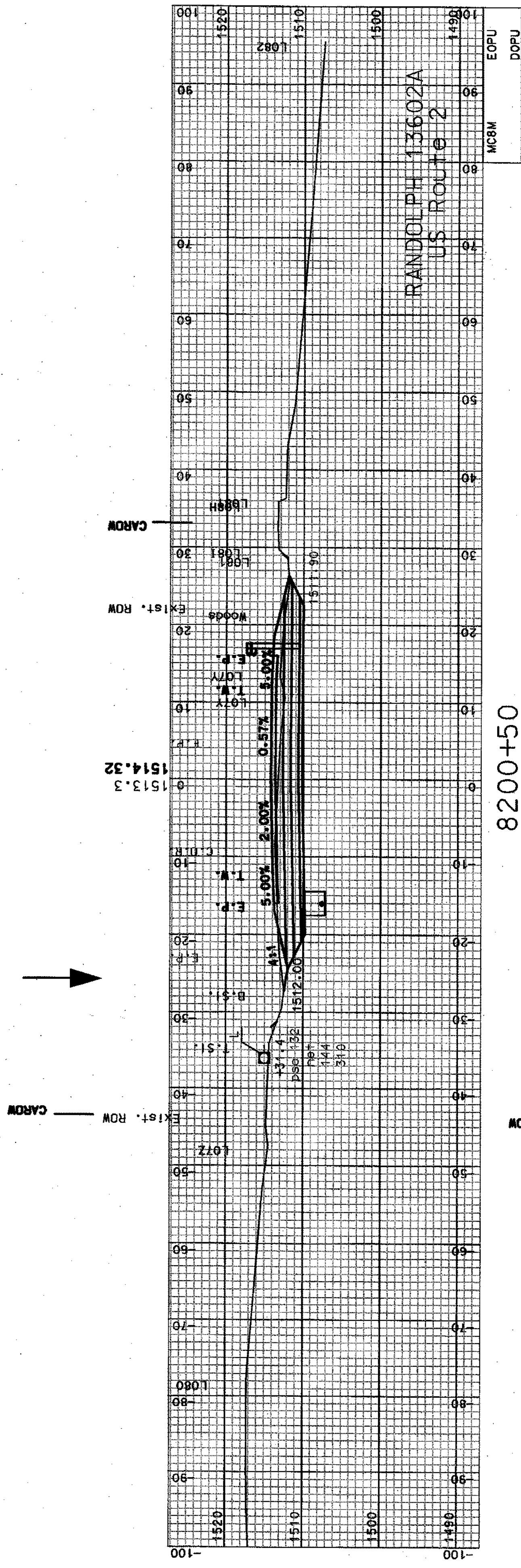
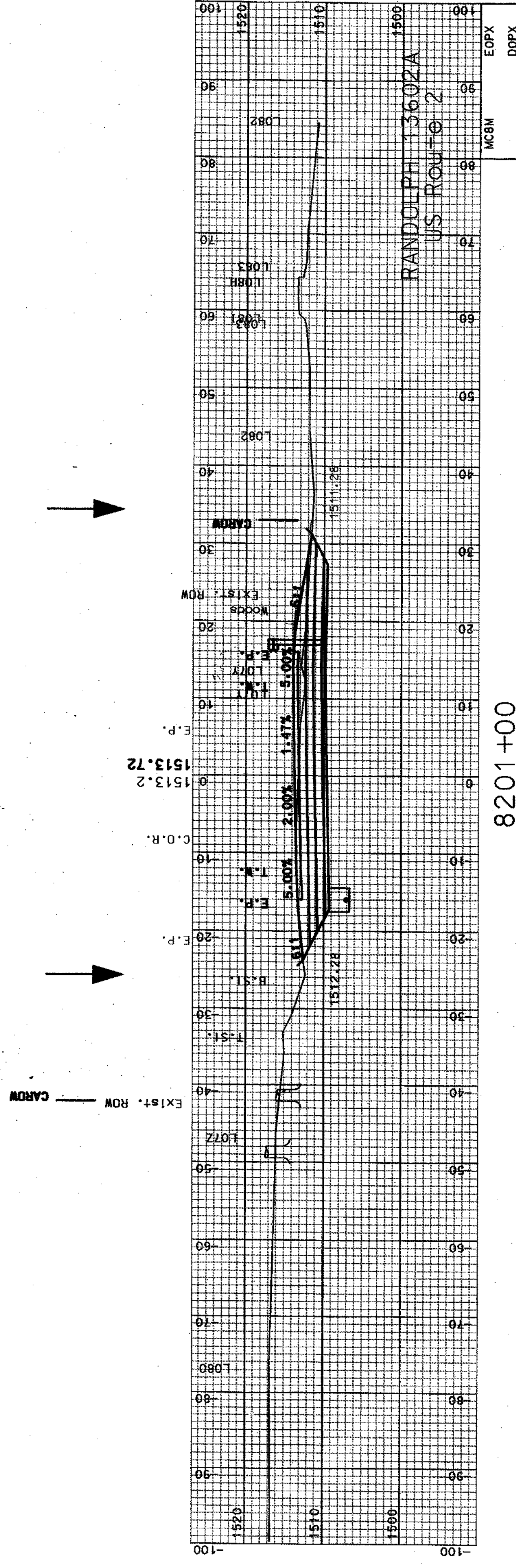
8199+00

SHEET TOTALS					
COMMON EXCAV.	201.20	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	875.10	C.Y.	MUCK EXCAV.	0	C.Y.
DON	13602AxsA3	STATE PROJECT NO.	13602A	SHEET NO.	36
				TOTAL SHEETS	64

SDR PROCESSED **CZR** DATE **JAN 2007**
 NEW DESIGN NAME2 DATE DATE2
 SHEET CHECKED NAME3 DATE DATE3
 AS BUILT DETAILS DATE

REVISIONS AFTER PROPOSAL

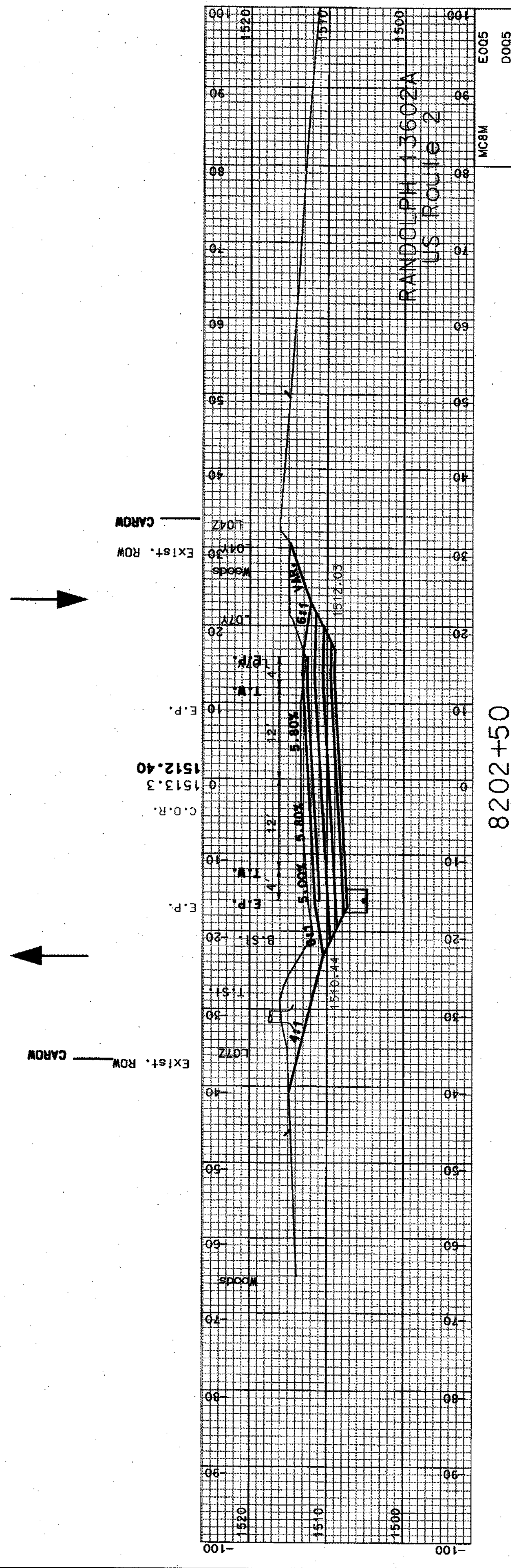
NUMBER	DATE	STATION	DESCRIPTION



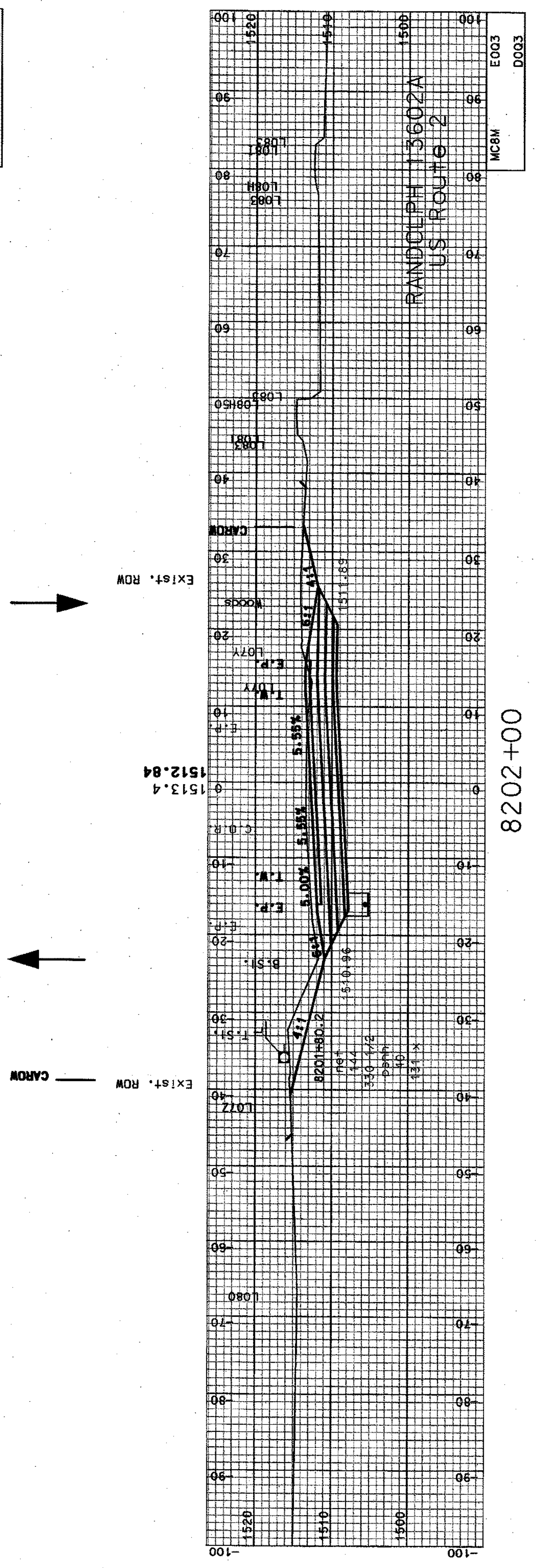
COMMON EXCAV.		SHEET TOTALS		ROCK EXCAV.		C.Y.	
876.51	C.Y.	0	C.Y.	0	C.Y.	0	C.Y.
FILL		C.Y.		MUCK EXCAV.		C.Y.	
239.42	C.Y.	0	C.Y.	0	C.Y.	0	C.Y.
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602AX8A3	13602A	37	64	13602AX8A3	13602A	37	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

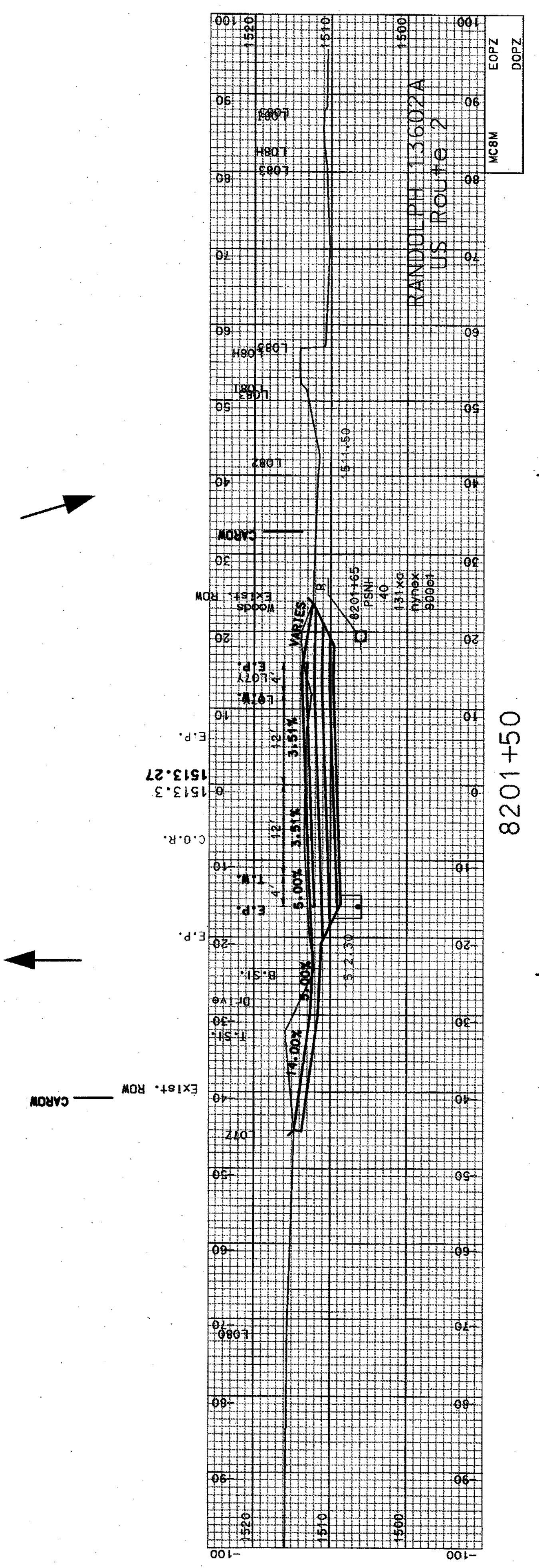
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE	STATION	DESCRIPTION



8202+50



8202+00

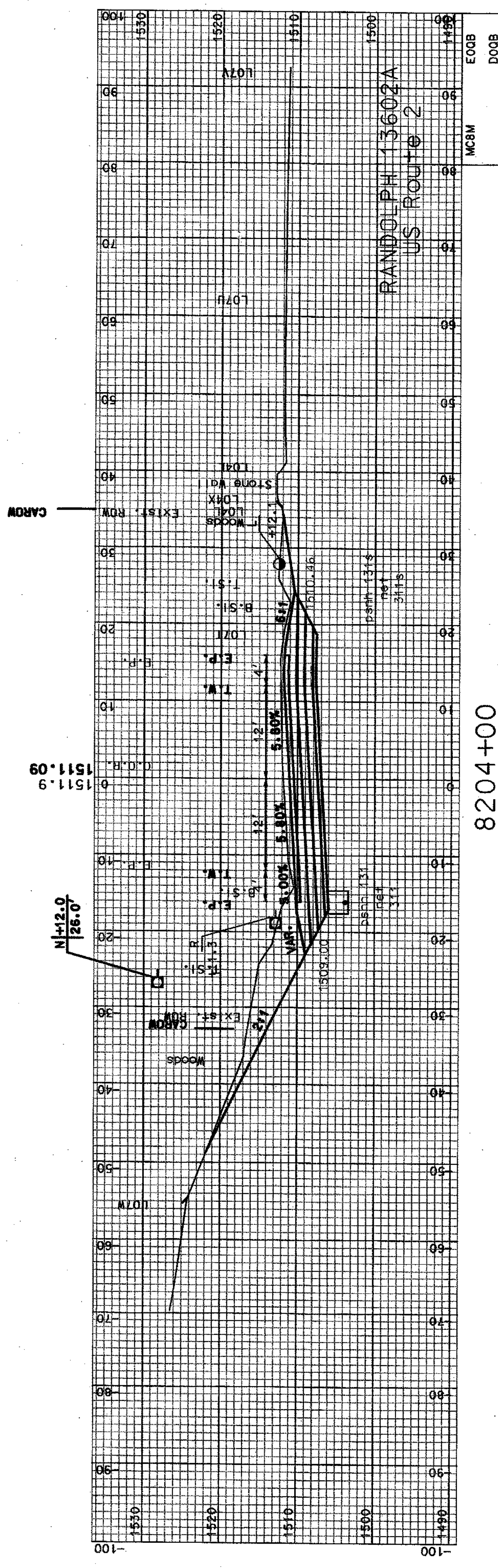


8201+50

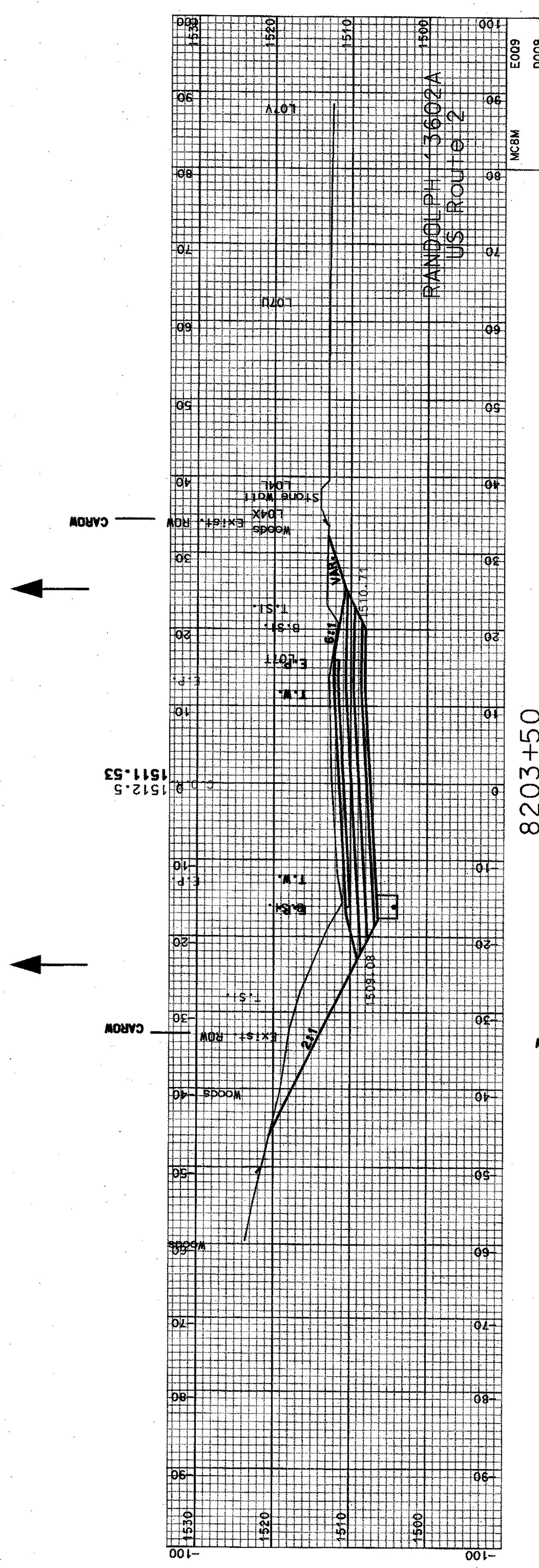
SHEET TOTALS		COMMON EXCAV.	1305.26	C.Y.	ROCK EXCAV.	0	C.Y.
FILL		0	C.Y.	MUCK EXCAV.	0	C.Y.	
DIN	STATE PROJECT NO.	13602A	SHEET NO.	38	TOTAL SHEETS	64	
DIN		13602A					

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

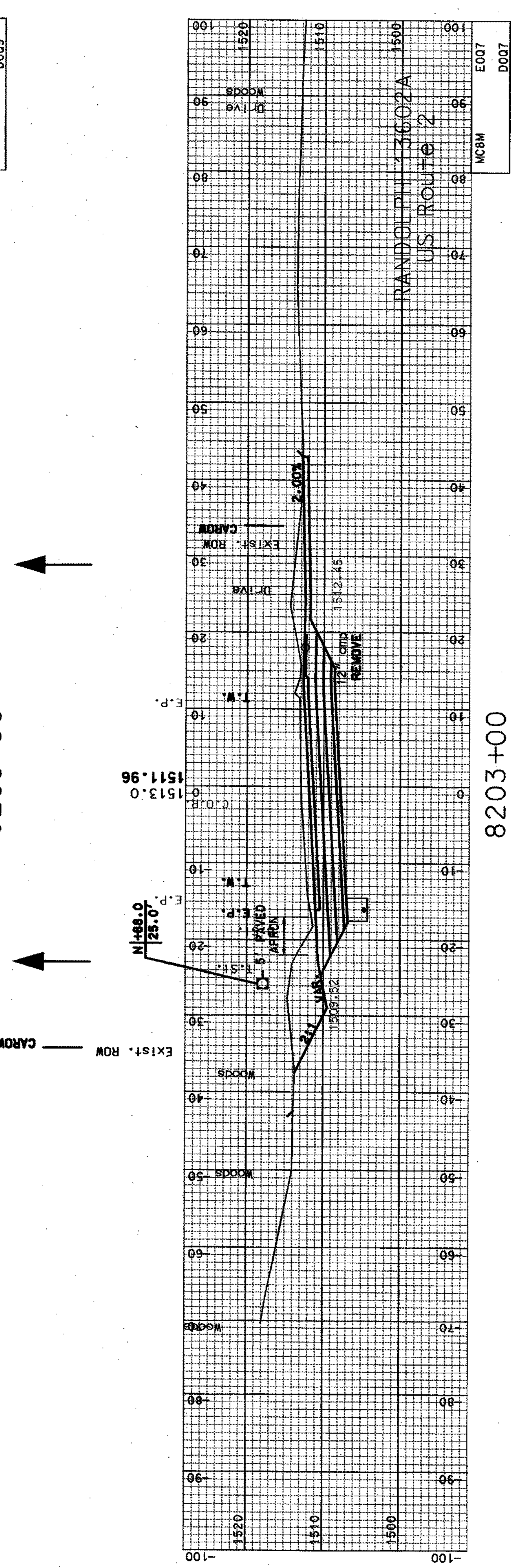
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8204+00



8203+50



8203+00

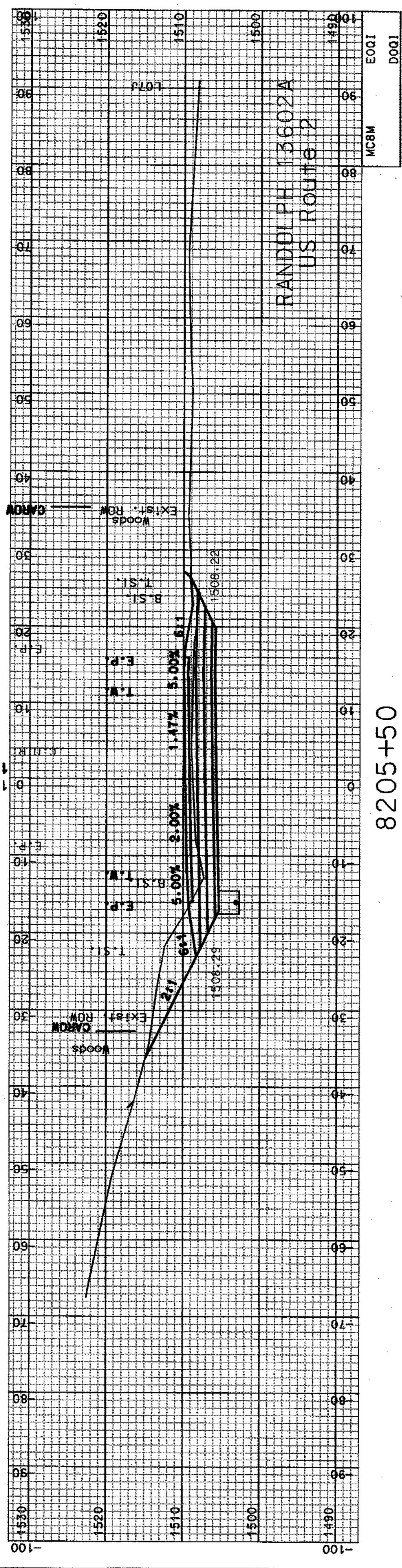
SHEET TOTALS					
COMMON EXCAV.	1585.24	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	0	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	13602AXSA3	STATE PROJECT NO.	13602A	SHEET NO.	39
				TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL			
NUMBER	DATE	STATION	DESCRIPTION



