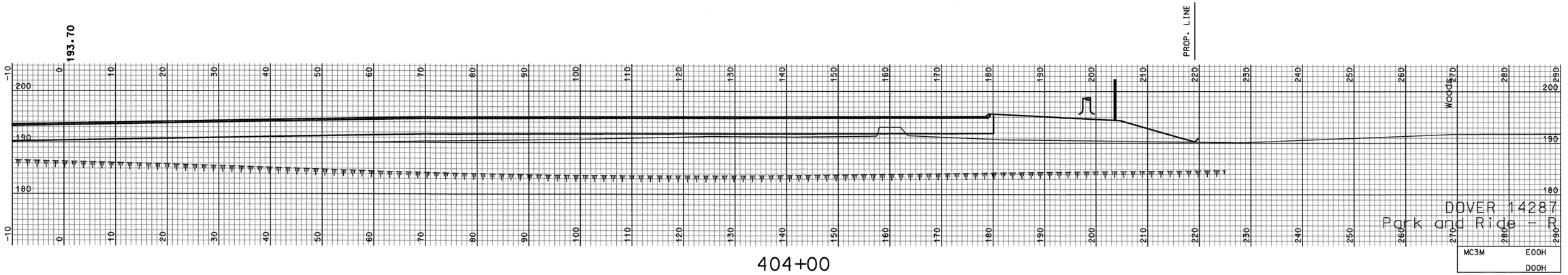

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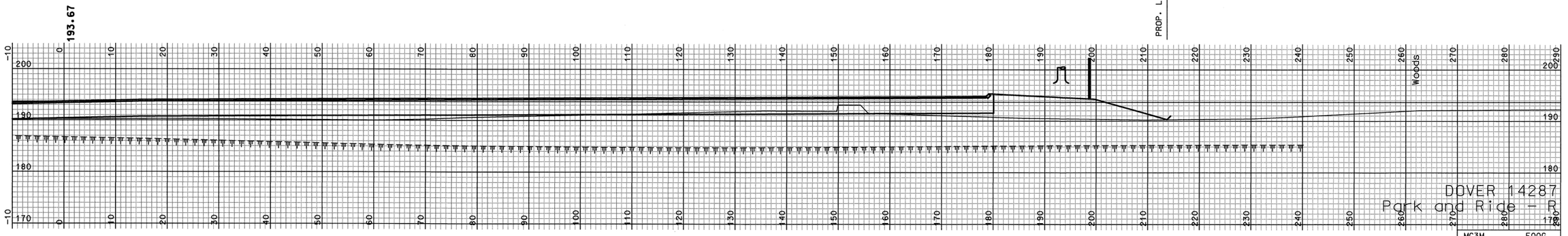

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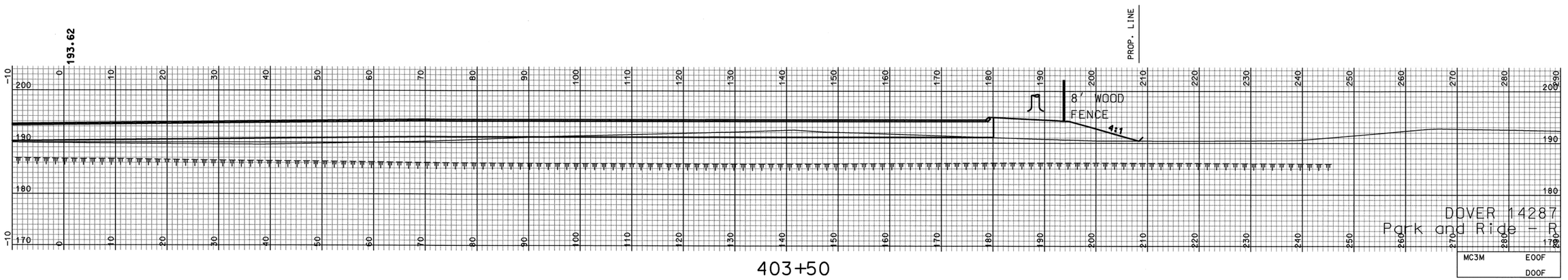


403+50

REVISIONS AFTER PROPOSAL

STATION	STATION	DESCRIPTION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

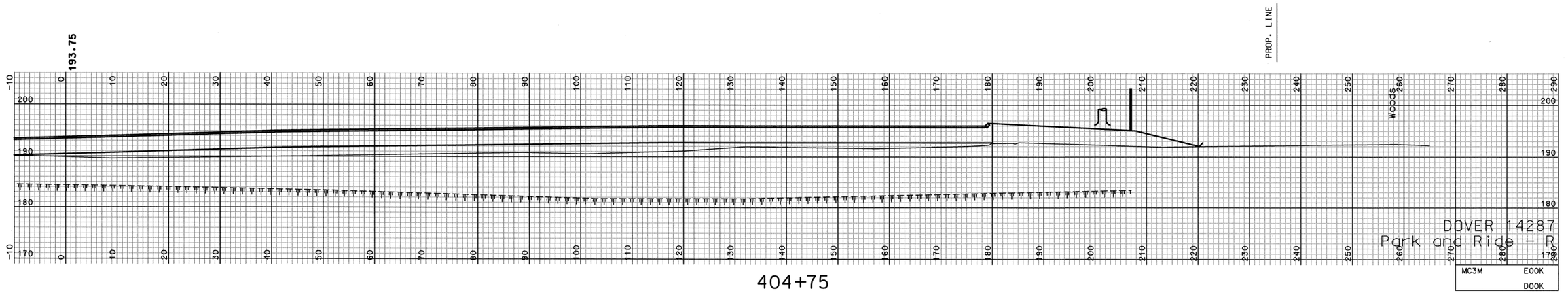
COMMON EXCAV.	57.86 C.Y.	ROCK EXCAV.	– C.Y.
FILL	667.42 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	37	43

REVISIONS AFTER PROPOSAL

STATION	DESCRIPTION	NUMBER	DATE	STATION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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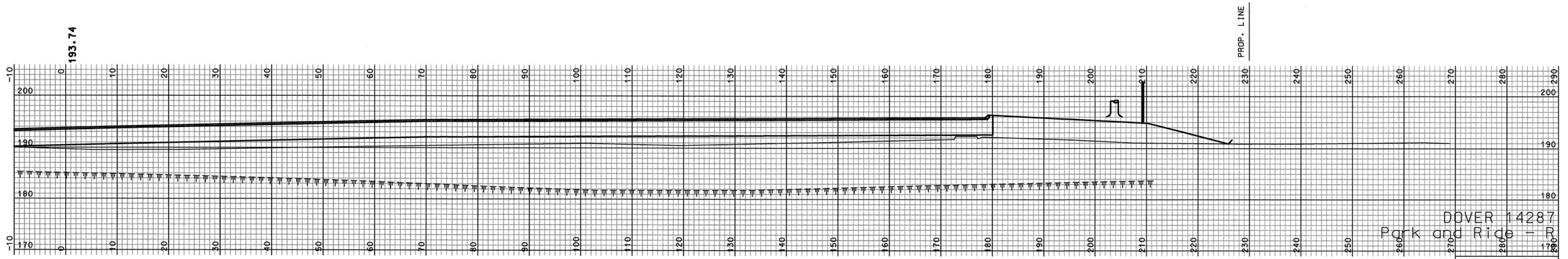

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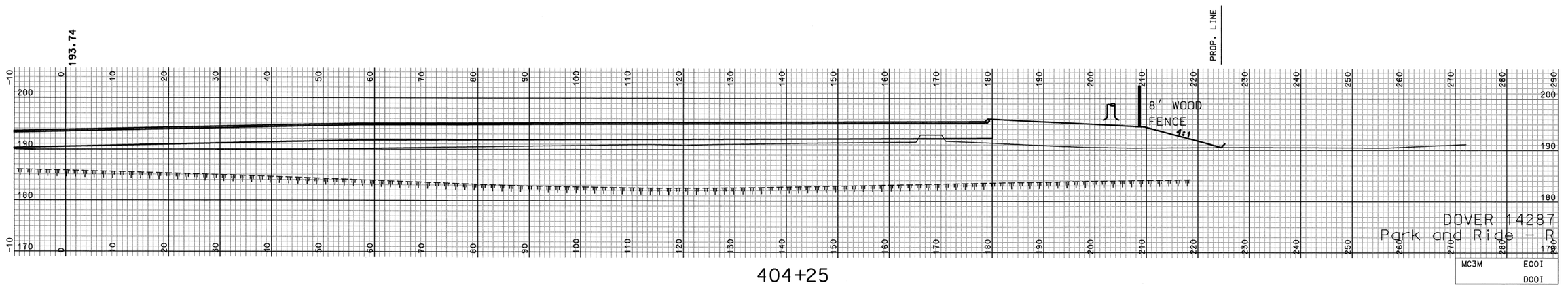
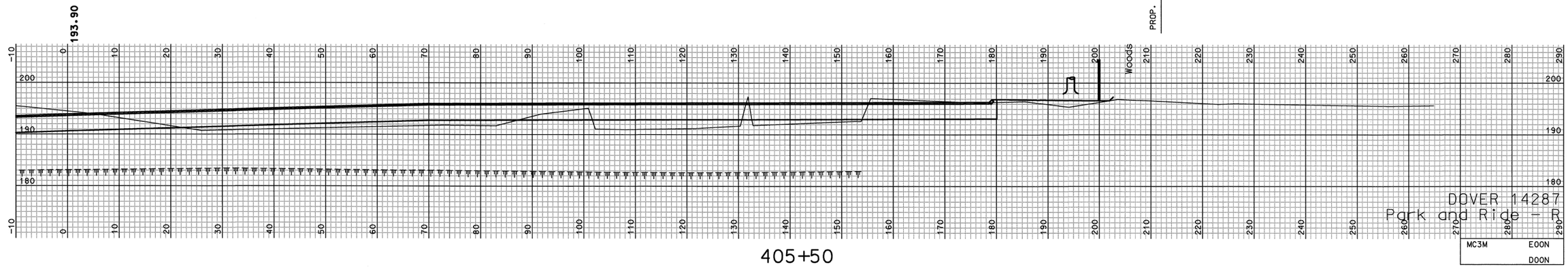


404+25

SHEET TOTALS

COMMON EXCAV.	5.87 C.Y.	ROCK EXCAV.	– C.Y.
FILL	946.83 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsr	14287	38	43



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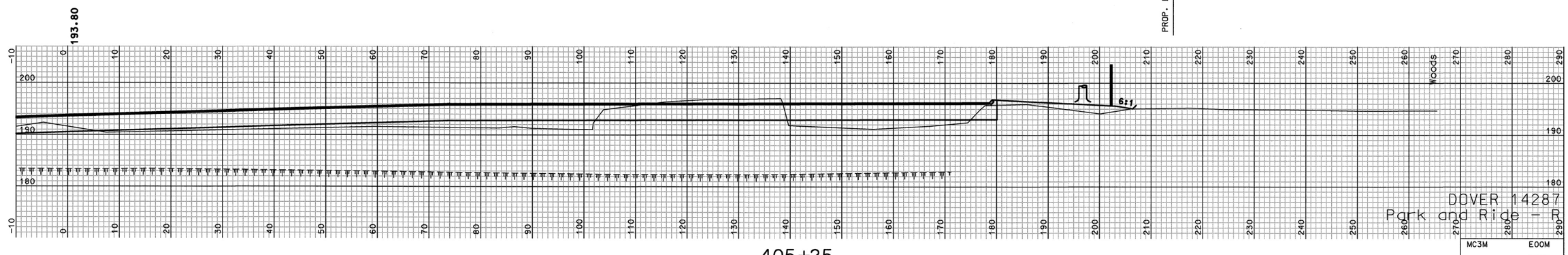

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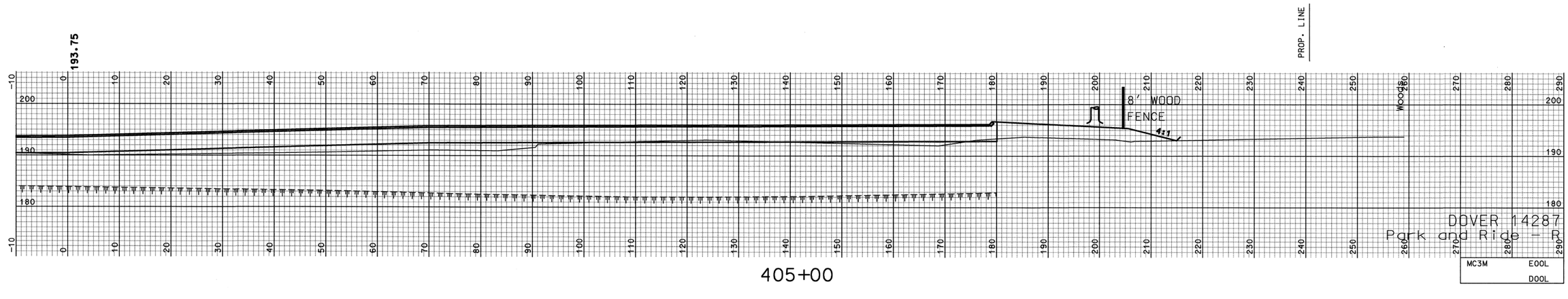


405+00

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

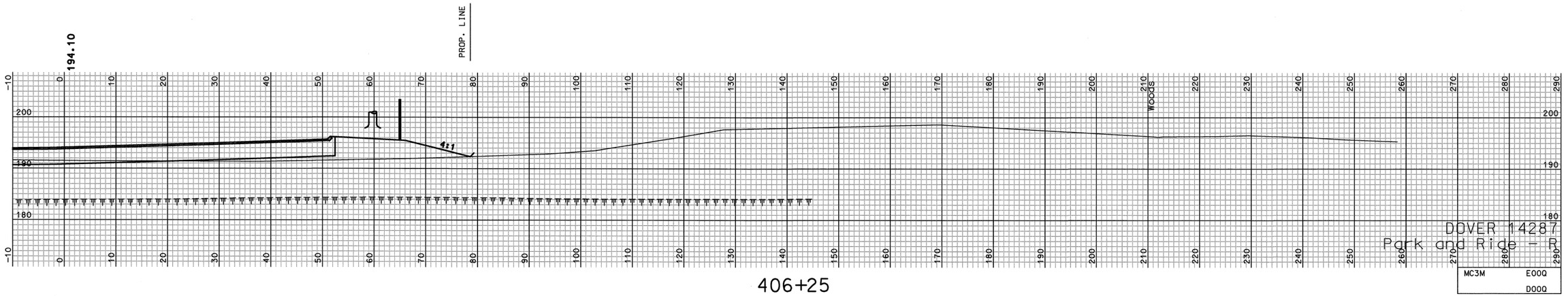
SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 340.94 C.Y. ROCK EXCAV. - C.Y.

FILL 408.19 C.Y. MUCK EXCAV. - C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsr	14287	39	43



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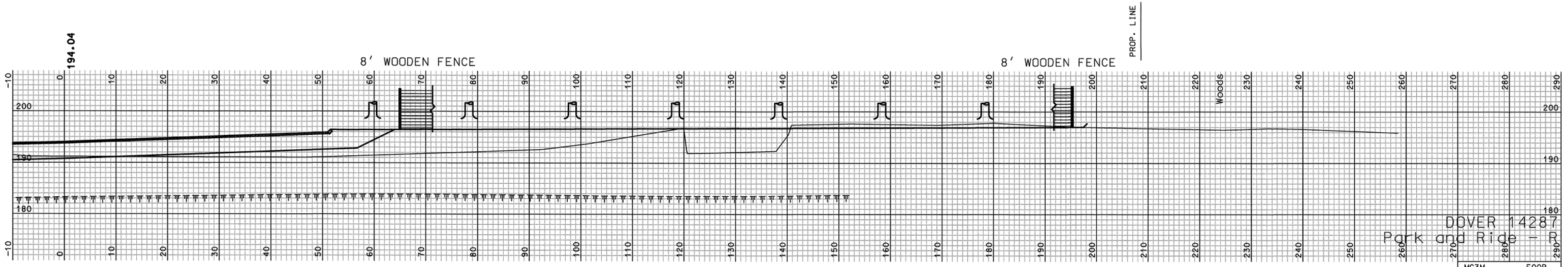
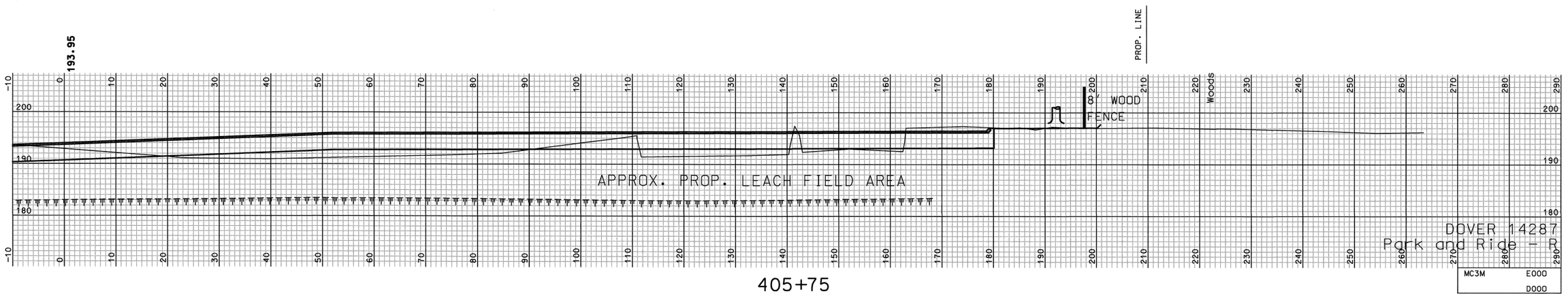


406+00



405+75

REVISIONS AFTER PROPOSAL

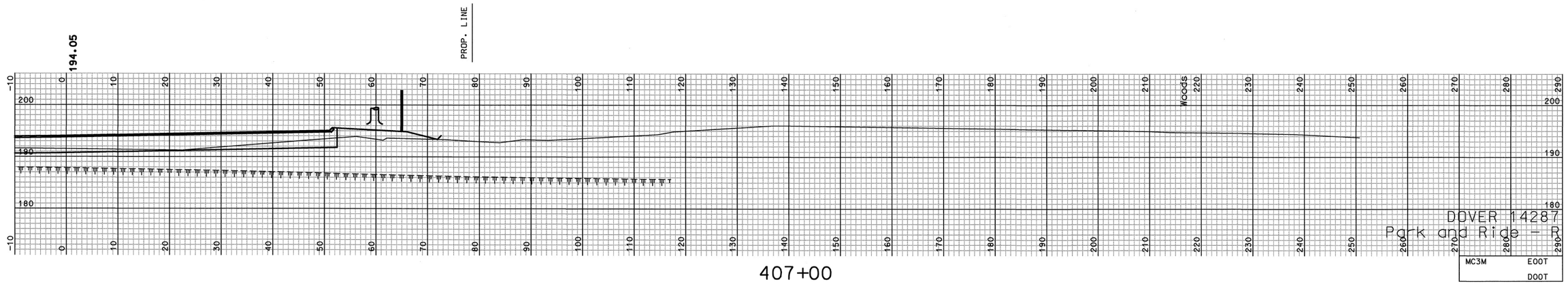
NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

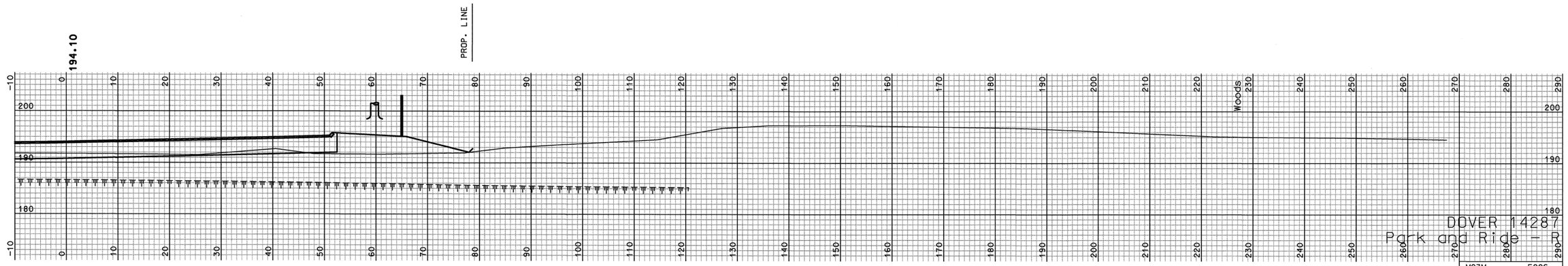
SHEET TOTALS

COMMON EXCAV.	107.99 C.Y.	ROCK EXCAV.	– C.Y.
FILL	475.36 C.Y.	MUCK EXCAV.	– C.Y.

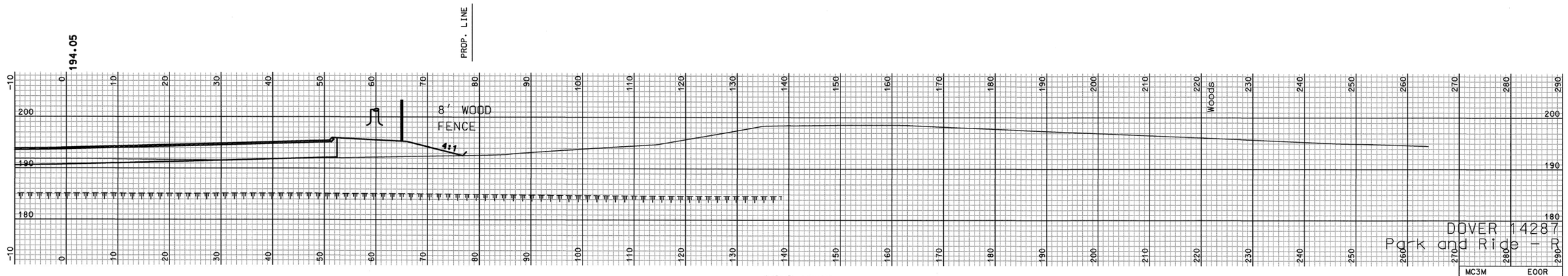
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsr	14287	40	43



407+00



406+75



406+50

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

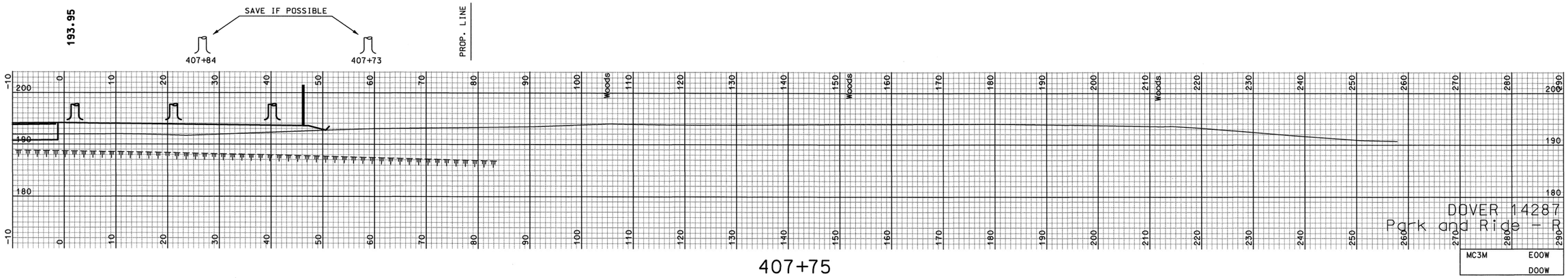
SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

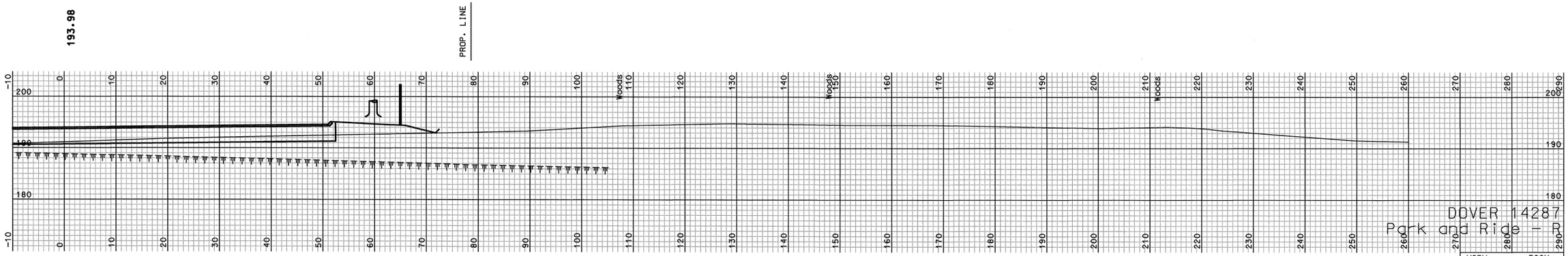
COMMON EXCAV. 76.99 C.Y. ROCK EXCAV. – C.Y.

FILL 139.16 C.Y. MUCK EXCAV. – C.Y.

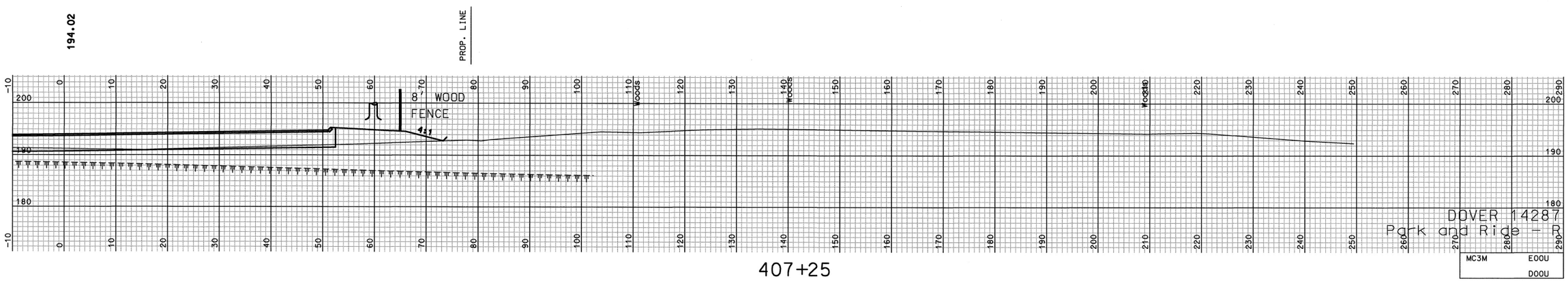
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	41	43



407+75
(SKEWED)



407+50



407+25

REVISIONS AFTER PROPOSAL

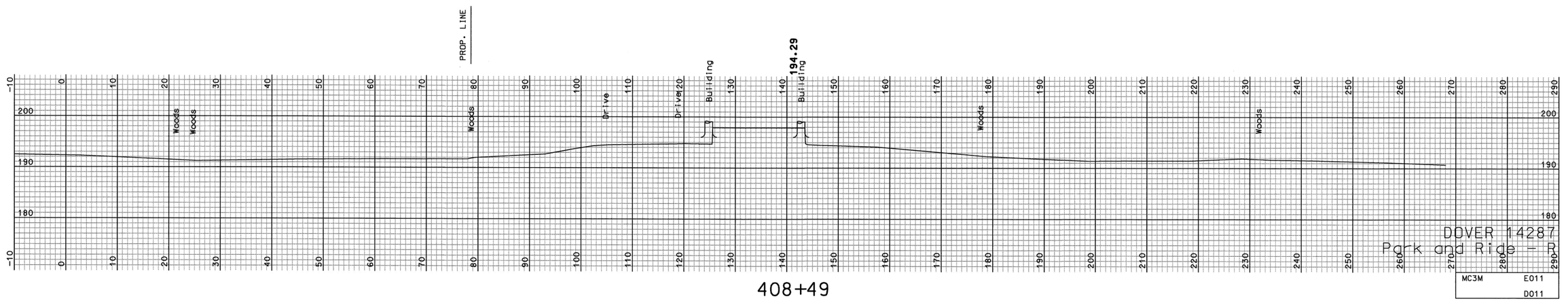
NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

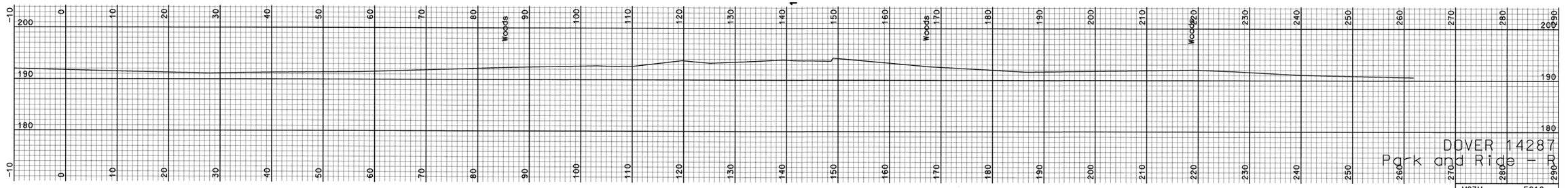
SHEET TOTALS

COMMON EXCAV.	51.67 C.Y.	ROCK EXCAV.	– C.Y.
FILL	138.28 C.Y.	MUCK EXCAV.	– C.Y.

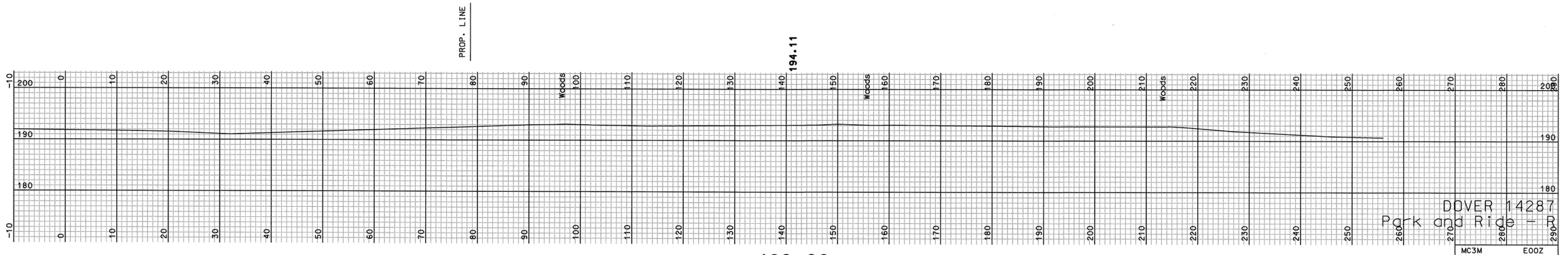
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	42	43



408+49



408+25



408+00

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. — C.Y. ROCK EXCAV. — C.Y.

FILL — C.Y. MUCK EXCAV. — C.Y.

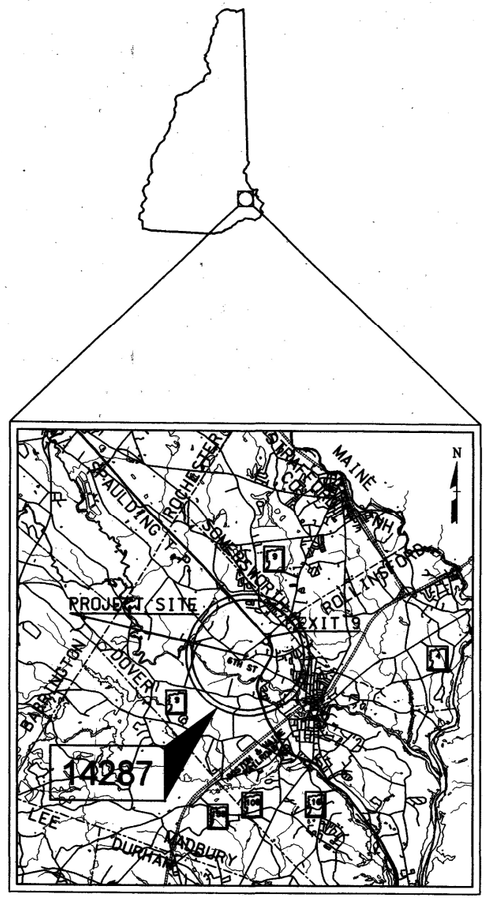
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	43	43

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLANS
FEDERAL AID PROJECT

X-A000(280)
N.H. PROJECT NO. 14287
INDIAN BROOK DRIVE
PARK AND RIDE FACILITY
(VOLUME 1)

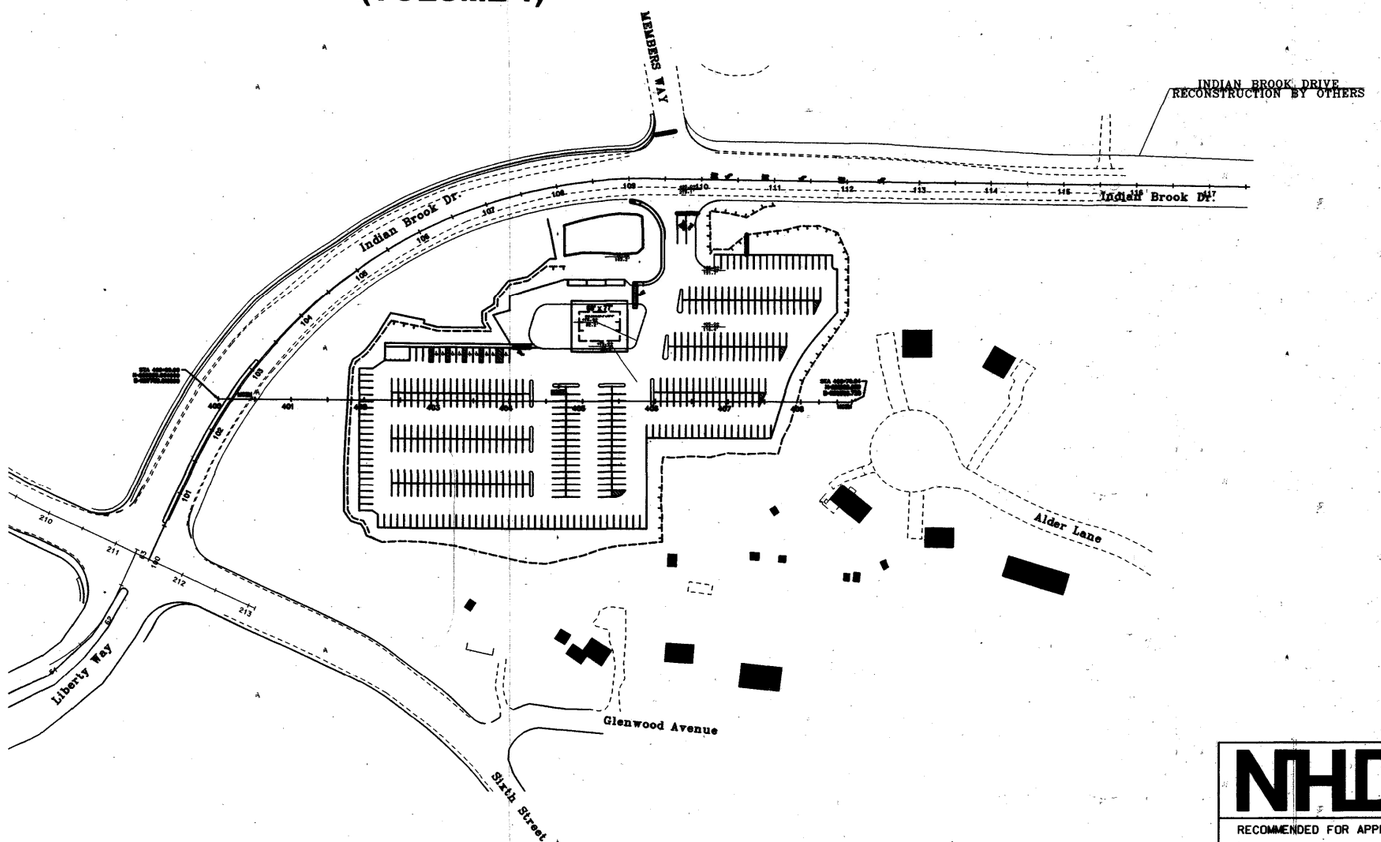
DESIGN DATA	
AVERAGE DAILY TRAFFIC 20 06	14,350
AVERAGE DAILY TRAFFIC 20 26	25,290
PERCENT OF TRUCKS	3.1%
DESIGN SPEED	35
LENGTH OF PROJECT	700'



LOCATION MAP

2 1 0 2 4 mi.

GRAPHIC SCALE



AS-BUILT PLANS

JANUARY 8, 2009

TOWN OF DOVER
COUNTY OF STRAFFORD

1"=100'

CRAIG A. GREEN No. 5059 REGISTERED PROFESSIONAL ENGINEER THE STATE OF NEW HAMPSHIRE

DRAWN BY MSH	DATE 12/05
CHECKED BY WAC	DATE 05/06

NHDOT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL:

DIRECTOR OF PROJECT DEVELOPMENT — DATE June 5, 2007

APPROVED:

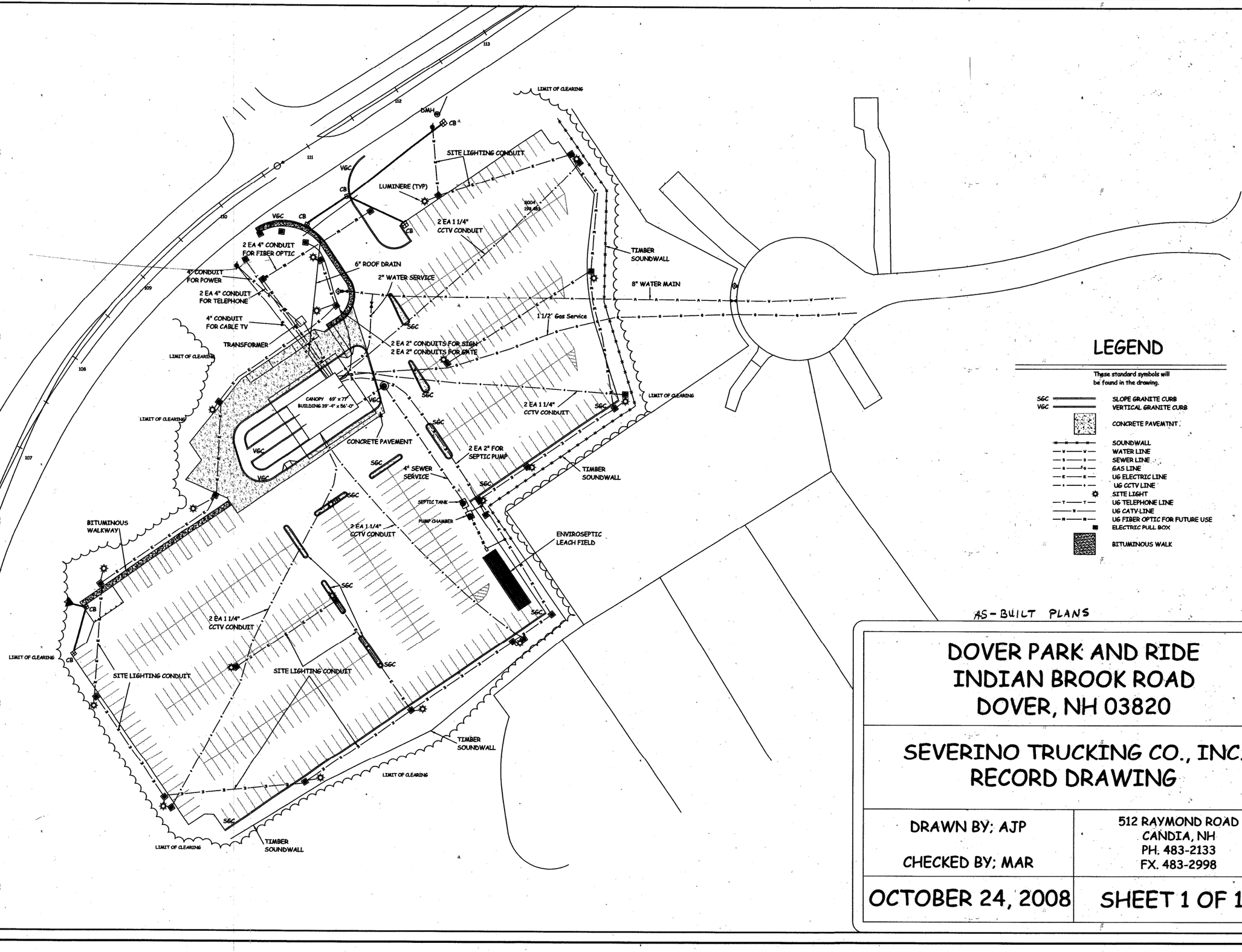
ASSISTANT COMMISSIONER AND CHIEF ENGINEER — DATE 6/5/07

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR — DATE

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A000(280)	14287	1	43



LEGEND

These standard symbols will be found in the drawing.

- SGC — SLOPE GRANITE CURB
- VGC — VERTICAL GRANITE CURB
- CONCRETE PAVEMTNT
- SOUNDWALL
- WATER LINE
- SEWER LINE
- GAS LINE
- UG ELECTRIC LINE
- UG CCTV LINE
- SITE LIGHT
- UG TELEPHONE LINE
- UG CATV LINE
- UG FIBER OPTIC FOR FUTURE USE
- ELECTRIC PULL BOX
- BITUMINOUS WALK

AS-BUILT PLANS

DOVER PARK AND RIDE
INDIAN BROOK ROAD
DOVER, NH 03820

SEVERINO TRUCKING CO., INC.
RECORD DRAWING

DRAWN BY: AJP CHECKED BY: MAR	512 RAYMOND ROAD CANDIA, NH PH. 483-2133 FX. 483-2998
OCTOBER 24, 2008	SHEET 1 OF 1

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
	VOLUME 1
1	TITLE PAGE
2	INDEX
3,4	STANDARD SYMBOLS
5,6	TYPICAL SECTIONS & DETAILS
7,8	SUMMARY OF QUANTITIES
	SPECIAL USE PLANS
9	SIGN TEXT LAYOUT
10	SIDEWALK CURB RAMP WITH DETECTABLE WARNINGS
11	ACCESSIBLE PARKING DETAIL
	ROADWAY / PARKING LOT PLANS
12	GENERAL PLANS
13	DRAINAGE NOTES
14	PAVEMENT MARKING & PERMANENT SIGN PLAN
15	CURBING & PAVEMENT LAYOUT PLAN
16	FINAL LIGHTING, FENCE & LANDSCAPING PLAN
	CROSS SECTIONS
17-30	PARK AND RIDE LEFT
31-43	PARK AND RIDE RIGHT

SEE VOLUME 2 FOR BUILDING AND BUILDING SITE PLANS.

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED SEL DATE 10/05
NEW DESIGN MSH DATE 12/05
SHEET CHECKED WAC DATE 05/06
AS BUILT DETAILS DATE

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 LIMITS OF PARCELS 3 AND 6 AND 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 12188. 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. ALL "+" STATIONS AND OFFSETS REFER TO THE 400+00 SERIES BASELINE ESTABLISHED FOR THIS PROJECT.
THE 100+00 & 200+00 SERIES ALIGNMENTS FOR INDIAN BROOK DR. & SIXTH ST. ARE ASSOCIATED WITH LIBERTY MUTUAL'S EXPANSION PROJECT AND ARE SHOWN FOR REFERENCE ONLY.

THE FOLLOWING GENERAL NOTES WILL BE USED ON THIS PROJECT:

1	3	7	8	10	11						

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

INDEX OF SHEETS AND GENERAL NOTES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
DetailsINDEX	14287	2	43

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	DATE	STATION

SDR PROCESSED SEL DATE 10/05
NEW DESIGN MSH DATE 12/05
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AS BUILT DETAILS DATE

EDGE OF PAVEMENT
TRAVELED WAY
PROPOSED ROADWAY
existing roadway

(pavement removed outside slope lines)

DRIVEWAYS
(label surface type)

BUILDINGS
(porch)
(building to be removed)
(label house or type of building)

FOUNDATION
(label type)

GUARDRAIL (LABEL TYPE)
(PROPOSED)
(existing)
bgr
cgr

CURB
(PROPOSED)
(existing)
(label type)

STEPS AND WALK
(label type)

INTERMITTENT WATER COURSE

SHORE LINE
river/stream
pond
(label name of water body)

BRUSH OR WOODS LINE

TREES (PLANS)
(deciduous)
(coniferous)
(stump)

TREES (CROSS-SECTIONS)
(show circumference in mm or feet & type)

HEDGE
(label type)

WELL
W

FLAG POLE
fp

GENERAL CULTURE

LEACH FIELD
leach field

GAS PUMP
gp

FUEL TANK (ABOVE GROUND)
ft (label size & type)

SEPTIC TANK
S

GRAVE
gr

BRIDGE CROSSING STREAM

HIGHWAY OVERPASS

ROCK OUTCROP

ORIGINAL GROUND (TYPICALS)

ROCK LINE (TYPICALS & SECTIONS ONLY)

STONE WALL
(existing)
(PROPOSED)

RETAINING WALL (LABEL TYPE)
(existing)
(PROPOSED)
(points toward retained ground)

FENCE (BARBED WIRE)

FENCE (OTHER)
(existing)
(PROPOSED)
(label fence type)

SIGNS
(single post)
(double post)

MAILBOX
mb

SATELLITE DISH ANTENNA
da

WETLANDS

WETLAND DESIGNATION NUMBER
17
PUB2E

DELINEATED WETLAND
DW

POTENTIAL WET AREA SYMBOL

ENGINEERING

CONSTRUCTION BASELINE
30 31 32

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)

SLOPE LINE
CLEARING LINE
SLOPE LINE
CLEARING LINE

SLOPE LINE (FILL)

SLOPE LINE (CUT)

PROFILES AND CROSS SECTIONS:
ORIGINAL GROUND ELEVATION (LEFT) 22.10 / 24.123 (metric) 72.5 / 79.14 (english)
FINISHED GRADE ELEVATION (RIGHT)

INTERSTATE NUMBERED HIGHWAY
93

UNITED STATES NUMBERED HIGHWAY
4

STATE NUMBERED HIGHWAY
175

BORING LOCATION
B1

TEST PIT
TP1

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

STANDARD SYMBOLS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
DetailsSTDSYMB	14287	3	43

DRAINAGE

MANHOLE ⊙mh — (existing) — MANHOLE ●
CATCH BASIN ⊡cb — (existing) — CATCH BASIN ■ (PROPOSED)
DROP INLET ⊡di — (existing) — DROP INLET ■ (PROPOSED)

DRAINAGE PIPE (existing) — (label size & type)
DRAINAGE PIPE (PROPOSED)
UNDERDRAIN (existing) — show direction of flow — (label size & type)
UNDERDRAIN (PROPOSED)
HEADER (existing & PROPOSED)
END SECTION (existing & PROPOSED) — METAL / RCP
OPEN DITCH (PROPOSED)
EROSION CONTROL/ STONE SLOPE PROTECTION

FLOODPLAIN / FLOODWAY

500 YEAR FLOODPLAIN BOUNDARY — FP500
100 YEAR FLOODPLAIN BOUNDARY — FP100
FLOODWAY — FW

BOUNDARIES / RIGHT-OF-WAY

RIGHT-OF-WAY LINE — (label type)
PROPERTY LINE — HATFIELD / McCOY
TOWN LINE — BOW / CONCORD
COUNTY LINE — COOS / GRAFTON
STATE LINE — MAINE / NEW HAMPSHIRE
BOUND ⊡Bnd ⊡NH BND
STATE LINE/ TOWN LINE MONUMENT ⊡S/L ⊡T/L
NHDOT PROJECT MARKER △
IRON PIPE OR PIN ⊙ip ⊙IP
DRILL HOLE IN ROCK ⊙dh
NATIONAL FOREST
PROPERTY PARCEL NUMBER (12)
HISTORIC PROPERTY Ⓗ

UTILITIES

TELEPHONE POLE
POWER POLE
JOINT OCCUPANCY
MISCELLANEOUS/UNKNOWN POLE
GUY POLE OR STUB
(plot point at face not center of symbol)

POLE STATUS: REMOVE, LEAVE, PROPOSED, OR TEMPORARY AS APPLICABLE e.g.:
R L P+22.0 4.80 (metric) T+22.0 4.80 P+35 29.1' (english) T+35 29.1'

LIGHT POLE
LIGHT ON POWER POLE
LIGHT ON JOINT POLE
existing — (PROPOSED)

RAILROAD — (label ownership)
RAILROAD SIGN
RAILROAD SIGNAL
GROUND LIGHT/LAMP POST ⊡gl ⊡lp

UNDERGROUND UTILITIES

WATER (existing) W — W
WATER (PROPOSED) PW — PW
SEWER (existing) S — S
SEWER (PROPOSED) PS — PS
TELEPHONE (existing) T — T
TELEPHONE (PROPOSED) PT — PT
ELECTRIC (existing) E — E
ELECTRIC (PROPOSED) PE — PE
GAS (existing) G — G
GAS (PROPOSED) PG — PG
LIGHTING (existing) L — L
LIGHTING (PROPOSED) PL — PL
OVERHEAD ELECTRIC TRANSMISSION LINE OE — OE
(label size, type and, on existing lines, note if abandoned)

UTILITY JUNCTION BOX ⊠jb (existing) ⊠JB (PROPOSED)

WATER GATE
WATER SHUT OFF
GAS SHUT OFF
MANHOLE
SEWER
TELEPHONE
ELECTRICAL
GAS
HYDRANT
(existing) — (PROPOSED) MH-S MH-T MH-E MH-G

TRAFFIC SIGNALS

MAST ARM (existing)
MAST-ARM (PROPOSED) (WITH TRAFFIC SIGNAL HEADS) (metric) 9.0 MA (note angle from ℄ to arm) (english) 30' MA
OPTICOM RECEIVER
OPTICOM STRobe
TRAFFIC SIGNAL (existing) (existing) (PROPOSED)
PEDESTAL WITH PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON UNIT
STEEL SPAN WIRE POLES
SIGNAL CONDUIT (existing)
SIGNAL CONDUIT (PROPOSED)
CONTROLLER CABINET (existing) ⊠cc (PROPOSED) ⊠CC
METER PEDESTAL ⊠mp ⊠MP
PULL BOX ⊡pb ⊡PB
HAND HOLE ⊡hh ⊡HH

LOOP DETECTOR (QUADRUPOLE) (existing) (PROPOSED) (label size)
LOOP DETECTOR (RECTANGULAR) (existing) (PROPOSED) (label size)

REVISIONS AFTER PROPOSAL

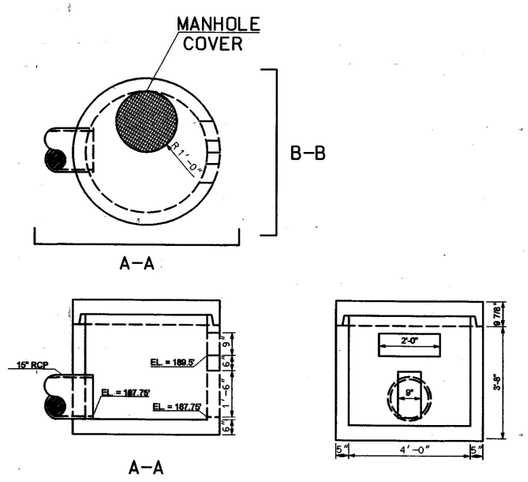
NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

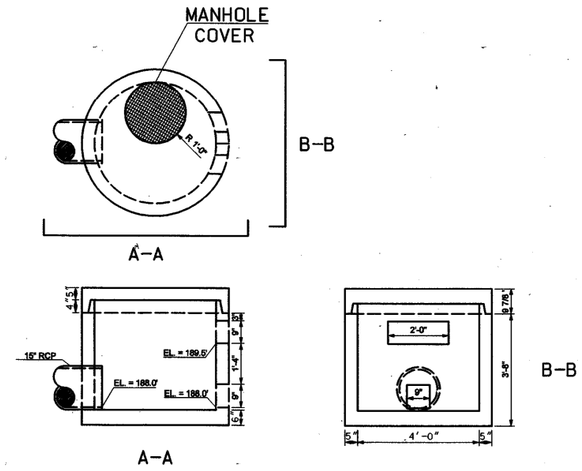
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

STANDARD SYMBOLS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
DetailsSTDSYMB	14287	4	43

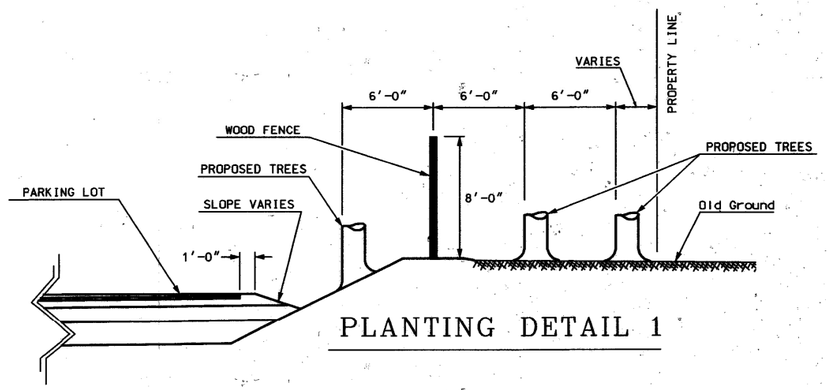


ITEM 604.3913
SPECIAL INLET STRUCTURE # 1

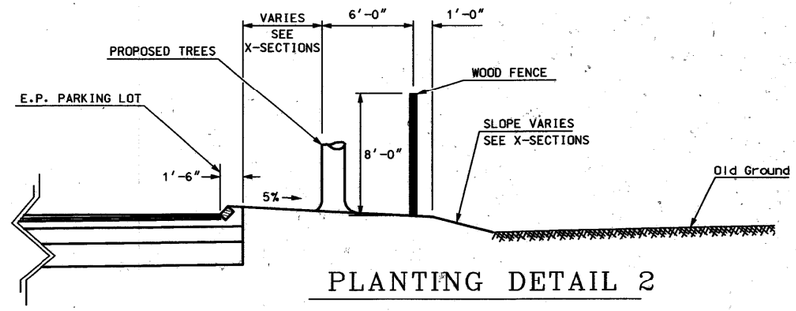


ITEM 604.3914
SPECIAL INLET STRUCTURE # 2

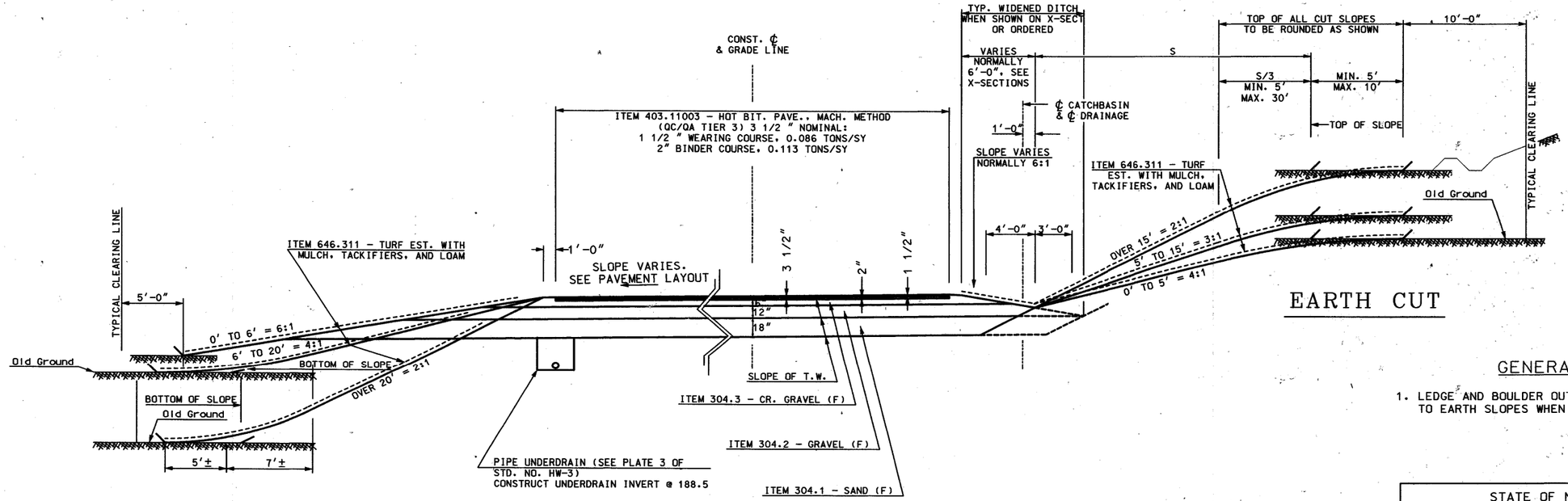
DRAINAGE STRUCTURES



PLANTING DETAIL 1



PLANTING DETAIL 2



PAVEMENT TYPICAL

EARTH CUT

GENERAL NOTES

1. LEDGE AND BOULDER OUTCROPS SHALL BE REMOVED TO EARTH SLOPES WHEN ORDERED BY THE ENGINEER.

REVISIONS AFTER PROPOSAL

STATION	DESCRIPTION

NUMBER	DATE

SDR PROCCESSED	SEL
NEW DESIGN	MSH
SHEET CHECKED	WAC
AS BUILT DETAILS	

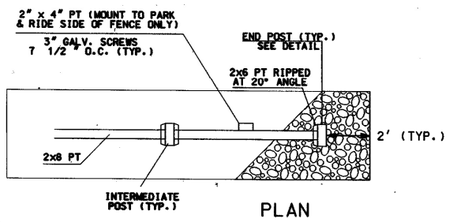
	DATE
	10/05
	12/05
	05/06
	DATE

STATE OF NEW HAMPSHIRE

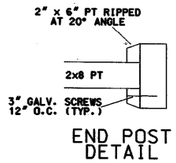
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

TYPICAL SECTIONS & DETAILS

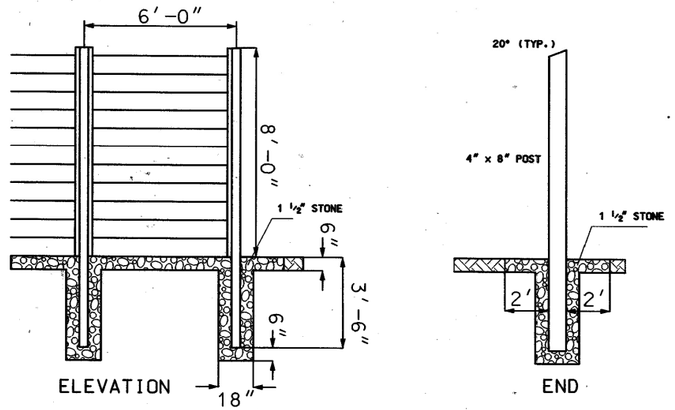
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
Typical Sheet	14287	5	43