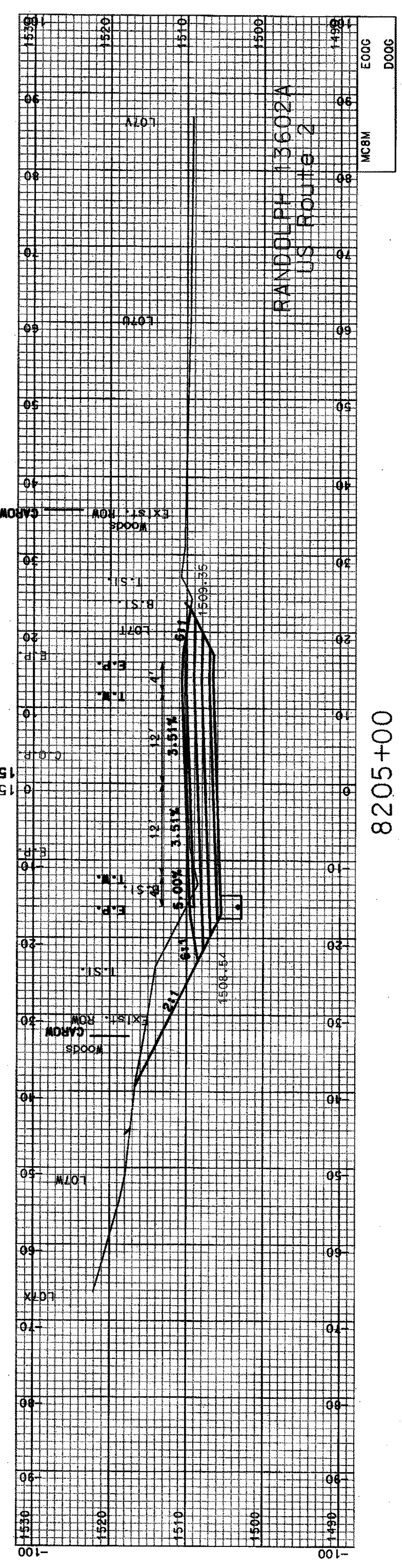
1508.8



8205+50



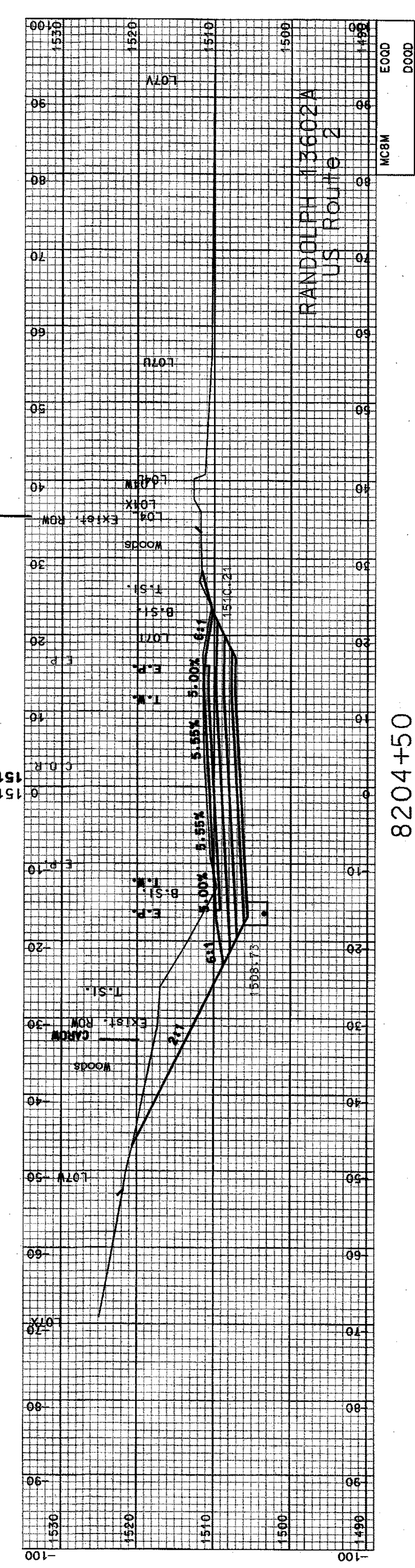
1510.21



8205+00



1511.1



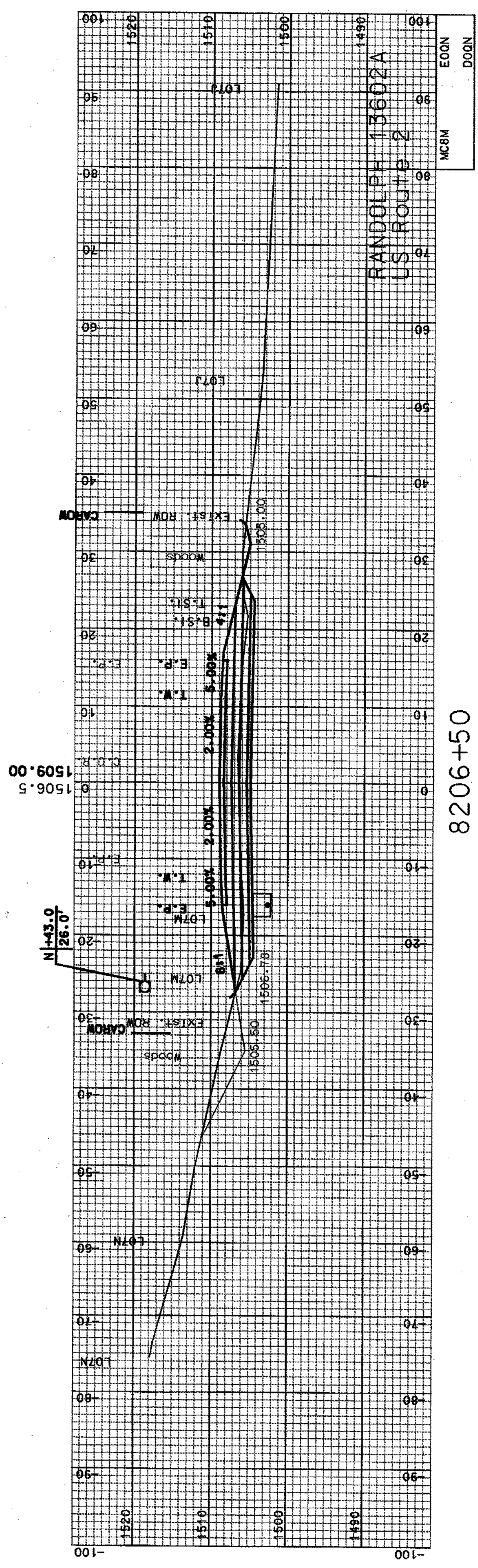
8204+50



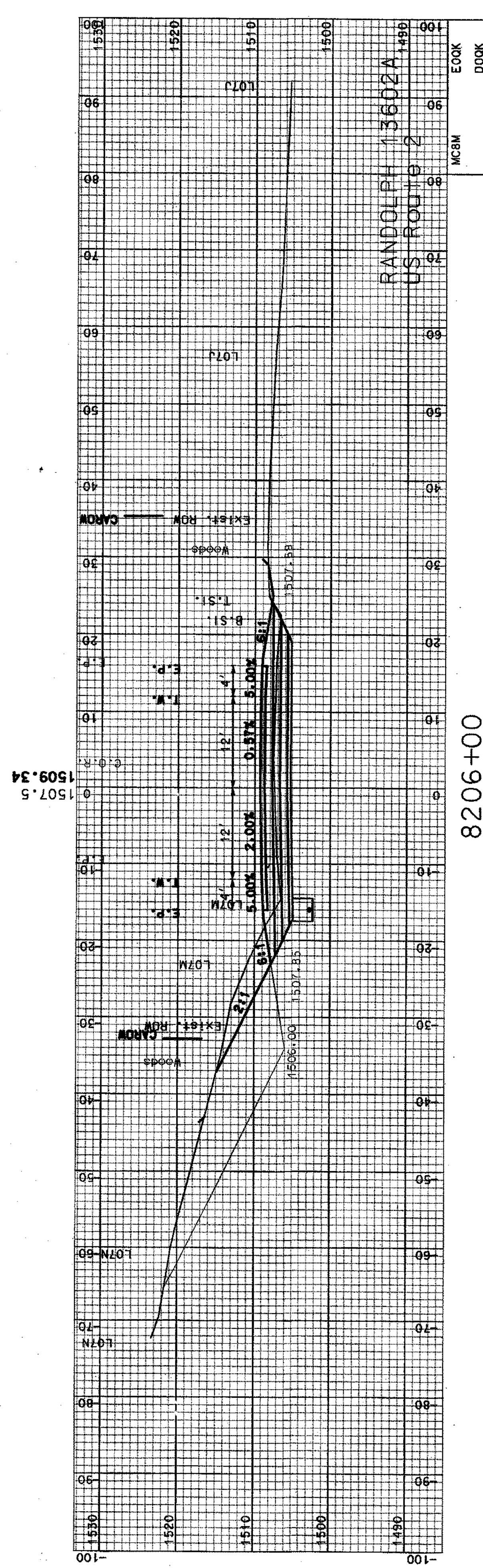
SHEET TOTALS			
COMMON EXCAV.	1085.43	C.Y.	0
FILL	0.20	C.Y.	0
ROCK EXCAV.		C.Y.	0
MUCK EXCAV.		C.Y.	0
DON		STATE PROJECT NO.	13602A
		SHEET NO.	40
		TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL			
NUMBER	DATE	STATION	DESCRIPTION



8206+50



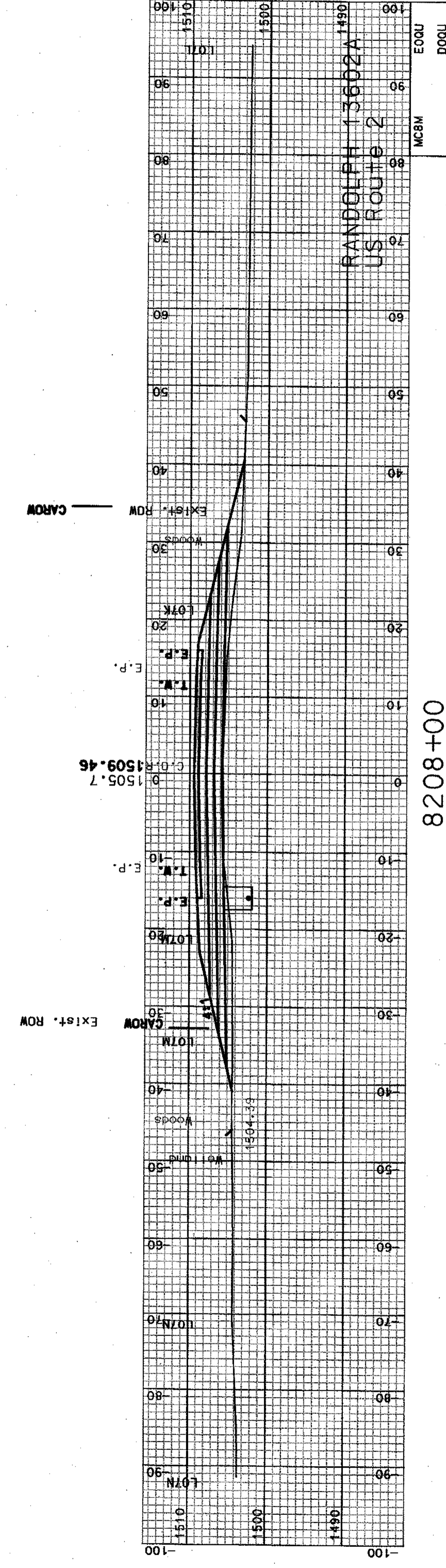
8206+00



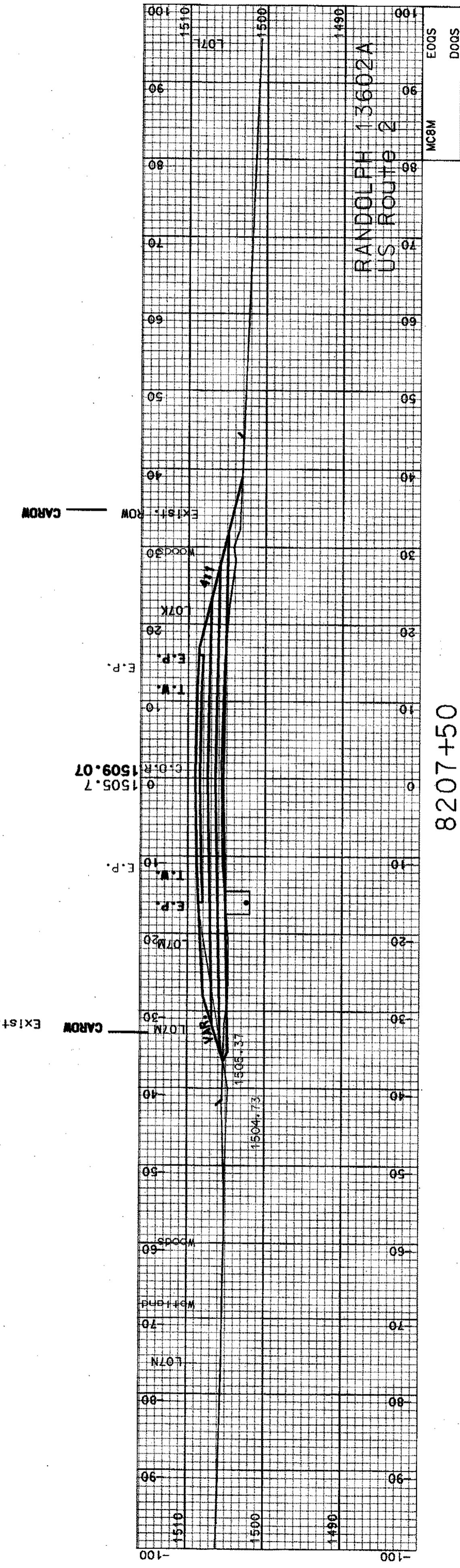
COMMON EXCAV.		270.24		C.Y.		ROCK EXCAV.		0		C.Y.	
FILL		0.89		C.Y.		MUCK EXCAV.		0		C.Y.	
DSN	13602A XSA4	STATE PROJECT NO.	13602A	SHEET NO.	41	TOTAL SHEETS	64				

SOR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

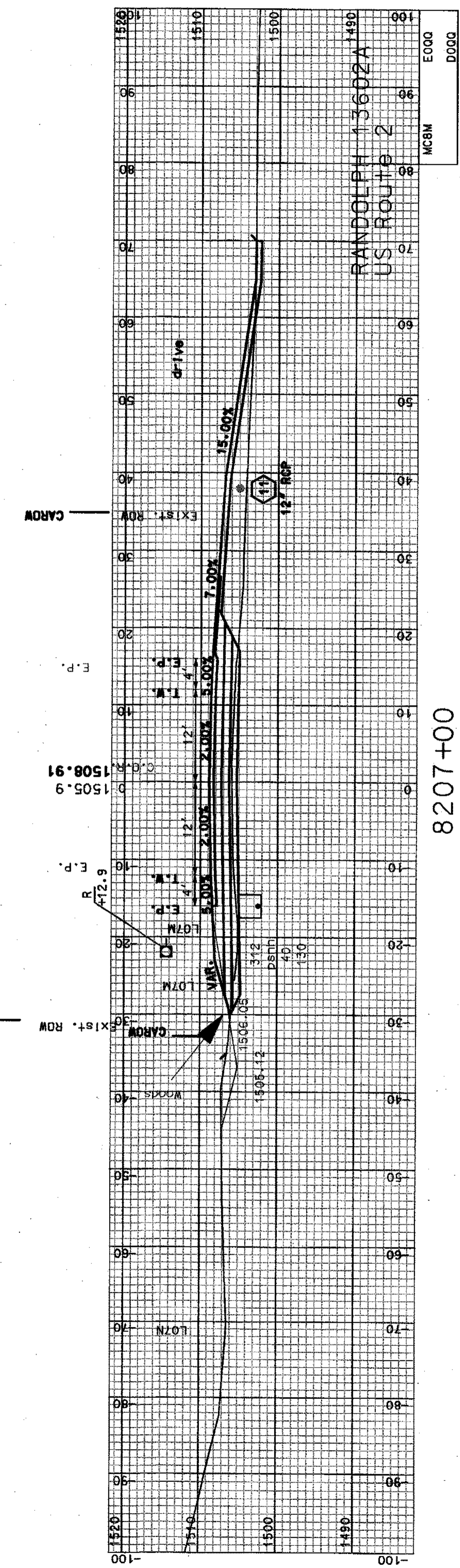
REVISIONS AFTER PROPOSAL	
NUMBER	DATE
STATION	DESCRIPTION



8208+00



8207+50

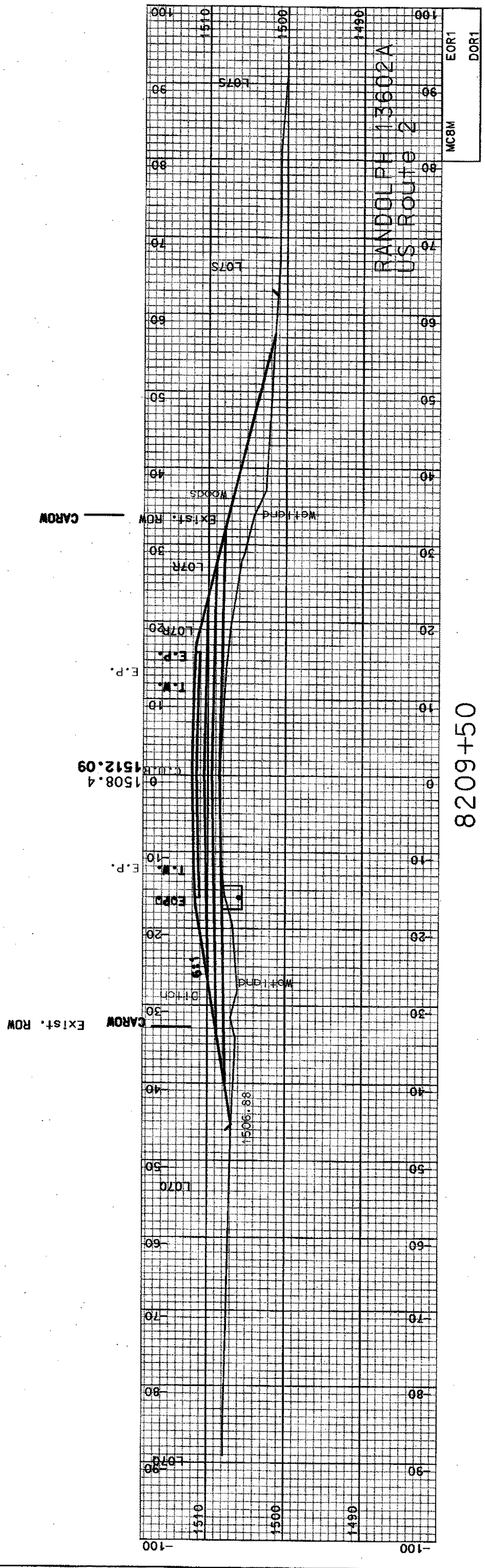


8207+00

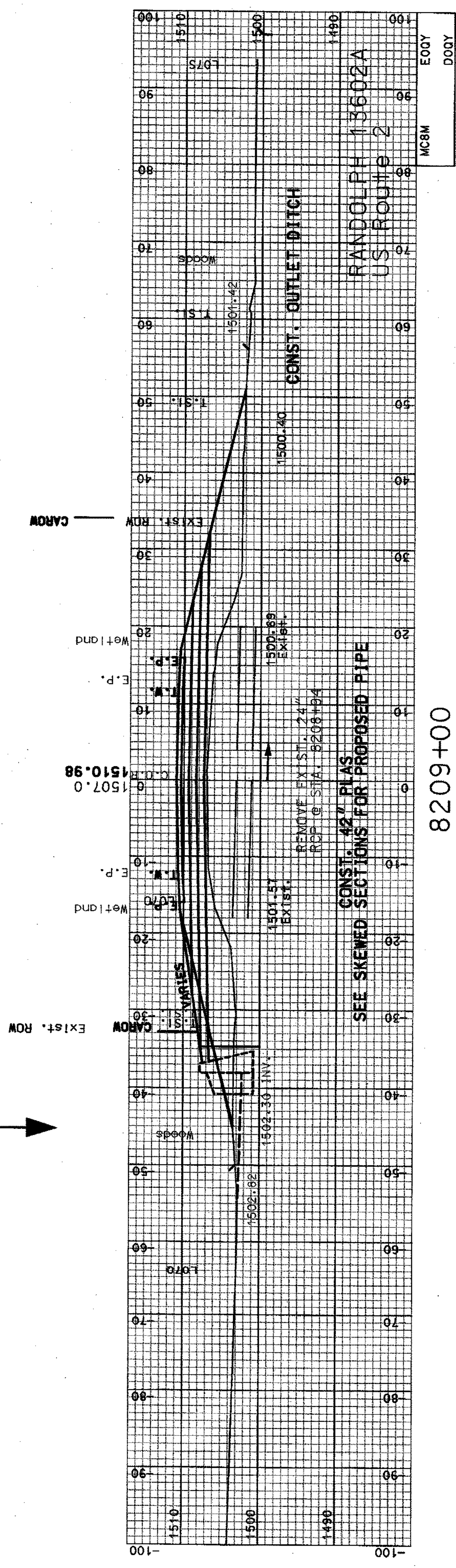
COMMON EXCAV.	87.29	SHEET TOTALS	0	C.Y.
FILL	103.64	C.Y.	0	C.Y.
DON		STATE PROJECT NO.	13602A	SHEET NO.
				42
				TOTAL SHEETS
				64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

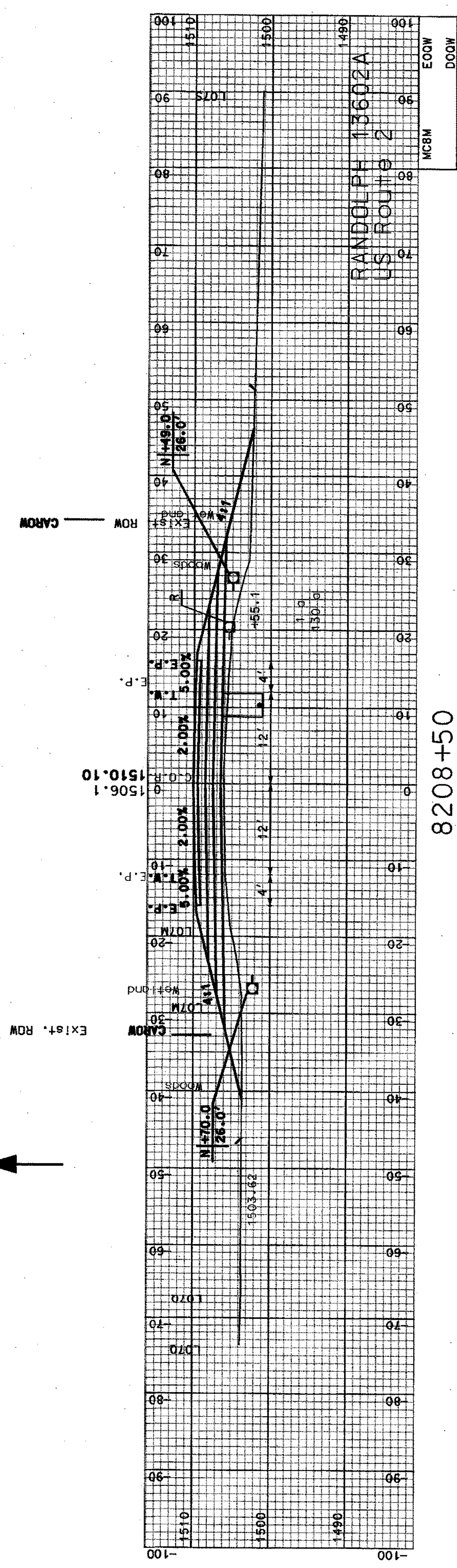
REVISIONS AFTER PROPOSAL	
NUMBER	DATE
STATION	DESCRIPTION



8209+50



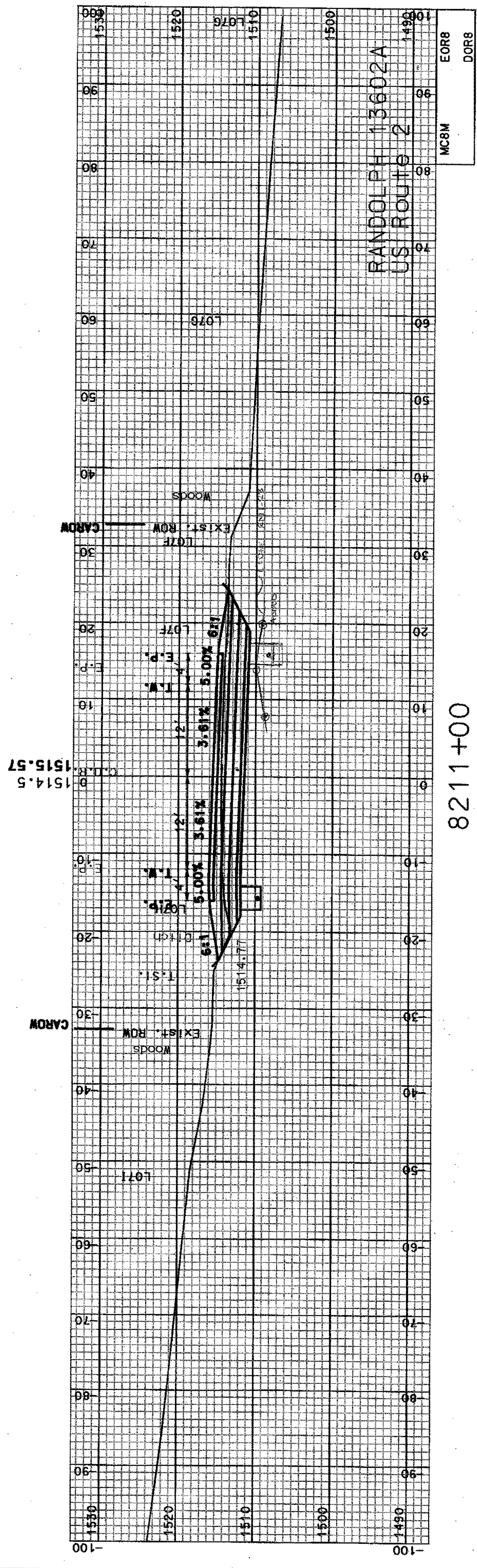
8209+00



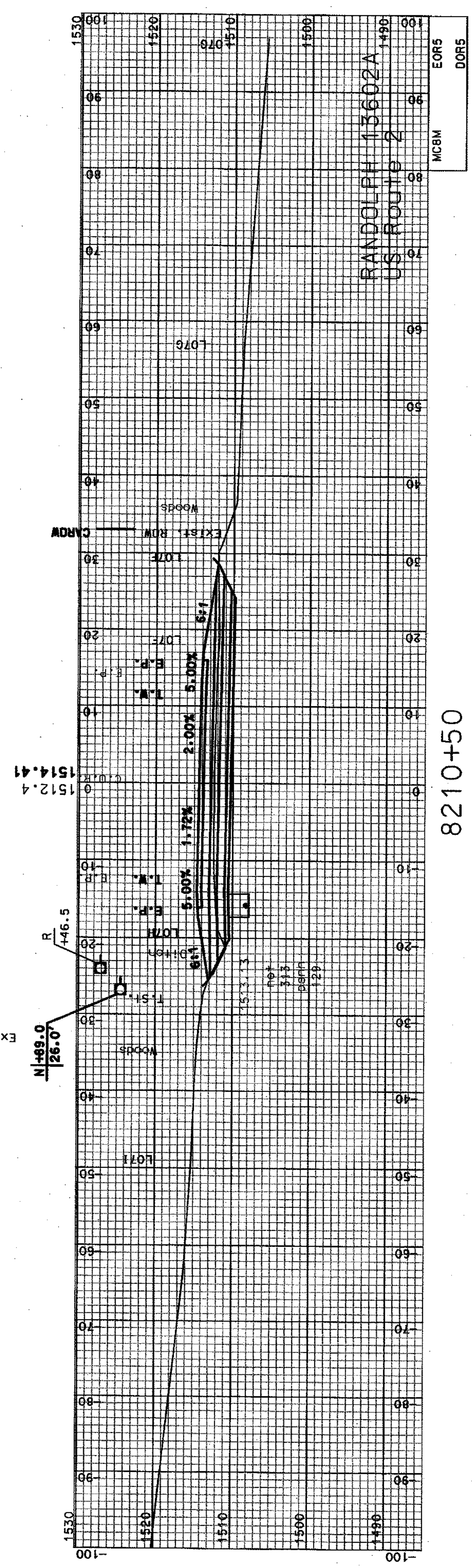
8208+50

COMMON EXCAV.	82.52	SHEET TOTALS	0	C.Y.
FILL	172.25	ROCK EXCAV.	0	C.Y.
DGN	13602AXSA4	MUCK EXCAV.	0	C.Y.
STATE PROJECT NO.	13602A	SHEET NO.	43	TOTAL SHEETS
			43	64