PLAN

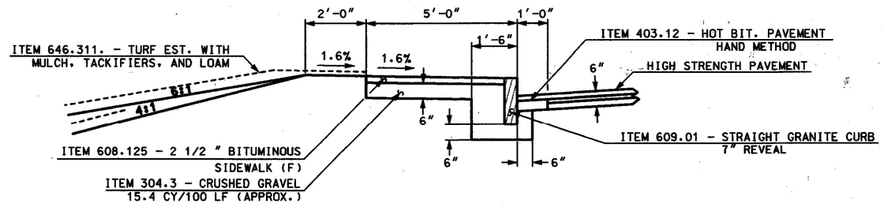


END POST DETAIL

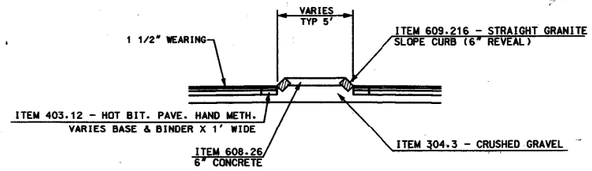


ELEVATION END

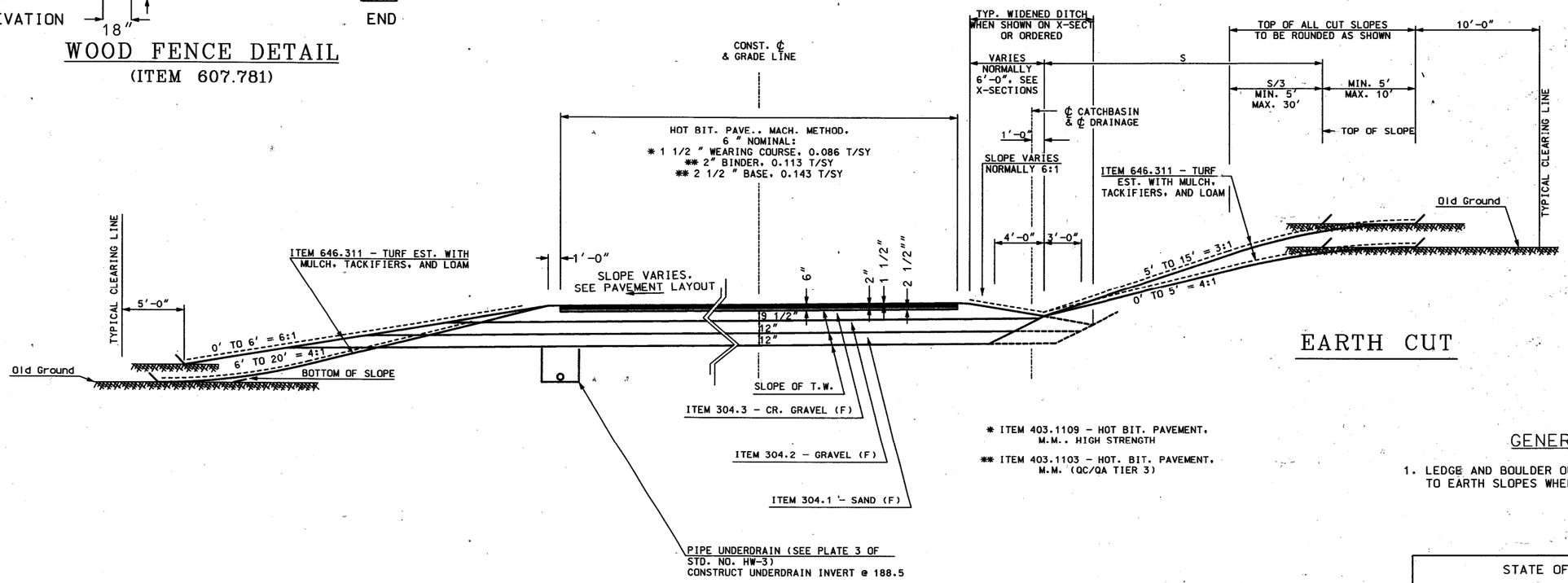
WOOD FENCE DETAIL
(ITEM 607.781)



CURBED SIDEWALK DETAIL



6" CONCRETE ISLAND



EARTH CUT

HIGH STRENGTH PAVEMENT TYPICAL

* ITEM 403.1109 - HOT BIT. PAVEMENT, M.M., HIGH STRENGTH

** ITEM 403.1103 - HOT. BIT. PAVEMENT, M.M. (QC/QA TIER 3)

GENERAL NOTES

1. LEDGE AND BOULDER OUTCROPS SHALL BE REMOVED TO EARTH SLOPES WHEN ORDERED BY THE ENGINEER.

NUMBER	DESCRIPTION	STATION	DATE
	REVISIONS AFTER PROPOSAL		

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

TYPICAL SECTIONS & DETAILS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
Typical Sheet	14287	6	43

DRAINAGE SUMMARY

	603.34112	603.83212	603.83215	604.12	604.3913	604.3914	605.506	605.79	
	12" STEEL END SECTIONS	12" PLASTIC PIPE (SMOOTH INTERIOR)	15" PLASTIC PIPE (SMOOTH INTERIOR)	CATCH BASINS TYPE B	SPECIAL INLET STRUCTURE	SPECIAL INLET STURCTURE	6" PERF. CORR. POLYETHYLENE PIPE UND.	UNDERDRAIN FLUSHING BASINS	COMMENTS
DRAINAGE NOTE	EA	LF	LF	U	U	U	LF	EA	
1					1	*			AS-BUILT TOTALS
2					*	1			AS-BUILT TOTALS
3	1	13.7		1					
4		42.1		1					
5			~~114.0~~ 84.0	1					AS-BUILT TOTALS
6	1	57.2		1			170.0	1	AS-BUILT TOTALS
7		41.1	~~41.0~~	1					
8			~~60.3~~	1					AS-BUILT TOTALS
U1							93.9	1	
U2							103.7	1	
U3							158.0	1	
U4							~~154.0~~ 180.0	1	AS-BUILT TOTALS
SUB-TOTAL	~~2~~ 4	154.1	111.6	6	1	1	509.8	~~5~~ 4	AS-BUILT TOTALS
ROUNDING	0	5.9	3.4	0	0	0	5.2	0	
TOTAL	~~2~~ 1	160.0	~~115.0~~ 120.0	6	1	1	~~515.0~~ 485.6	~~5~~ 4	AS-BUILT TOTALS

SIDEWALK

ITEM NO.	608.125	608.24	608.26	608.54
DESCRIPTION	2 1/2" BITUMINOUS SIDEWALK (F)	4" CONCRETE SIDEWALK (F)	6" CONCRETE SIDEWALK (F)	DETECTABLE WARNING PANELS CAST IRON
UNIT	SY	SY	SY	SY
LOCATION				
STA. 405+72 LT. 132		2.8		1.1
STA. 405+72 LT. 158		2.8		1.1
STA. 405+75 LT 161 - 405+72 LT 273	78.4			
STA. 405+69 LT. 275		4.1		1.5
STA. 404+30 RT.			20.0	
STA. 404+30 RT.			20.0	
STA. 404+30 LT.			20.0	
STA. 404+78 LT.			20.0	
STA. 405+41 LT.			20.0	
STA. 405+96 LT.			19.9	
STA. 406+14 LT.			22.2	
STA. 406+34 LT.			22.2	
STA. 402+50 LT.			70	
SUBTOTAL	78.4	9.7	234.2	3.7
ROUNDING	1.6	0.3	5.8	1.3
TOTAL	80	10	240	5

CURBING

ITEM NO.	MARK NUMBER	RADIUS (FT)	609.01	609.216	609.226
DESCRIPTION			STRAIGHT GRANITE CURB	STRAIGHT GRANITE SLOPE CURB, 6" HIGH	STRAIGHT GRANITE SLOPE CURB W/ RADIAL JOINTS, 6" HIGH
UNIT			LF	LF	LF
405+65.5 LT. 275.8' - 406+12.7 LT. 225.9'	G-1	50	79.7		
406+12.7 LT. 188.3' - 406+12.7 LT. 225.9'	G-2		37.6		
406+12.7 LT. 188.3' - 405+82.7 LT. 158.3'	G-3	30	47.1		
405+69.5 LT. 163.3' - 405+57.5 LT. 166.3'	G-4		20.5		
406+54.3 LT. 240.1' - 406+89.3 LT. 275.1'	G-5	35		55.0	
406+54.3 LT. 202.5' - 406+54.3 LT. 240.1'	G-6			37.6	
406+54.3 LT. 202.5' - 406+74.3 LT. 182.5'	G-7	20		31.4	
406+74.3 LT. 182.5' - 406+80.7 LT. 182.5'	G-8			6.4	
405+88.1 RT. 51.0' - 407+59.1 RT. 51.0'	G-12			171.0	
402+19.1 RT. 178.6' - 405+88.1 RT. 178.6'	G-14			369.0	
404+27.3 RT. 132.1' - 404+32.3 RT. 132.1'	G-15	2.5			7.9
404+32.3 RT. 132.1' - 404+32.3 RT. 100.1'	G-16			32.0	
404+27.3 RT. 100.1' - 404+32.3 RT. 100.1'	G-17	2.5			7.9
404+27.3 RT. 132.1' - 404+27.3 RT. 100.1'	G-18			32.0	
404+27.3 RT. 69.1' - 404+32.3 RT. 69.1'	G-19	2.5			7.9
404+32.3 RT. 69.1' - 404+32.3 RT. 37.1'	G-20			32.0	
404+27.3 RT. 37.1' - 404+32.3 RT. 37.1'	G-21	2.5			7.9
404+27.3 RT. 69.1' - 404+27.3 RT. 37.1'	G-22			32.0	
404+27.3 RT. 6.1' - 404+32.3 RT. 6.1'	G-23	2.5			7.9
404+32.3 RT. 6.1' - 404+32.3 LT. 25.9'	G-24			32.0	
404+27.3 LT. 25.9' - 404+32.3 LT. 25.9'	G-25	2.5			7.9
404+27.3 RT. 6.1' - 404+27.3 LT. 25.9'	G-26			32.0	
404+61.6 LT. 23.4' - 404+61.6 LT. 18.4'	G-27	2.5			7.9
404+61.6 LT. 18.4' - 404+93.6 LT. 18.4'	G-28			32.0	
404+93.6 LT. 18.4' - 404+93.6 LT. 23.4'	G-29	2.5			7.9
404+61.6 LT. 23.4' - 404+93.6 LT. 23.4'	G-30			32.0	
405+24.6 LT. 23.4' - 405+24.6 LT. 18.4'	G-31	2.5			7.9
405+24.6 LT. 18.4' - 405+56.6 LT. 18.4'	G-32			32.0	
405+56.6 LT. 18.4' - 405+56.6 LT. 23.4'	G-33	2.5			7.9
405+24.6 LT. 23.4' - 405+56.6 LT. 23.4'	G-34			32.0	
405+93.4 RT. 4.0' - 405+98.4 RT. 4.0'	G-35	2.5			7.9
405+98.4 RT. 4.0' - 405+98.4 LT. 28.0'	G-36			32.0	
405+93.4 LT. 28.0' - 405+98.4 LT. 28.0'	G-37	2.5			7.9
405+93.4 RT. 4.0' - 405+93.4 LT. 28.0'	G-38			32.0	
406+09.8 LT. 61.7' - 406+17.7 LT. 61.1'	G-39	4			13.5
406+17.7 LT. 89.0' - 406+17.7 LT. 61.1'	G-40			27.9	
406+13.7 LT. 89.0' - 406+17.7 LT. 89.0'	G-41	2			6.3
406+09.8 LT. 61.7' - 406+13.7 LT. 89.0'	G-42			27.6	
406+29.5 LT. 124.7' - 406+37.4 LT. 124.1'	G-43	4			13.5
406+37.4 LT. 152.0' - 406+37.4 LT. 124.1'	G-44			27.9	
406+33.4 LT. 152.0' - 406+37.4 LT. 152.0'	G-45	2			6.3
406+29.5 LT. 124.7' - 406+33.4 LT. 152.0'	G-46			27.6	
406+80.7 LT. 182.5' - 406+80.7 LT. 201.0'	G-48			18.5	
405+82.7 LT. 158.3' - 405+74.5 LT. 158.3'	G-49		8.2		
	SUBTOTAL		193.1	1,183.9	134.4
	ROUNDING		6.9	1.1	0.6
AS-BUILT TOTALS			~~200.0~~ 378.8		
	TOTAL		~~200.0~~	1,185.0	135.0

LANDSCAPING AND SLOPE PROTECTION

ITEM NO.	641	645.531	646.3	651.34071	651.82071	652.13601	652.69601
DESCRIPTION	LOAM	SILT FENCE	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	PICEA GLAUCA WHITE SPRUCE 7' B & B	THUJA OCCIDENTALIS NIGRA DARK AMERICAN ARBORVITAE 7' B & B	ACER SACCHARUM GREEN MOUNTAIN SUGAR MAPLE, 2.5" CAL. B & B	QUERCUS RUBRA RED OAK 2.5" CAL. B & B
UNIT	CY	LF	ACRE	EA	EA	EA	EA
PARK & RIDE	880	2,000	1.63	10	58	5	5
SUB-TOTAL	880	2,000	1.63	10	58	5	5
ROUNDING	20	0	0.02	0	7	0	0
TOTAL	900	2,000	1.65	10	65	5	5

SIGNING

ITEM NO.	DESCRIPTION	UNIT	TOTAL
615.012	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS (F)	SF	143.00
615.02	TRAFFIC SIGN TYPE B (F)	SF	30.00
615.03	TRAFFIC SIGN TYPE C (F)	SF	88.50
615.05	TRAFFIC SIGN TYPE BB (F)	SF	12.33
615.06	TRAFFIC SIGN TYPE CC (F)	SF	10.17

SURFACING MATERIALS

ITEM NO.	304.1	304.2	304.3	403.11003	403.1109	403.12	REMARKS
DESCRIPTION	SAND (F)	GRAVEL (F)	CRUSHED GRAVEL (F)	HOT BITUMINOUS PAVEMENT, MACH. METHOD, QC/QA TIER 3	HOT BITUMINOUS PAVEMENT, MACH. METHOD, HIGH STRENGTH	HOT BITUMINOUS PAVEMENT, HAND METHOD	
UNIT	CY	CY	CY	TON	TON	TON	
LOCATION							
PARK & RIDE	9340.0	6476.0	3793.0	3,473.00	160.00	24.88	
SUB-TOTAL	9340	6,476	3,793	3,473.0	160.0	24.9	
ROUNDING	10	24	7	7.0	10.0	5.1	
TOTAL	9,350	6,500	3,800	3,480.00	170.00	30.00	

EARTHWORK

		CY	TOTAL
Common Excavation in Sections, Including Pavement		10,698	
Common Excavation Not In Sections (Bituminous Pavement)		0	
Drive and Approach Excavation		0	
Common Excavation for Wetland Creation		0	
Topsoil Removed Beneath Fill Sections		2,005	
Bituminous Pavement in Fill Sections		0	
Total Common Excavation		12,703	
COMMON EXCAVATION FOR ESTIMATE	ITEM 203.1		12,750
Rock Excavation As Estimated in Geotechnical Report		2,000	
Boulders in Sections		0	
Total Rock Excavation		2,000	
ROCK EXCAVATION FOR ESTIMATE	ITEM 203.2		2,000
Section Fills		3,350	
Topsoil Replacement		2,005	
Drive and Approach Fill		0	
Embankment-In-Place (F)		5,355	
EMBANKMENT-IN-PLACE FOR ESTIMATE	ITEM 203.6		5,400

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

		DATE
SDR PROCCESSED	SEL	10/05
NEW DESIGN	CZR	05/06
SHEET CHECKED	WAC	05/06

AS BUILT DETAILS — DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

SUMMARY TABLES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287SUM	14287	7	43

PAVEMENT MARKINGS

ITEM NO.	632.3104	632.3106	632.3118	632.32
DESCRIPTION	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, 4" LINE	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, 6" LINE	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, 18" LINE	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, SYMBOL OR WORD
LOCATION	LF	LF	LF	SF
~PARKING SPACE LINES~				
HANDICAP & MOTORCYCLE SPACES	781.4			
402+28 LT 54.4 - 403+99 LT 54.4				
SPACES @ 402+00	388.5			
SPACES 402+25 - 405+75	720.0			
SPACES 405+90 - 407+60	360.0			
SPACES 406+90 - 408+40	314.5			
SPACES REF. A-B	966.0			
SPACES REF. C-D	966.0			
SPACES REF. E-F	966.0			
SPACES REF. G-H	782.0			
SPACES REF. I-J	827.1			
SPACES REF. K-L	812.3			
SPACES REF. M-N	858.3			
SPACES REF. O-P	996.3			
EMPLOYEE PARKING 404+79.5 LT 158.3	110.0			
thru 405+57.5 LT 158.3				
406+30 LT. 216' - 253'	74.0			
406+42 LT. 216' - 253'	37.0			
405+69.5 LT 132.4 - 158.3		25.9		
405+74.5 LT. 132.4 - 158.3		25.9		
403+99.5 - 404+40.9 LT 72.9		41.4		
403+99.5 - 404+32.6 LT 77.9		33.1		
406+30 - 406+58 LT. 257'			28.0	
RIGHT TURN ARROW 404+20 LT. 64'				17.0
RIGHT TURN ARROW 406+46 LT. 234'				17.0
LEFT TURN ARROW 405+76 LT. 145'				17.0
COMB. ARROW 406+38 LT. 234'				28.8
HANDICAP SYMBOL 402+99 - 403+95 LT. 64'				23.4
SUBTOTAL	9959.4	126.3	28.0	103.2
ROUNDING	40.6	3.7	2.0	0.8
TOTAL	10,000	130.0	30.0	104.0

LIGHTING SUMMARY

Ref. No.	Ref. Line for Conduit	Location	614.331 3" Steel Conduit	614.511 Concrete Pull Box, 14"	614.523 Molded Pull Box, 17" x 30"	614.7318 3" PVC Conduit SCH 80	625.22 Concrete Light Pole Base	625.25 Concrete Light Pole Base 2' Reveal	625.551 Orna. Pole 18' Dual Head	625.552 Orna. Pole 20' Single Head	625.553 Orna. Pole 20' Dual Head
A		405+44, LT 173' (Power Source)									
D	A-D	405+44, LT 173' TO 405+99 LT 173'	~~29~~		1	~~29~~					
B	D-B	405+99 LT 173' TO 405+99 LT 216'	26		1	~~42~~ 25					
C	B-C	405+99 LT 216' TO 405+95 LT 223'				~~6~~ 7	1			1	
E	D-E	405+99 LT 173' TO 405+67 LT 179'	~~29~~ 13			~~8~~ 9	1			1	
F	D-F	405+99 LT 173' TO 404+44 LT 160'	26		1	~~100~~ 123					
G	F-G	404+44 LT 160' TO 404+38 LT 158'				~~8~~ 10	1			1	
H	F-H	404+44 LT 160' TO 403+96 LT 81'	26		1	~~87~~ 69					
I	H-I	403+96 LT 81' TO 403+67 LT 91'	~~29~~ 13			~~4~~ 15	1			1	
J	H-J	403+96 LT 81' TO 402+55 LT 81'	26		1	~~444~~ 175					
K	J-K	402+55 LT 81' TO 402+65 LT 91'	13			23.5	1			1	
L	J-L	402+55 LT 81' TO 401+91 RT 4'	26		1	~~94~~ 88					
M	L-M	401+91 RT 4' TO 401+83 RT 11'				~~4~~ 8.5	1			1	
N	L-N	401+91 RT 4' TO 401+91 RT 119'	26		1	~~89~~ 85					
O	N-O	401+91 RT 119' TO 401+83 RT 126'				~~10~~ 9	1			1	
P	N-P	401+91 RT 119' TO 403+07 RT 183'	26		1	~~402~~ 174					
Q	P-Q	403+07 RT 183' TO 403+22 RT 189'	13			~~9~~ 5.5	1			1	
R	P-R	403+07 RT 183' TO 404+30 RT 183'	26		1	~~97~~ 102					
S	R-S	404+30 RT 183' TO 404+39 RT 189'				11	1			1	
T	R-T	404+30 RT 183' TO 404+30 RT 57'	26		1	~~98~~ 107					
U	T-U	404+30 RT 57' TO 404+30 RT 51'				6	1				1
V	T-V	404+30 RT 57' TO 403+15' RT 57'	26	1		~~88~~ 94					
W	V-W	403+15 RT 57' TO 403+12 RT 54'				~~5~~ 4.5		1	1		
X	T-X	404+30 RT 57' TO 404+84 LT 22'	26		1	~~70~~ 76					
Y	X-Y	404+84 LT 22' TO 404+78 LT 22'				7	1				1
Z	R-Z	404+30' RT 183' TO 405+46' RT 183'	26		1	~~90~~ 97					
AA	Z-AA	405+46' RT 183' TO 405+52 RT 189'				~~6~~ 7	1		1		
BB	Z-BB	405+46 RT 183' TO 405+91 RT 183'	26		1	~~19~~ 23					
CC	BB-CC	405+91 RT 183' TO 405+91 RT 54'	26		1	~~103~~ 112					
DD	CC-DD	405+91 RT 54' TO 405+98 RT 55'				~~7~~ 4	1		1		
EE	CC-EE	405+91 RT 54' TO 406+51 RT 54'	26		1	~~94~~ 355					
FF	EE-FF	406+51 RT 54' TO 406+55 RT 58'				5	1			1	
GG	EE-GG	406+51 RT 54' TO 407+52 RT 54'	26		1	~~76~~ 80.5					
HH	GG-HH	407+52 RT 54' TO 407+64 RT 56'				12	1			1	
II	GG-II	407+52 RT 54' TO 408+05 LT 64'	26		1	~~109~~ 111					
JJ	II-JJ	408+05 LT 64' TO 408+05 LT 57'				7	1			1	
KK	II-KK	408+05 LT 64' TO 406+44 LT 69'	26	1		~~135~~ 121.5					
LL	KK-LL	406+44 LT 69' TO 406+43 LT 74'				5		1	1		
MM	II-MM	408+05 LT 64' TO 408+52 LT 164'	26		1	~~84~~ 72.5					
NN	MM-NN	408+52 LT 164' TO 408+55 LT 159'				~~6~~ 6.5	1			1	
OO	MM-OO	408+52 LT 164' TO 407+26 LT 204'	26		1	~~107~~ 112					
PP	OO-PP	407+26 LT 204' TO 407+17 LT 206'				~~9~~ 19	1			1	
		Source Pole to OO	36			46.5					
						2018.5					
		AS-BUILT TOTALS:	~~60~~ 684	2	19	~~78~~ 1892	18	2	2	16	2

INCIDENTAL ITEMS

ITEM NO.	DESCRIPTION	UNIT	TOTAL
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50
214	FINE GRADING	U	1
607.781	WOOD FENCE, 8' HIGH	LF	980
616.101	TRAFFIC SIGNALS	U	1
618.7	FLAGGERS	HR	200
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROL	HR	50
660.75	BUILDING	U	1
670.95	TEMPORARY SAFETY FENCE	LF	1,025
692	MOBILIZATION	U	1
698.14	FIELD OFFICE TYPE D	MON	12
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	$	1
1010.15	FUEL ADJUSTMENTS	$	1
1010.2	ASPHALT CEMENT ADJUSTMENT	$	1
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR ASPHALT	$	1

CLEARING AND GRUBBING

ITEM NO.		201.1
DESCRIPTION		CLEARING AND GRUBBING (F)
UNIT		A
LABEL	AREA (sf)	
A	242119	5.558
SUB-TOTAL		5.558
ROUNDING		0.002
TOTAL		5.56

SUBSIDIARY ITEMS

DESCRIPTION
MAINTENANCE OF TRAFFIC
CONNECTIONS TO EXISTING DRAINAGE
NOTE: THIS LIST SHOULD NOT BE CONSIDERED TO BE A LIST OF SUBSIDIARY WORK PRESENT IN THE PROJECT. REFER ALSO TO THE PLANS, PROPOSAL, SPECIAL PROVISIONS, AND TO THE STANDARD SPECIFICATIONS.

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	DATE	STATION

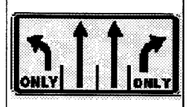
SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	CZR	DATE 05/06
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

SUMMARY TABLES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287SUM	14287	8	43

ITEM #	IDENT #	SIGN SIZE WIDTH (inch)	SIGN SIZE HEIGHT (inch)	TEXT	TEXT DIMENSIONS LETTER HEIGHT (inch) UC	LC	CAPS	SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.) NOM AREA	SIGN AREA (SQ. FT.) TOTAL AREA	POSTS PER SIGN BREAKAWAY	STEEL I-BEAM	CONCRETE BASE	4" OD ALUMINUM	U-CHANNEL-GALV.	REMARKS
615.03	R3-8(25)	36	30				4D				1	7.50	7.50					1	BLACK/WHITE
615.03	R3-8(134)	48	30				4D				1	10.00	10.00					2	BLACK/WHITE
615.03	R3-8(1335)	60	36				5D				1	15.00	15.00					2	BLACK/WHITE
615.03	R7-8(M)	18	24				3C 3C				9	3.00	27.00						GREEN/BLUE/WHITE SQUARE BLUE SYMBOL IS 8" x 8"
615.06	R7-8a	18	9				2D 1.5D				9	1.13	10.13						GREEN/WHITE MOUNT BELOW R7-8
615.012	D4-2(M)	132	78				12E 12E 10E				2	71.50	143.00	X	2				GREEN/WHITE
615.02	D4-2L(NH)	30	36				6D 4D 4D		14x4		1 2	7.50	15.00					1 1	GREEN/WHITE INSTALL SIGN ON INDIAN BROOK DRIVE GREEN/WHITE INSTALL SIGNS AT EXIT 9 OFF-RAMP
615.02	D4-2R(NH)	30	36				6D 4D 4D		14x4		1	7.50	15.00					1	GREEN/WHITE
615.05	SP-01	30	8				4D 4D				2	1.67	3.33						GREEN/WHITE MOUNT BELOW D4-2R & D4-2L
615.05	SP-02	36	36			3B	5C 5C			3B 3B	1	9.00	9.00					1	GREEN/WHITE

ITEM #	IDENT #	SIGN SIZE WIDTH (inch)	SIGN SIZE HEIGHT (inch)	TEXT	TEXT DIMENSIONS LETTER HEIGHT (inch) UC	LC	CAPS	SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.) NOM AREA	SIGN AREA (SQ. FT.) TOTAL AREA	POSTS PER SIGN BREAKAWAY	STEEL I-BEAM	CONCRETE BASE	4" OD ALUMINUM	U-CHANNEL-GALV	REMARKS
615.03	SP-03	30	24				5B 5B		18x26		1	5.00	5.00					1	WHITE/GREEN
615.03	SP-04	18	24				3B 3B 3B				3	3.00	9.00					1	BLACK/WHITE
615.03	SP-05	30	24				4B 4B 4B				1	5.00	5.00					1	BLACK/WHITE
615.03	SP-06	30	24				4C 4C 4C 4C				1	5.00	5.00					1	BLACK/WHITE
615.03	SP-07	24	30				3B 3B 3B 3B 3B 1.5B				1	5.00	5.00					1	BLACK/WHITE

GENERAL NOTES

1. REFER TO THE 2006 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PUBLISHED BY THE NHDOT.
2. NOTE NEW REFLECTIVITY REQUIREMENTS IN THE 2006 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 718 PUBLISHED BY THE NHDOT.
3. REFER TO THE LATEST EDITION OF THE STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AS PUBLISHED BY THE NHDOT FOR EXACT DETAILS OF PERMANENT SIGNING STANDARDS AND NHDOT SPECIFIC SIGNS.
4. REFER TO THE LATEST EDITION OF THE STANDARD HIGHWAY SIGNS MANUAL AS PUBLISHED BY THE USDOT-FHWA FOR EXACT DETAILS OF BORDERS, ETC.

REVISIONS AFTER PROPOSAL

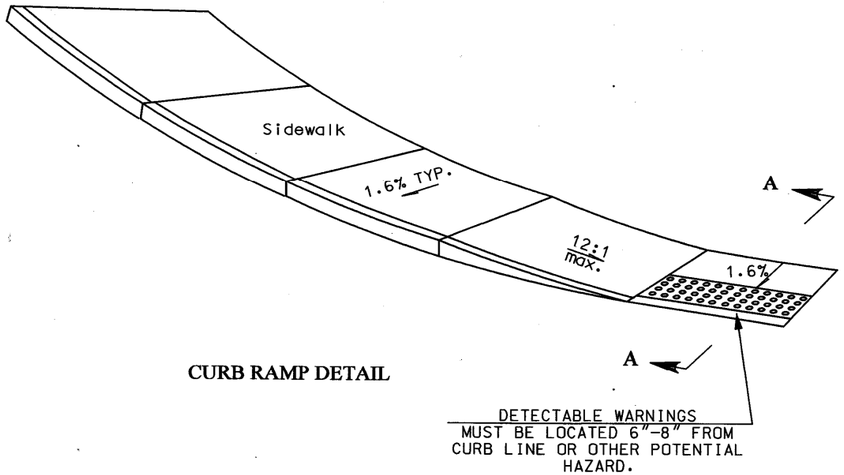
NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCCESSED SEL DATE 10/05
NEW DESIGN MSH DATE 12/05
SHEET CHECKED WAC DATE 05/06
AS BUILT DETAILS DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DESIGN

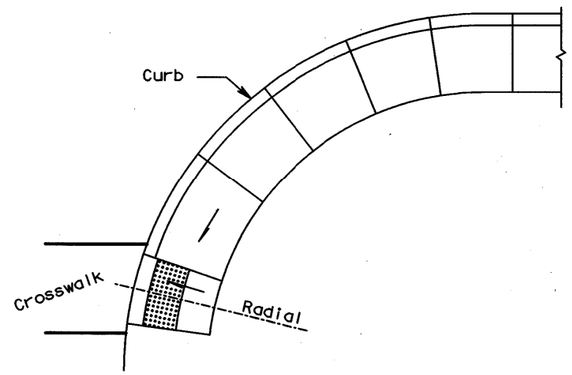
SIGN TEXT LAYOUT

EXCEL FILE NAME	STATE PROJECT NO.	FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
S:\ProjectDevelopment\Forms\Project\sgntxt-1.xls	14287		9	43

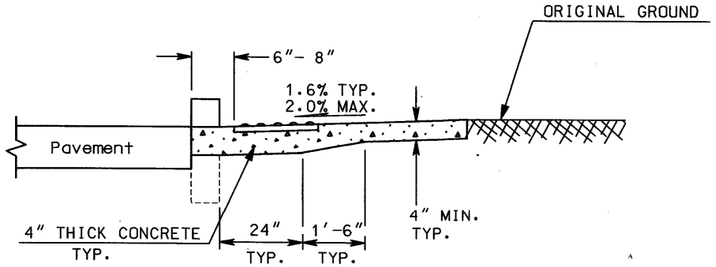


CURB RAMP DETAIL

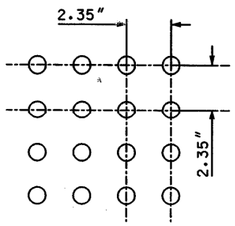
DETECTABLE WARNINGS MUST BE LOCATED 6"-8" FROM CURB LINE OR OTHER POTENTIAL HAZARD.