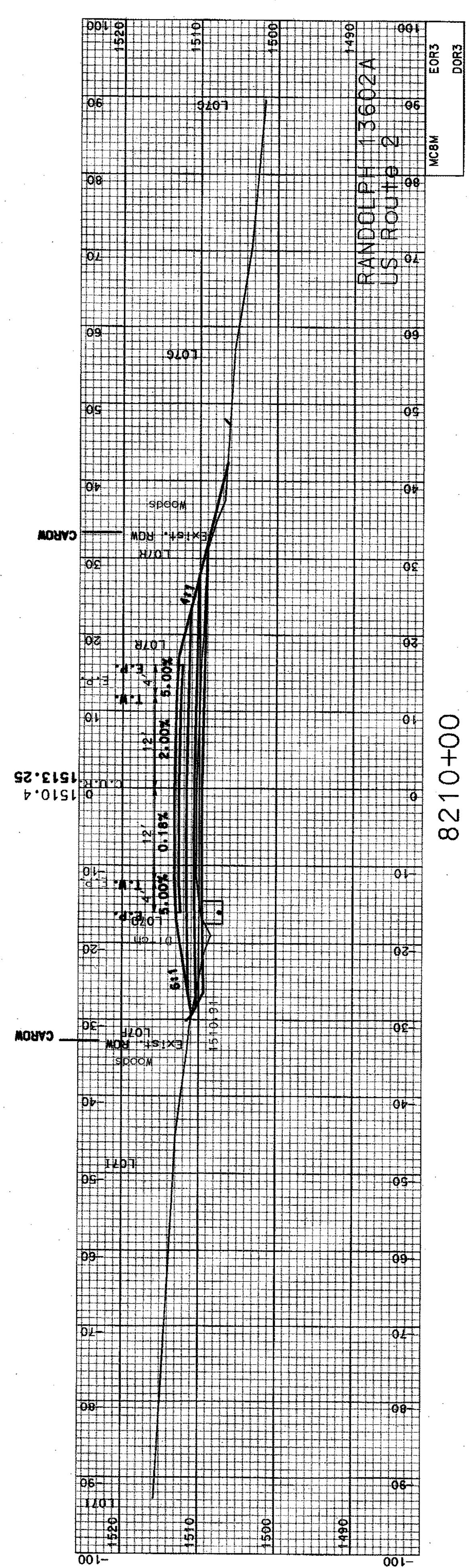
SDR PROCESSED	CZR	DATE	JAN 2007	REVISIONS AFTER PROPOSAL	DESCRIPTION
NEW DESIGN	NAME2	DATE	DATE2	STATION	
SHEET CHECKED	NAME3	DATE	DATE3	NUMBER	DATE
AS BUILT DETAILS		DATE		STATION	



8211+00



8210+50

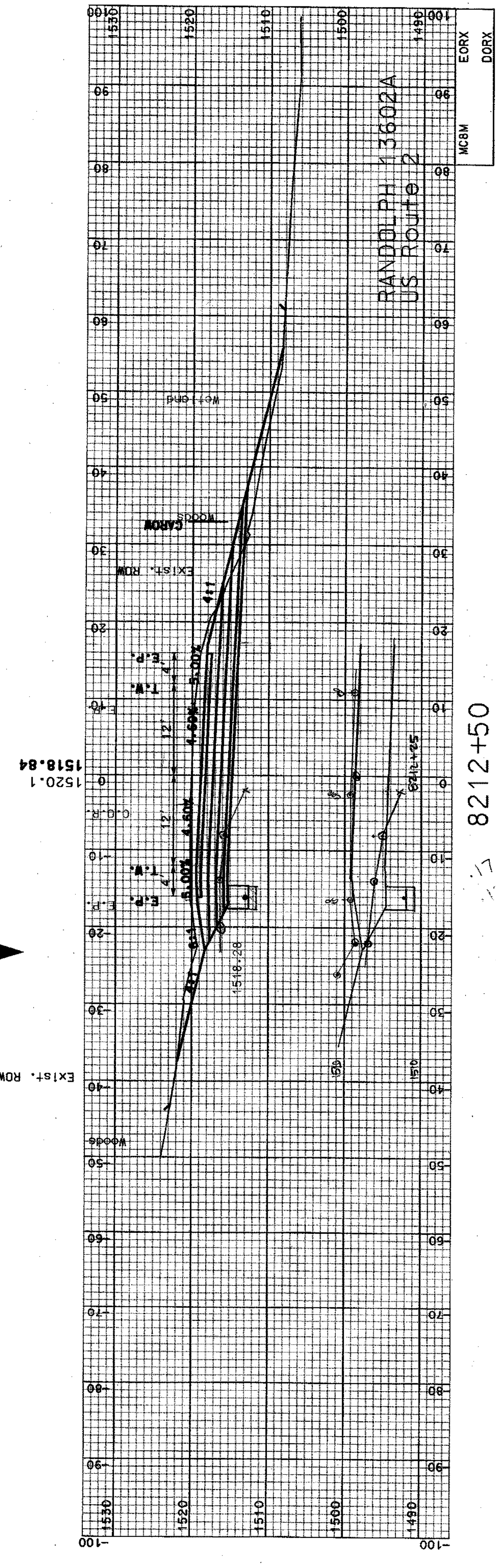


8210+00

SHEET TOTALS		COMMON EXCAV.	578.10	C.Y.	ROCK EXCAV.	0	C.Y.
		FILL	147.39	C.Y.	MUCK EXCAV.	0	C.Y.
DN	13602Axs44	STATE PROJECT NO.	13602A	SHEET NO.	44	TOTAL SHEETS	64

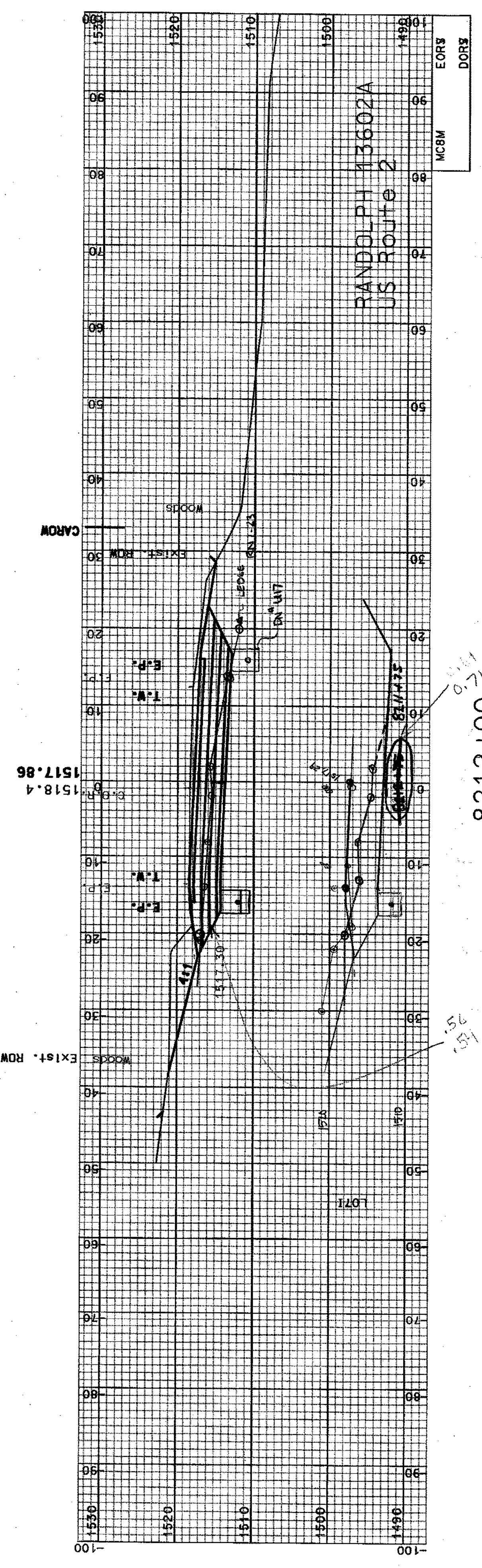
SDP PROCESSED			DATE JAN 2007			REVISIONS AFTER PROPOSAL		
NEW DESIGN NAME2	DATE DATE2	STATION	NUMBER	DATE	STATION	DESCRIPTION	STATION	DESCRIPTION
SHEET CHECKED NAME3	DATE DATE3							
AS BUILT DETAILS								

WOODS
EXIST. ROW — CARROW



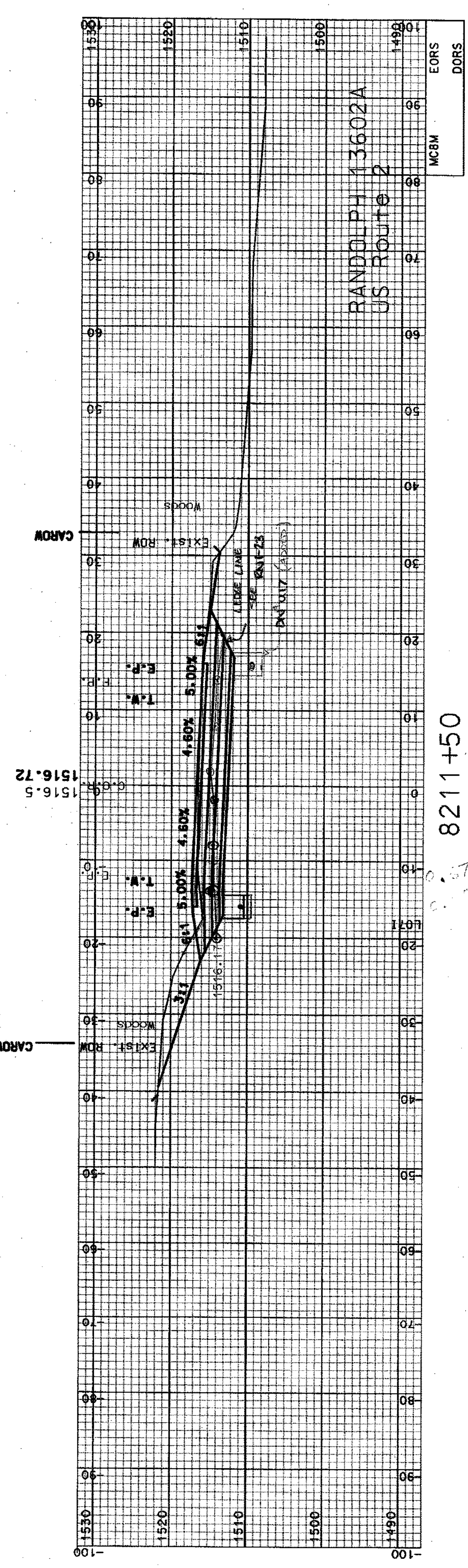
1518.84
8212+50

WOODS
EXIST. ROW — CARROW



1517.86
8212+00

WOODS
EXIST. ROW — CARROW

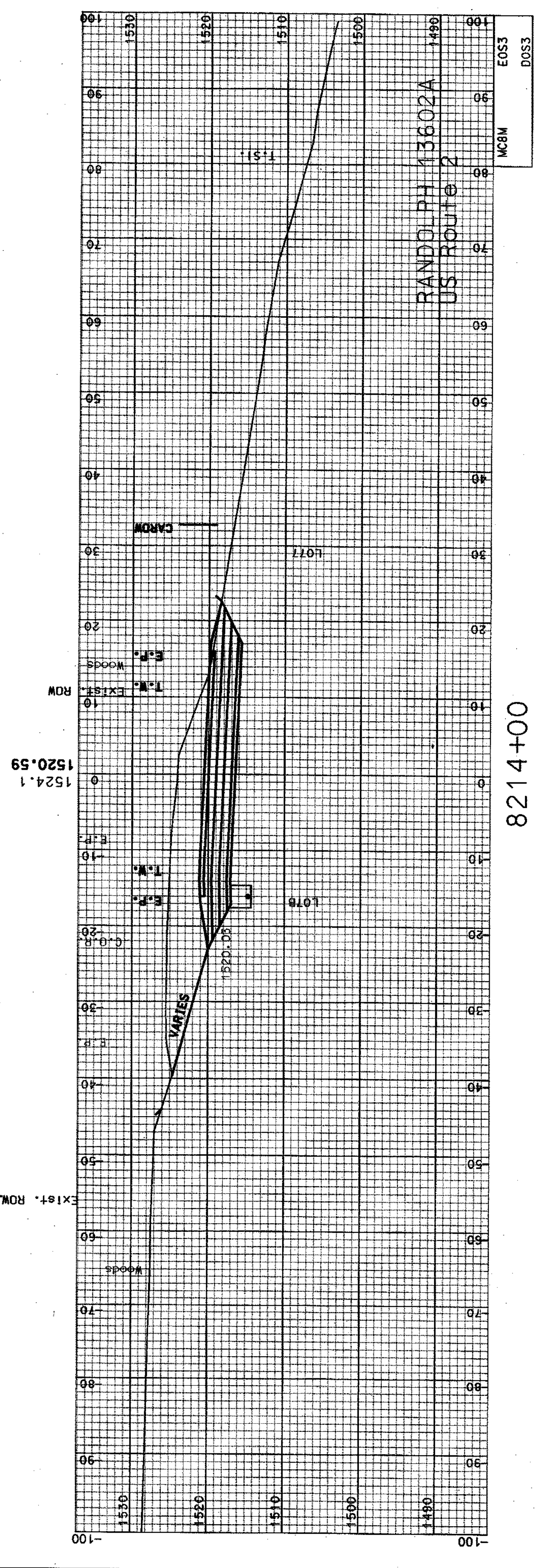


1516.72
8211+50

COMMON EXCAV.		SHEET TOTALS		DON	
1254.48	0	1254.48	0	13602AXSA4	45
FILL	18.20	C.Y.	18.20	STATE PROJECT NO.	13602A
BACK EXCAV.	0	C.Y.	0	SHEET NO.	64
MUCK EXCAV.	0	C.Y.	0	TOTAL SHEETS	64

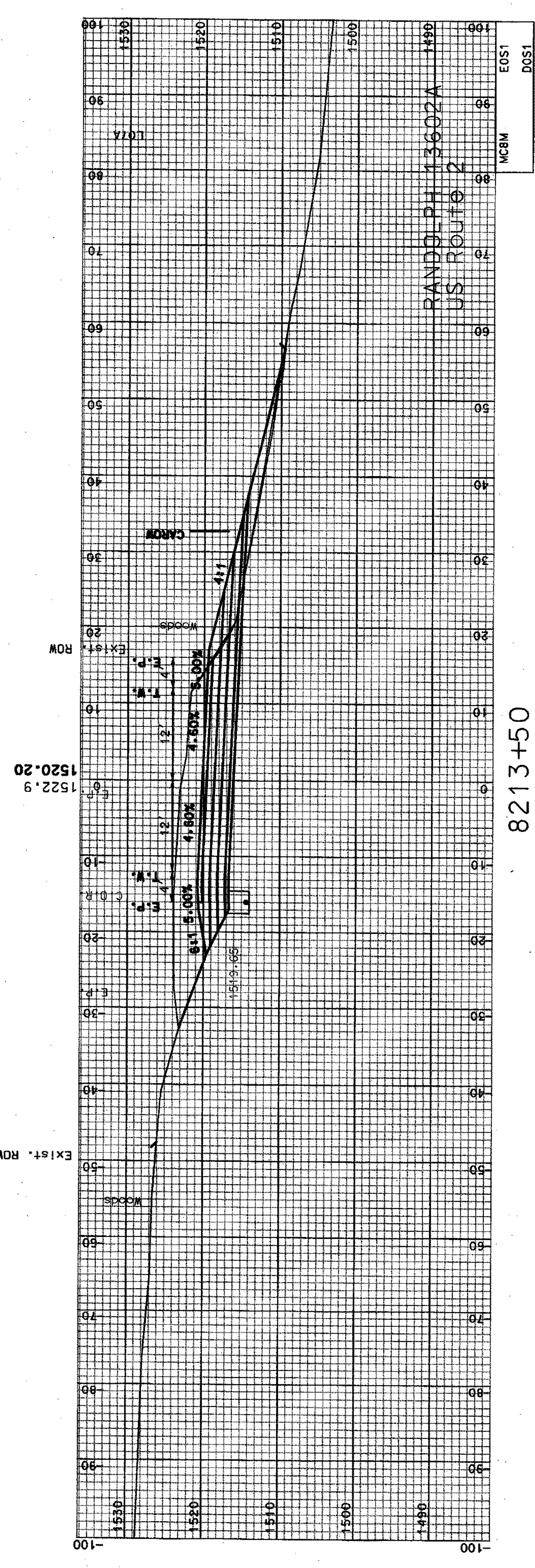
SDR PROCESSED		CZR	DATE	JAN 2007	REVISIONS AFTER PROPOSAL	
NEW DESIGN		NAME2	DATE	DATE2	STATION	DESCRIPTION
SHEET CHECKED		NAME3	DATE	DATE3	NUMBER	DATE
AS BUILT DETAILS			DATE			

EXIST. ROW — CAROM



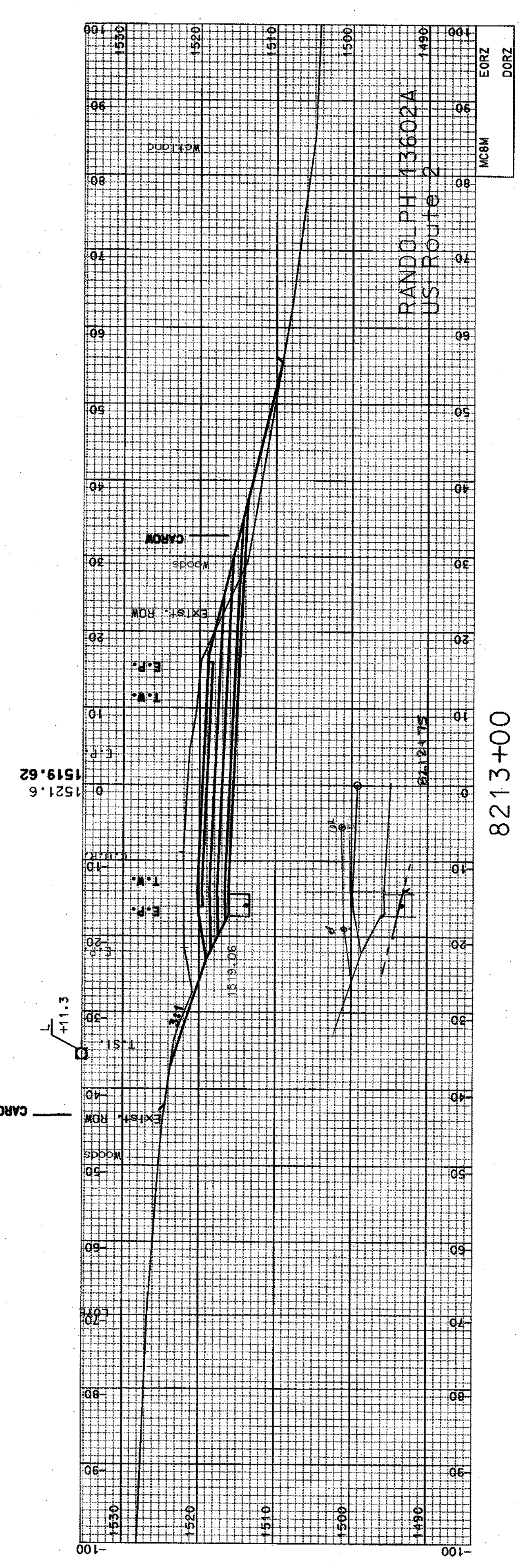
8214+00

EXIST. ROW — CAROM



8213+50

EXIST. ROW — CAROM

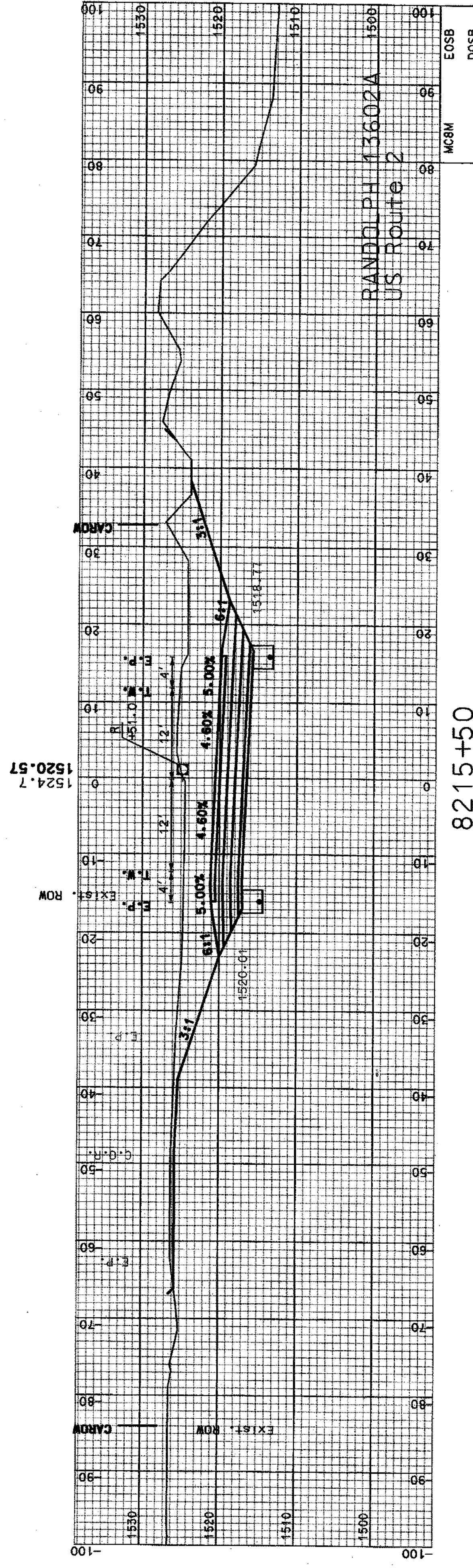


8213+00

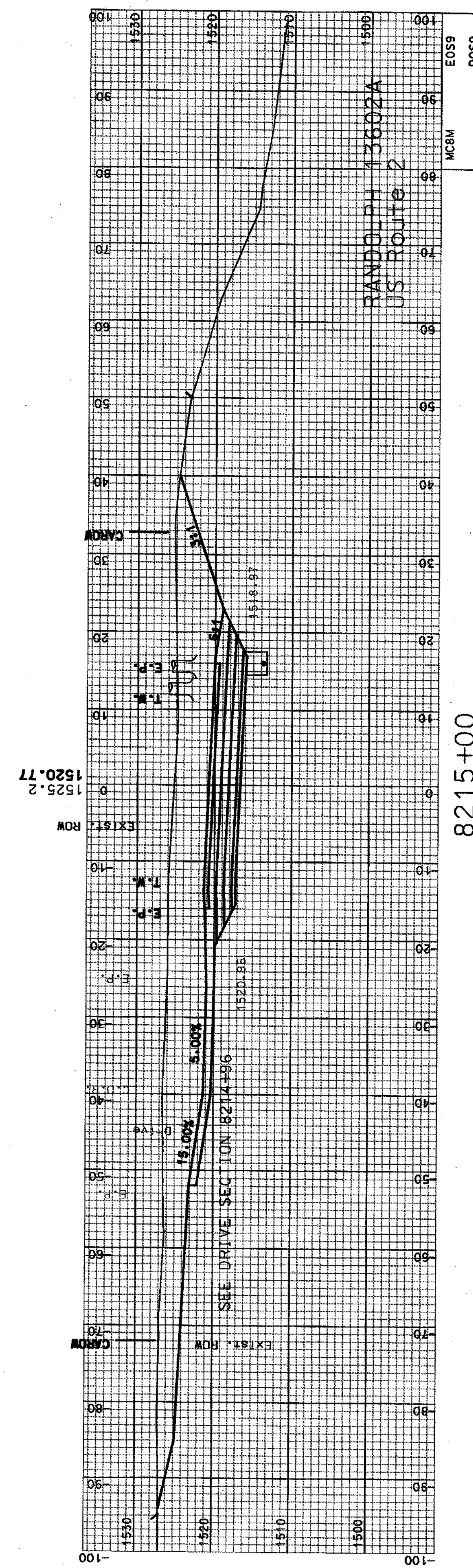
SHEET TOTALS	
COMMON EXCAV.	1689.61 C.Y.
ROCK EXCAV.	0 C.Y.
FILL	101.34 C.Y.
MUCK EXCAV.	0 C.Y.
DON	STATE PROJECT NO. 13602A
13602AXSA4	SHEET NO. 46
	TOTAL SHEETS 64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