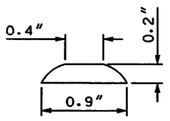
CORNER PARALLEL RAMP DETAIL



SECTION A-A



DOME SPACING
(NOMINAL)



DOME SECTION
(NOMINAL)

THE ORDER OF PREFERENCE FOR LOCATION OF CORNER RAMPS:

1. TWO SEPARATE RAMPS LOCATED ON TANGENT SIDEWALK AREA IMMEDIATELY OUTSIDE OF CORNER RADIUS.
2. TWO SEPARATE RAMPS SEPARATED BY 5' AS SHOWN ABOVE.
3. SINGLE RAMP SERVING TWO CROSSWALKS. (NOT PERMITTED IN NEW CONSTRUCTION)

GENERAL NOTES

1. THE MAXIMUM RUNNING SLOPE OF ANY SIDEWALK CURB RAMP IS 12:1, THE MAXIMUM CROSS SLOPE IS 2%. THE SLOPE OF THE LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. ROADWAY SHOULDER SLOPES ADJOINING SIDEWALK CURB RAMPS SHALL BE A MAXIMUM OF 5% (FULL WIDTH) FOR A DISTANCE OF 2 FT. FROM THE ROADWAY CURBLINE.
3. INTERCEPT DRAINAGE ALONG THE CURB IN ADVANCE OF SIDEWALK CURB RAMPS OR LANDINGS. CATCH BASINS, MANHOLES, ETC. SHALL NOT BE LOCATED IN, OR AT THE BASE OF, SIDEWALK CURB RAMPS OR LANDINGS.
4. THE BOTTOM OF THE SIDEWALK CURB RAMP OR LANDING. EXCLUSIVE OF THE FLARED SIDES, SHALL BE WHOLLY CONTAINED WITHIN THE CROSSWALK MARKINGS.
5. THE SURFACE OF A PERPENDICULAR SIDEWALK CURB RAMP OR THE LANDING OF A PARALLEL SIDEWALK CURB RAMP SHALL CONTRAST VISUALLY WITH THE ADJOINING SIDEWALK SURFACE, EITHER ASPHALT/LIGHT-COLORED CONCRETE OR LIGHT-COLORED CONCRETE/DARK-STAINED CONCRETE. THE CONCRETE SURFACE SHALL BE SLIP RESISTANT.
6. INSTALL DETECTABLE WARNINGS (TRUNCATED DOMES) AT THE LOCATIONS SHOWN. DETECTABLE WARNINGS SHALL MEASURE 24" IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE SIDEWALK RAMP, AND THE EDGE NEAREST THE CURBLINE SHALL BE LOCATED 6"-8" FROM THE FACE OF CURBLINE.

NUMBER	DESCRIPTION	DATE	STATION
	REVISIONS AFTER PROPOSAL		

SDR PROCESSED	XX	DATE XX
NEW DESIGN	DTB	DATE 4/07
SHEET CHECKED	WAC	DATE 5/07
AS BUILT DETAILS		DATE

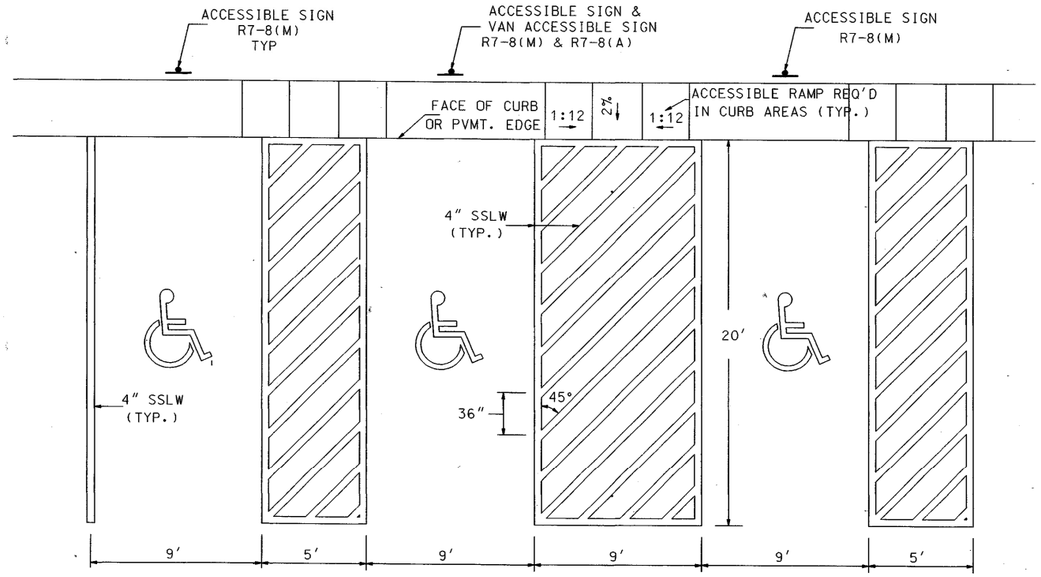
STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

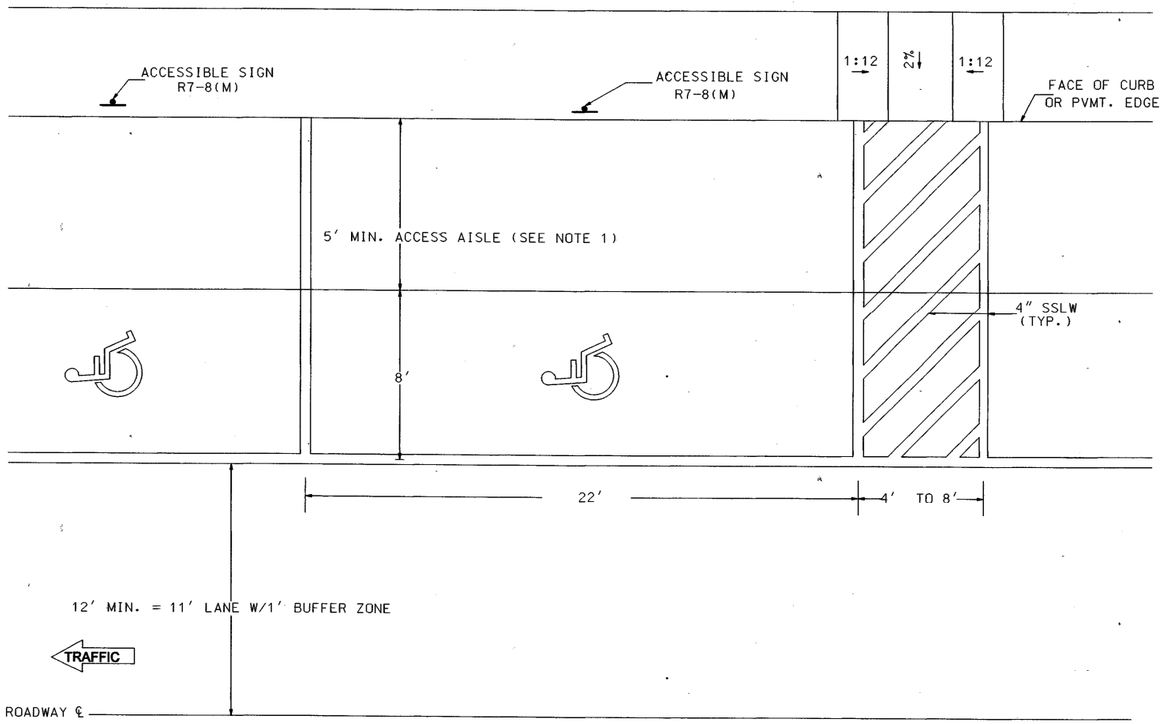
SIDEWALK CURB RAMPS WITH DETECTABLE WARNINGS

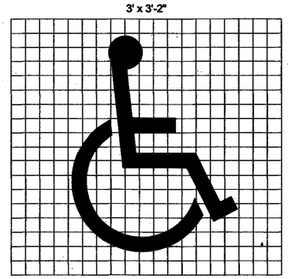
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287swalkramp	14287	10	43

PERPENDICULAR ACCESSIBLE PARKING



PARALLEL ACCESSIBLE PARKING





INTERNATIONAL SYMBOL OF ACCESSIBILITY

PAY QUANTITY FOR EACH ACCESSIBLE PAVEMENT MARKING SYMBOL 2.58ft.^{2}

GENERAL NOTES

1. **VAN ACCESS AISLE SHALL BE A MINIMUM 8' WIDE.**

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

NOTEBOOKS

BOOK	PAGE	BOOK	PAGE
BOOK	PAGE	BOOK	PAGE

EXISTING DETAIL	DATE	AS BUILT DETAILS	DATE
PROPOSED DESIGN	DATE		
SHEET CHECKED	DATE		

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ∘ BUREAU HIGHWAY DESIGN

ACCESSIBLE PARKING DETAIL

REVISION DATE	DRAWING NAME	SHEET SCALE	FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
7-13-01	PM-9	N.T.S.	–	14287	11	43

NOTES:

1. INSTALL TEMPORARY SAFETY FENCE (ITEM 670.95) ALONG TOE OF SLOPE OR LIMIT OF WORK ADJACENT TO 8' TALL WOODEN FENCE. SEE P.O.W.

LEGEND

HIGH STRENGTH BITUMINOUS PAVEMENT SEE TYPICAL FOR BASE COURSES.

INDIAN BROOK DRIVE SIGNALS AND RECONSTRUCTION BY OTHERS

Indian Brook Drive

Members Way

Liberty Way

Sixth Street

Glenwood Avenue

Alder Lane

LIMIT OF WORK
DOT PROJECT #14287

CONSTRUCT SPILLWAY TOP ELEV. = 191.25 @ STA 407+25 (LT) SEE CROSS-SECTIONS

69' x 77'
SEE BUILDING PLANS

6" CONC. PAD

6" CONC. ISLAND (TYP)

2' BATT SIDEWALK

PICK TOE BANK WALK

LIMIT OF CLEARING

LIMIT OF DRAINAGE WORK (TYP)

CLEAR TO SLOPE LINE UNLESS OTHERWISE SHOWN ON PLAN

SEE NOTE 1

SAVE IF POSSIBLE

APPROX. EXIST. ROW

ROW

1 LIBERTY MUTUAL INSURANCE CO

2 WONG MO Y

3 BUCABREY, INC.

4 EDGAR SUSAN D. & PAUL T.

5 GAUTHIER GEORGE K. & MARY

6 STATE OF NEW HAMPSHIRE formerly CITY OF DOVER

7 NORTHEAST CREDIT UNION

8 ELLIS, JAMES F. & MOLLY B.

9 COLLINS, MARK & SUSAN

10 FUCCI, THOMAS & GEORGIANA

11 WHITTLE FLOYD & WENDY

12 DOMPKOUSKI, RICHARD & SUSANNE

GRID

50 0 50 100
SCALE IN FEET

REVISIONS AFTER PROPOSAL	STATION	STATION	DESCRIPTION	NUMBER	DATE

		DATE
SDR PROCESSED	SEL	10/05
NEW DESIGN	MSH	12/05
SHEET CHECKED	WAC	05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

GENERAL PLANS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287G01	14287	12	43

1
STA. 400+64 RT. 24.3
REMOVE END SECTION AS REQUIRED (SUBSID.)
CONSTRUCT SPECIAL INLET STRUCTURE #1 (SEE DETAIL SHT.)
CONNECT TO EXISTING PIPE (SUBSID.)

2
STA 402+29.6 LT. 134.1
REMOVE END SECTION AS REQUIRED (SUBSID.)
CONSTRUCT SPECIAL INLET STRUCTURE #2 (SEE DETAIL SHT.)
CONNECT TO EXISTING PIPE (SUBSID.)

3
STA. 402+21.8 LT. 80.5 - 402+31 LT. 70.4
CONST. 13.7' x 12" PLASTIC PIPE (SI.)
CONST. 12" STEEL END SECTION @ +21.8 (INVERT @ 189.00)
CONST. CB-B @ +31.0 (SLAB TOP)
12" INV. OUT = 189.20
12" INV. IN = 189.50
GRATE ELEV. = 192.0

4
STA. 402+31.0 LT 70.4 - 401+96.2 LT. 40.2
CONST. 42.1' x 12" PLASTIC PIPE (SI.)
CONST. CB-B @ +96.2 (SLAB TOP)
12" INV. OUT = 189.75
GRATE ELEV. = 192.2

5
STA. 407+06.5 LT. 267.0 - 406+53.5 LT. 251.5
CONST. ~~51.3'~~ 114.8' x 15" PLASTIC PIPE (SI.)
CONST. CB-B @ +53.5 (SLAB TOP)
15" INV. OUT = ~~187.40~~ 187.30
12" INV. IN (WEST) = ~~187.40~~ 187.35
12" INV. IN (EAST) = 187.75
GRATE ELEV. = 191.5

6
STA. 406+53.5 LT. 251.5- 406+84.2 LT. 198.5
CONST. 57.2' x 12" PLASTIC PIPE (SI.)
CONST. CB-B @ +84.2 (SLAB TOP)
12" INV. OUT = ~~189.00~~ 188.4
GRATE ELEV. = 192.0

ADD: CONST 12'x12" PLASTIC PIPE
CONST 12" STEEL END SECT.
INV IN = 189.00

ADD: CONST 6" UN.D
CONST. FLUSHING BASIN

7
STA. 406+53.5 LT. 251.5 - 406+08.3 LT. 252.2
CONST. 41.1' x 12" PLASTIC PIPE (SI.)
CONST. CB-B @ +08.3 (SLAB TOP)
12" INV. OUT = 187.60
6" U.D. IN = 188.50
GRATE ELEV. = 191.5

8
STA. 407+70.7 LT. 267.2 - 407+06.5 LT. 267.0
CONST. ~~60.8'~~ 63.8' x15" PLASTIC PIPE (SI)
CONST. ~~CB-B~~ SMH @ +~~06.5~~ 63 LT 250 (SLAB TOP)
15" INV. IN = ~~187.10~~ 187.00
15" INV. OUT = ~~187.10~~ 186.95
GRATE ELEV. = 190.8
CONNECT TO EXIST. CB @ 407+70.7 (SUBSID.)
15" INV. IN (NEW) = 186.80
15" INV. OUT (EXISTING) = 186.7 (APPROX.)
186.73 (ACTUAL)

U1
STA. 406+08.3 LT. 252.2 - 405+85.8 LT. 165.3
CONST. 93.9' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ +85.8

U2
STA. 405+85.8 LT. 165.3 - 404+82 LT. 165.3
CONST. 103.7' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ +82

U3
STA. 404+82 LT. 165.3 - 403+90 LT 74.2
CONST 158.0' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ +90

U4
STA. 403+90 LT. 74.2 - 402+35.8 LT. 74.2
CONST. 154.2' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ 35.8

* CONSTRUCT UNDERDRAIN INVERTS AT ELEVATION 188.50
OUTLET INTO CB @ STA. 406+08.3 LT. SEE D.N. #7

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

DRAINAGE NOTES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287D01	14287	13	43

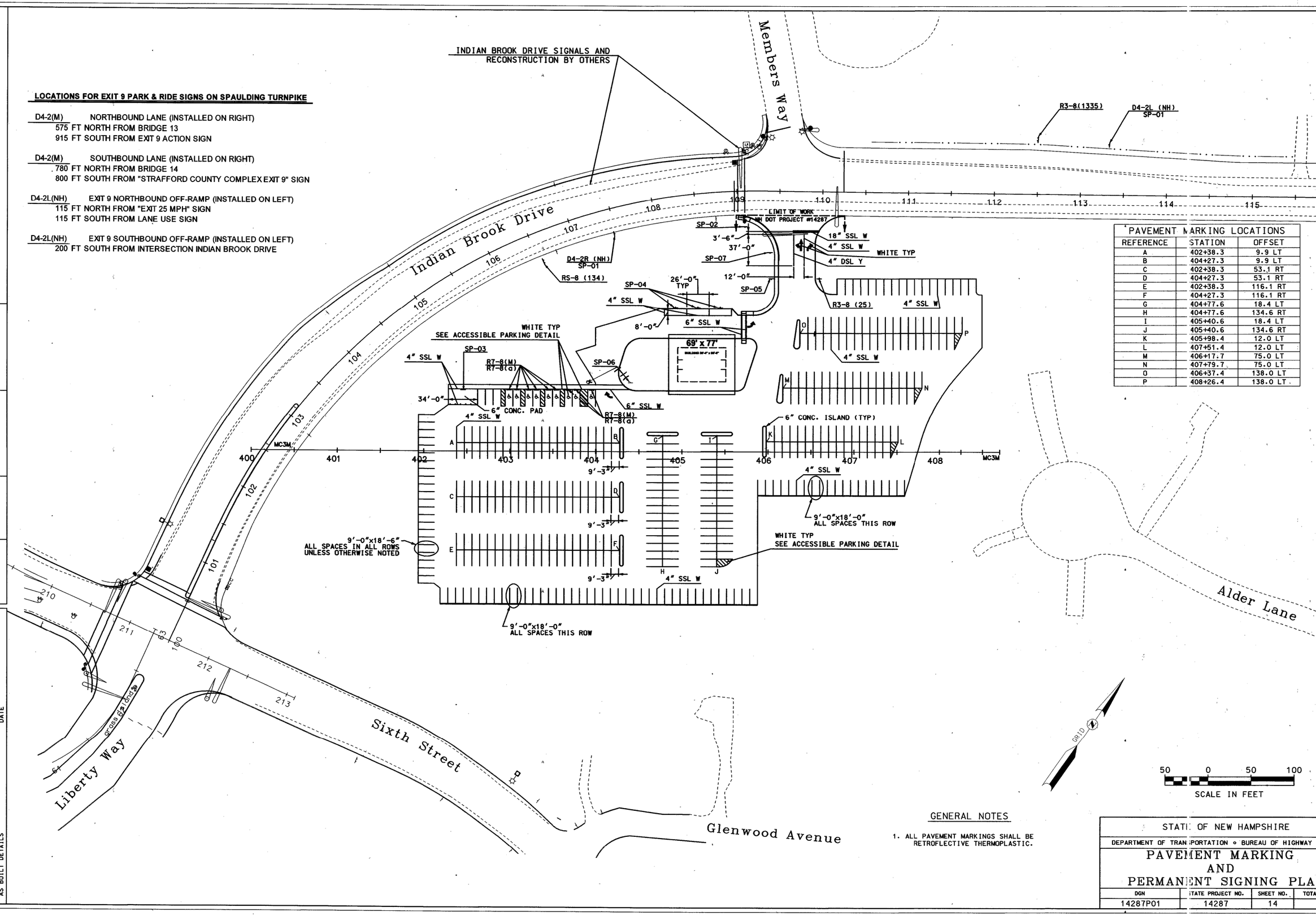
LOCATIONS FOR EXIT 9 PARK & RIDE SIGNS ON SPAULDING TURNPIKE

D4-2(M) NORTHBOUND LANE (INSTALLED ON RIGHT)
575 FT NORTH FROM BRIDGE 13
915 FT SOUTH FROM EXIT 9 ACTION SIGN

D4-2(M) SOUTHBOUND LANE (INSTALLED ON RIGHT)
780 FT NORTH FROM BRIDGE 14
800 FT SOUTH FROM "STRAFFORD COUNTY COMPLEX EXIT 9" SIGN

D4-2L(NH) EXIT 9 NORTHBOUND OFF-RAMP (INSTALLED ON LEFT)
115 FT NORTH FROM "EXIT 25 MPH" SIGN
115 FT SOUTH FROM LANE USE SIGN

D4-2L(NH) EXIT 9 SOUTHBOUND OFF-RAMP (INSTALLED ON LEFT)
200 FT SOUTH FROM INTERSECTION INDIAN BROOK DRIVE



PAVEMENT MARKING LOCATIONS		
REFERENCE	STATION	OFFSET
A	402+38.3	9.9 LT
B	404+27.3	9.9 LT
C	402+38.3	53.1 RT
D	404+27.3	53.1 RT
E	402+38.3	116.1 RT
F	404+27.3	116.1 RT
G	404+77.6	18.4 LT
H	404+77.6	134.6 RT
I	405+40.6	18.4 LT
J	405+40.6	134.6 RT
K	405+98.4	12.0 LT
L	407+51.4	12.0 LT
M	406+17.7	75.0 LT
N	407+79.7	75.0 LT
O	406+37.4	138.0 LT
P	408+26.4	138.0 LT

GENERAL NOTES

1. ALL PAVEMENT MARKINGS SHALL BE RETROFLECTIVE THERMOPLASTIC.

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

PAVEMENT MARKING AND PERMANENT SIGNING PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287P01	14287	14	43

LEGEND

HIGH STRENGTH BITUMINOUS PAVEMENT SEE TYPICAL FOR BASE COURSES.

INDIAN BROOK DRIVE SIGNALS AND RECONSTRUCTION BY OTHERS

Members Way

asph drive

gravel dr

Indian Brook Drive

PT 100+30.77

LIMIT OF WORK NH DOT PROJECT #14287

2" BIT. SIDEWALK

5'-0"

6" CONC. PAD

6" CONC. ISLAND (TYP)

SEE BUILDING PLANS

69' x 77'

STA 400+00.00
N=260595.094000
E=1187789.816000

MC3M

N 55°-29'-12.1" E

STA 408+70.04
N=261088.059
E=1188506.728

MC3M

asphalt cul-de-sac

gravel dr

asph drive

Alder Lane

209+96.15

101+46.07

PT 100+96.05

Liberty Way

Sixth Street

asph rd

Glenwood Avenue

CURBING NOTES

1. SEE CURBING SUMMARY FOR LOCATION OF CURBS.
2. STATION/OFFSET AND RADII REFER TO THE TRAVELWAY SIDE OF THE CURB.

GRID

50 0 50 100

SCALE IN FEET

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	DATE
		STATION	DATE

SDR PROCESSED	SEL	DATE	10/05
NEW DESIGN	MSH	DATE	12/05
SHEET CHECKED	WAC	DATE	05/06
AS BUILT DETAILS		DATE	

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

CURBING AND PAVEMENT LAYOUT PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287C01	14287	15	43

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

Members Way
Indian Brook Drive
Sixth Street
Glenwood Avenue
Alder Lane
POWER SOURCE
15 - DARK AMERICAN ARBORVITAE 7' B&B SPACED 5' ON CENTER PLANTED 8' FROM EDGE OF PAD
69' x 77'
5-GREEN MTN. SUGAR MAPLE
5-RED OAK
2.5" CAL. B&B
ALTERNATE MAPLE/OAK APPROX. 15' APART
10-WHITE SPRUCE
7' B&B APPROX. 15' APART
(SEE PLANTING DETAIL 1)
9-DARK AMERICAN ARBORVITAE
7' B&B APPROX. 15' APART
41-DARK AMERICAN ARBORVITAE 7' B&B
APPROX. 20' APART (SEE PLANTING DETAIL 2)
8' WOODEN FENCE
SEE SHT 16 FOR LAYOUT
SEPTIC TANK
PUMP CHAMBER
mixed woods
approx. loc.
GRID
SCALE IN FEET
50 0 50 100

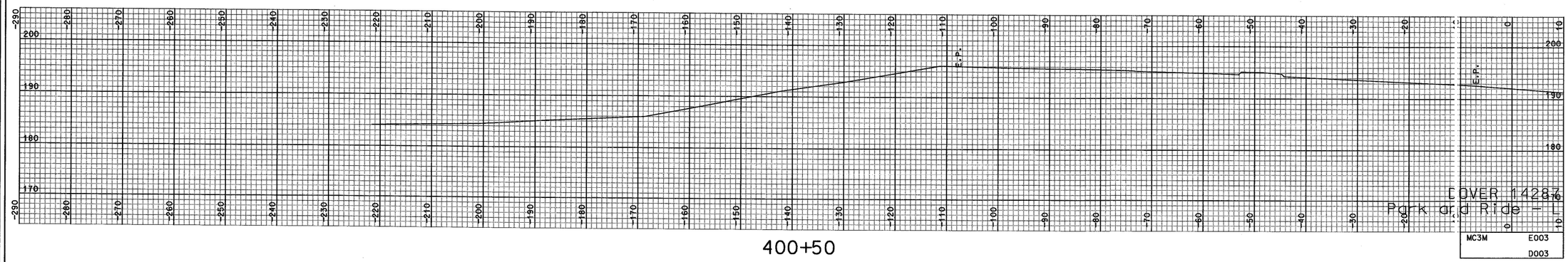
GENERAL NOTES

1. REFER TO LIGHTING SUMMARY FOR ITEMS AND LOCATIONS.

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

FINAL LIGHTING, FENCE & LANDSCAPING PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287L01	14287	16	43



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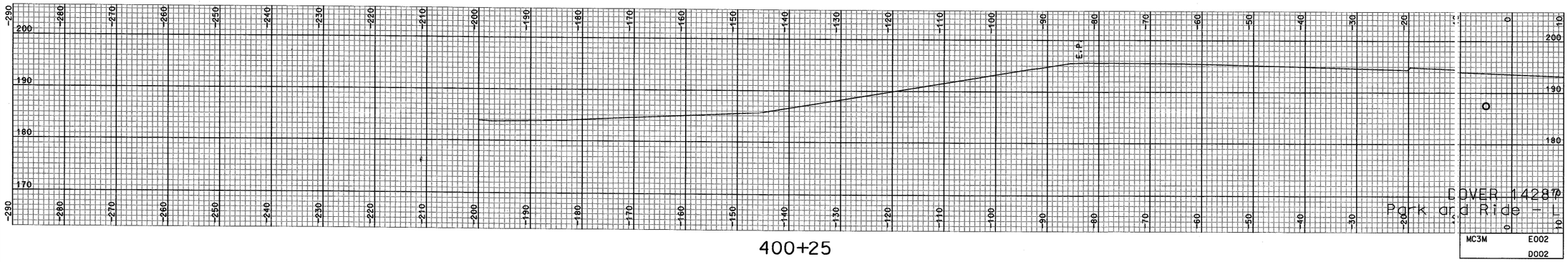

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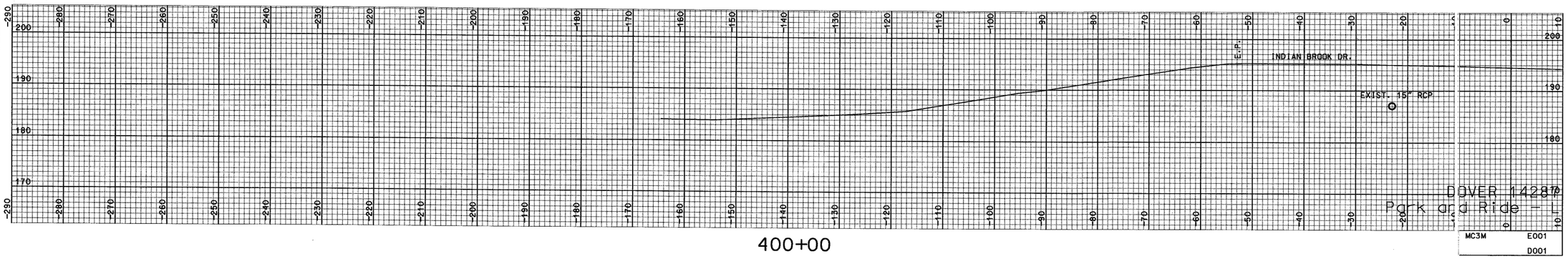

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REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	WSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	– C.Y.	ROCK EXCAV.	– C.Y.
FILL	– C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xs1	14287	17	43

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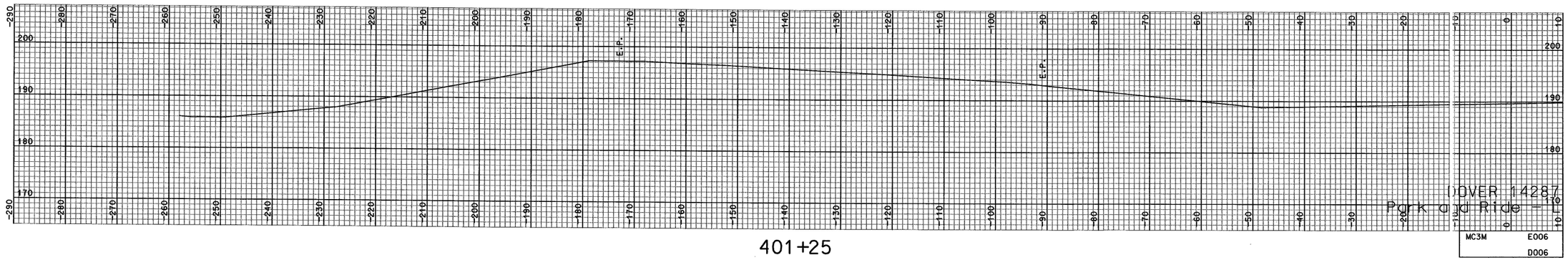

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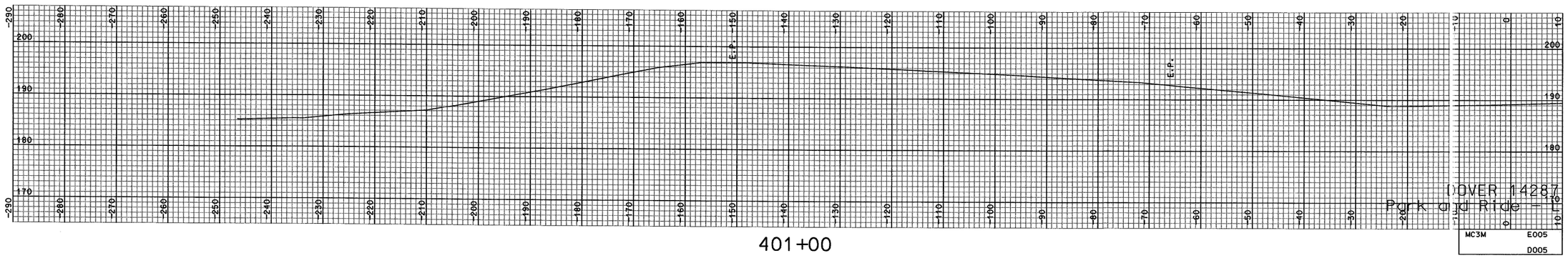

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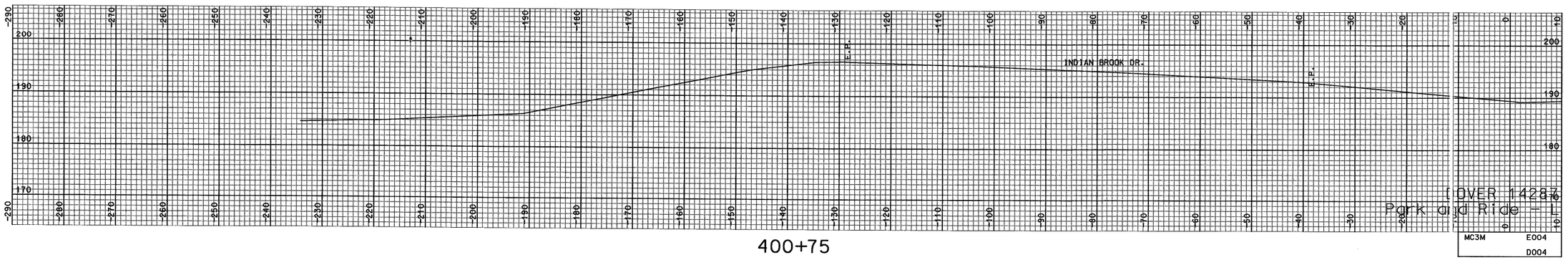

400+75

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. – C.Y. ROCK EXCAV. – C.Y.