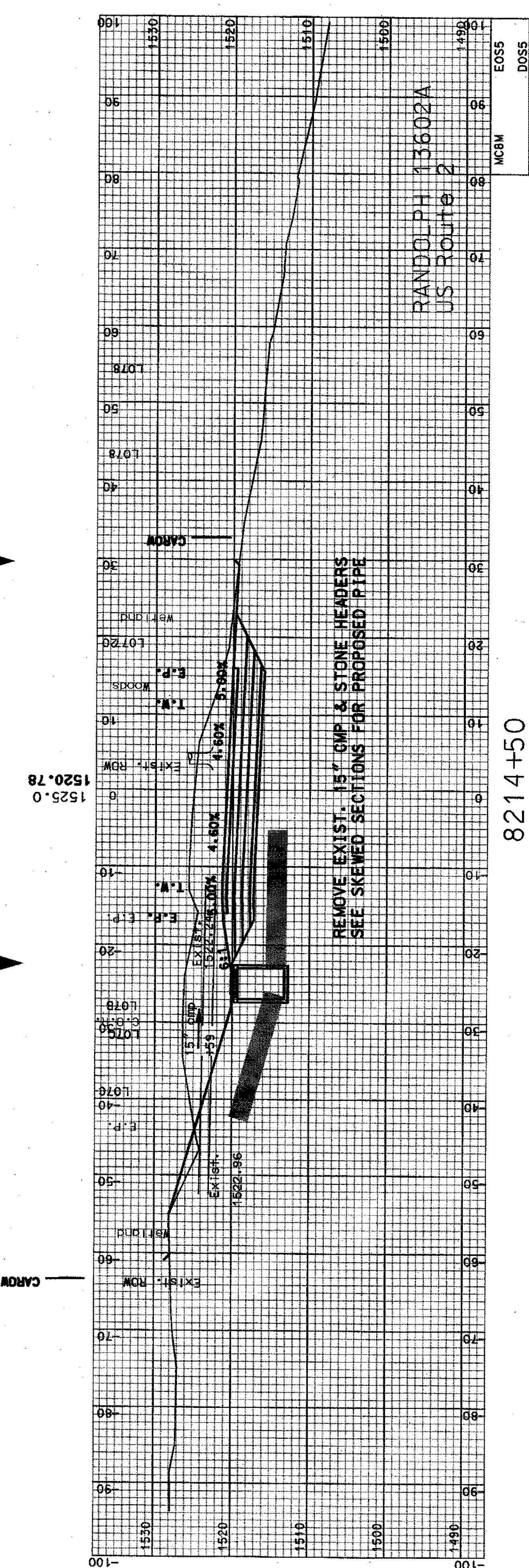
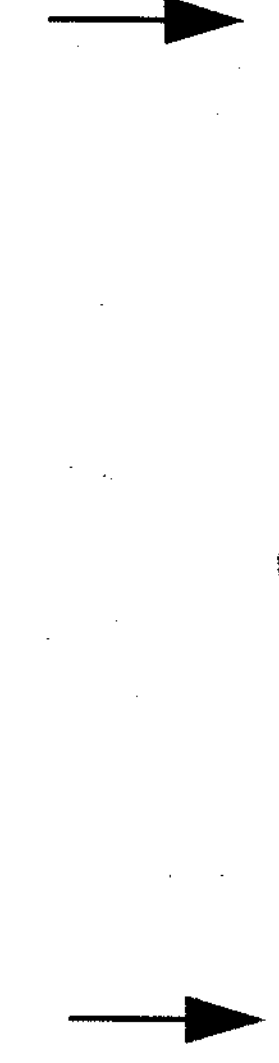
NUMBER	DATE	STATION	DESCRIPTION



8215+50



8215+00



8214+50



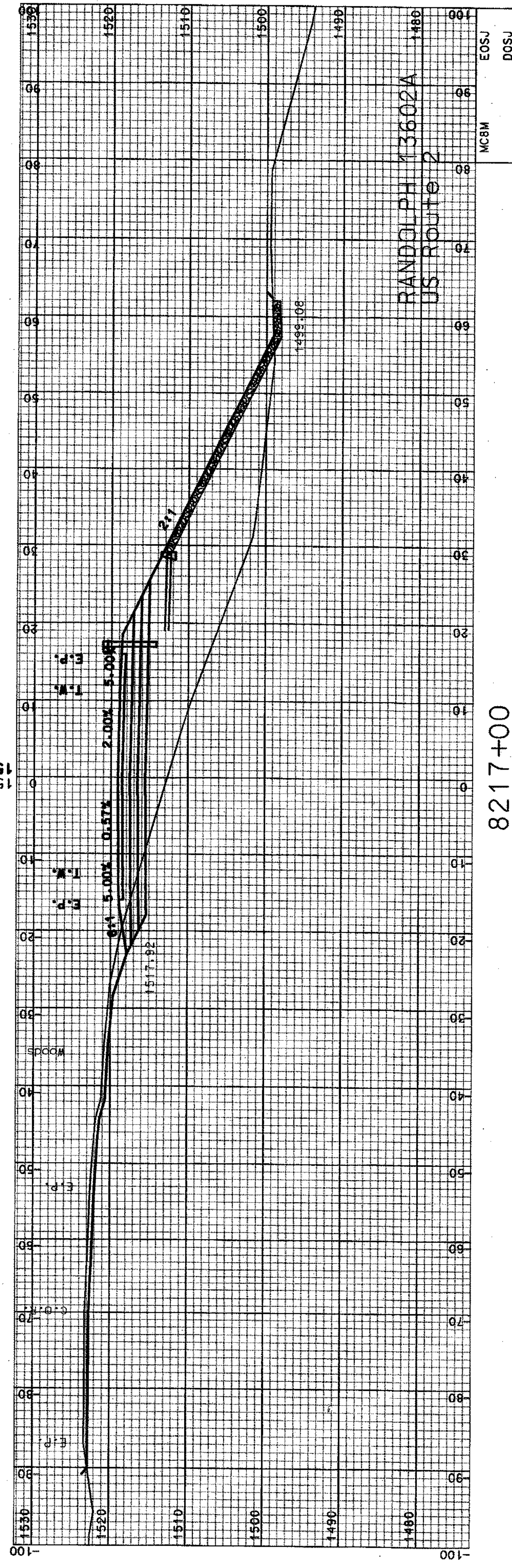
COMMON EXCAV.	2,501.35	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	4.80	C.Y.	MUCK EXCAV.	0	C.Y.
DCN	13602AX644	STATE PROJECT NO.	13602A	SHEET NO.	47
				TOTAL SHEETS	64

SOR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

NUMBER	DATE	STATION	DESCRIPTION



1519.15
1512.7

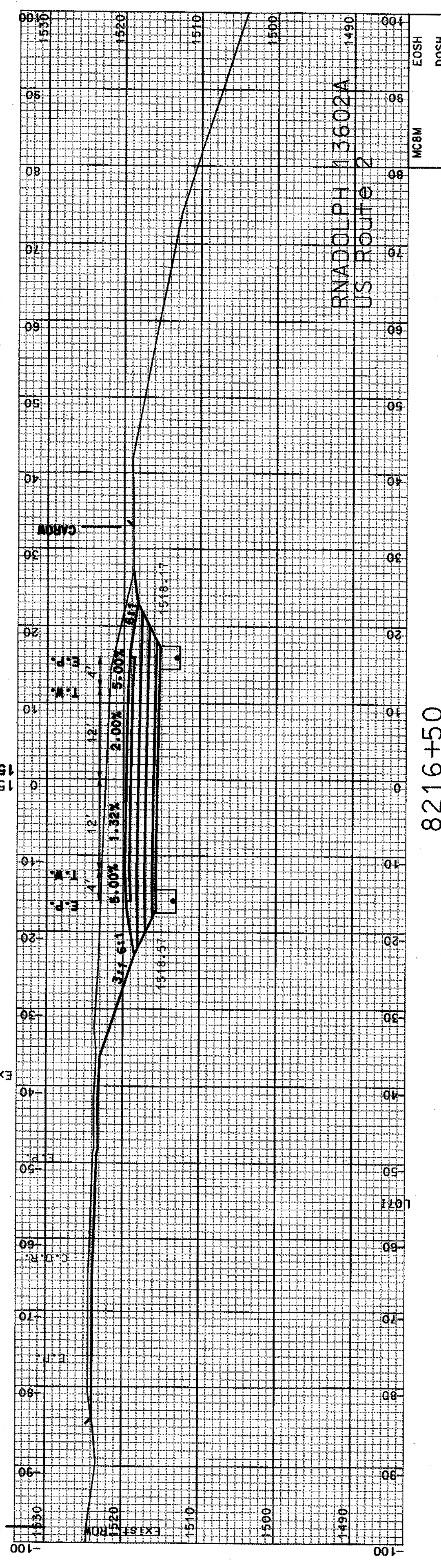


8217+00



Exist. CAROW

1522.3

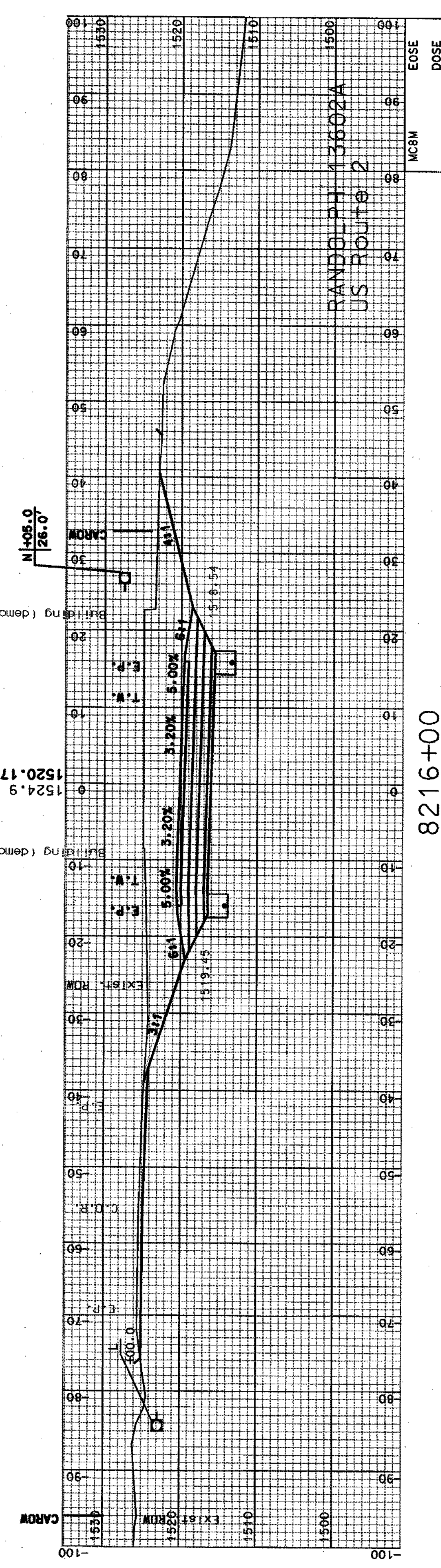


8216+50



1520.17

1520.17



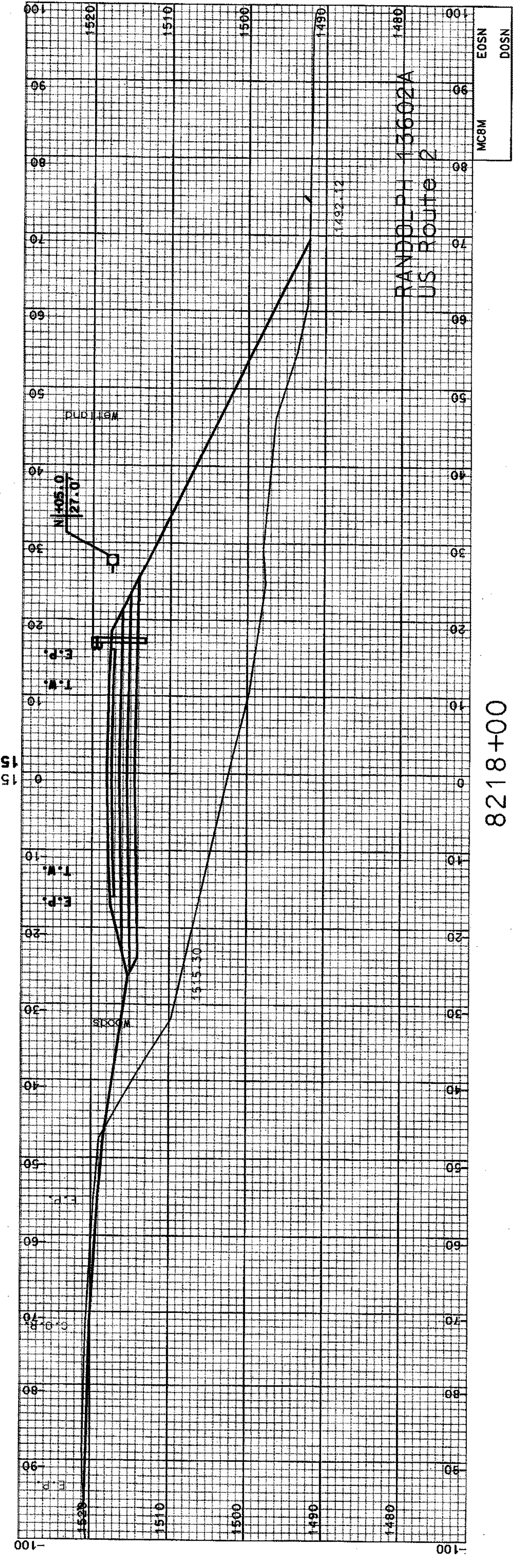
8216+00



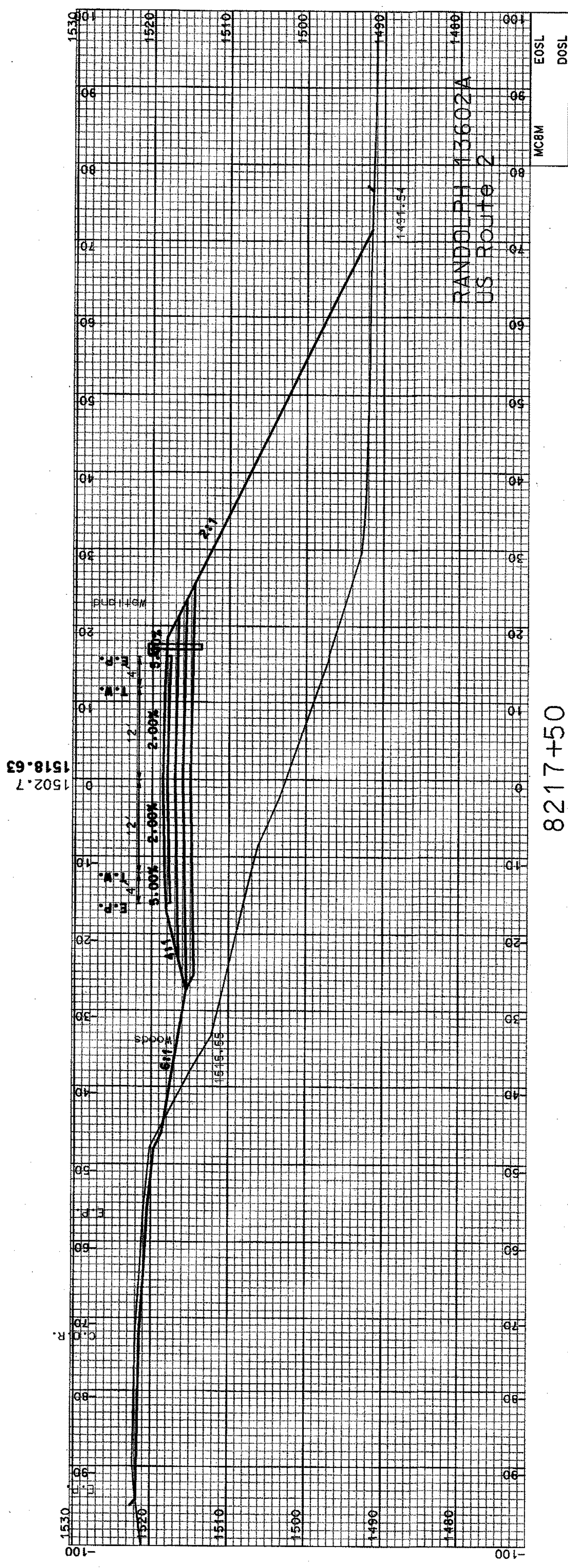
COMMON EXCAV.	1,218.26	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	380.95	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	13602AXSA4	STATE PROJECT NO.	SHEET NO.	48	TOTAL SHEETS
		13602A		64	

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8218+00

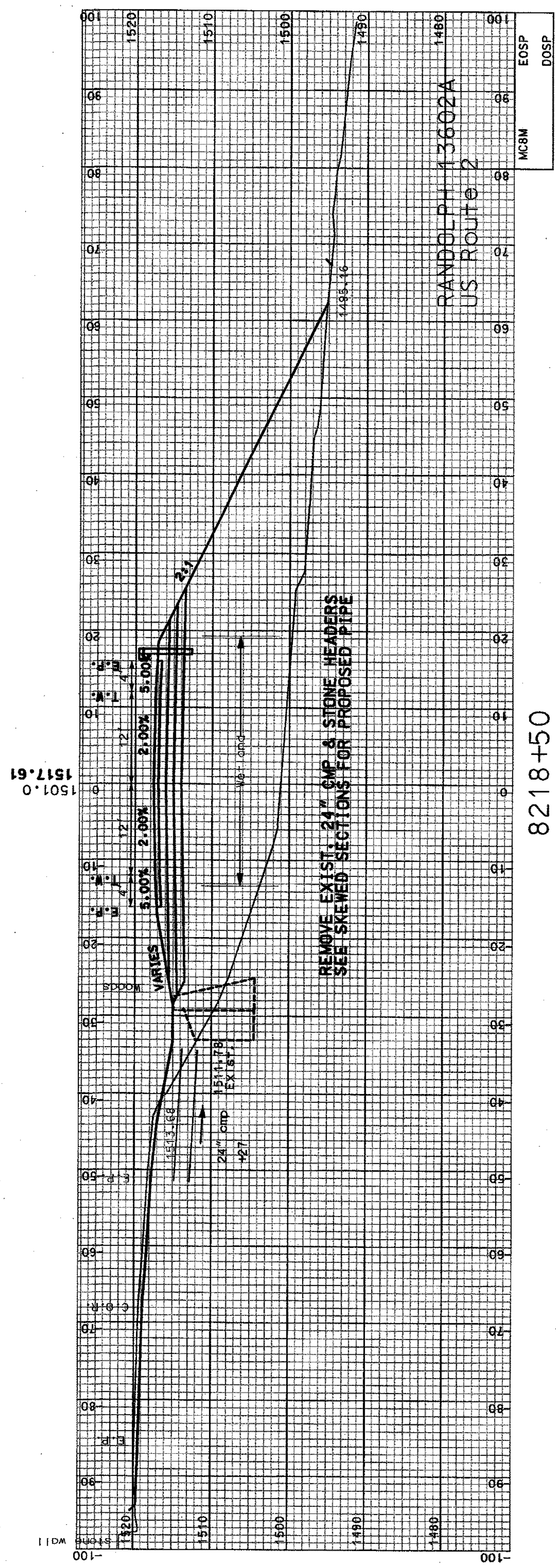
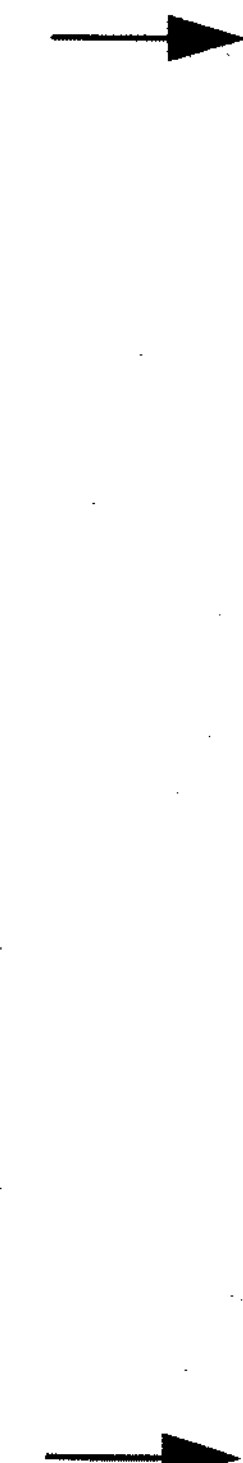
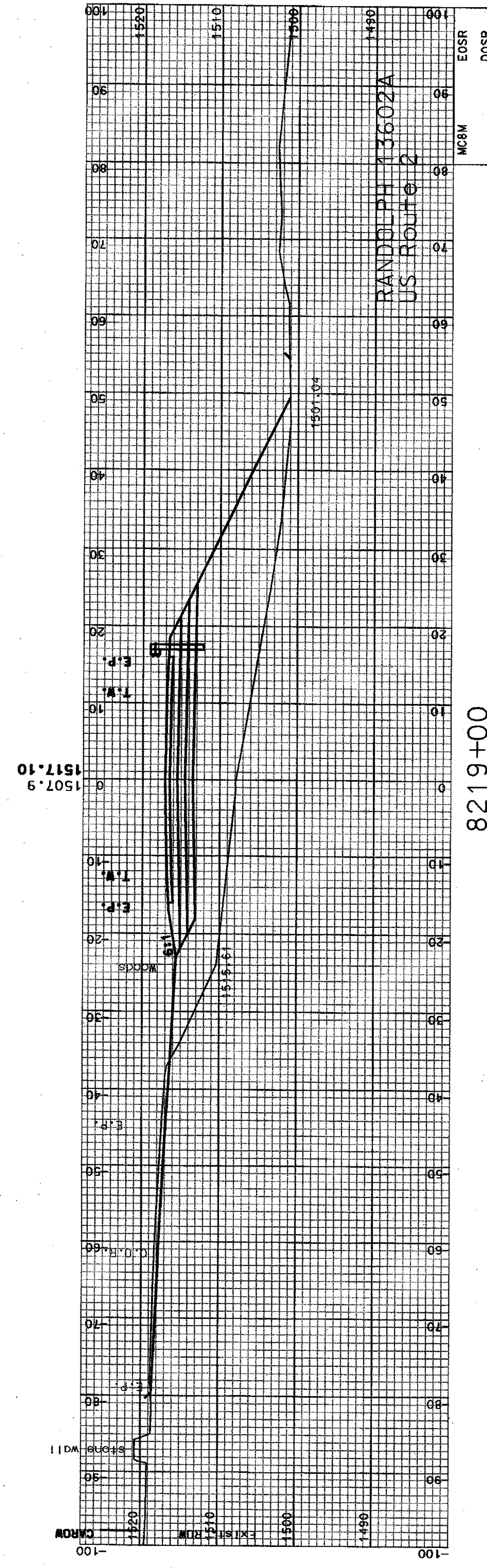
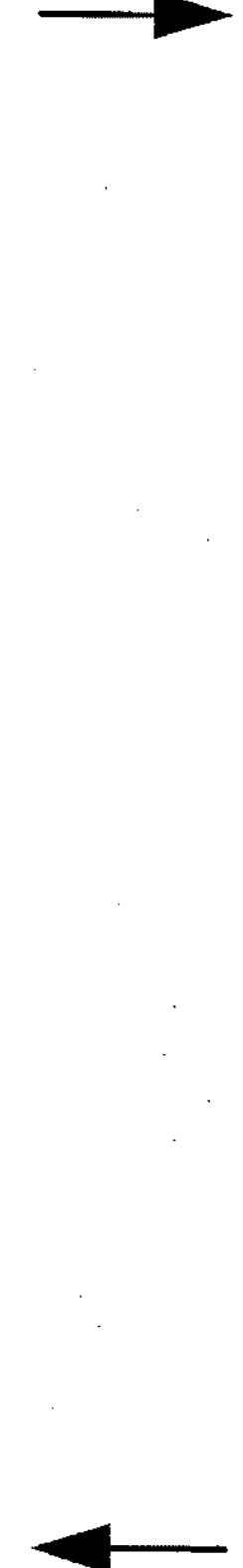
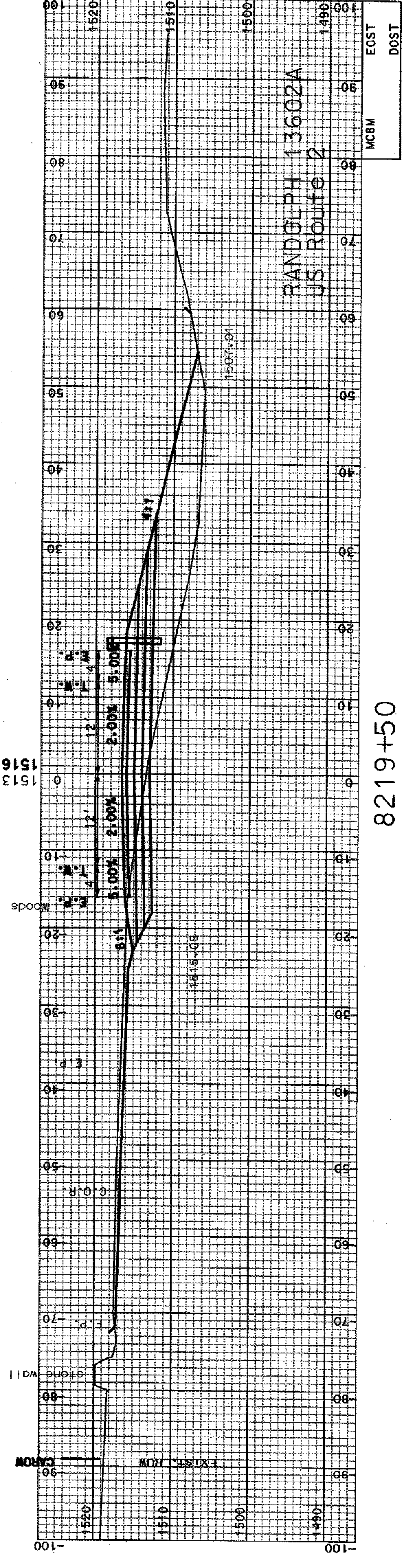