FILL – C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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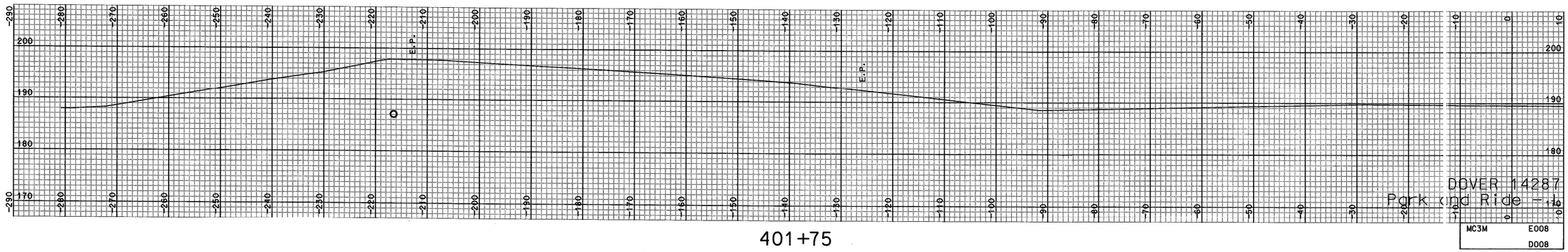

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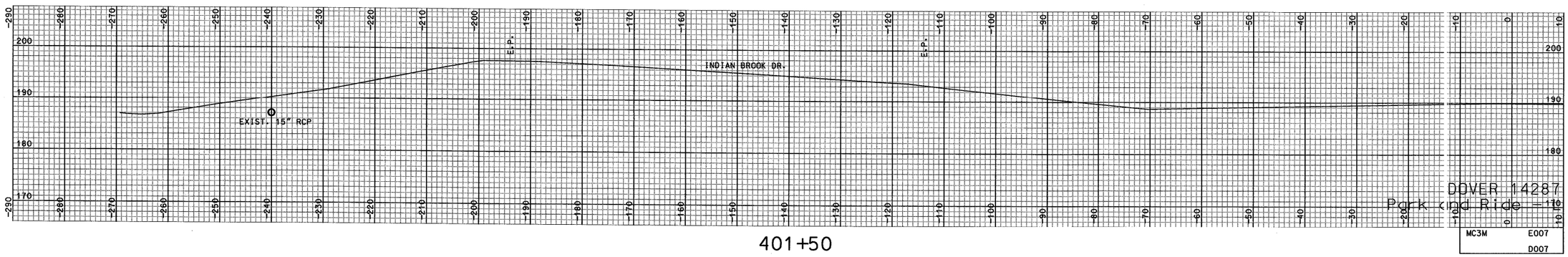

401+50

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	– C.Y.	ROCK EXCAV.	– C.Y.
FILL	– C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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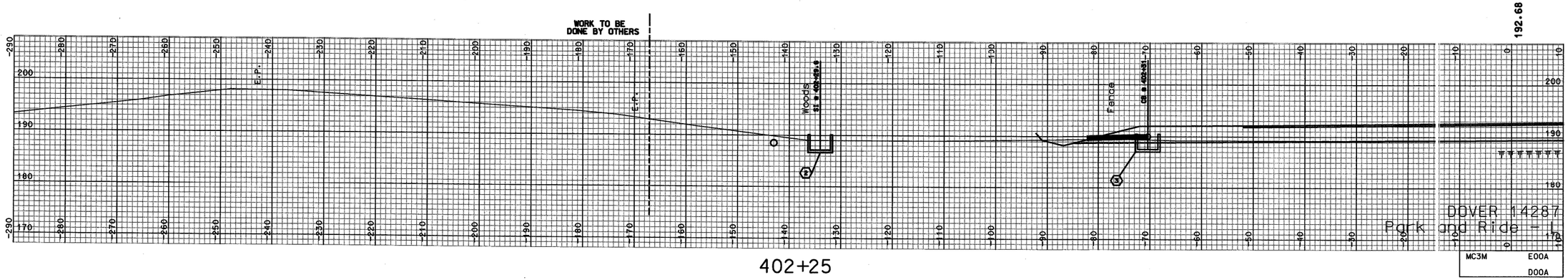

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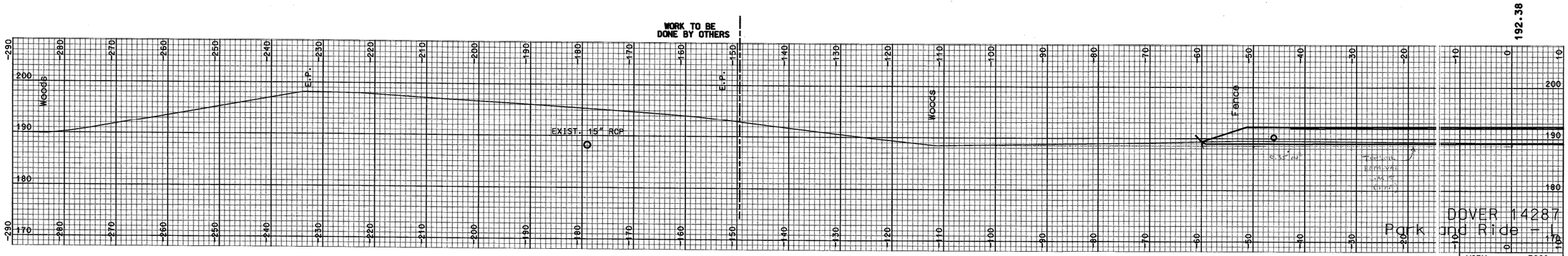

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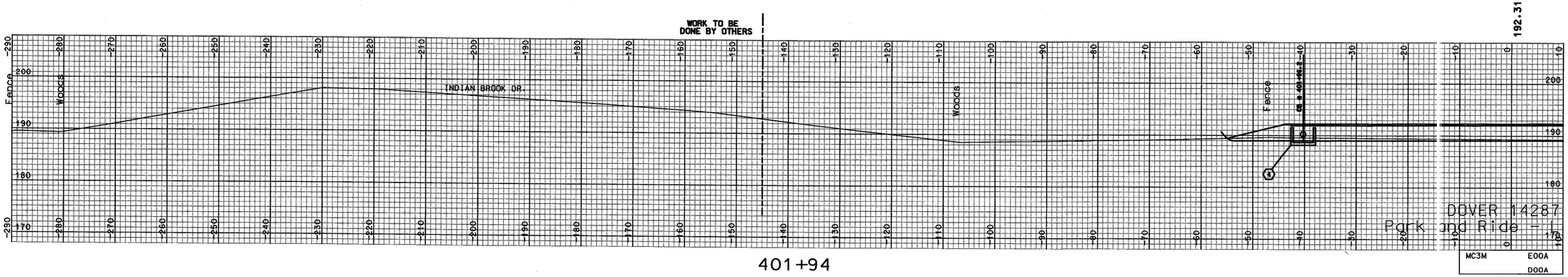

401+94

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	63.79 C.Y.	ROCK EXCAV.	- C.Y.
FILL	1.52 C.Y.	MUCK EXCAV.	- C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	1428	20	43

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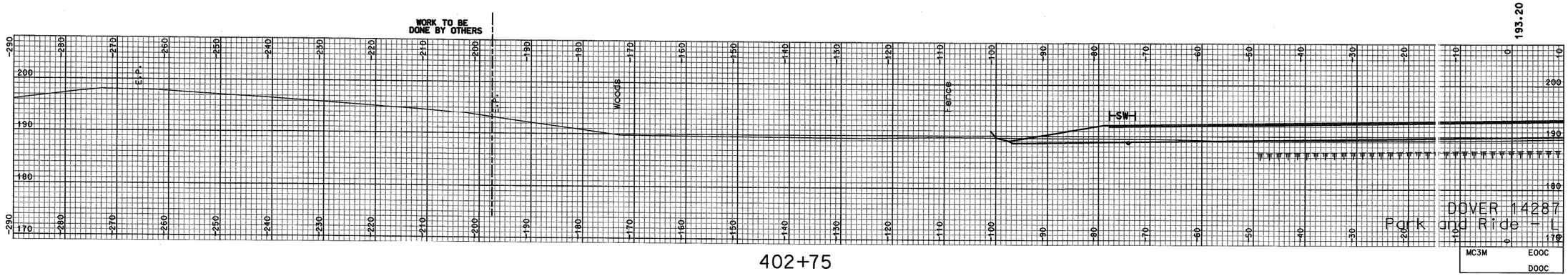
REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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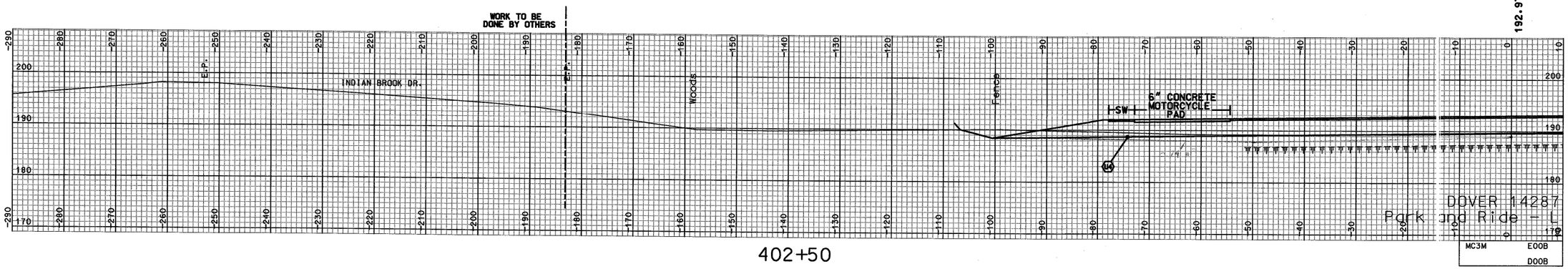

402+50

SHEET TOTALS

COMMON EXCAV.	54.99 C.Y.	ROCK EXCAV.	– C.Y.
FILL	24.14 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	1427	21	43

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REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

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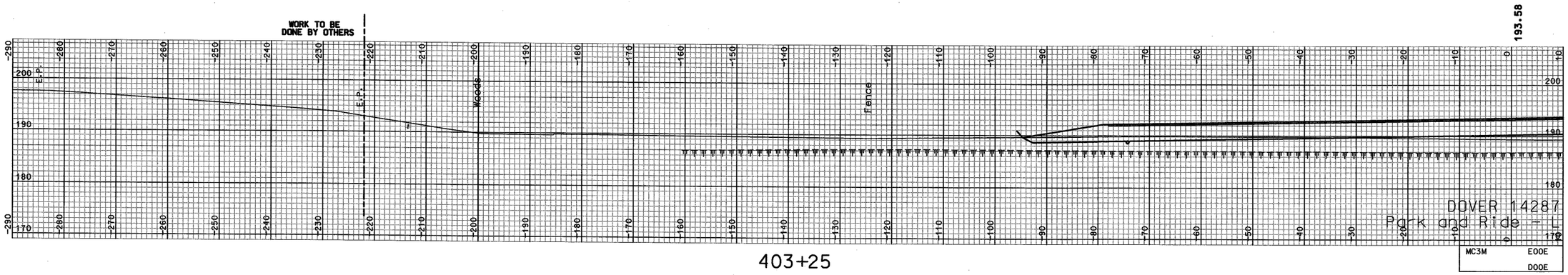
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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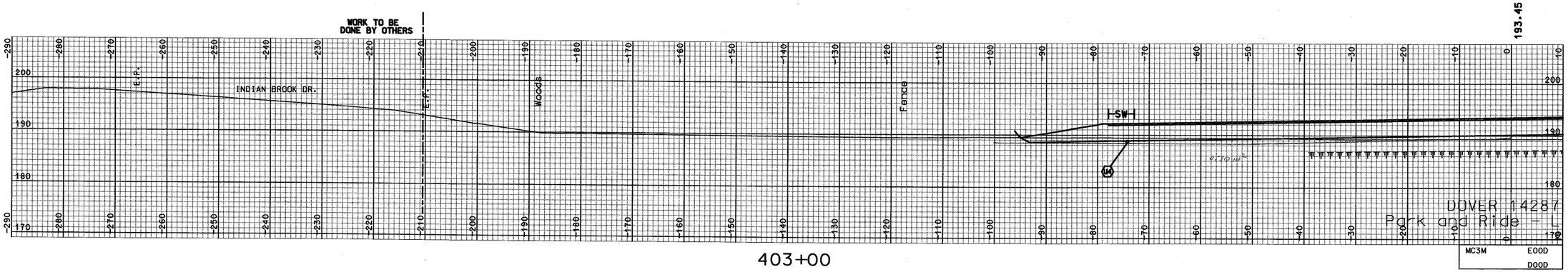

403+00

SHEET TOTALS

COMMON EXCAV.	68.85 C.Y.	ROCK EXCAV.	– C.Y.
FILL	24.41 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	22	43

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REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION
-			

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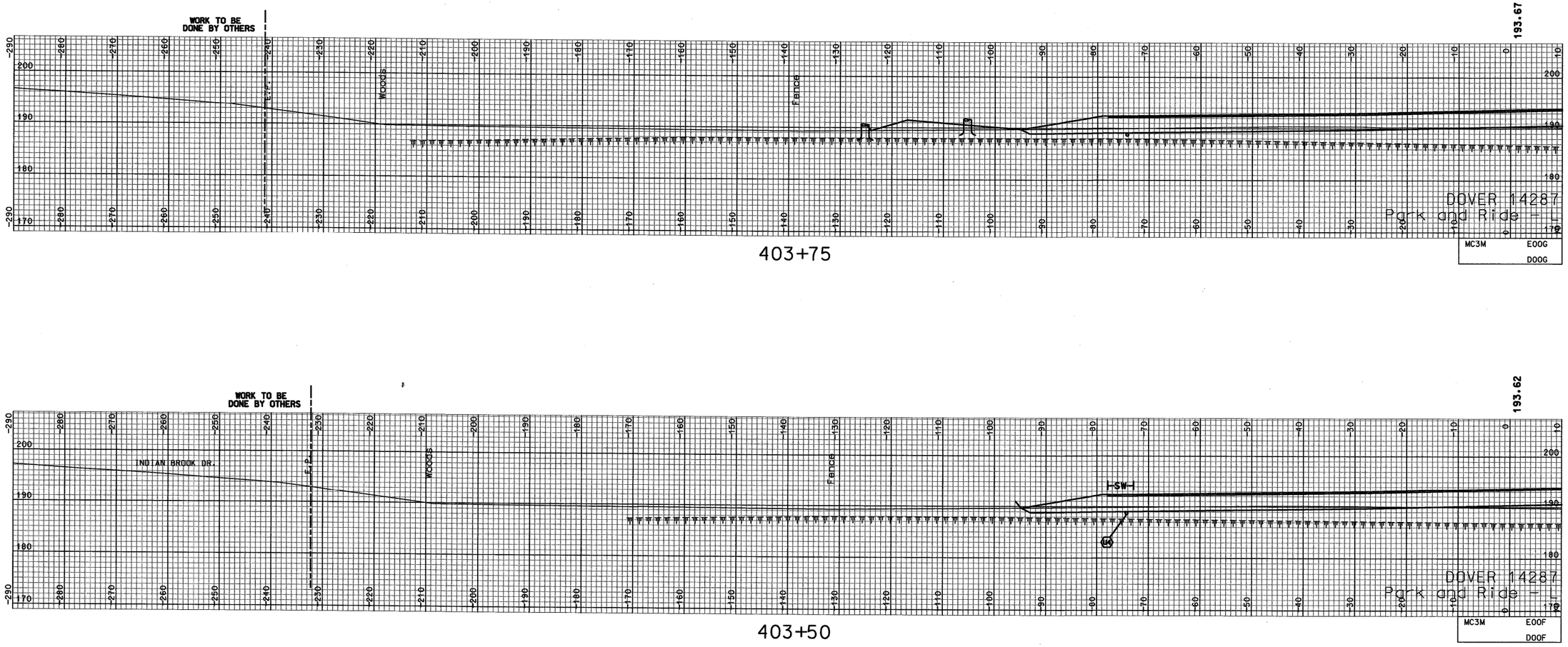
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



SHEET TOTALS

COMMON EXCAV.	131.27 C.Y.	ROCK EXCAV.	- C.Y.
FILL	30.71 C.Y.	MUCK EXCAV.	- C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xs1	14287	23	43

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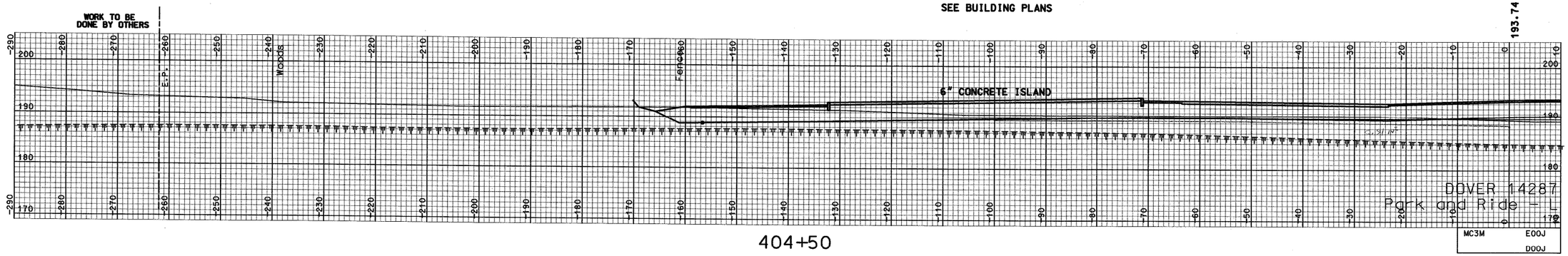
REVISIONS AFTER PROPOSAL

NUMBER	DATE	DESCRIPTION	STATION

SDR PROCESSED	SEL	DATE	10/05
NEW DESIGN	MSH	DATE	12/05
SHEET CHECKED	WAC	DATE	06/06
AS BUILT DETAILS		DATE	



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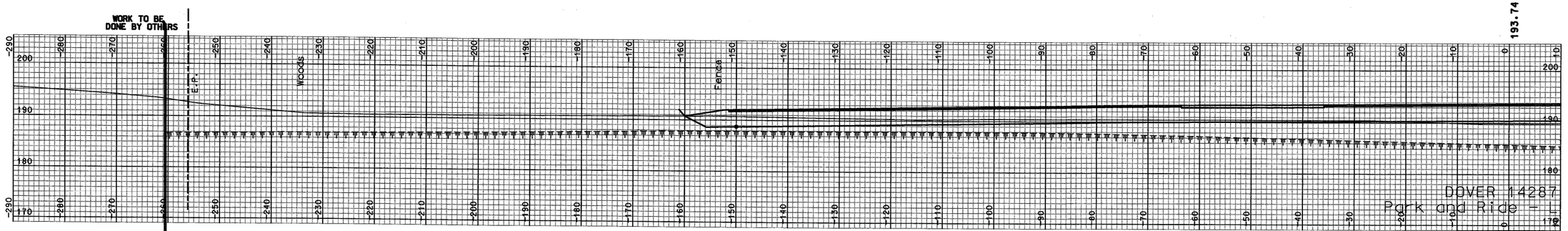

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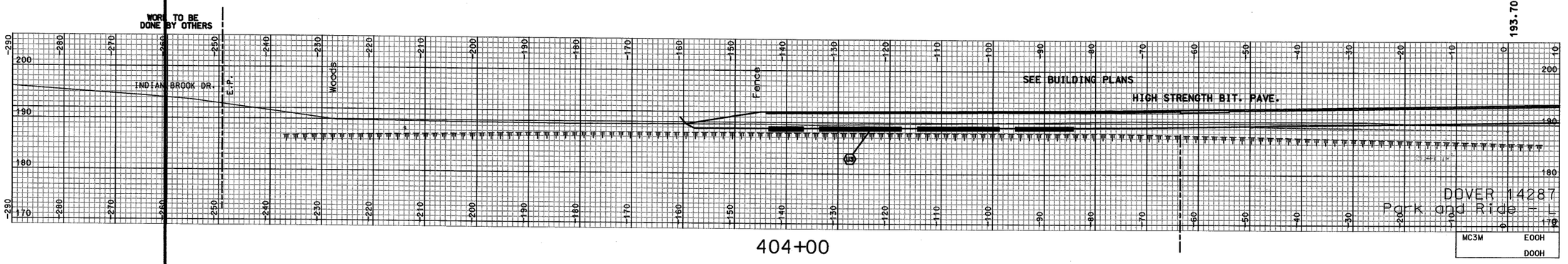

404+00

SHEET TOTALS			
COMMON EXCAV. 496.88 C.Y.	ROCK EXCAV. — C.Y.		
FILL 35.52 C.Y.	MUCK EXCAV. — C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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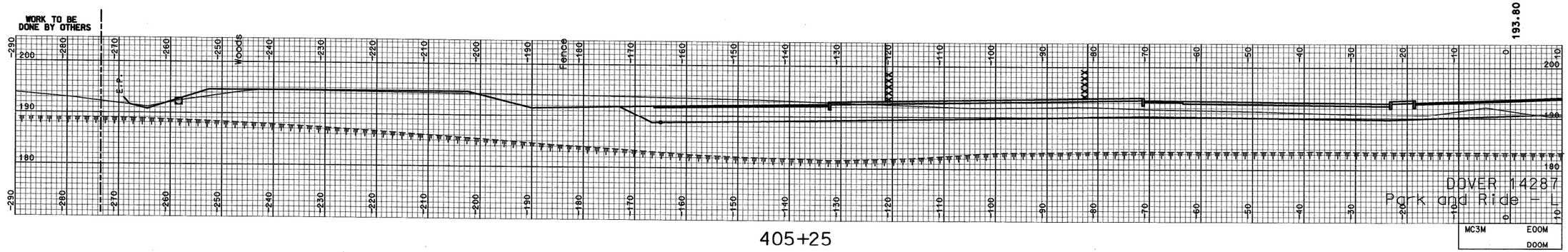

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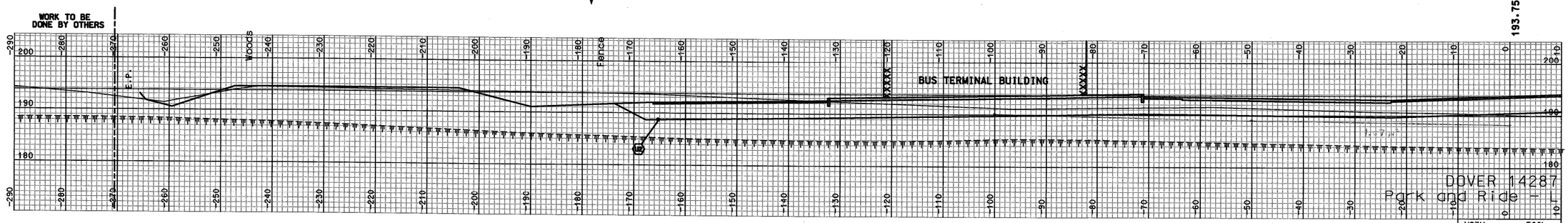

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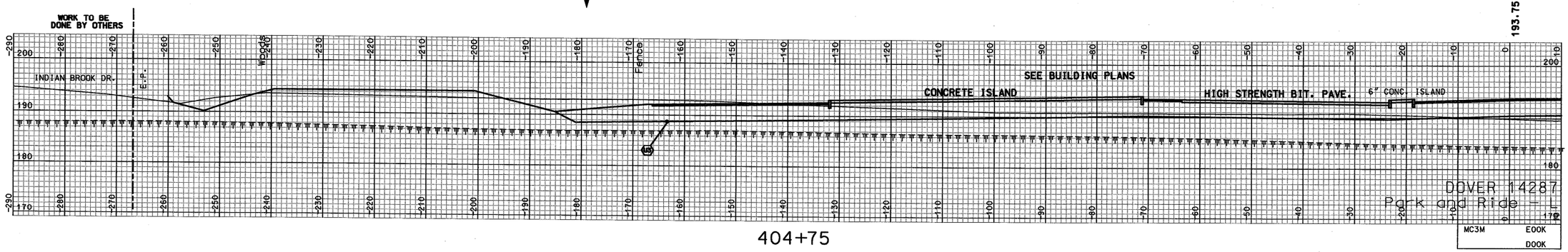

404+75

REVISIONS AFTER PROPOSAL

NUMBER	STATION	STATION	DESCRIPTION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 1298.56 C.Y. ROCK EXCAV. – C.Y.

FILL 64.75 C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	25	43

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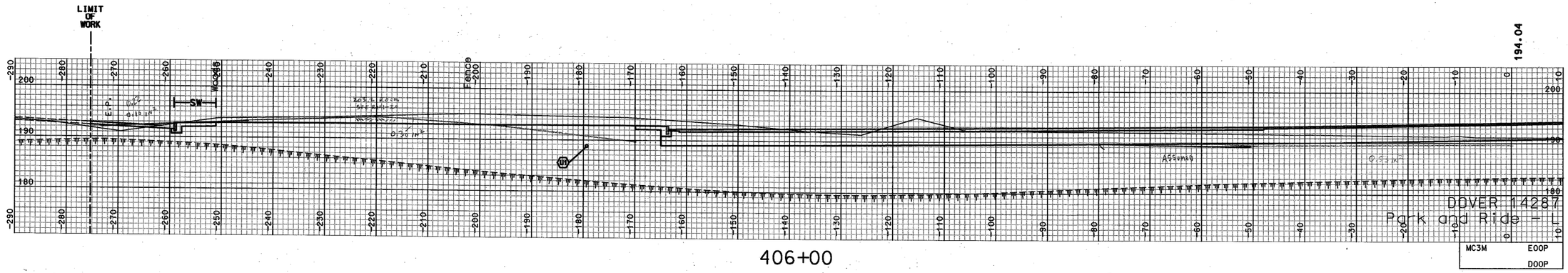
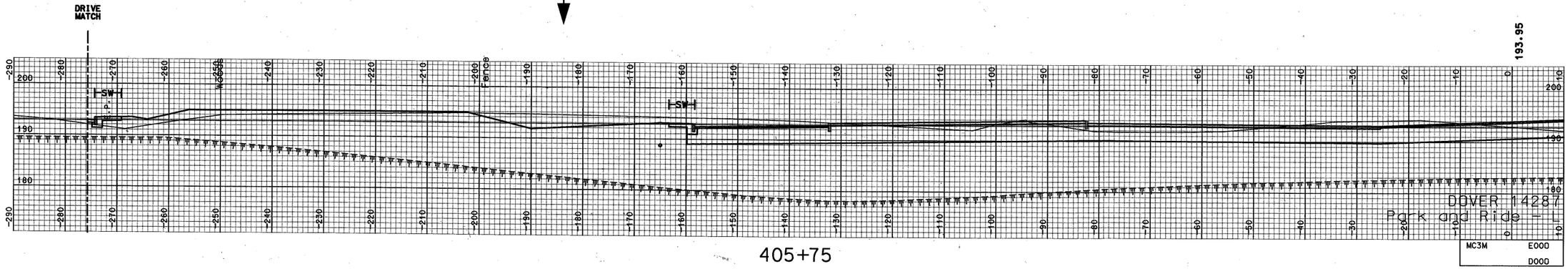
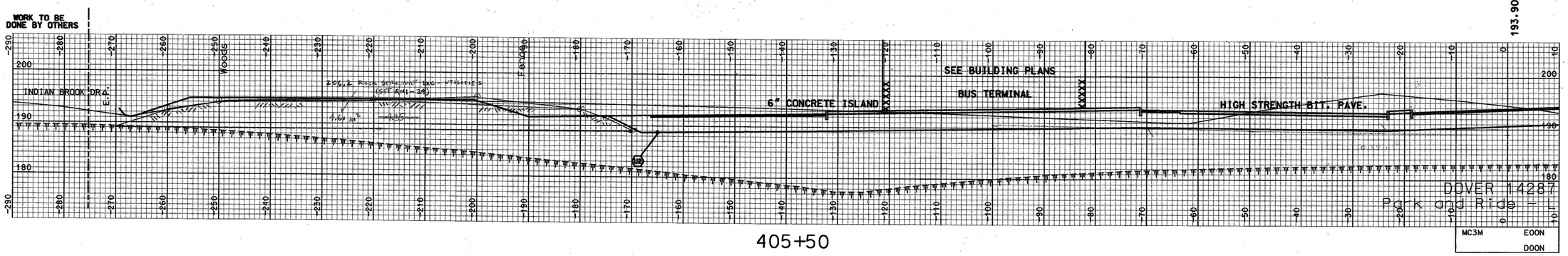
REVISIONS AFTER PROPOSAL

STATION	STATION	DESCRIPTION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE







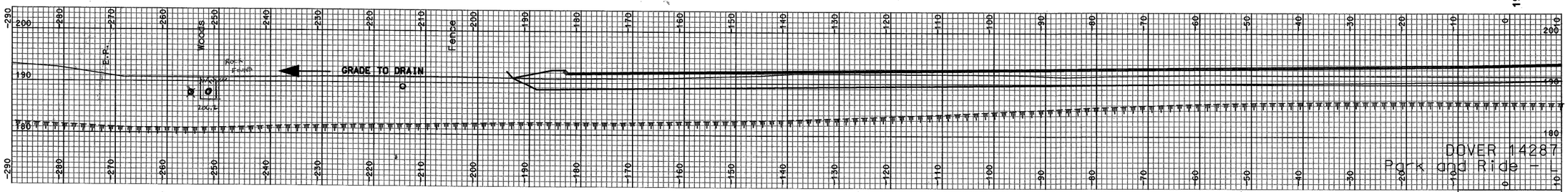
SHEET TOTALS			
COMMON EXCAV. 1827.54 C.Y.	ROCK EXCAV. – C.Y.		
FILL 66.86 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	26	43

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

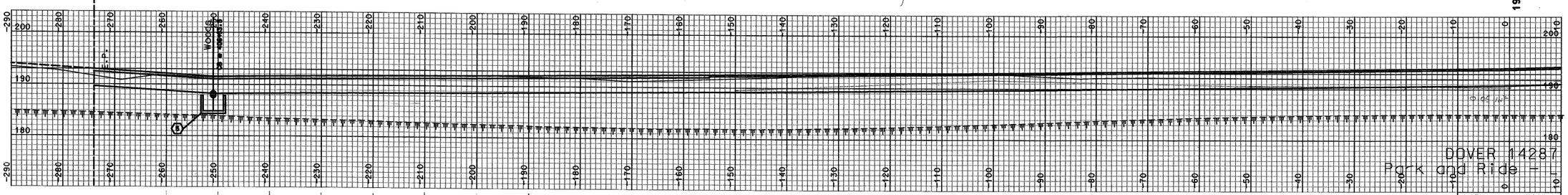
194.10



406+75

LIMIT OF WORK

194.05



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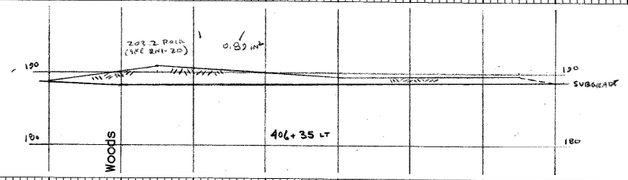
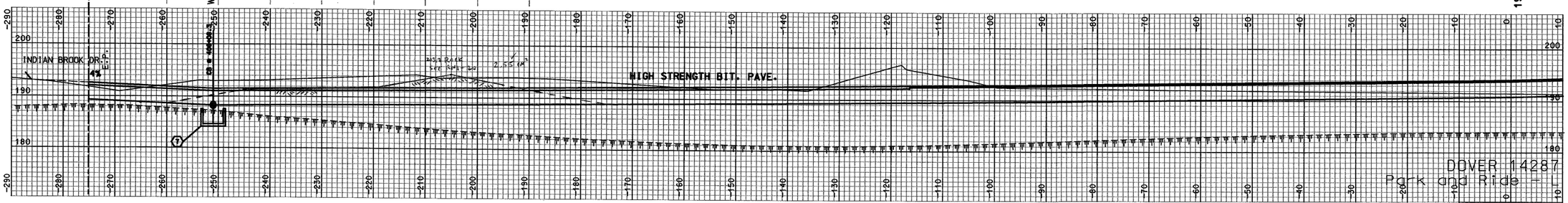


LIMIT OF WORK

194.10



406+25

SHEET TOTALS

COMMON EXCAV.	1596.75 C.Y.	ROCK EXCAV.	– C.Y.
FILL	0.00 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	27	43

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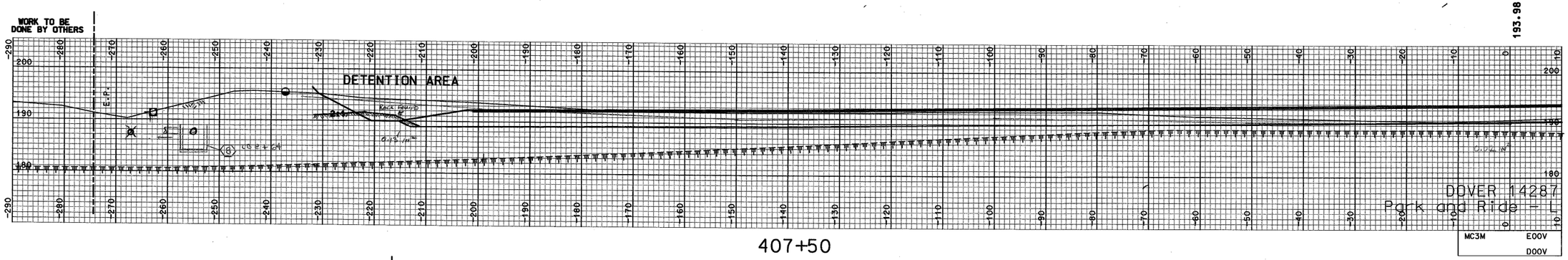
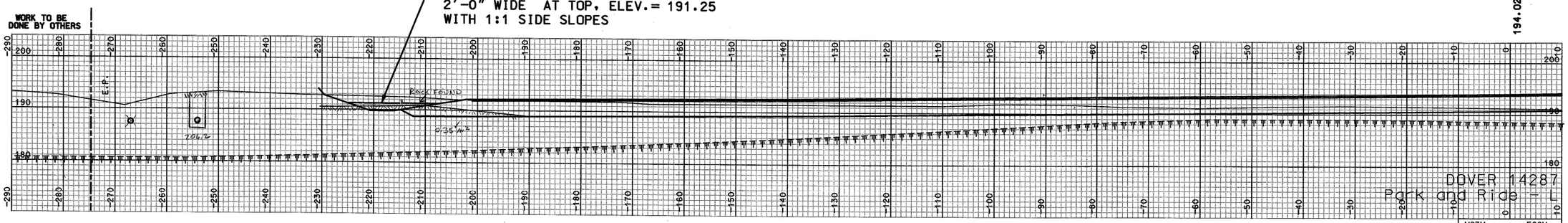


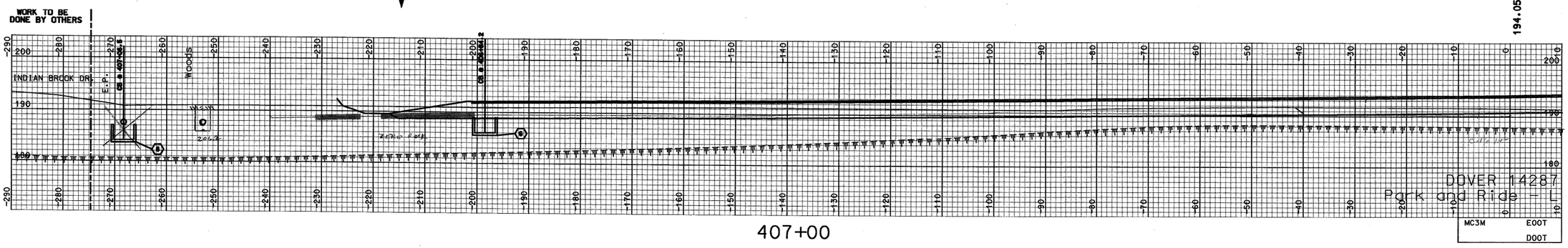
407+50

CONSTRUCT EARTH SPILLWAY
2'-0" WIDE AT TOP, ELEV.= 191.25
WITH 1:1 SIDE SLOPES



407+25

GRADE TO DRAIN



407+00

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	1444.37 C.Y.	ROCK EXCAV.	- C.Y.
FILL	0.00 C.Y.	MUCK EXCAV.	- C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	28	43

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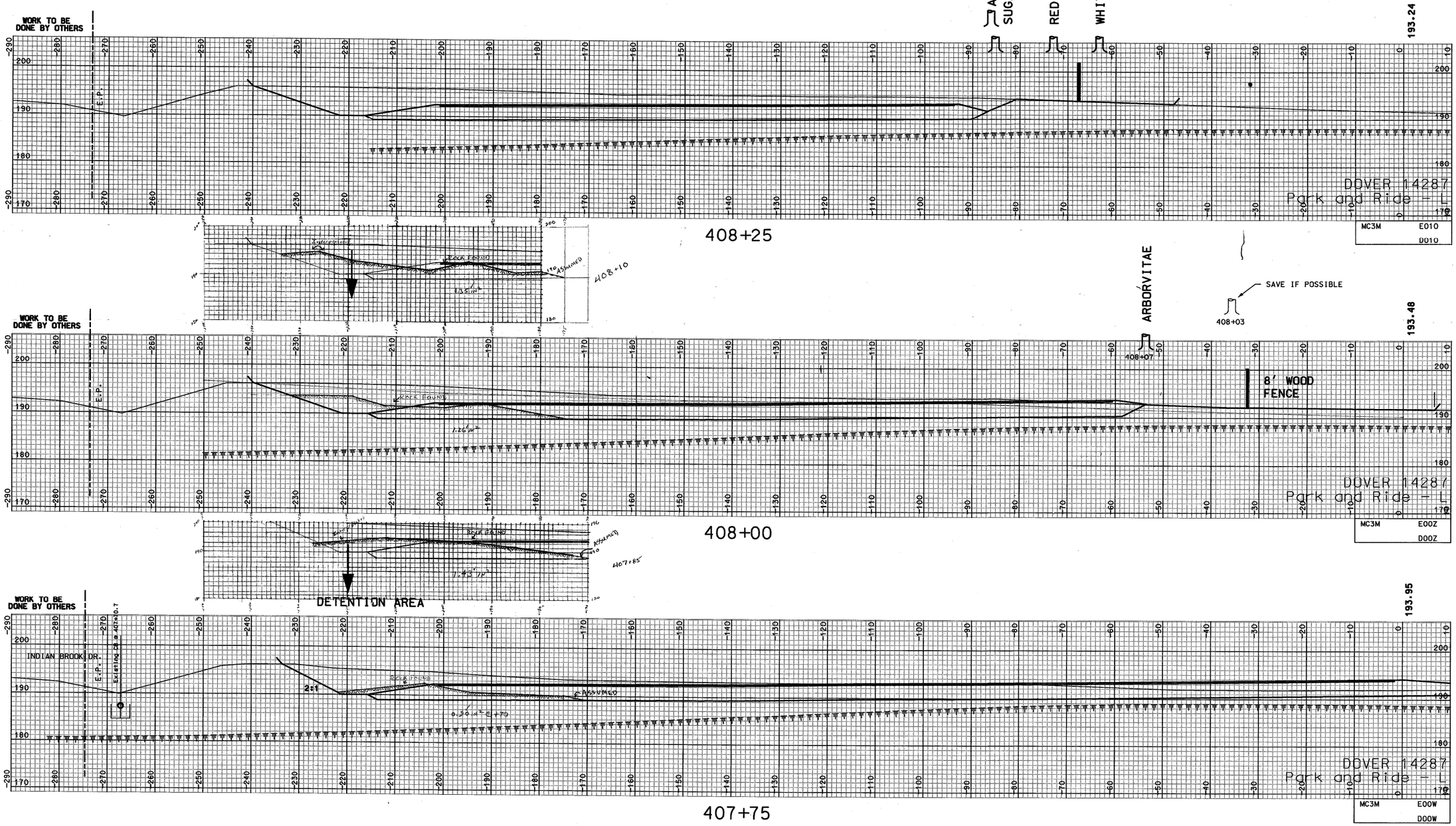
REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	WSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



SHEET TOTALS			
COMMON EXCAV. 2024.29 C.Y.	ROCK EXCAV. – C.Y.		
FILL 2.03 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	29	43

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REVISIONS AFTER PROPOSAL

STATION	STATION	DESCRIPTION	NUMBER	DATE

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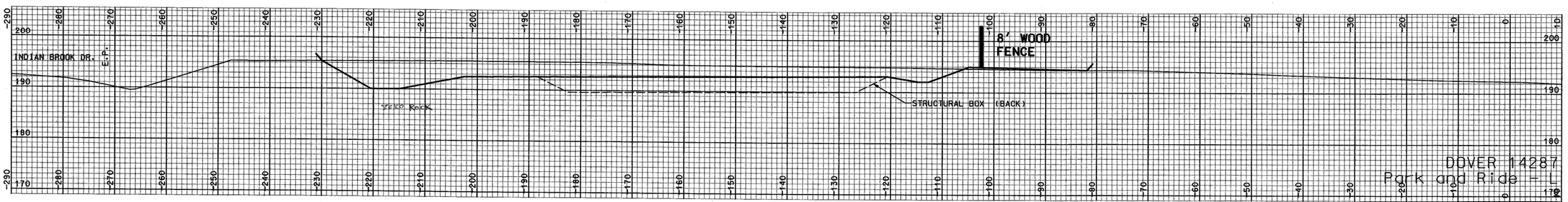
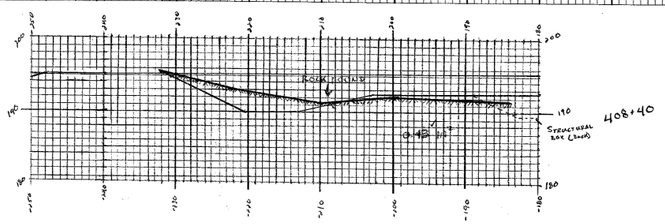
NEW DESIGN	WSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE





DOVER 14287
Park and Ride - L

MC3M	E011
	D011

SHEET TOTALS			
COMMON EXCAV. 154.05 C.Y.	ROCK EXCAV. – C.Y.		
FILL 2.03 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	30	43

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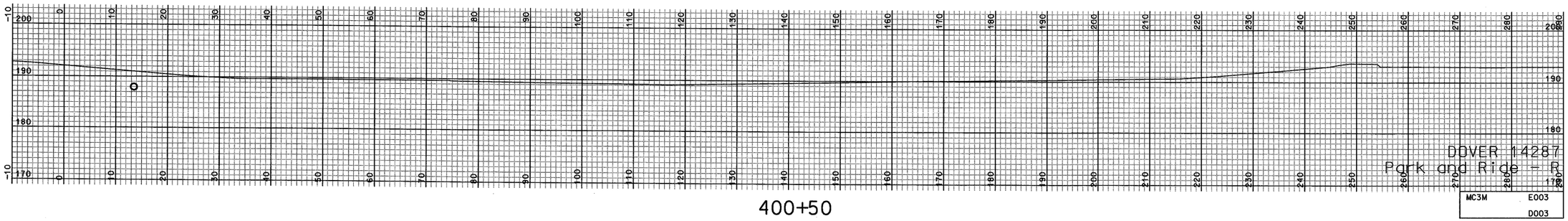

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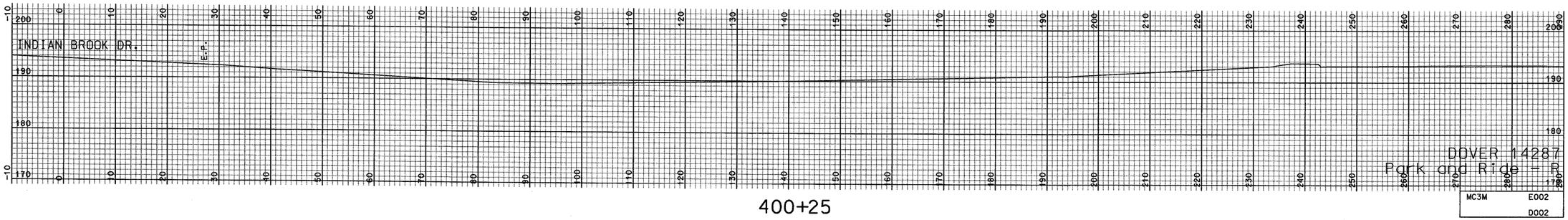

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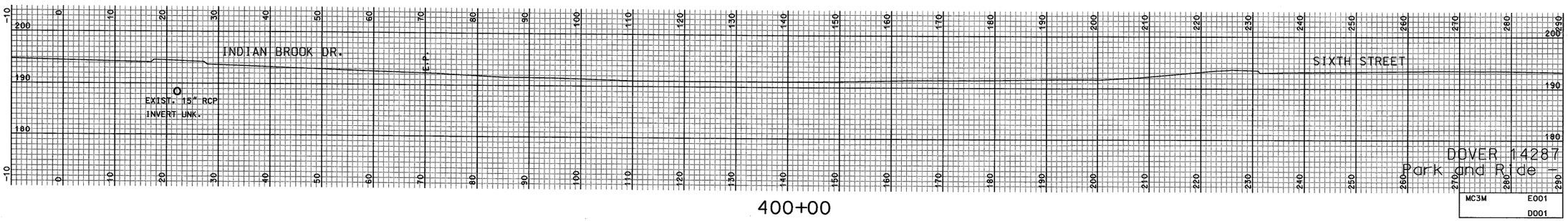


400+00

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. – C.Y. ROCK EXCAV. – C.Y.

FILL – C.Y. MUCK EXCAV. – C.Y.

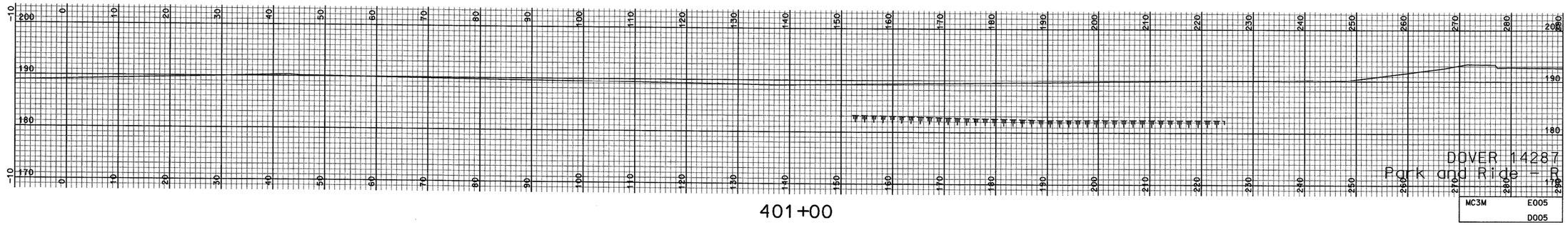
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	31	43

...\cross sections\14287xsr.dgn 6/1/2007 10:23:53 AM n34dtb

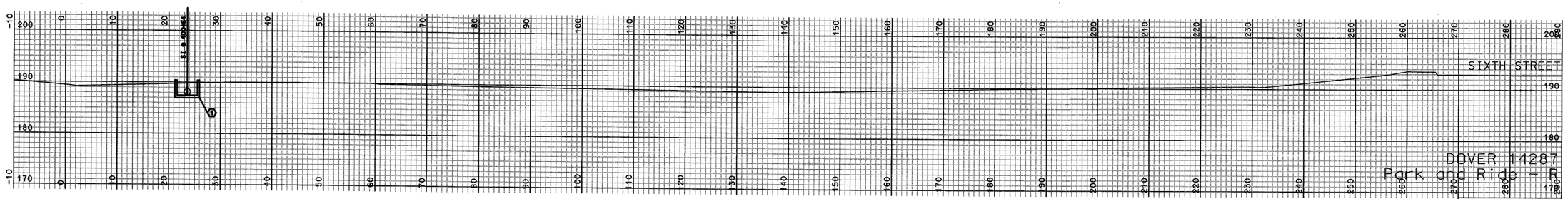
REVISIONS AFTER PROPOSAL

NUMBER	DATE	DESCRIPTION	STATION	STATION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



401+00



400+75

SHEET TOTALS			
COMMON EXCAV. – C.Y.	ROCK EXCAV. – C.Y.		
FILL – C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	32	43

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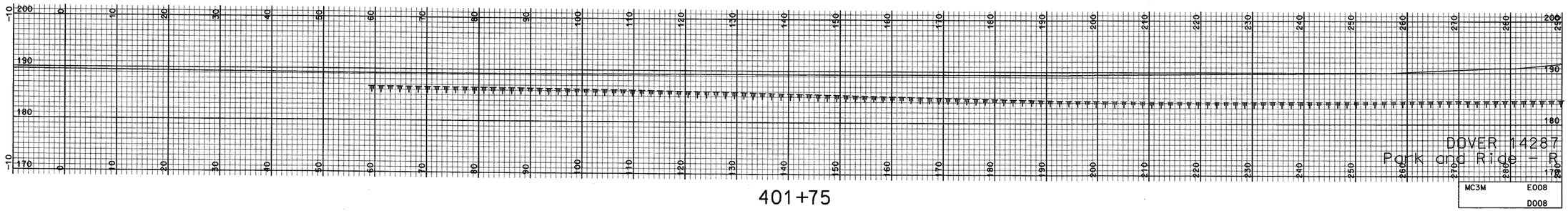
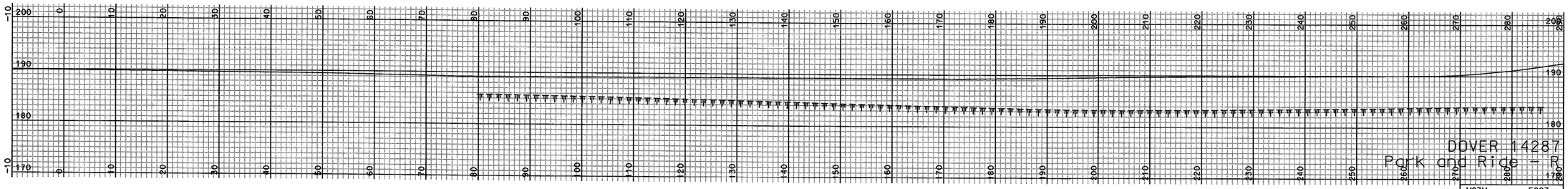


401+75



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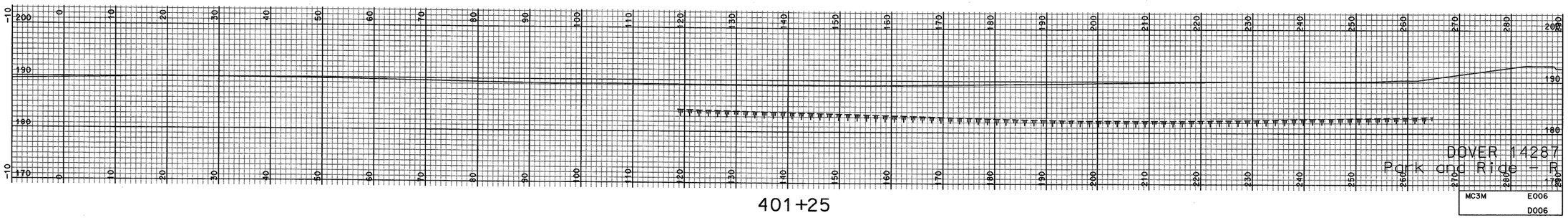

401+25

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	WSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. – C.Y. ROCK EXCAV. – C.Y.

FILL – C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	33	43

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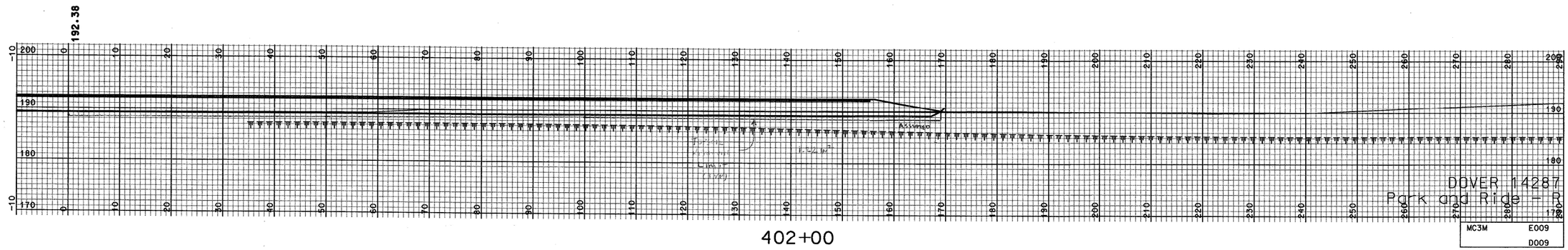
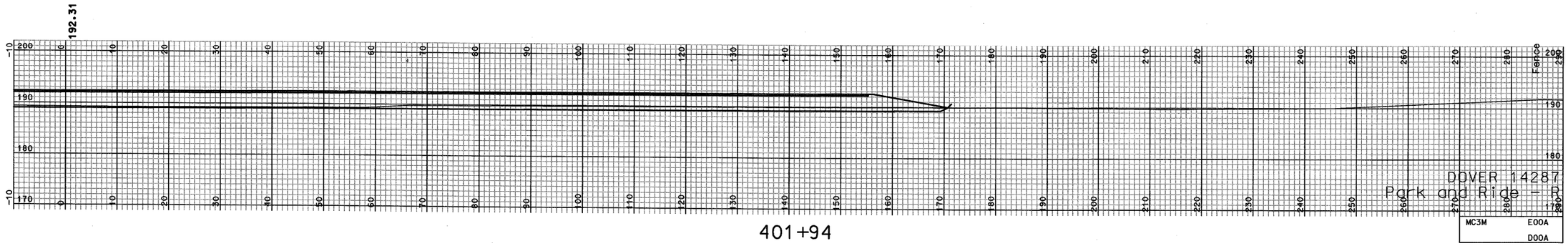


402+00



401+94

REVISIONS AFTER PROPOSAL

STATION	NUMBER	DESCRIPTION	DATE

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	135.65 C.Y.	ROCK EXCAV.	– C.Y.
FILL	14.86 C.Y.	MUCK EXCAV.	– C.Y.