8217+50

COMMON EXCAV.		86.74	C.Y.	ROCK EXCAV.	0	C.Y.
FILL		3516.46	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	STATE PROJECT NO.	13602AXSA4		SHEET NO.	49	TOTAL SHEETS
					64	

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL	
NUMBER	DATE
STATION	DESCRIPTION



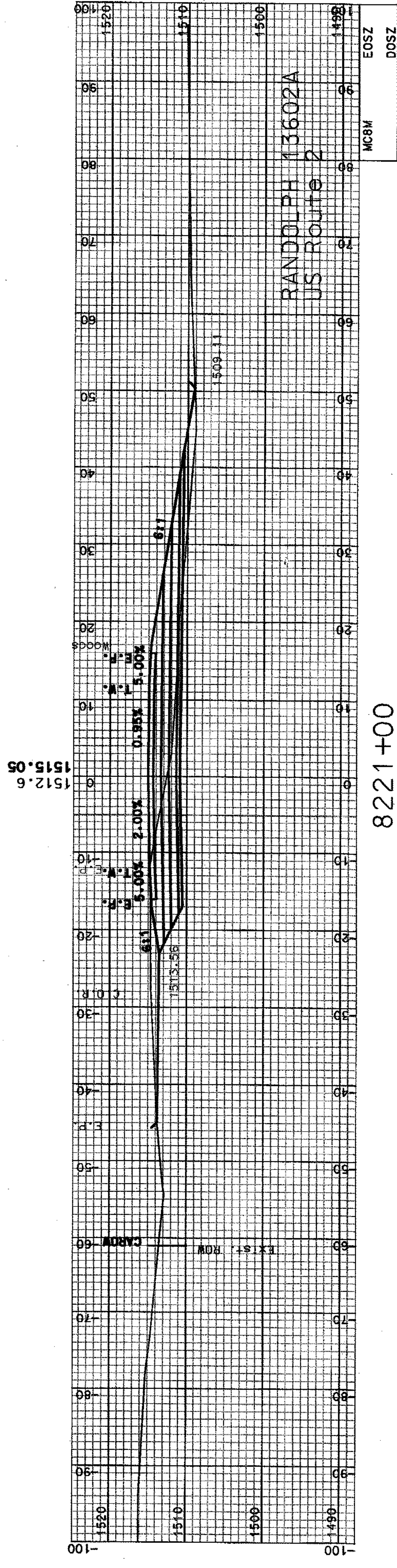
COMMON EXCAV.	314.32	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	3689.06	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	13602AXSA4	STATE PROJECT NO.	SHEET NO.	50	TOTAL SHEETS
		13602A		64	

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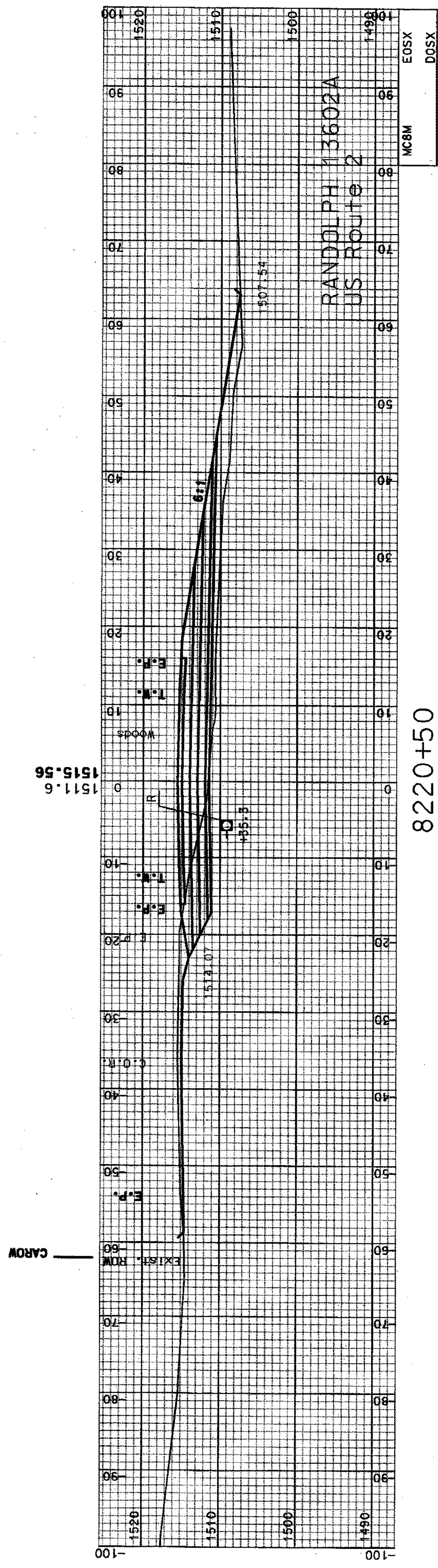
SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL

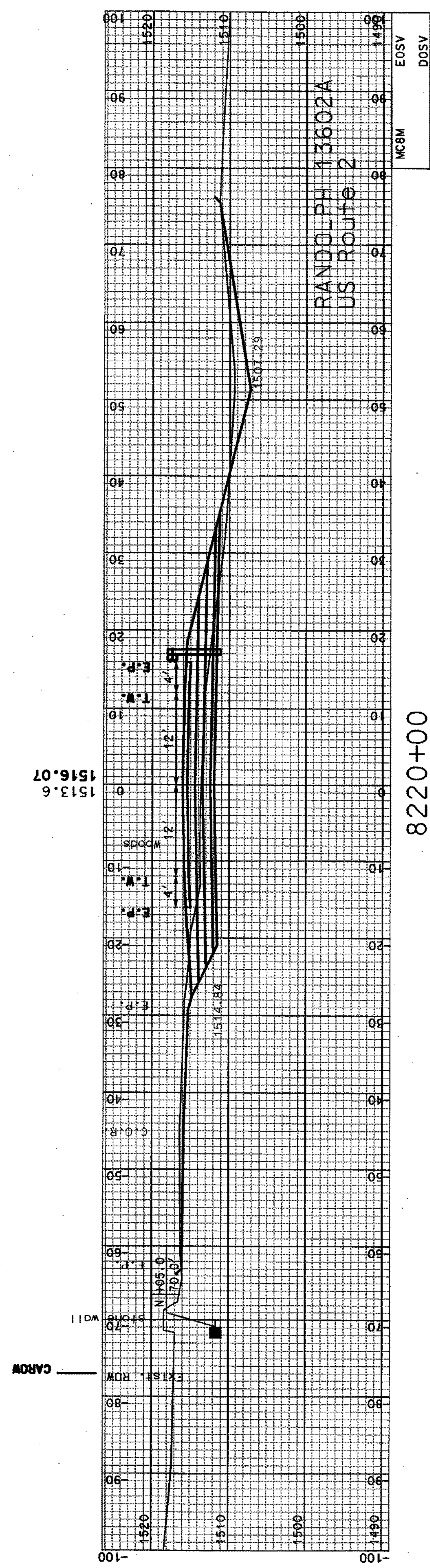
NUMBER	DATE	STATION	DESCRIPTION



8221+00



8220+50



8220+00



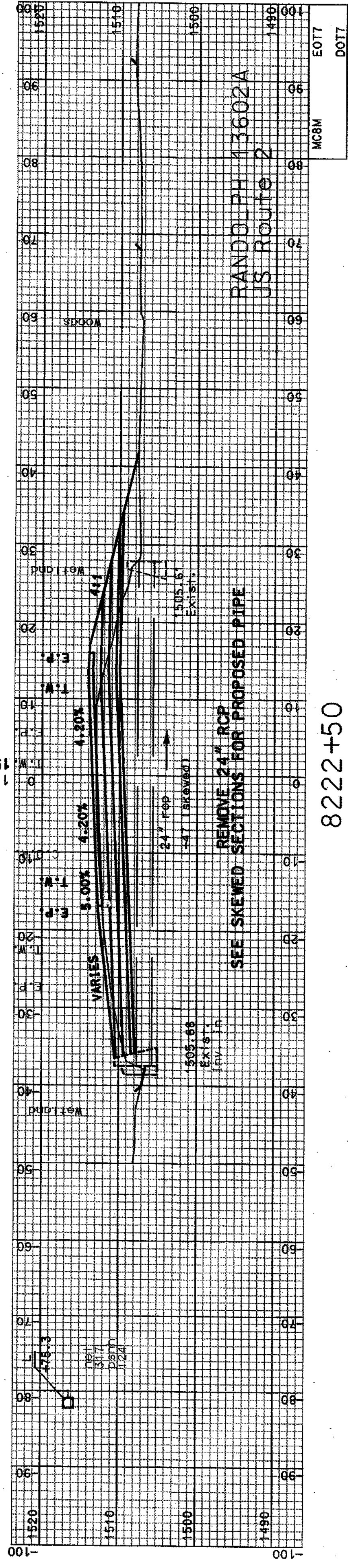
COMMON EXCAV.	569.13	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	337.69	C.Y.	MUCK EXCAV.	0	C.Y.
DON			STATE PROJECT NO.	13602AXSA4	
			SHEET NO.	51	TOTAL SHEETS
					64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



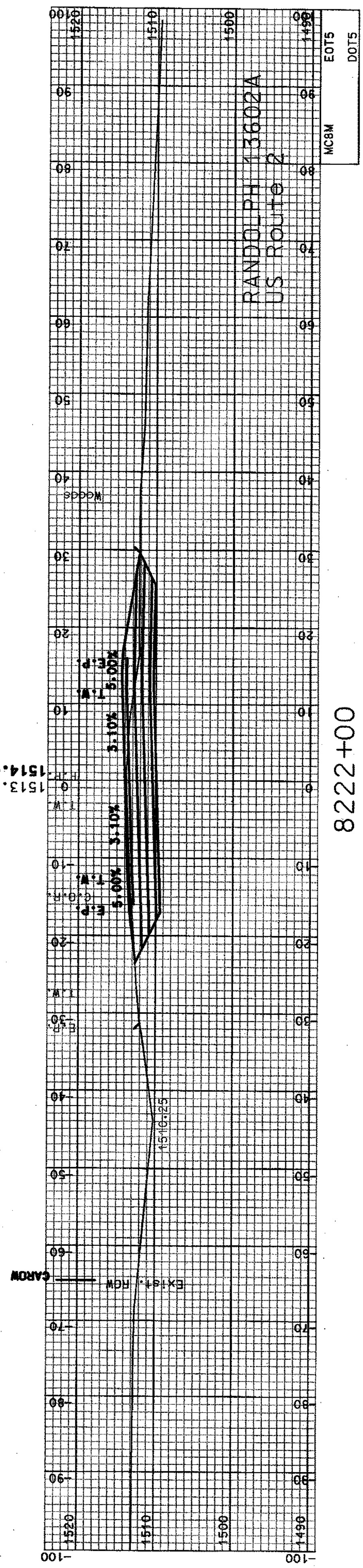
1513.2
1513.51



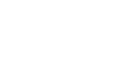
8222+50

BEGIN 62:1 TAPER @ 8222+00 LT.

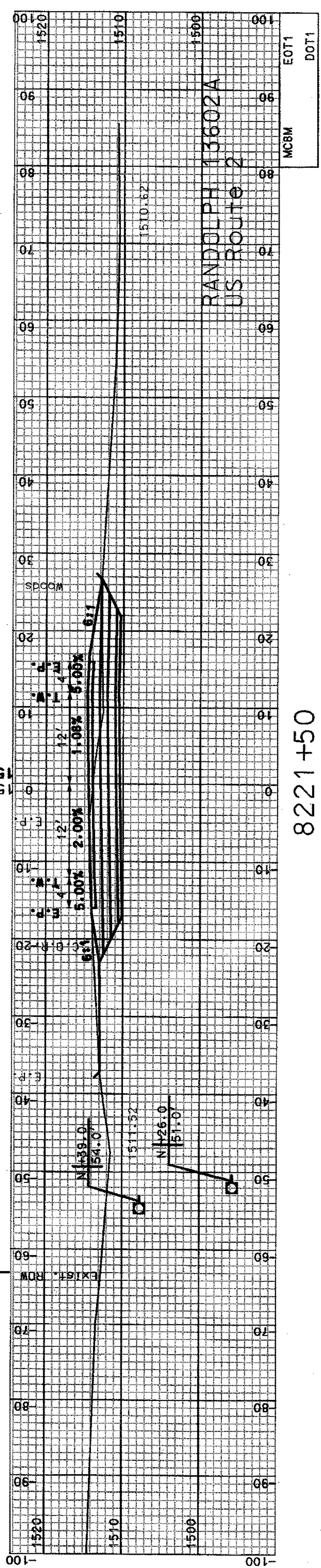
1513.8
1514.02



8222+00



1513.9
1514.55

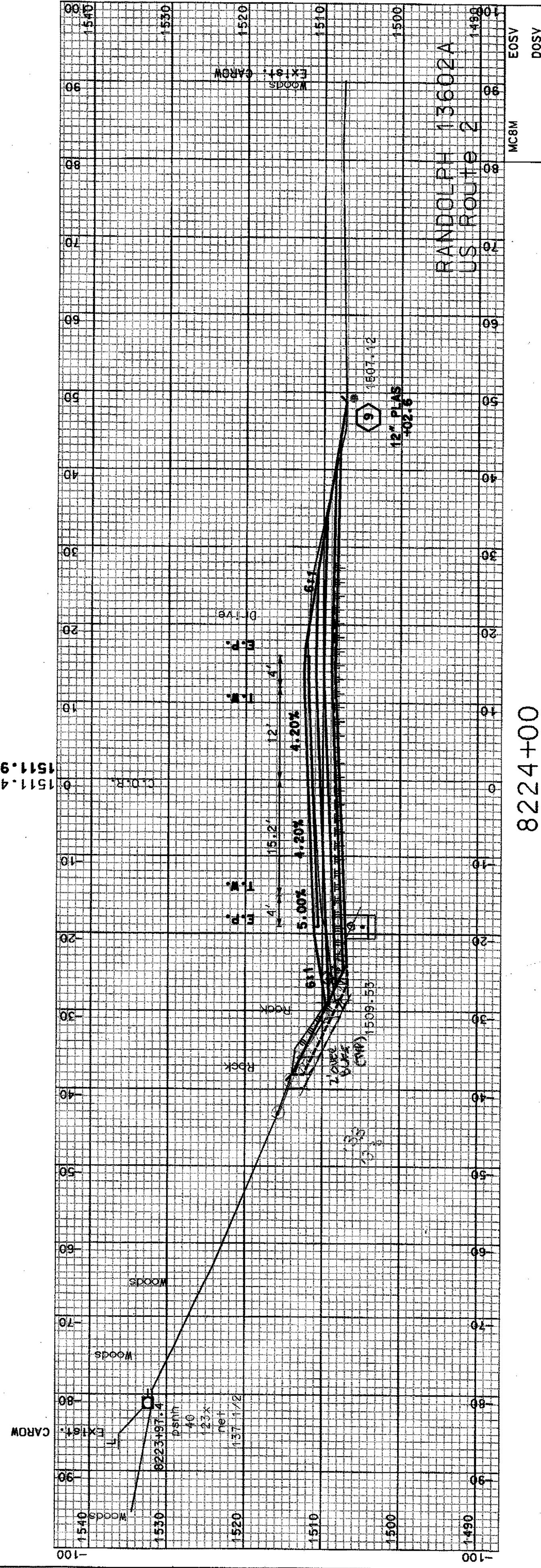


8221+50

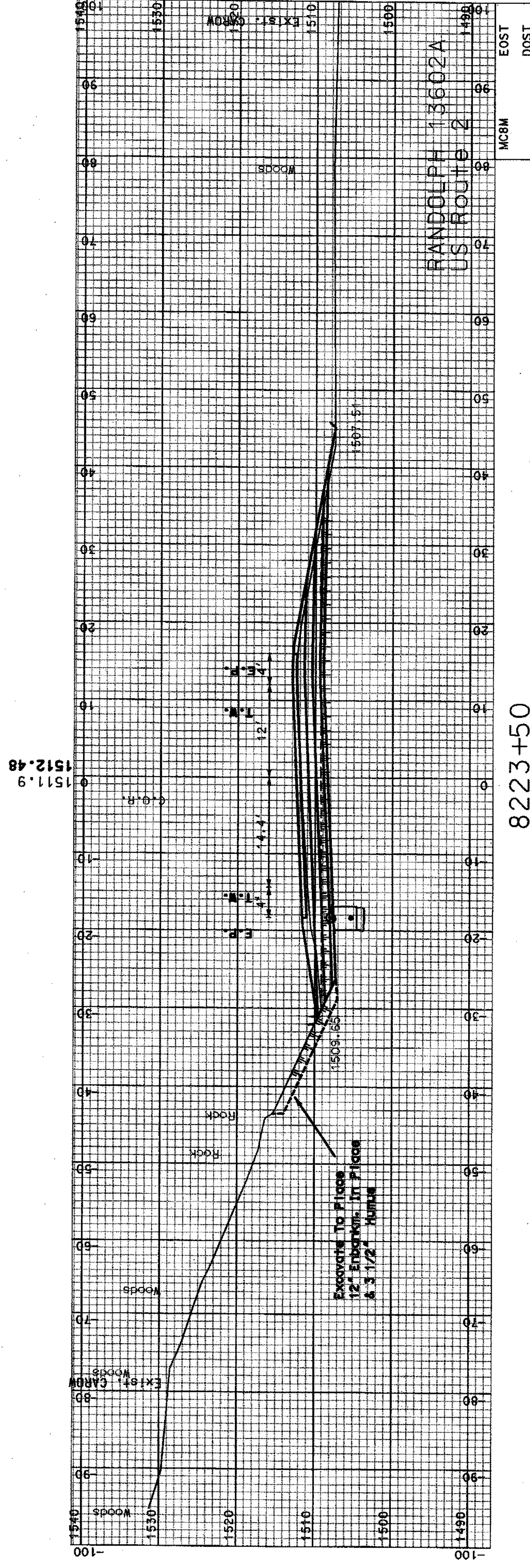
COMMON EXCAV.	895.95	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	76.60	C.Y.	MUCK EXCAV.	0	C.Y.
DCN			STATE PROJECT NO.	13602A	SHEET NO.
					52
					TOTAL SHEETS
					64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

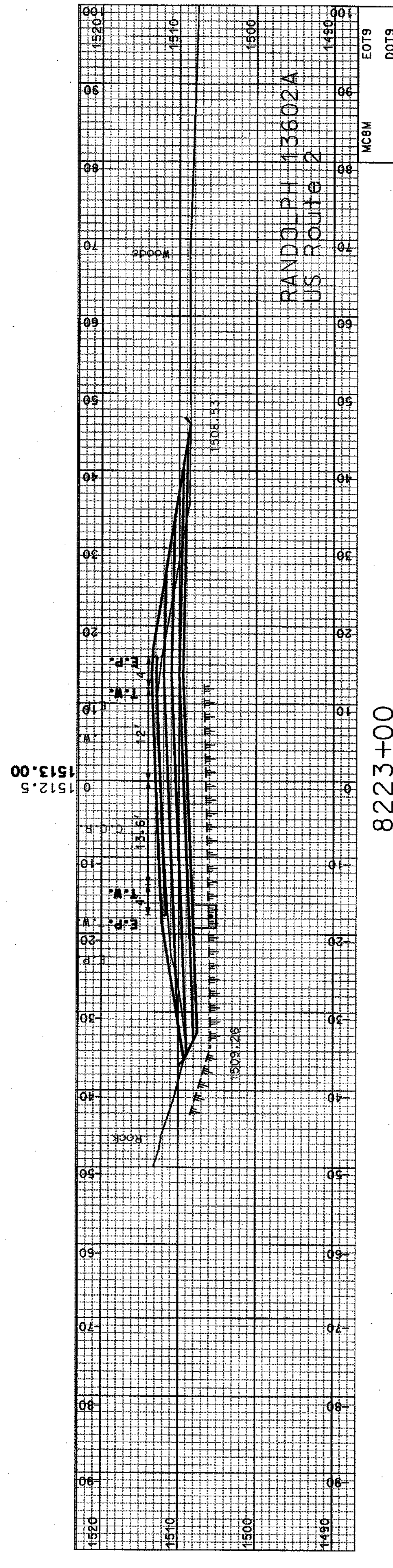
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8224+00



8223+50

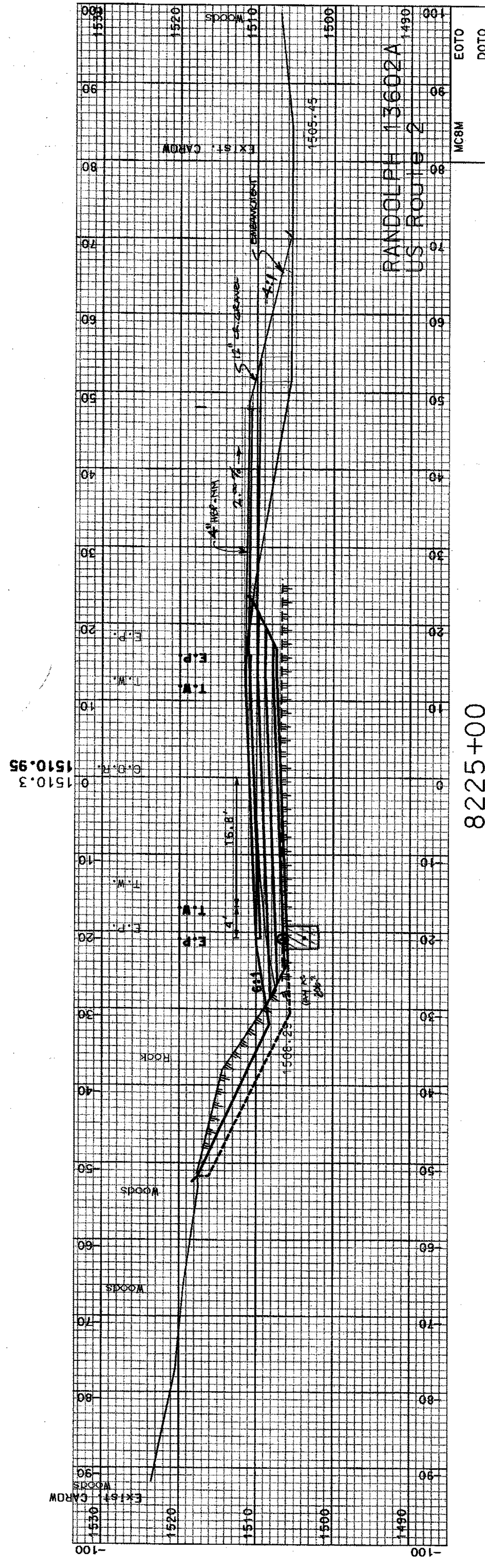


8223+00

SHEET TOTALS		COMMON EXCAV.	799.42	C.Y.	ROCK EXCAV.	350.62	C.Y.
		FILL	90.01	C.Y.	MUCK EXCAV.	0	C.Y.
06N	STATE PROJECT NO.	13602AXA4			SHEET NO.	53	TOTAL SHEETS
						53	64