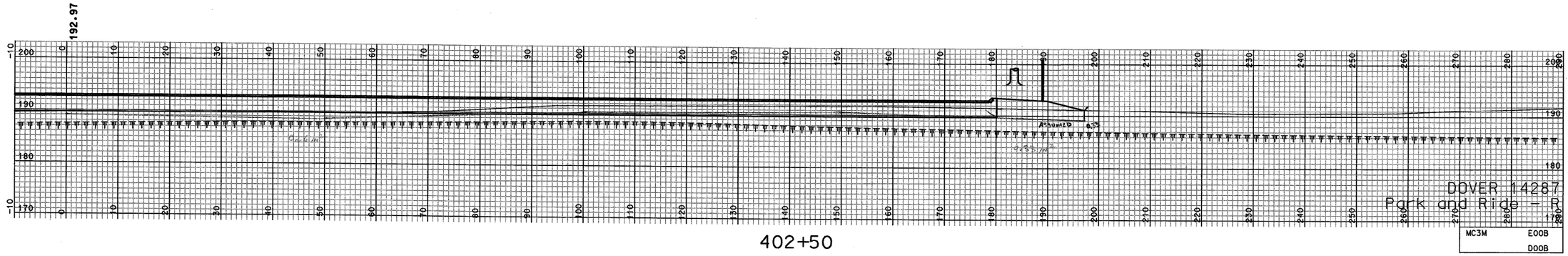
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	34	43

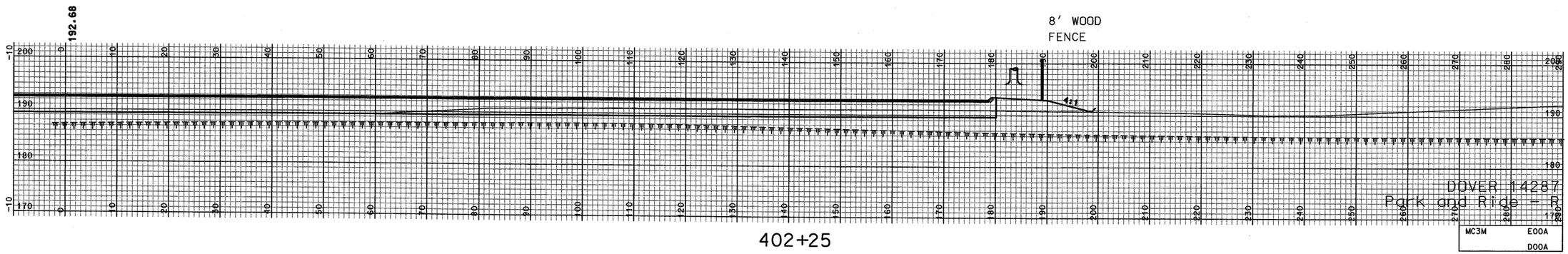
...\cross sections\14287xsr.dgn 6/1/2007 10:23:49 AM n34dtb

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE





SHEET TOTALS			
COMMON EXCAV. 346.03 C.Y.	ROCK EXCAV. – C.Y.		
FILL 58.82 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	35	43

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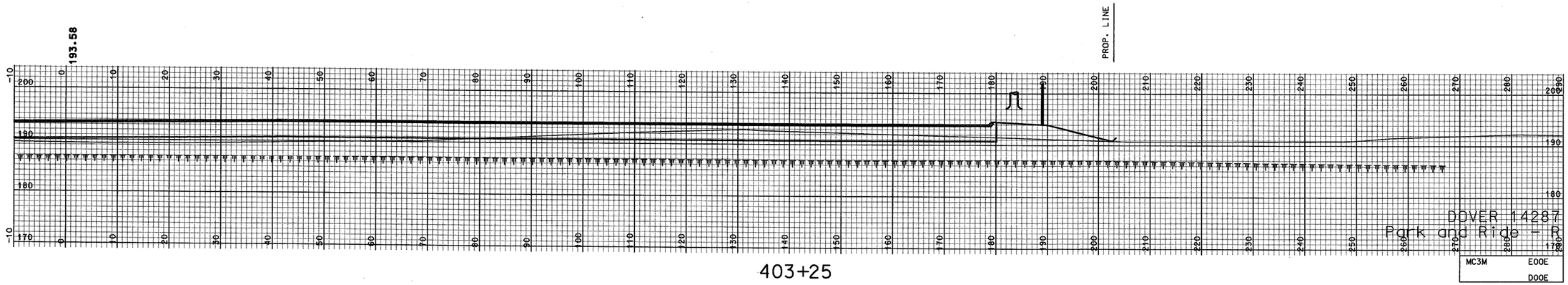

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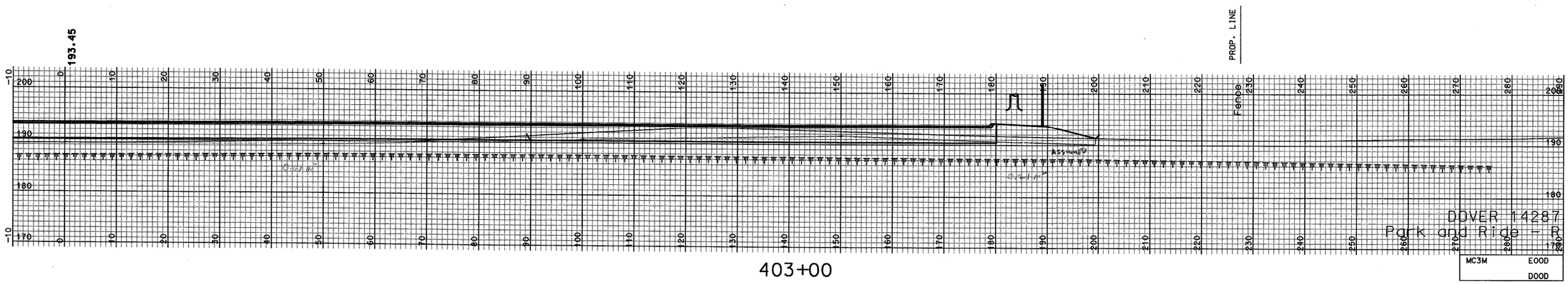

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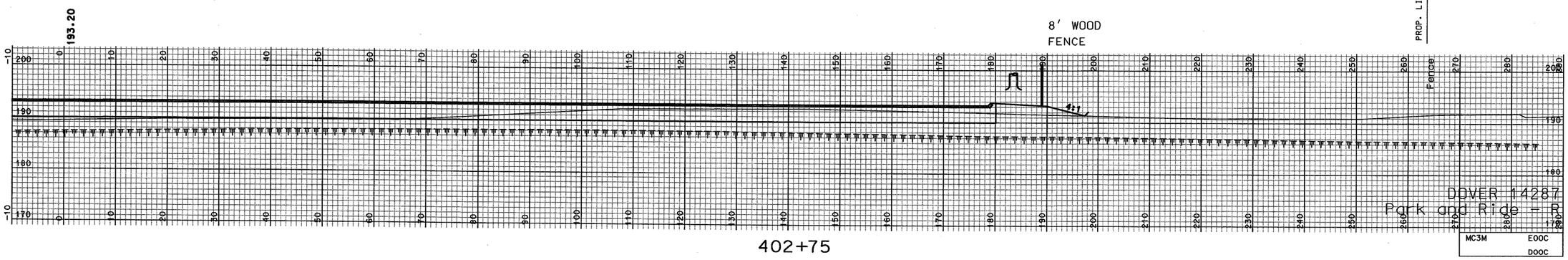


402+75

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 418.29 C.Y. ROCK EXCAV. – C.Y.

FILL 257.43 C.Y. MUCK EXCAV. – C.Y.

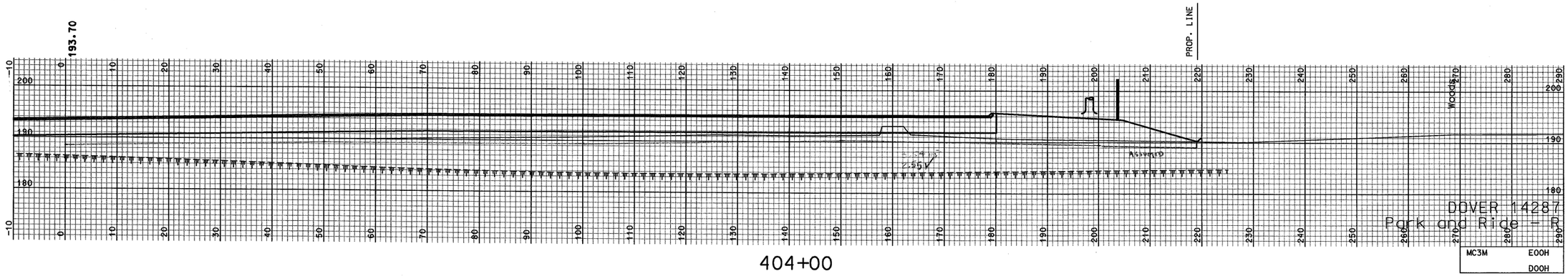
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	36	43

...\cross sections\14287xsr.dgn 6/1/2007 10:23:47 AM n34dtb

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	WSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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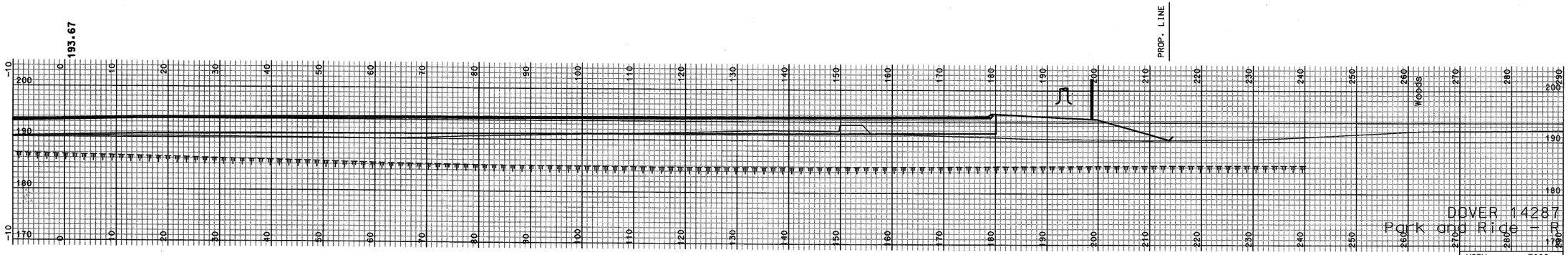

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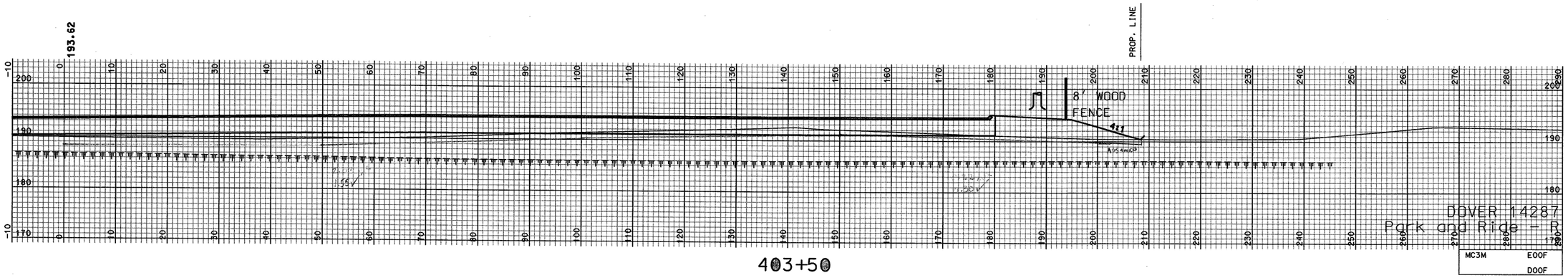


403+50

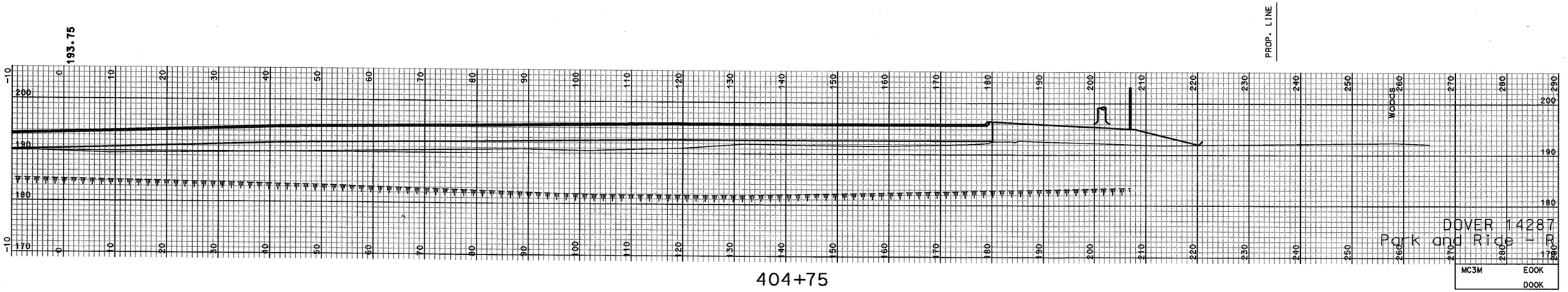
SHEET TOTALS			
COMMON EXCAV. 57.86 C.Y.	ROCK EXCAV. – C.Y.		
FILL 667.42 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	37	43

...\cross sections\14287xsr.dgn 6/17/2007 10:23:50 AM n34gtb

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	NSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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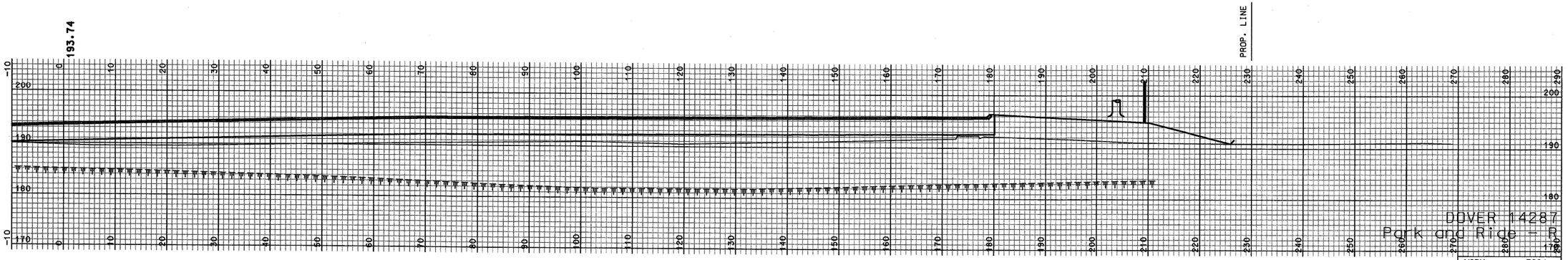

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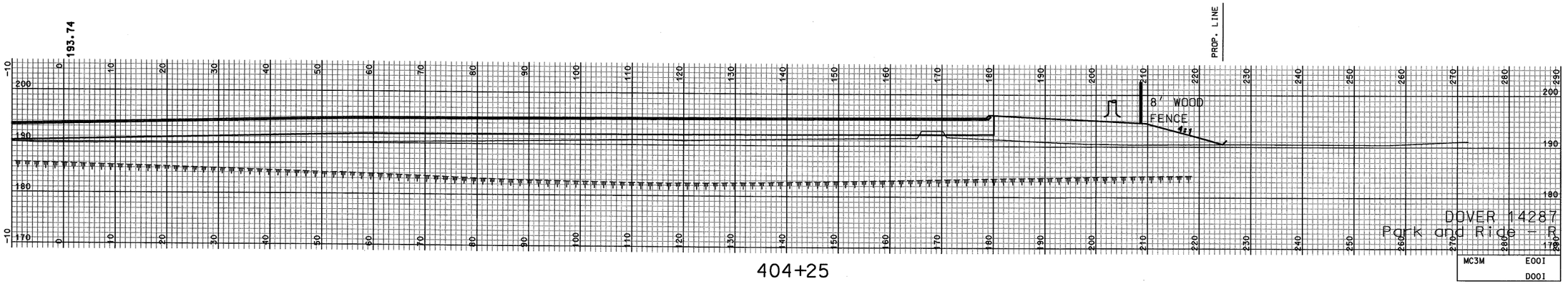

404+25

SHEET TOTALS			
COMMON EXCAV. 5.87 C.Y.	ROCK EXCAV. — C.Y.		
FILL 946.83 C.Y.	MUCK EXCAV. — C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	38	43

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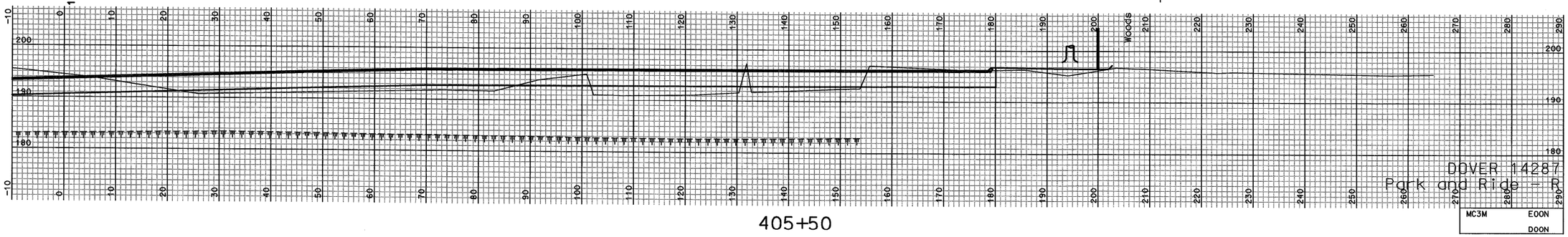
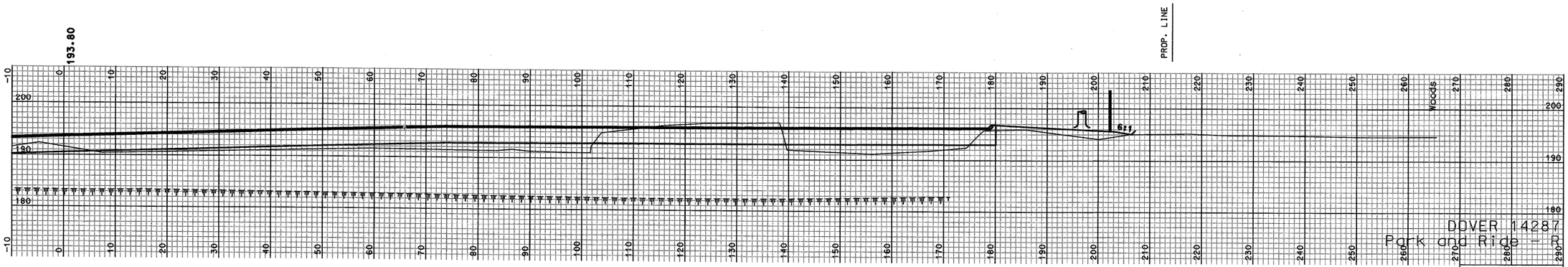


405+50



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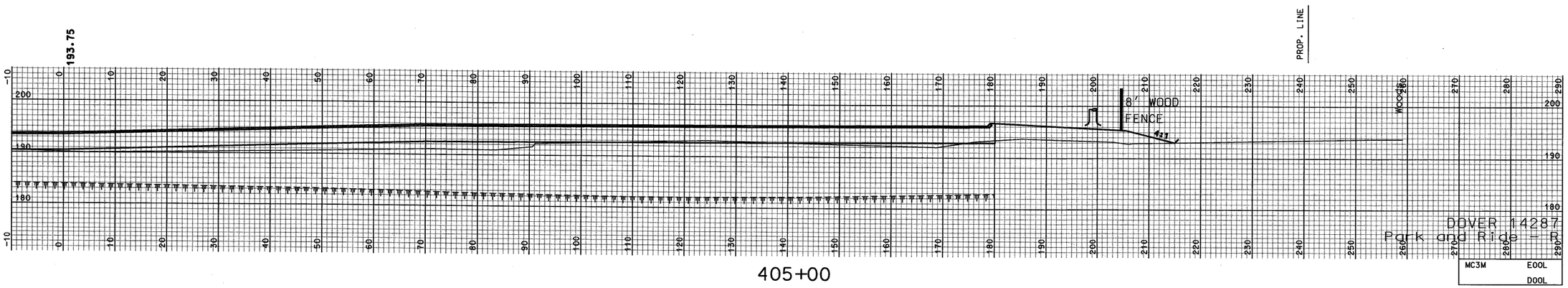

405+00

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 340.94 C.Y. ROCK EXCAV. – C.Y.

FILL 408.19 C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	39	43

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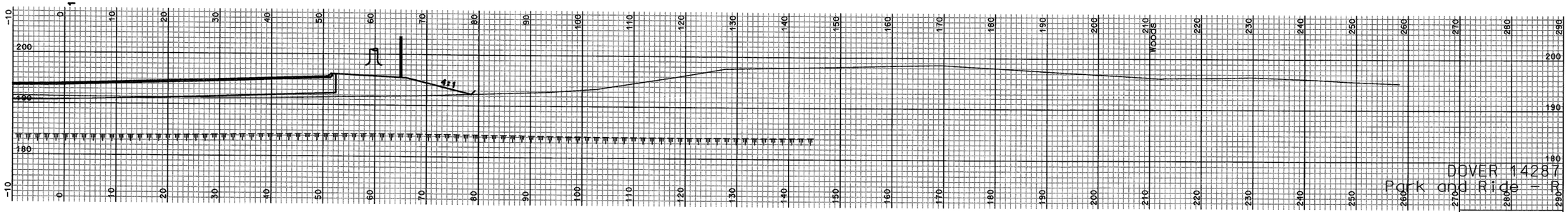
REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

194.10

PROP. LINE



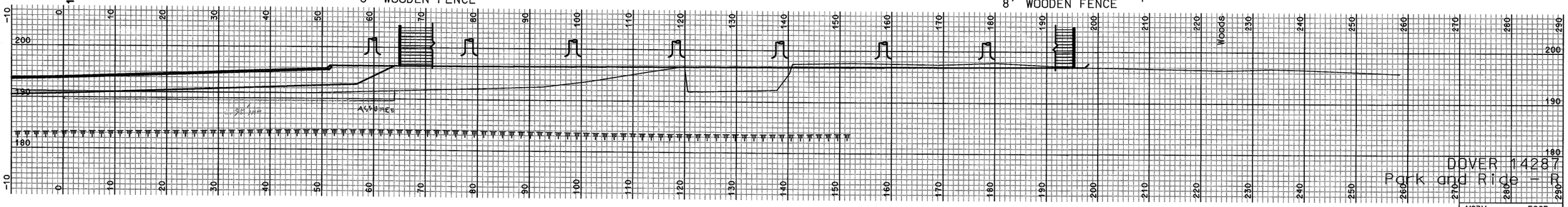
406+25

194.04

8' WOODEN FENCE

8' WOODEN FENCE

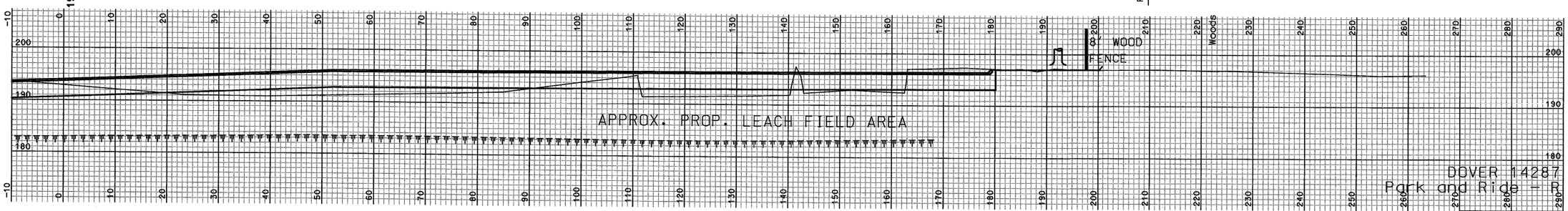
PROP. LINE



406+00

193.95

PROP. LINE



405+75

SHEET TOTALS

COMMON EXCAV.	107.99 C.Y.	ROCK EXCAV.	– C.Y.
FILL	475.36 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	40	43

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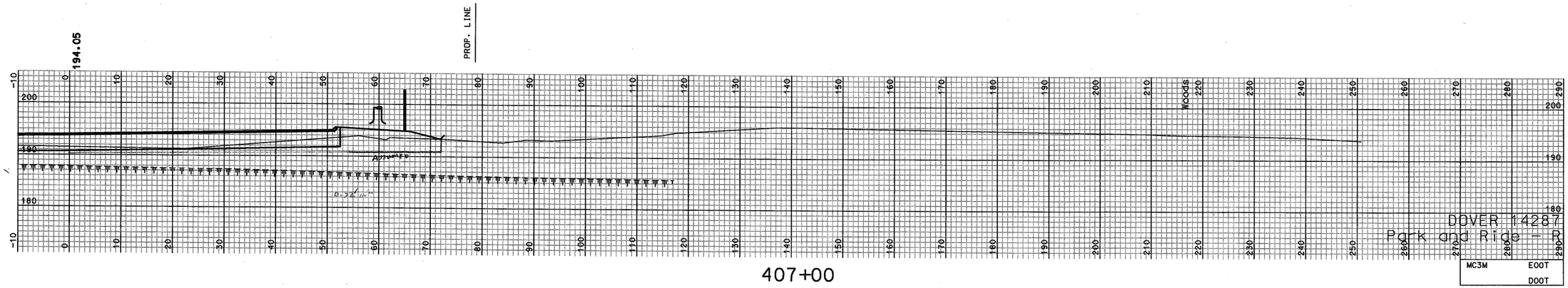

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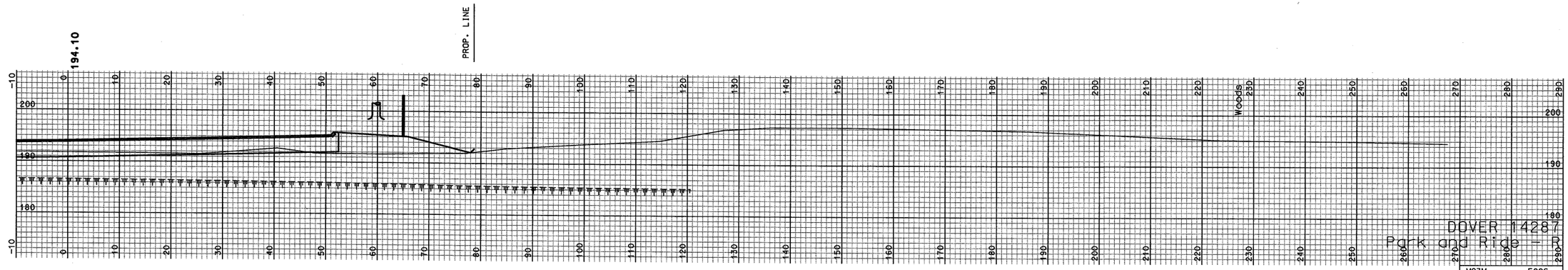

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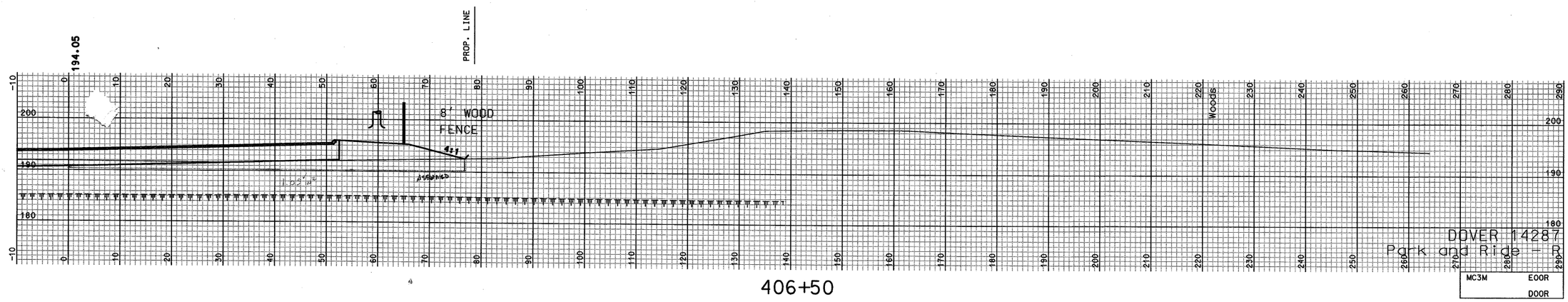


406+50

REVISIONS AFTER PROPOSAL

STATION	DESCRIPTION	STATION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 76.99 C.Y. ROCK EXCAV. – C.Y.