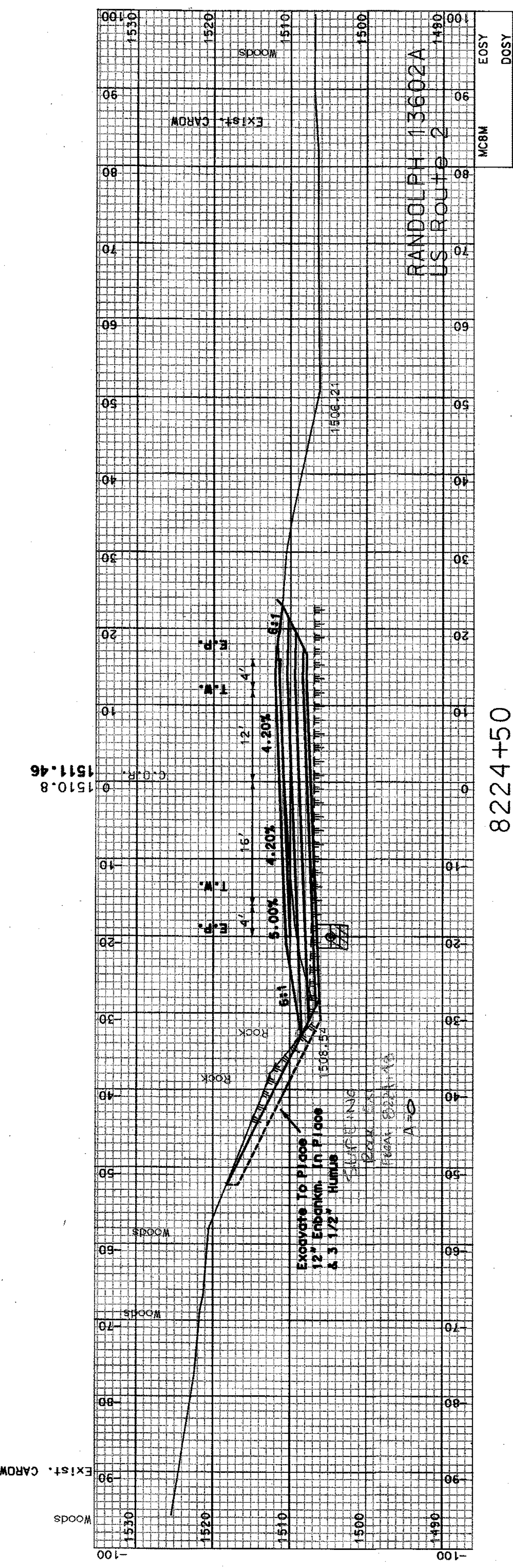
SOR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL			
NUMBER	DATE	STATION	DESCRIPTION



8225+00

SLOPE ROCK
A=0 @ 8225+07

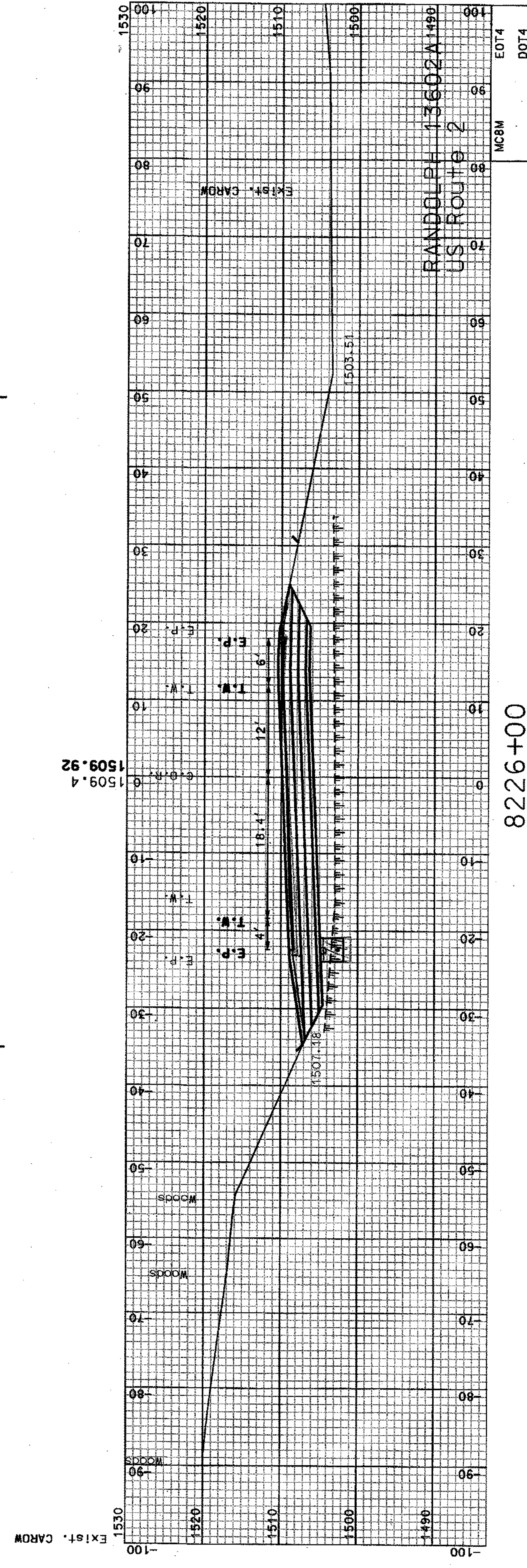


8224+50

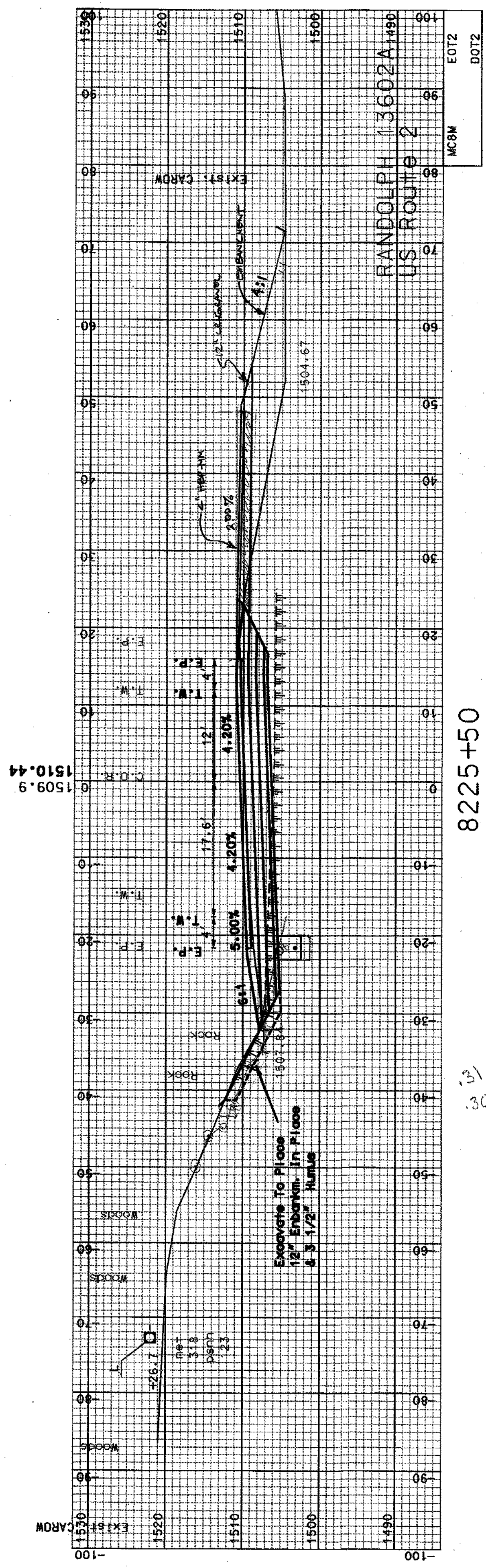
COMMON EXCAV.		517.44	C.Y.	ROCK EXCAV.	254.93	C.Y.
FILL		82.39	C.Y.	MUCK EXCAV.	0	C.Y.
DGN	STATE PROJECT NO.	13602AXSA4		SHEET NO.	54	TOTAL SHEETS
					64	

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
NUMBER	DATE		



8226+00



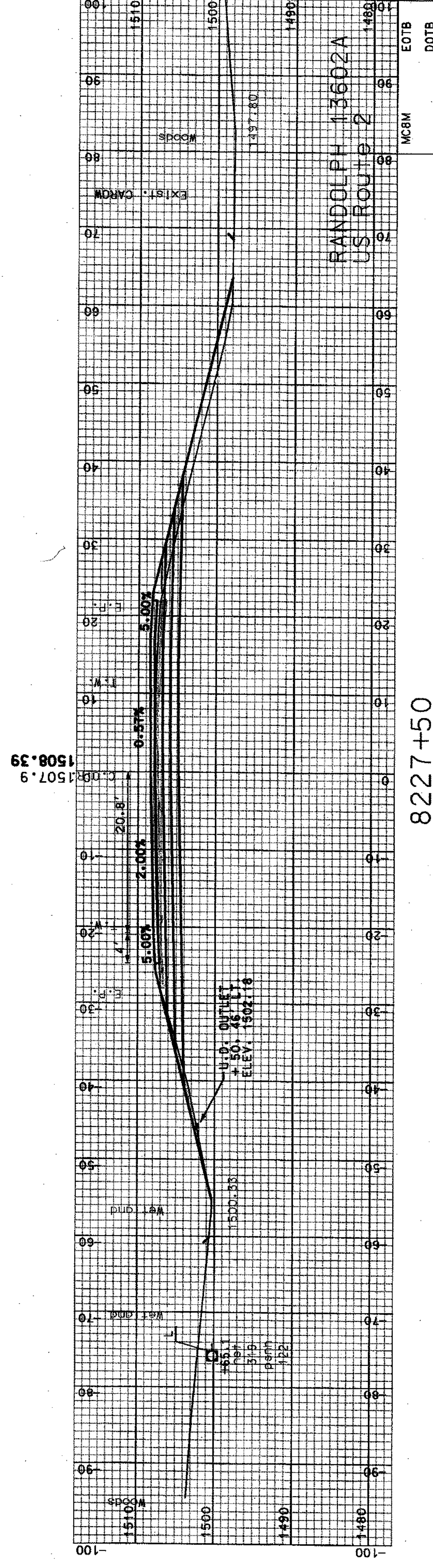
8225+50

SHEET TOTALS			
COMMON EXCAV.	650.55	C.Y.	43.55
FILL	47.33	C.Y.	0
ROCK EXCAV.		C.Y.	0
MUCK EXCAV.		C.Y.	0
CON		STATE PROJECT NO.	13602A
13602AXSA4		SHEET NO.	55
		TOTAL SHEETS	64

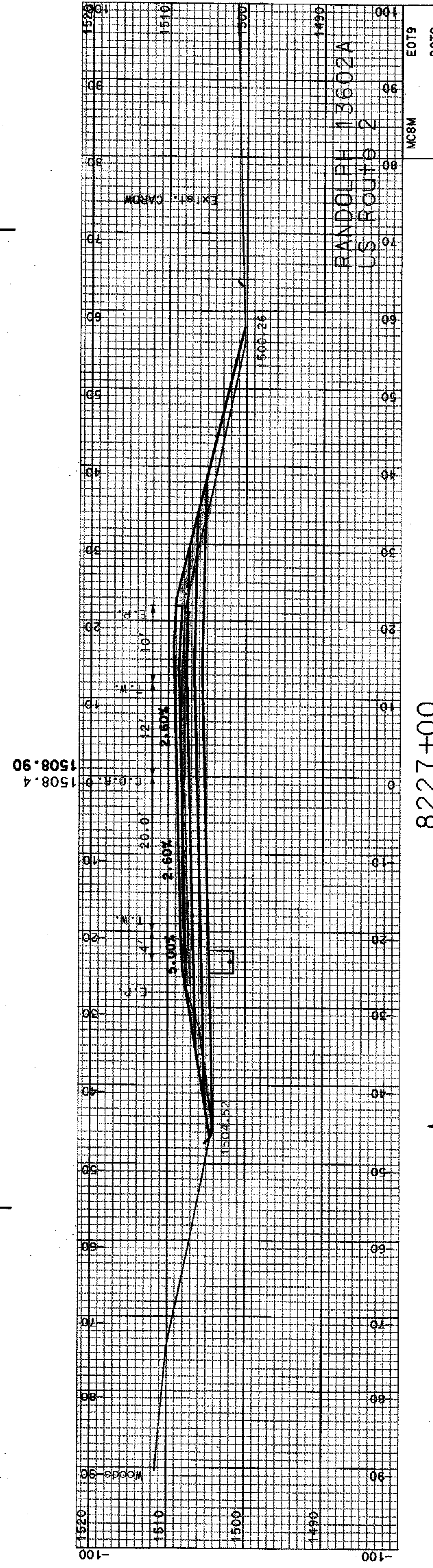
SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

NUMBER	DATE	STATION	DESCRIPTION

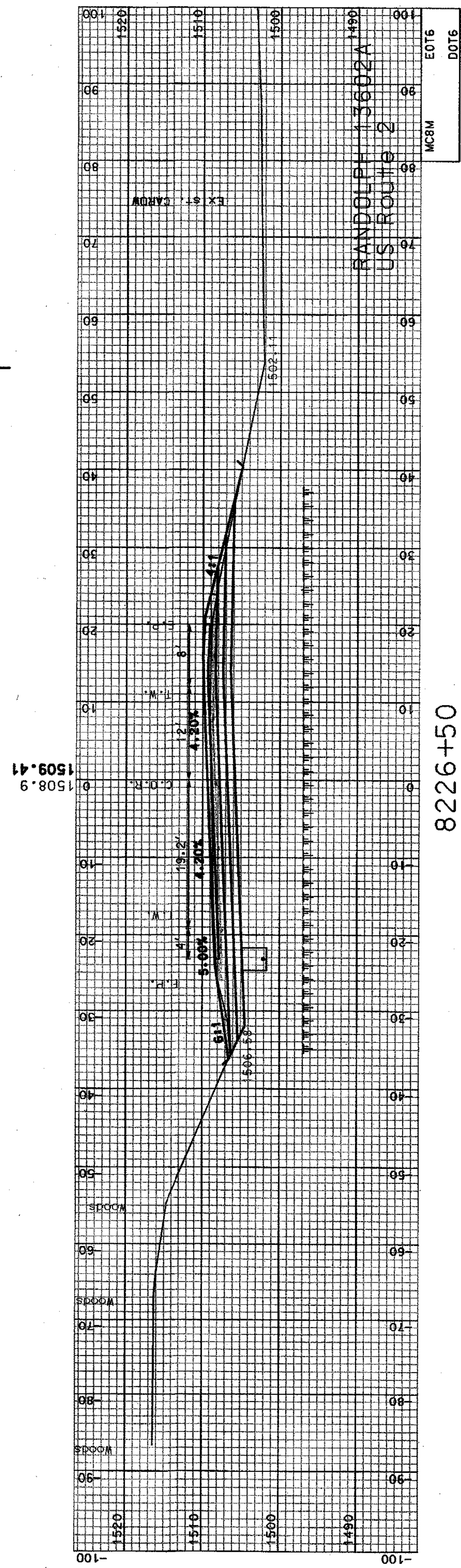
REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



8227+50



8227+00

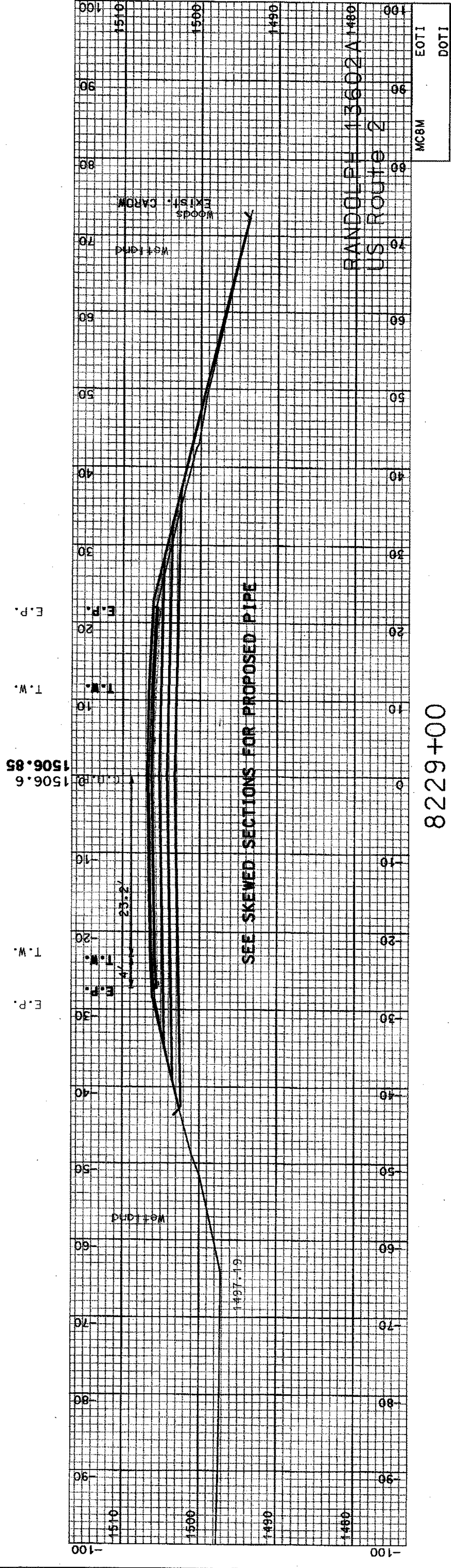


8226+50

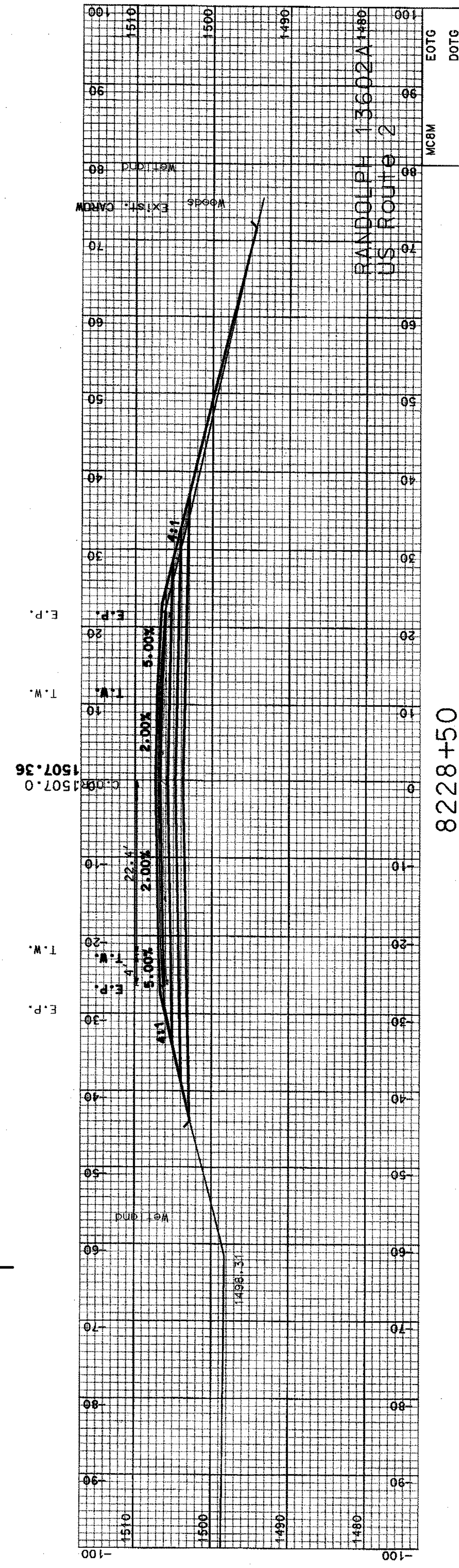
SHEET TOTALS	
COMMON EXCAV. 1010.01	C.Y. 0
FILL 63.92	C.Y. 0
ROCK EXCAV. 0	C.Y. 0
MUCK EXCAV. 0	C.Y. 0
DCN 13602AXSA4	STATE PROJECT NO. 13602A
SHEET NO. 56	TOTAL SHEETS 64

SOR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

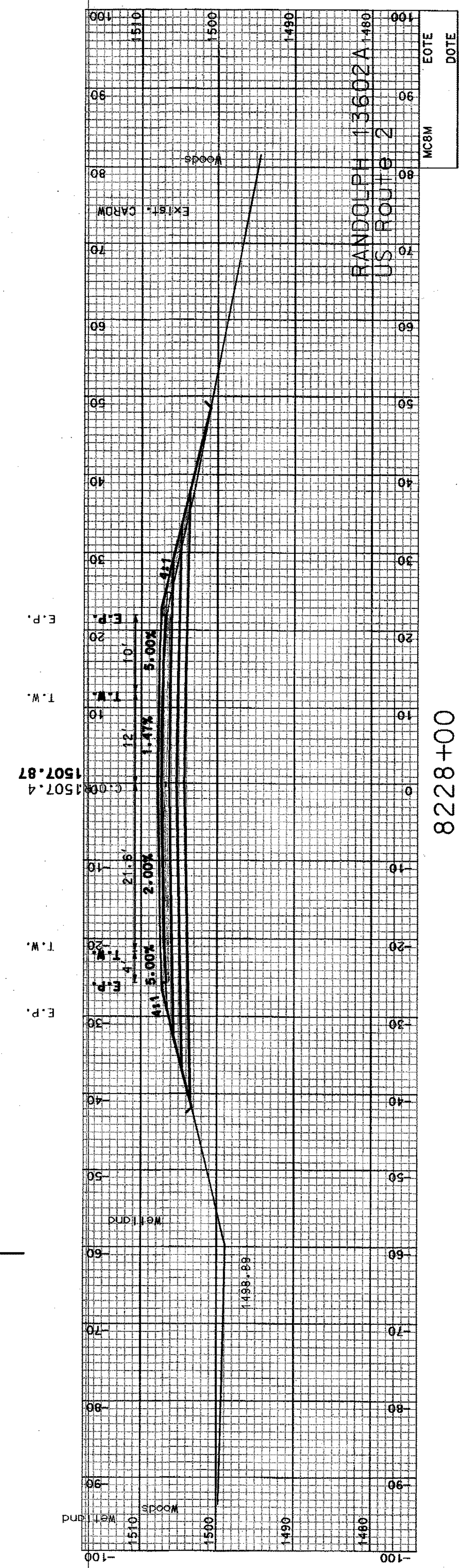
REVISIONS AFTER PROPOSAL			
NUMBER	DATE	STATION	DESCRIPTION



8229+00



8228+50



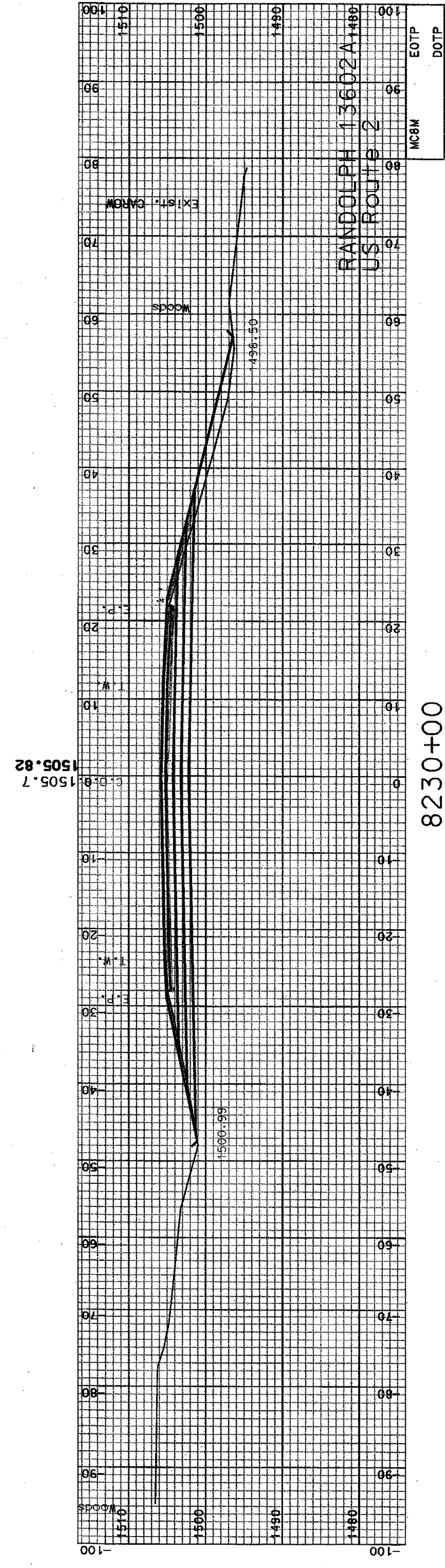
8228+00



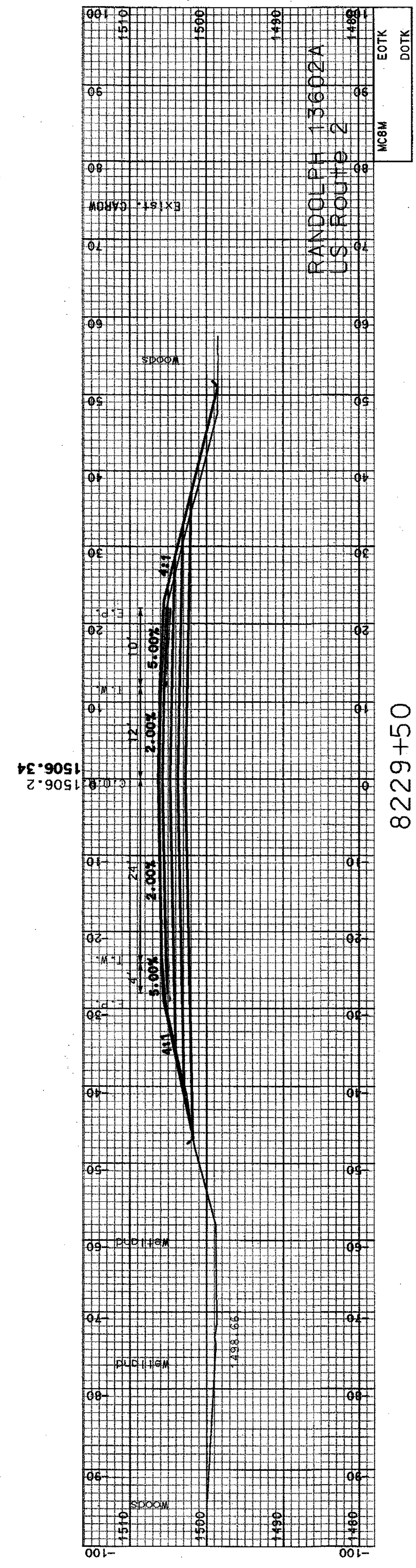
COMMON EXCAV.	1135.29	C.Y.	ROCK EXCAV.	0	C.Y.
FILL	70.20	C.Y.	MUCK EXCAV.	0	C.Y.
DON	13602AXSA4	STATE PROJECT NO.	13602A	SHEET NO.	57
				TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL			
NUMBER	DATE	STATION	DESCRIPTION



8230+00
END CONSTRUCTION



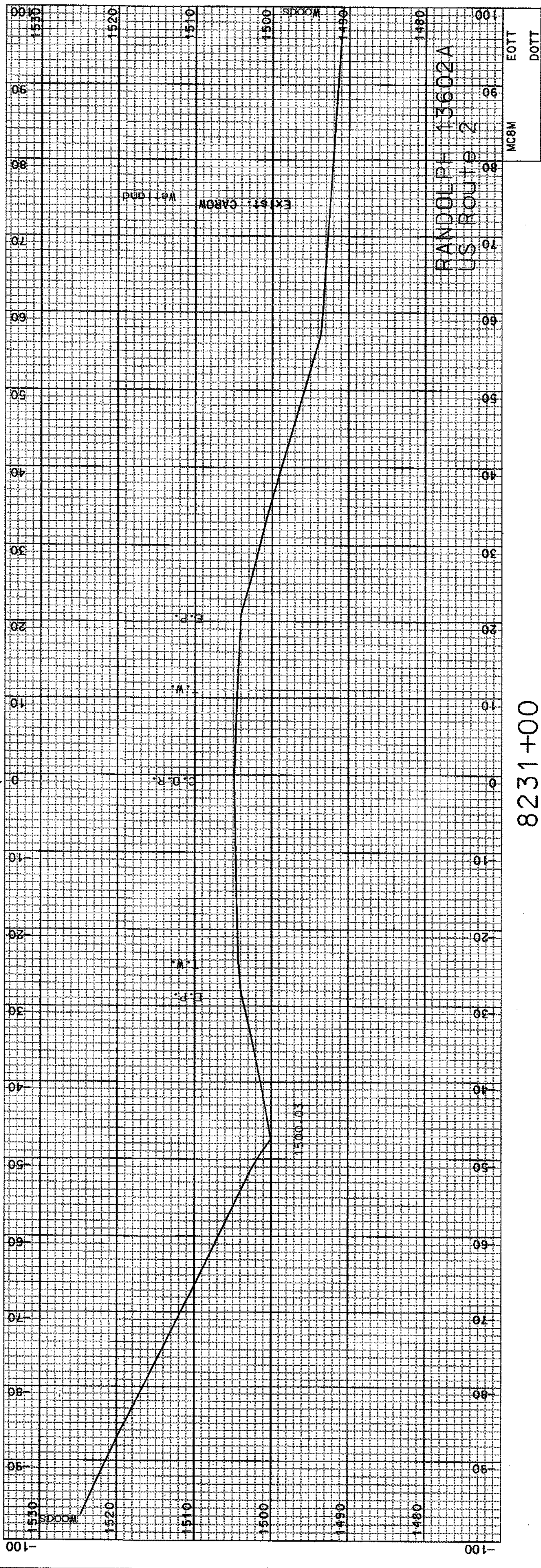
8229+50



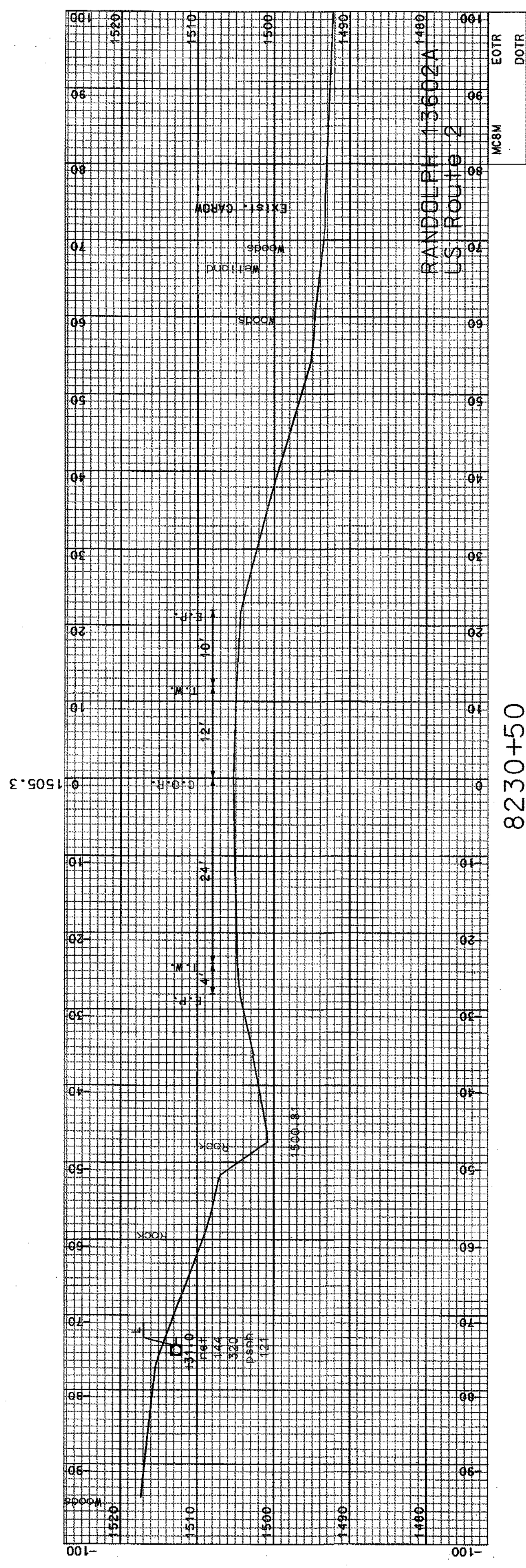
SHEET TOTALS			
COMMON EXCAV.	398.57	C.Y.	0
FILL	52.54	C.Y.	0
DGN	13602AXSA.4	STATE PROJECT NO.	13602A
		SHEET NO.	58
		TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2007
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL	
NUMBER	DATE
STATION	DESCRIPTION



8231+00



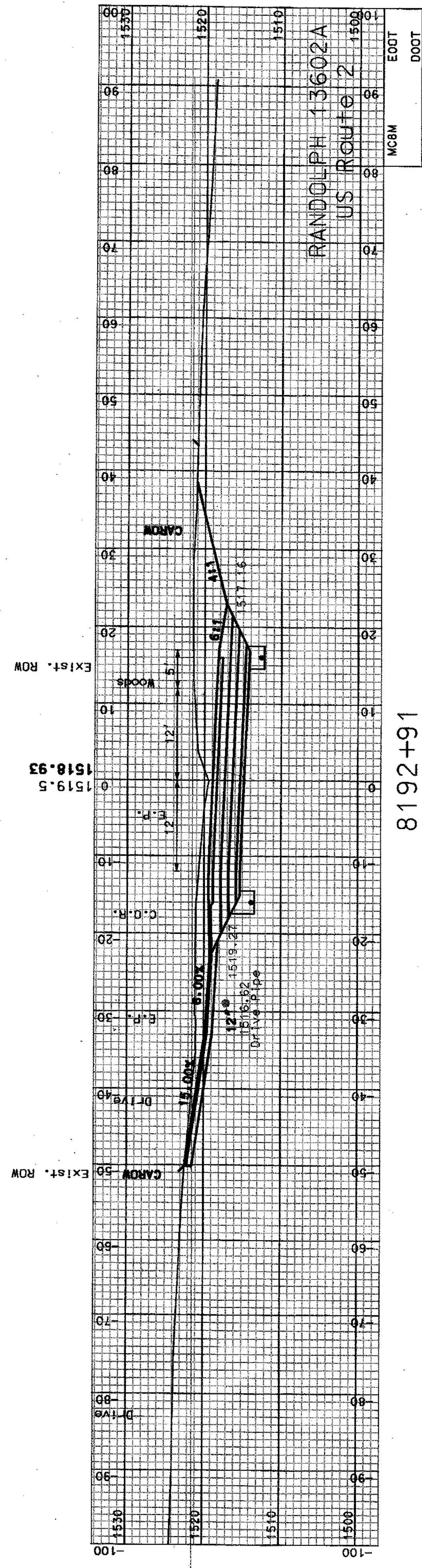
8230+50
END APPROACH



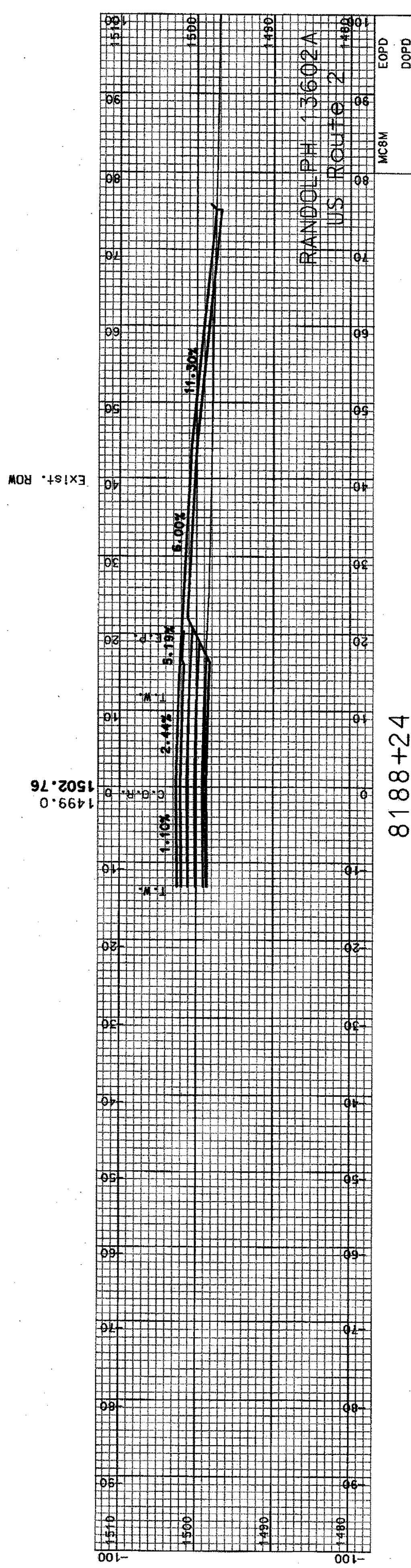
COMMON EXCAV.	0	SHEET TOTALS	0	C.Y.
FILL	21.98	C.Y.	0	C.Y.
DGN	13602AX8A4	STATE PROJECT NO.	13602A	SHEET NO.
				TOTAL SHEETS
			59	64

SDR PROCESSED	NAME1	DATE	DATE1
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

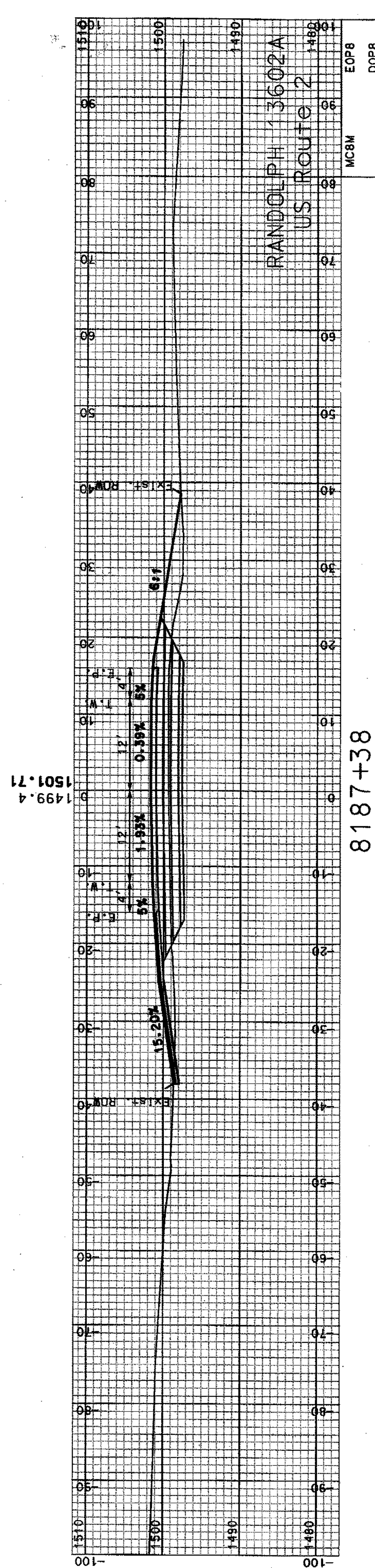
REVISIONS AFTER PROPOSAL	
NUMBER	STATION
DATE	DESCRIPTION



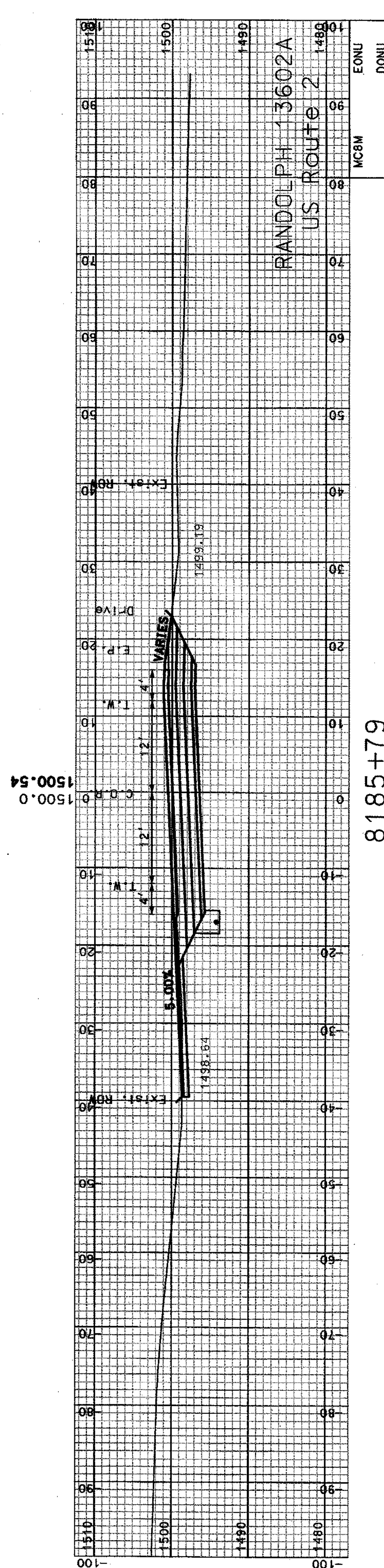
8192+91
(DRIVE LT.)



8188+24
(SKEWED DRIVE RT.)



8187+38
(DRIVE LT.)



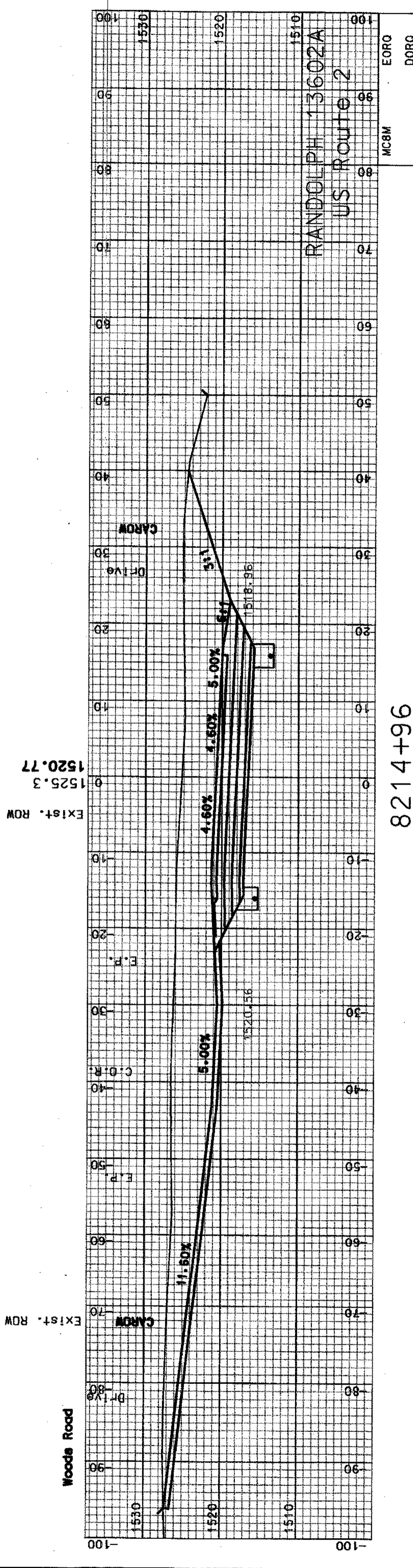
8185+50
(DRIVE LT.)

STA. 8185+50 DRIVE RIGHT ON EVEN STA. X-SECTIONS

SHEET TOTALS	
COMMON EXCAV.	C.Y.
FILL	C.Y.
ROCK EXCAV.	C.Y.
MUCK EXCAV.	C.Y.
DGN	STATE PROJECT NO.
13602AXSA5	13602A
	SHEET NO.
	60
	TOTAL SHEETS
	64

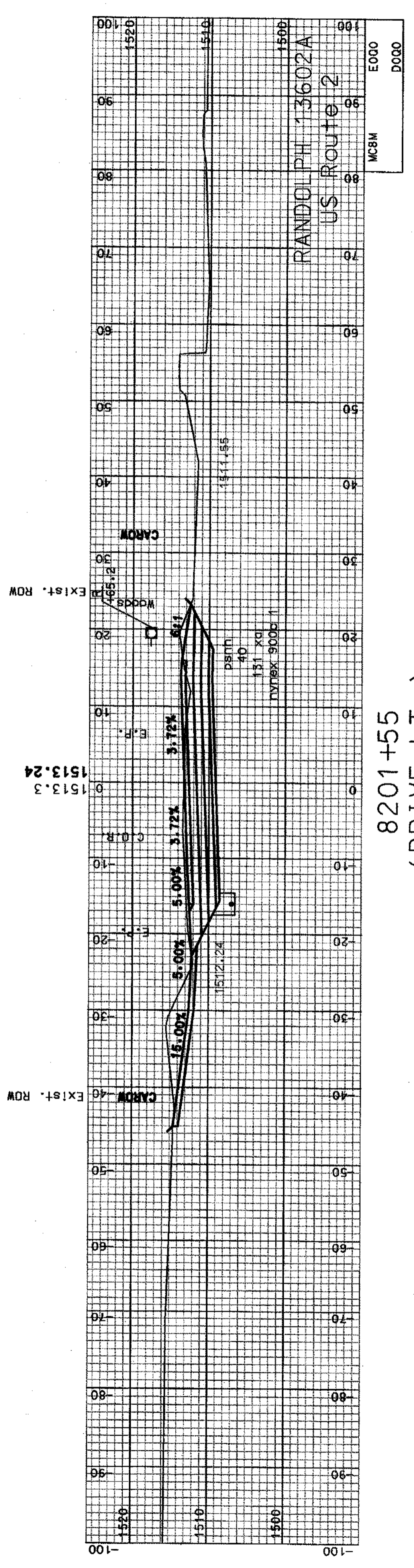
SDR PROCESSED	CZR	DATE	JAN 2008
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL	
NUMBER	DESCRIPTION

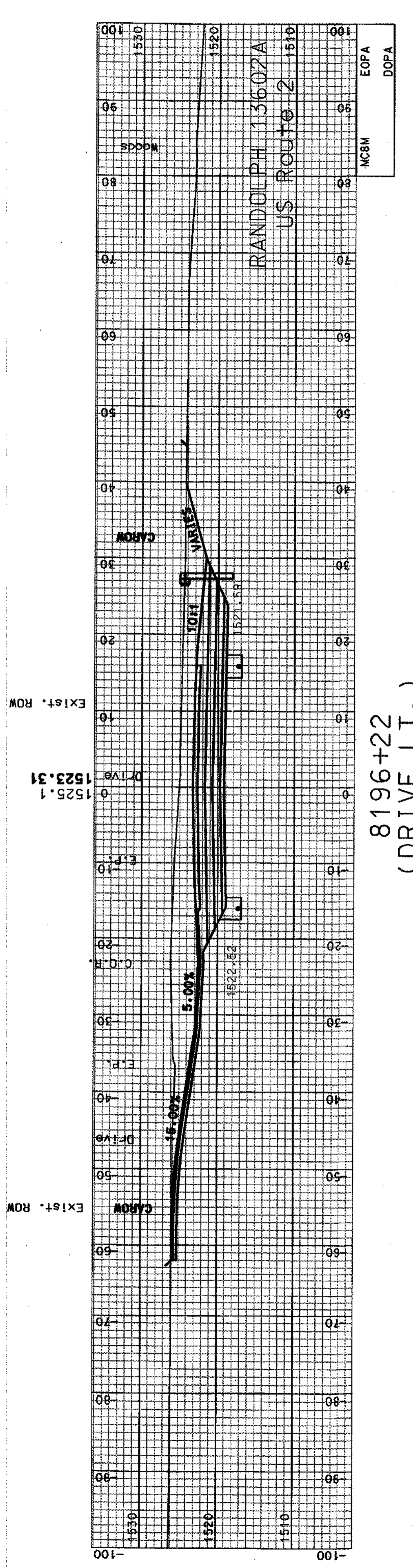


8214+96
(DRIVE LT.)

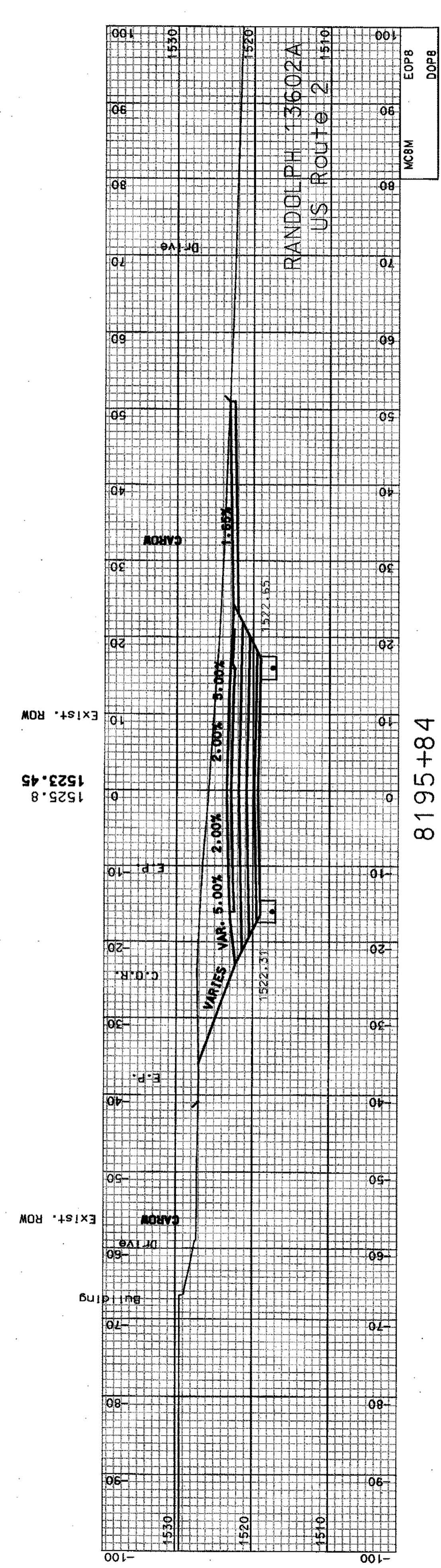
STA. 8207+00 DRIVE RIGHT ON EVEN STA. X-SECTIONS
 STA. 8203+00 DRIVE RIGHT ON EVEN STA. X-SECTIONS



8201+55
(DRIVE LT.)



8196+22
(DRIVE LT.)



8195+84
(DRIVE RT.)

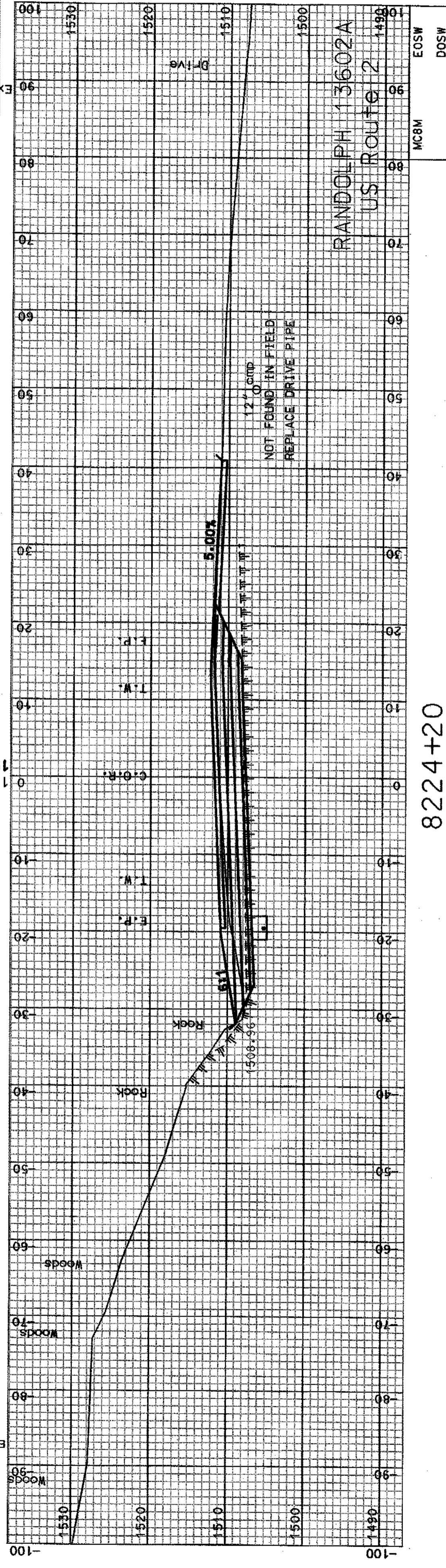
SHEET TOTALS	
COMMON EXCAV.	C.Y.
FILL	C.Y.
ROCK EXCAV.	C.Y.
MUCK EXCAV.	C.Y.
DCN	
STATE PROJECT NO.	13602A
SHEET NO.	61
TOTAL SHEETS	64

SDR PROCESSED	CZR	DATE	JAN 2008
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL	
NUMBER	DATE
STATION	DESCRIPTION

EXIST. CARROW

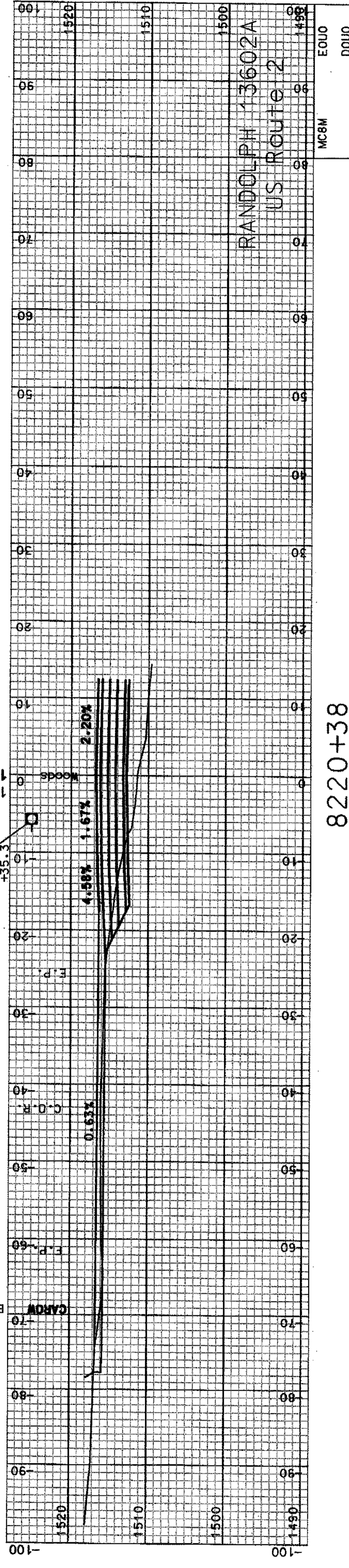
1511.1
1511.76



8224+20
(DRIVE RT.)

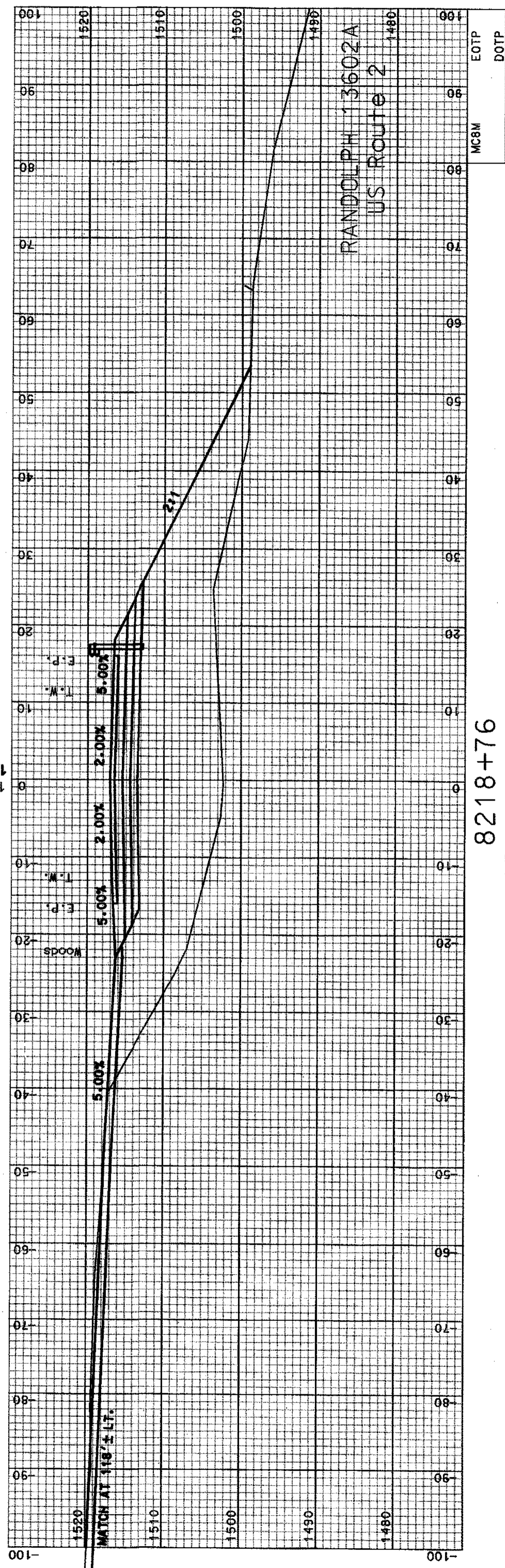
EXIST. ROW

1511.4
1516.80



8220+38
(SKEWED DRIVE LT.)

1502.3
1517.10

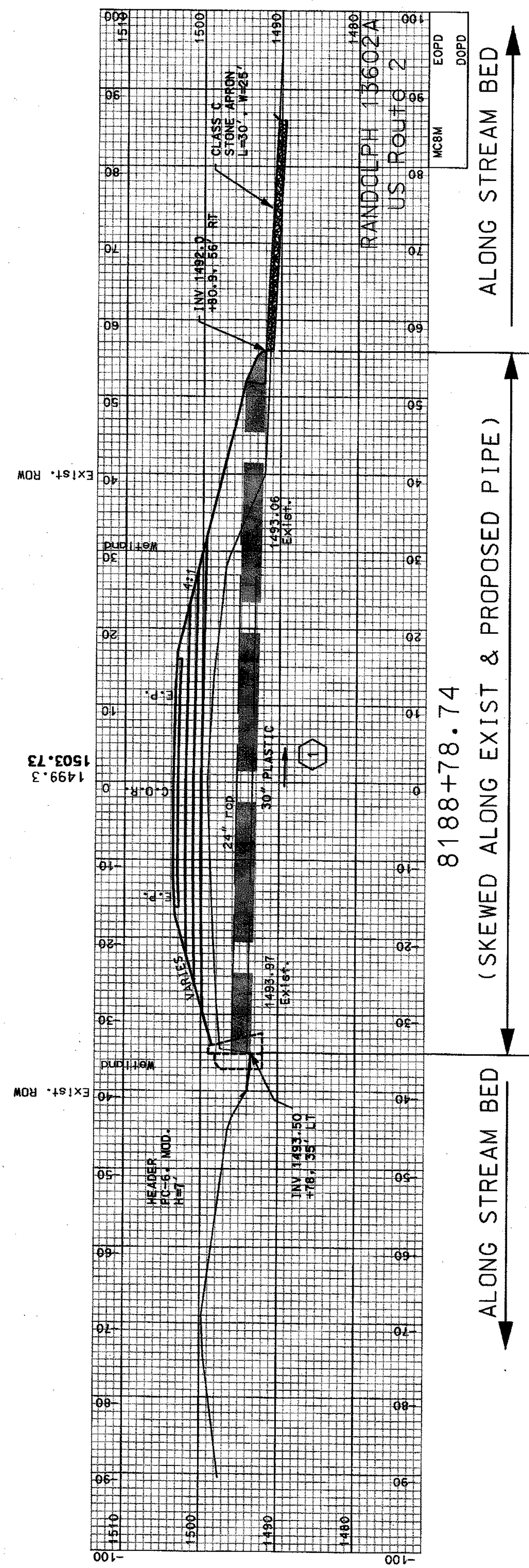
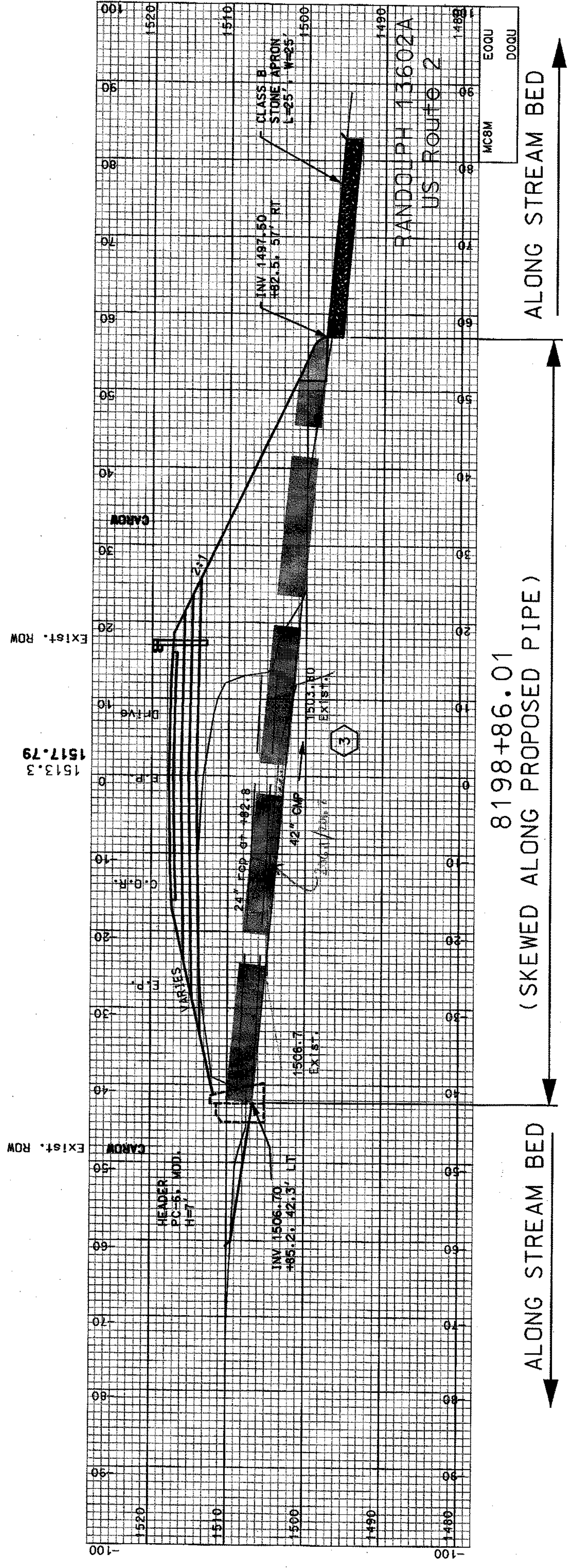
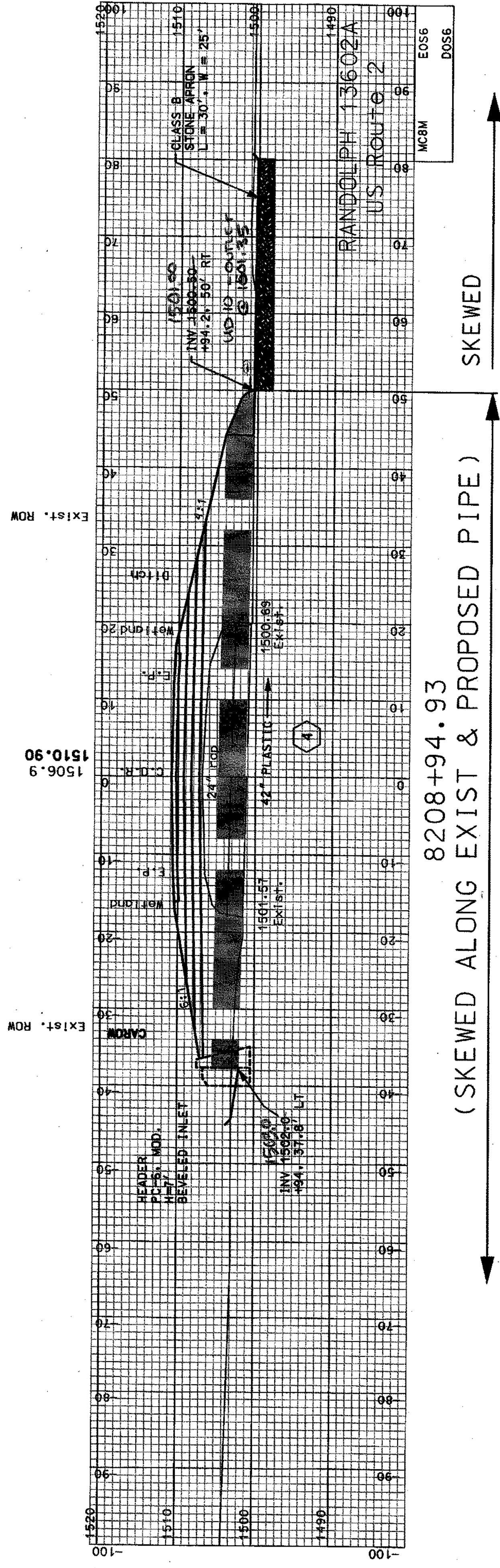


8218+76
(DRIVE LT.)

SHEET TOTALS			
COMMON EXCAV.	C.Y.	ROCK EXCAV.	C.Y.
FILL	C.Y.	MUCK EXCAV.	C.Y.
DN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602AXSA5	13602A	62	64

SDR PROCESSED	CZR	DATE	JAN 2008
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

NUMBER	DATE	STATION	DESCRIPTION



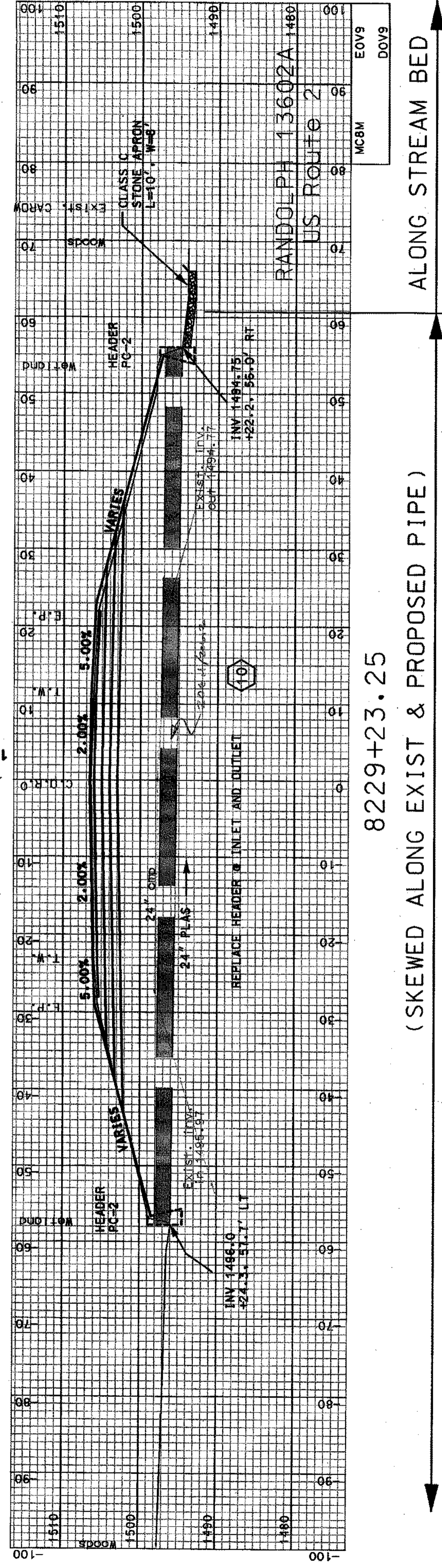
COMMON EXCAV.	C.Y.	ROCK EXCAV.	C.Y.
FILL	C.Y.	MUCK EXCAV.	C.Y.
DON	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13602AXSA5	13602A	63	64

10/29/08 9:41:10 AM 13602AXSA5.dgn 05/01/2008 6:00:30 AM 13602A

SDR PROCESSED	CZR	DATE	JAN 2008
NEW DESIGN	NAME2	DATE	
SHEET CHECKED	NAME3	DATE	
AS BUILT DETAILS		DATE	

NUMBER	DATE	STATION	DESCRIPTION

1506.4
1506.61



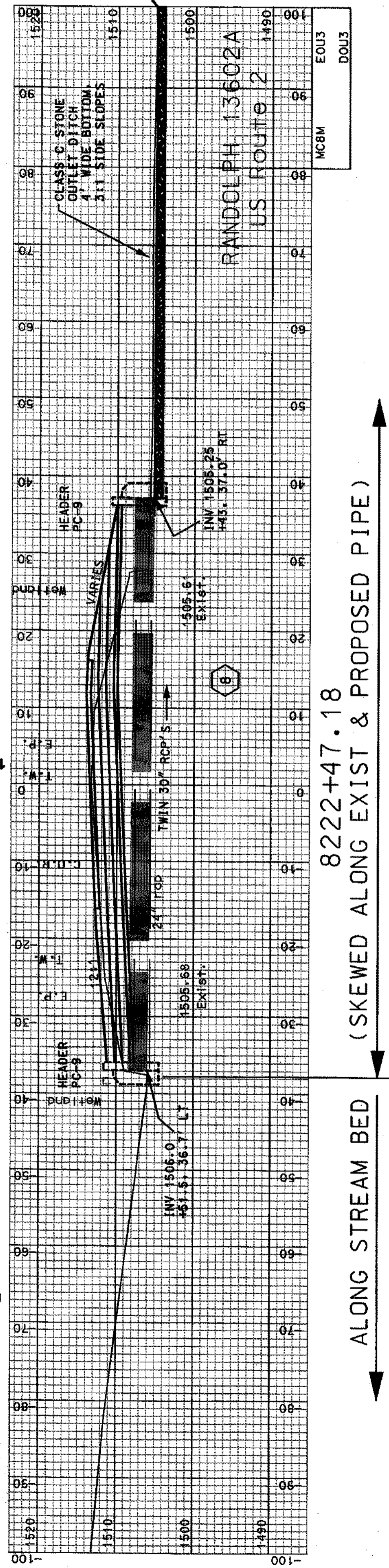
8229+23.25

(SKEWED ALONG EXIST & PROPOSED PIPE)

ALONG STREAM BED

Exist. CARON

1513.2

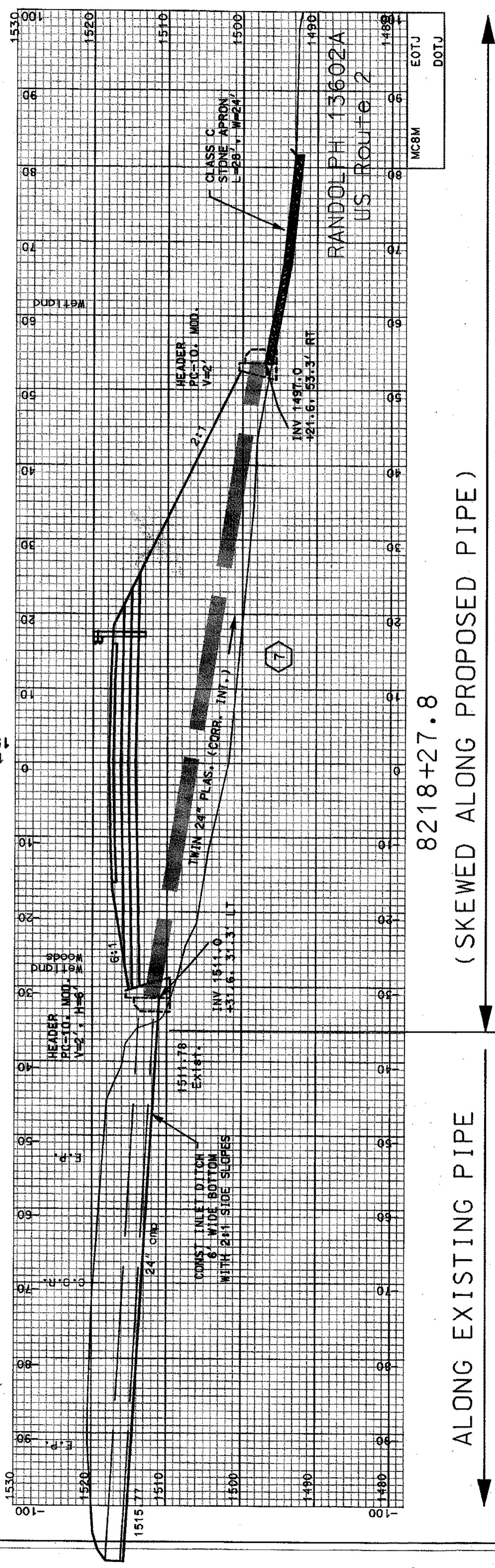


8222+47.18

(SKEWED ALONG EXIST & PROPOSED PIPE)

ALONG STREAM BED

1517.8
1500.8

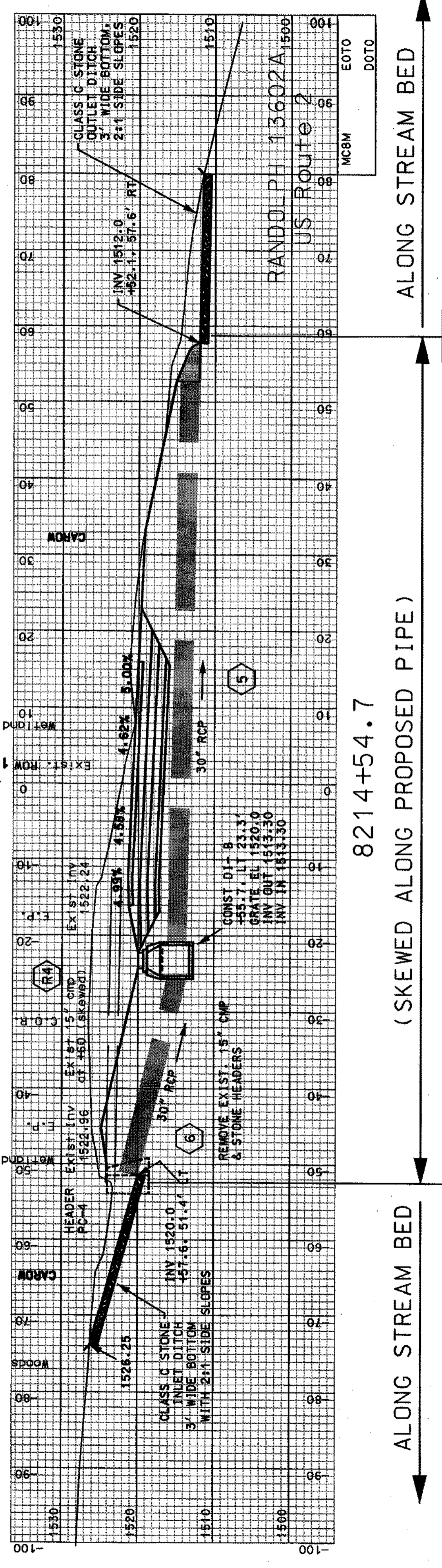


8218+27.8

(SKEWED ALONG PROPOSED PIPE)

ALONG EXISTING PIPE

1520.8
1522.2



8214+54.7

(SKEWED ALONG PROPOSED PIPE)

ALONG STREAM BED

COMMON EXCAV.	C.Y.	ROCK EXCAV.	C.Y.
FILL	C.Y.	MUCK EXCAV.	C.Y.
DON		STATE PROJECT NO.	13602A
13602AXSAS		SHEET NO.	64
		TOTAL SHEETS	64

AS0021 13602A 2147 13602A

05/01/2009 11:02:36 AM 13602A