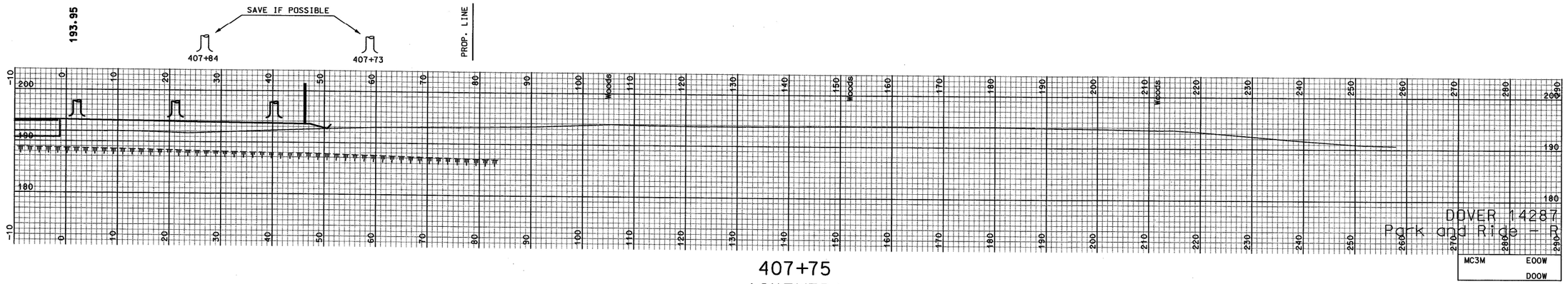
FILL 139.16 C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	41	43

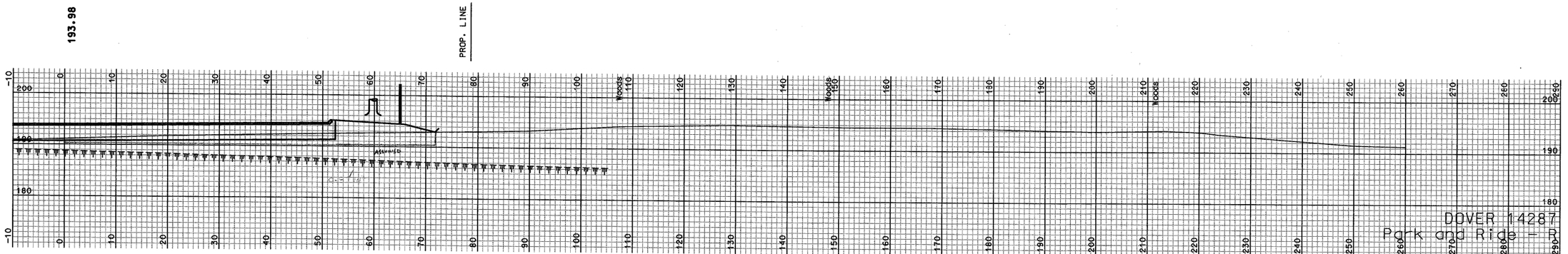
...\cross sections\14287xsr.dgn 6/1/2007 10:23:51 AM n34dtb

REVISIONS AFTER PROPOSAL			
STATION	DESCRIPTION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



407+75
(SKEWED)



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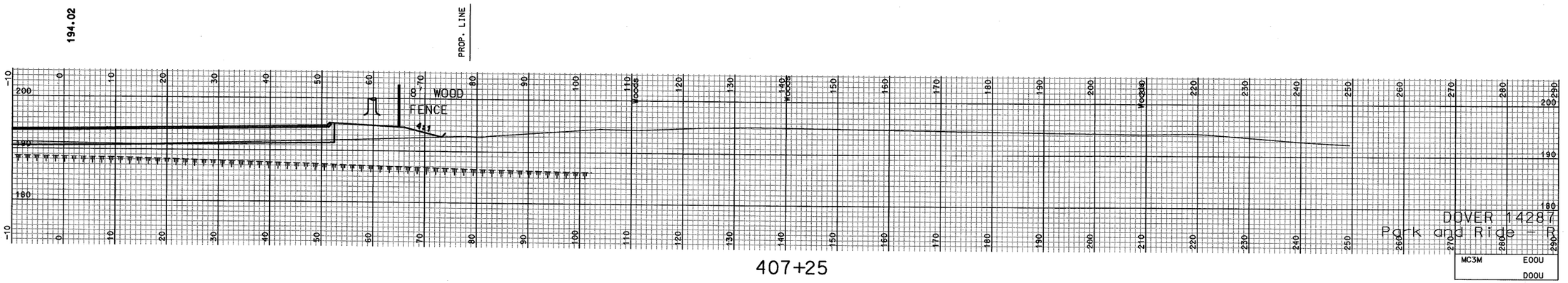

407+25

SHEET TOTALS			
COMMON EXCAV. 51.67 C.Y.	ROCK EXCAV. – C.Y.		
FILL 138.28 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	42	43

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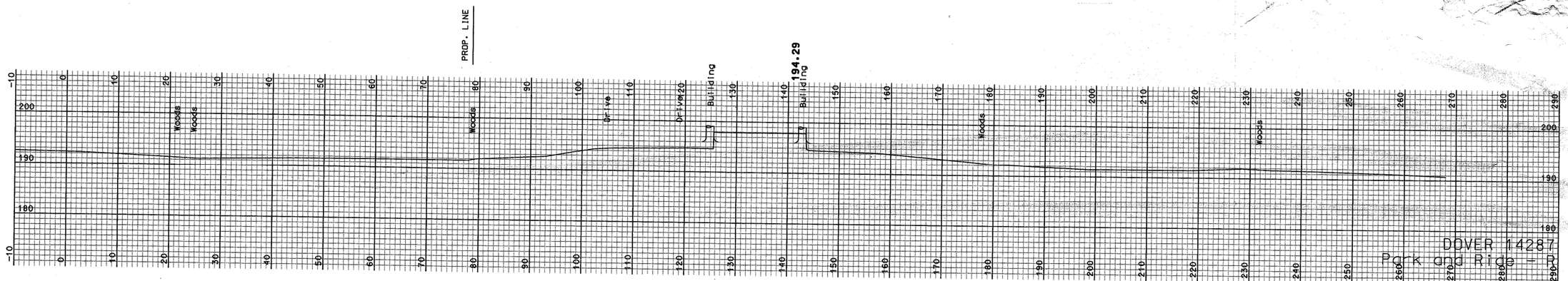

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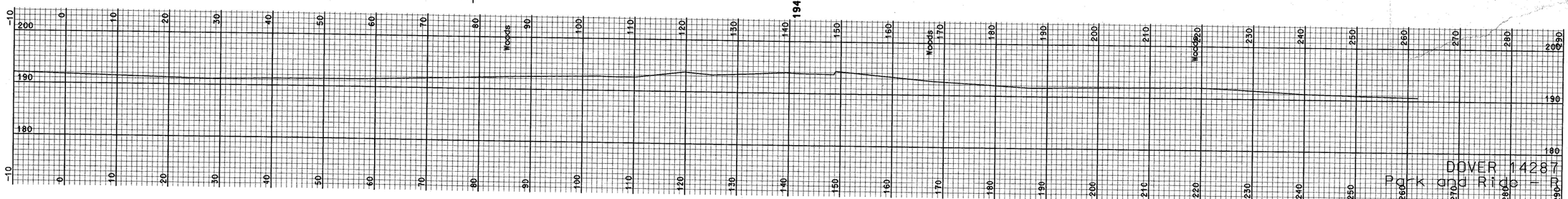

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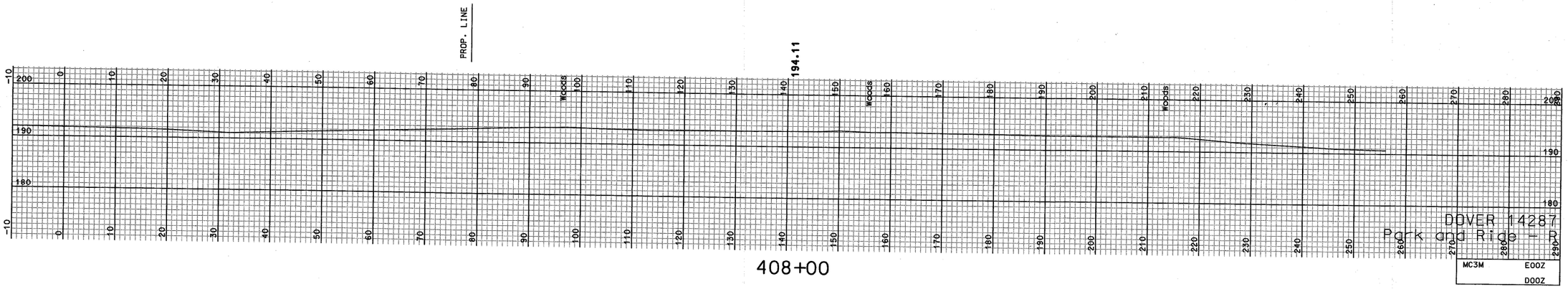


408+00

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. — C.Y.	ROCK EXCAV. — C.Y.		
FILL — C.Y.	MUCK EXCAV. — C.Y.		

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	43	43

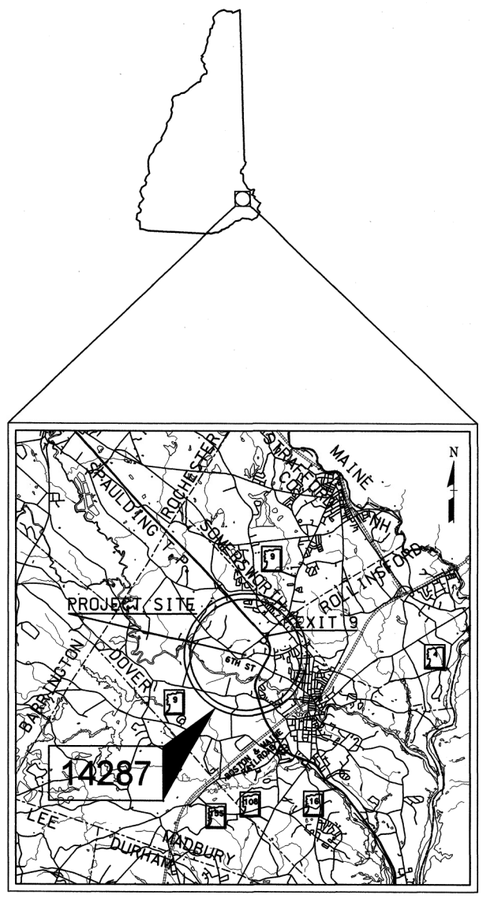
...\cross sections\14287xsr.dgn 6/1/2007 10:23:52 AM n34dtb

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLANS
FEDERAL AID PROJECT

X-A000(280)
N.H. PROJECT NO. 14287
INDIAN BROOK DRIVE
PARK AND RIDE FACILITY
(VOLUME 1)

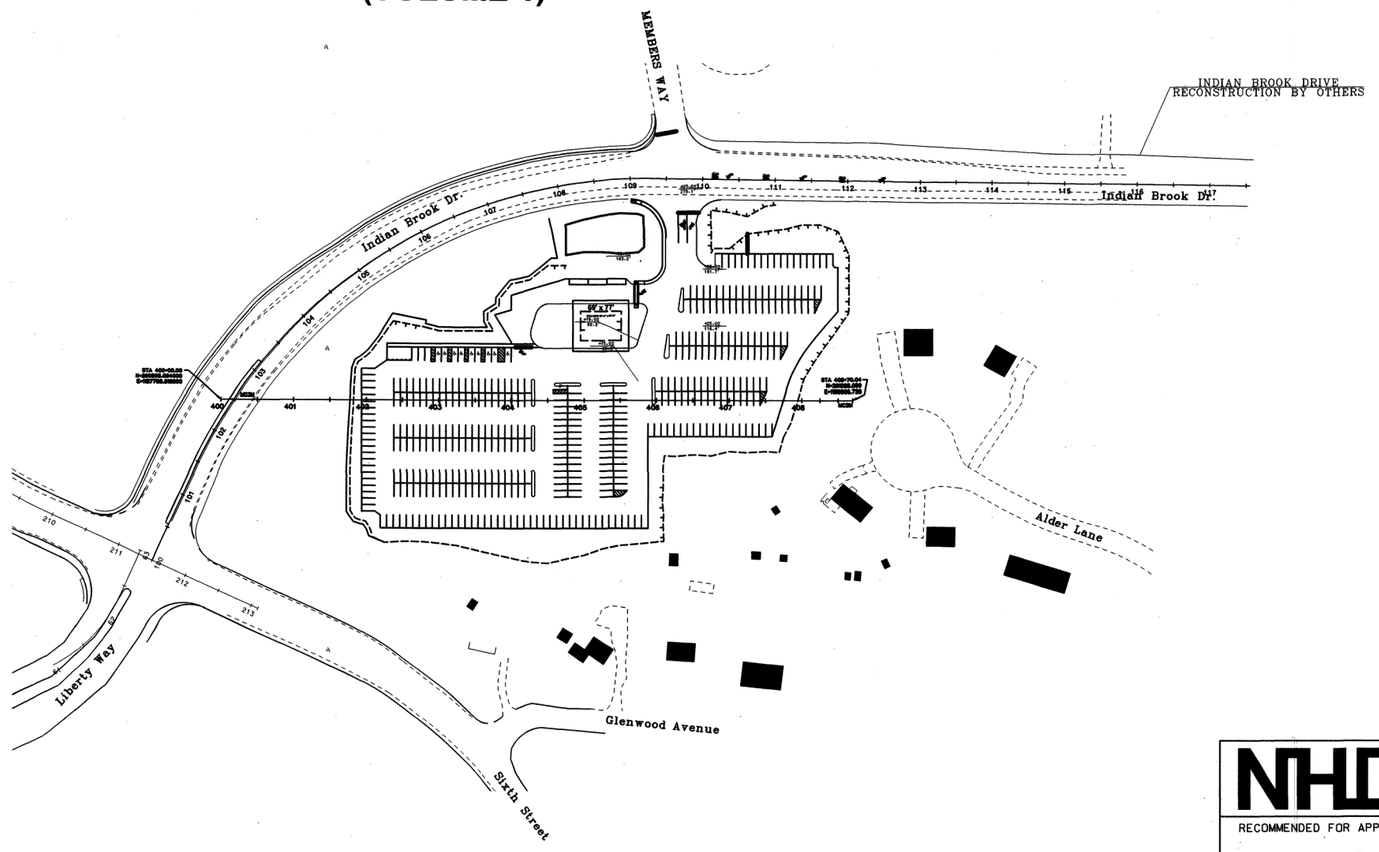
DESIGN DATA	
AVERAGE DAILY TRAFFIC 20 06	14,350
AVERAGE DAILY TRAFFIC 20 26	25,290
PERCENT OF TRUCKS	3.1%
DESIGN SPEED	35
LENGTH OF PROJECT	700'



LOCATION MAP

2 1 0 2 4 mi.

GRAPHIC SCALE



TOWN OF DOVER
COUNTY OF STRAFFORD
1"=100'

CRAIG A. GREEN No. 5059 REGISTERED PROFESSIONAL ENGINEER THE STATE OF NEW HAMPSHIRE

DRAWN BY	MSH
CHECKED BY	WAC
DATE	12/05
DATE	05/06

NHDOT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL:

James A. Moore — DIRECTOR OF PROJECT DEVELOPMENT — June 5, 2007 — DATE

APPROVED: — ASSISTANT COMMISSIONER AND CHIEF ENGINEER — 6/5/07 — DATE

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: — DIVISION ADMINISTRATOR — DATE

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A000(280)	14287	1	43

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
	VOLUME 1
1	TITLE PAGE
2	INDEX
3,4	STANDARD SYMBOLS
5,6	TYPICAL SECTIONS & DETAILS
7,8	SUMMARY OF QUANTITIES
	SPECIAL USE PLANS
9	SIGN TEXT LAYOUT
10	SIDEWALK CURB RAMP WITH DETECTABLE WARNINGS
11	ACCESSIBLE PARKING DETAIL
	ROADWAY / PARKING LOT PLANS
12	GENERAL PLANS
13	DRAINAGE NOTES
14	PAVEMENT MARKING & PERMANENT SIGN PLAN
15	CURBING & PAVEMENT LAYOUT PLAN
16	FINAL LIGHTING, FENCE & LANDSCAPING PLAN
	CROSS SECTIONS
17-30	PARK AND RIDE LEFT
31-43	PARK AND RIDE RIGHT

SEE VOLUME 2 FOR BUILDING AND BUILDING SITE PLANS.

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 LIMITS OF PARCELS 3 AND 6 AND 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 12188. 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. ALL "+" STATIONS AND OFFSETS REFER TO THE 400+00 SERIES BASELINE ESTABLISHED FOR THIS PROJECT.
THE 100+00 & 200+00 SERIES ALIGNMENTS FOR INDIAN BROOK DR. & SIXTH ST. ARE ASSOCIATED WITH LIBERTY MUTUAL'S EXPANSION PROJECT AND ARE SHOWN FOR REFERENCE ONLY.

THE FOLLOWING GENERAL NOTES WILL BE USED ON THIS PROJECT:											
(1)	(3)	(7)	(8)	(10)	(11)	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○

REVISIONS AFTER PROPOSAL

DESCRIPTION	STATION	DATE	NUMBER

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

INDEX OF SHEETS AND GENERAL NOTES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
DetailsINDEX	14287	2	43

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	DATE	STATION

SDR PROCCESSED SEL DATE 10/05
NEW DESIGN MSH DATE 12/05
SHEET CHECKED WAC DATE 05/06
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EDGE OF PAVEMENT — PROPOSED ROADWAY
TRAVELED WAY — existing roadway

(pavement removed outside slope lines)

DRIVEWAYS — (label surface type)

BUILDINGS — (porch); (building to be removed); (label house or type of building)

FOUNDATION — (label type)

GUARDRAIL (LABEL TYPE) — (PROPOSED); (existing) bgr cgr

CURB — (PROPOSED); (existing); (label type)

STEPS AND WALK — (label type)

INTERMITTENT WATER COURSE

SHORE LINE — river/stream; pond; (label name of water body)

BRUSH OR WOODS LINE

TREES (PLANS) — (deciduous) (coniferous) (stump)

TREES (CROSS-SECTIONS) — (show circumference in mm or feet & type)

HEDGE — (label type)

WELL — W

FLAG POLE — fp

GENERAL CULTURE

LEACH FIELD — leach field

GAS PUMP — gp

FUEL TANK (ABOVE GROUND) — ft (label size & type)

SEPTIC TANK — S

GRAVE — gr

BRIDGE CROSSING STREAM

HIGHWAY OVERPASS

ROCK OUTCROP

ORIGINAL GROUND (TYPICALS)

ROCK LINE (TYPICALS & SECTIONS ONLY)

STONE WALL — (existing); (PROPOSED)

RETAINING WALL (LABEL TYPE) — (existing); (PROPOSED); (points toward retained ground)

FENCE (BARBED WIRE)

FENCE (OTHER) — (existing); (PROPOSED); (label fence type)

SIGNS — (single post) (double post)

MAILBOX — mb

SATELLITE DISH ANTENNA — da

WETLANDS

WETLAND DESIGNATION NUMBER — 17 PUB2E

DELINEATED WETLAND — DW

POTENTIAL WET AREA SYMBOL

ENGINEERING

CONSTRUCTION BASELINE — 30 31 32

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)

SLOPE LINE
CLEARING LINE — SLOPE LINE; CLEARING LINE

SLOPE LINE (FILL)

SLOPE LINE (CUT)

PROFILES AND CROSS SECTIONS:
ORIGINAL GROUND ELEVATION (LEFT) 22.10 24.123 (metric) 72.5 79.14 (english)
FINISHED GRADE ELEVATION (RIGHT)

INTERSTATE NUMBERED HIGHWAY — 93

UNITED STATES NUMBERED HIGHWAY — 4

STATE NUMBERED HIGHWAY — 175

BORING LOCATION — B1

TEST PIT — TP1

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

STANDARD SYMBOLS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
DetailsSTDSYMB	14287	3	43

DRAINAGE

MANHOLE ⊙mh — (existing) — MANHOLE ● — (PROPOSED)

CATCH BASIN ⊡cb — (existing) — CATCH BASIN ■ — (PROPOSED)

DROP INLET ⊡di — (existing) — DROP INLET ■ — (PROPOSED)

DRAINAGE PIPE (existing) — (label size & type)

DRAINAGE PIPE (PROPOSED) — (label size & type)

UNDERDRAIN (existing) — show direction of flow

UNDERDRAIN (PROPOSED)

HEADER (existing & PROPOSED)

END SECTION (existing & PROPOSED) — METAL / RCP

OPEN DITCH (PROPOSED)

EROSION CONTROL/ STONE SLOPE PROTECTION

FLOODPLAIN / FLOODWAY

500 YEAR FLOODPLAIN BOUNDARY — —FP500—

100 YEAR FLOODPLAIN BOUNDARY — —FP100—

FLOODWAY — —FW—

BOUNDARIES / RIGHT-OF-WAY

RIGHT-OF-WAY LINE — (label type)

PROPERTY LINE — HATFIELD / McCOY

TOWN LINE — BOW / CONCORD

COUNTY LINE — COOS / GRAFTON

STATE LINE — MAINE / NEW HAMPSHIRE

BOUND ⊡Bnd ⊡NH BND

STATE LINE/ TOWN LINE MONUMENT ⊡S/L ⊡T/L

NHDOT PROJECT MARKER △

IRON PIPE OR PIN ⊙ip ⊙IP

DRILL HOLE IN ROCK ⊙dh

NATIONAL FOREST

PROPERTY PARCEL NUMBER (12)

HISTORIC PROPERTY Ⓗ

UTILITIES

TELEPHONE POLE

POWER POLE

JOINT OCCUPANCY

MISCELLANEOUS/UNKNOWN POLE

GUY POLE OR STUB

(plot point at face not center of symbol)

POLE STATUS: REMOVE, LEAVE, PROPOSED, OR TEMPORARY AS APPLICABLE e.g.:

R L P+22.0 4.80 (metric) T+22.0 4.80 P+35 29.1' (english) T+35 29.1'

LIGHT POLE

LIGHT ON POWER POLE

LIGHT ON JOINT POLE

existing — (PROPOSED)

RAILROAD — (label ownership)

RAILROAD SIGN

RAILROAD SIGNAL

GROUND LIGHT/LAMP POST ⊡gl ⊡lp

UNDERGROUND UTILITIES

WATER (existing) — W — W —

WATER (PROPOSED) — PW — PW —

SEWER (existing) — S — S —

SEWER (PROPOSED) — PS — PS —

TELEPHONE (existing) — T — T —

TELEPHONE (PROPOSED) — PT — PT —

ELECTRIC (existing) — E — E —

ELECTRIC (PROPOSED) — PE — PE —

GAS (existing) — G — G —

GAS (PROPOSED) — PG — PG —

LIGHTING (existing) — L — L —

LIGHTING (PROPOSED) — PL — PL —

OVERHEAD ELECTRIC TRANSMISSION LINE — OE — OE —

(label size, type and, on existing lines, note if abandoned)

UTILITY JUNCTION BOX ⊠jb (existing) ⊠JB (PROPOSED)

WATER GATE

WATER SHUT OFF

GAS SHUT OFF

MANHOLE

(existing) — SEWER — MH-S — (PROPOSED)

TELEPHONE — MH-T

ELECTRICAL — MH-E

GAS — MH-G

HYDRANT

TRAFFIC SIGNALS

MAST ARM (existing)

MAST-ARM (PROPOSED) (WITH TRAFFIC SIGNAL HEADS) — (metric) 9.0 MA — (note angle from @ to arm) — (english) 30' MA

OPTICOM RECEIVER

OPTICOM STROBE

TRAFFIC SIGNAL (existing) — (existing) — (PROPOSED)

PEDESTAL WITH PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON UNIT

STEEL SPAN WIRE POLES

SIGNAL CONDUIT (existing)

SIGNAL CONDUIT (PROPOSED)

CONTROLLER CABINET (existing) ⊠cc (PROPOSED) ⊠CC

METER PEDESTAL ⊠mp ⊠MP

PULL BOX ⊡pb ⊡PB

HAND HOLE ⊡hh ⊡HH

LOOP DETECTOR (QUADRUPOLE) (existing)

(PROPOSED) (label size)

LOOP DETECTOR (RECTANGULAR) (existing)

(PROPOSED) (label size)

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

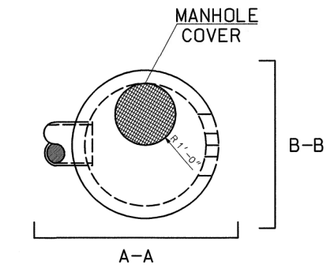
SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

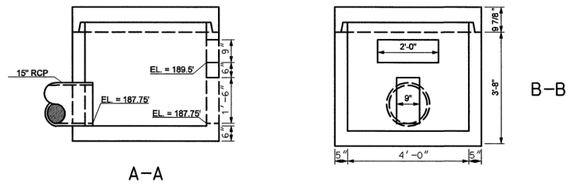
STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

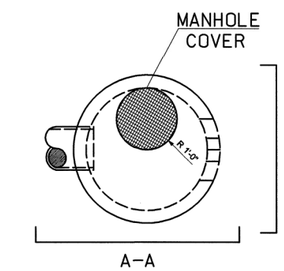
STANDARD SYMBOLS

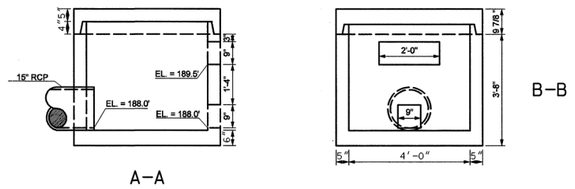
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
DetailsSTDSYMB	14287	4	43





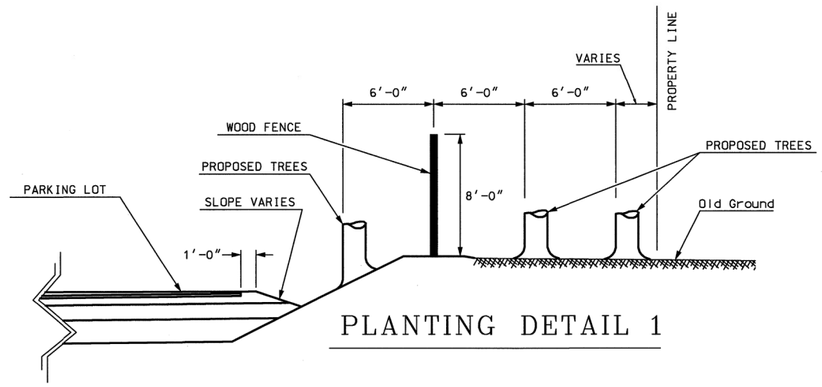
ITEM 604.3913
SPECIAL INLET STRUCTURE # 1



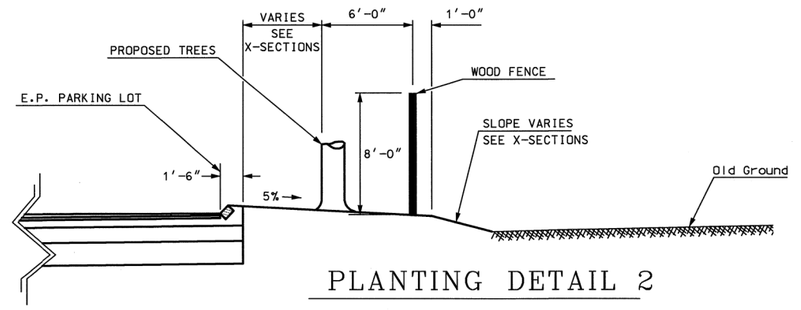


ITEM 604.3914
SPECIAL INLET STRUCTURE # 2

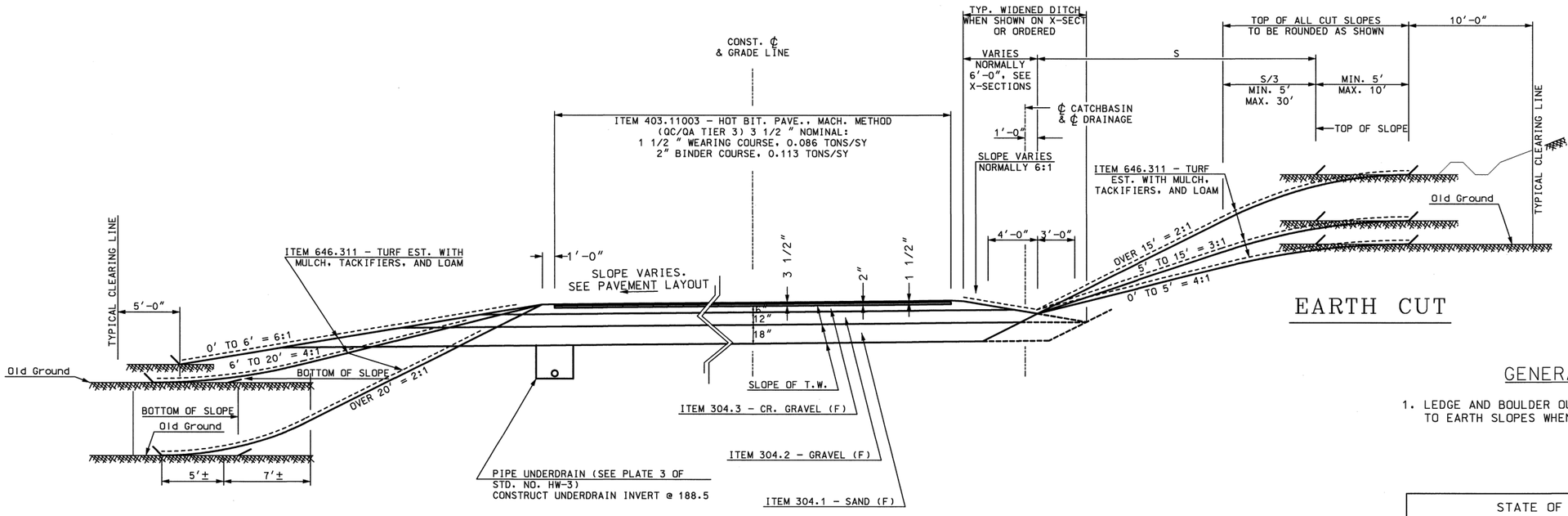
DRAINAGE STRUCTURES



PLANTING DETAIL 1



PLANTING DETAIL 2



PAVEMENT TYPICAL

EARTH CUT

GENERAL NOTES

1. LEDGE AND BOULDER OUTCROPS SHALL BE REMOVED TO EARTH SLOPES WHEN ORDERED BY THE ENGINEER.

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	DATE	STATION

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
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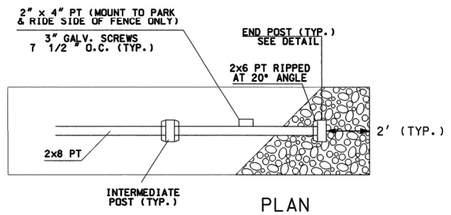
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE

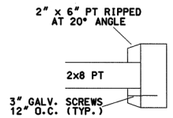
DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

TYPICAL SECTIONS & DETAILS

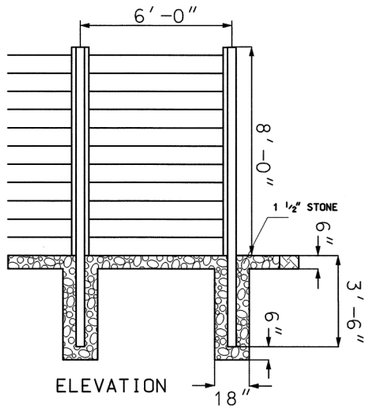
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
Typical Sheet	14287	5	43



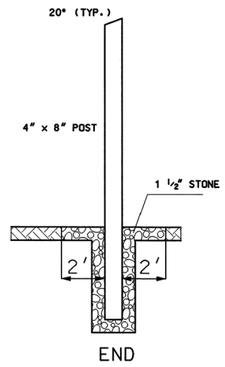
PLAN



END POST DETAIL

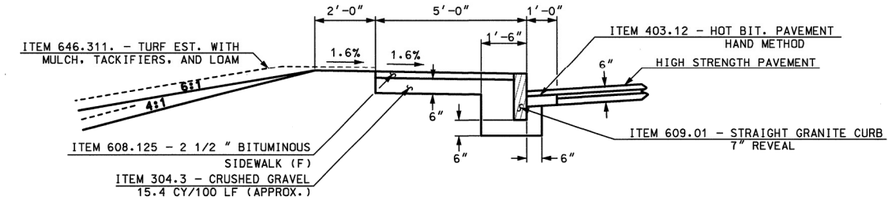


ELEVATION

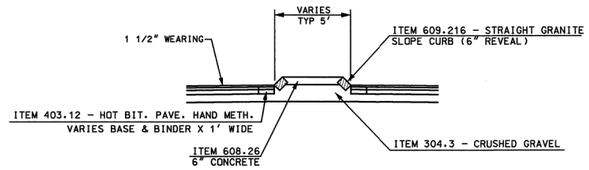


END

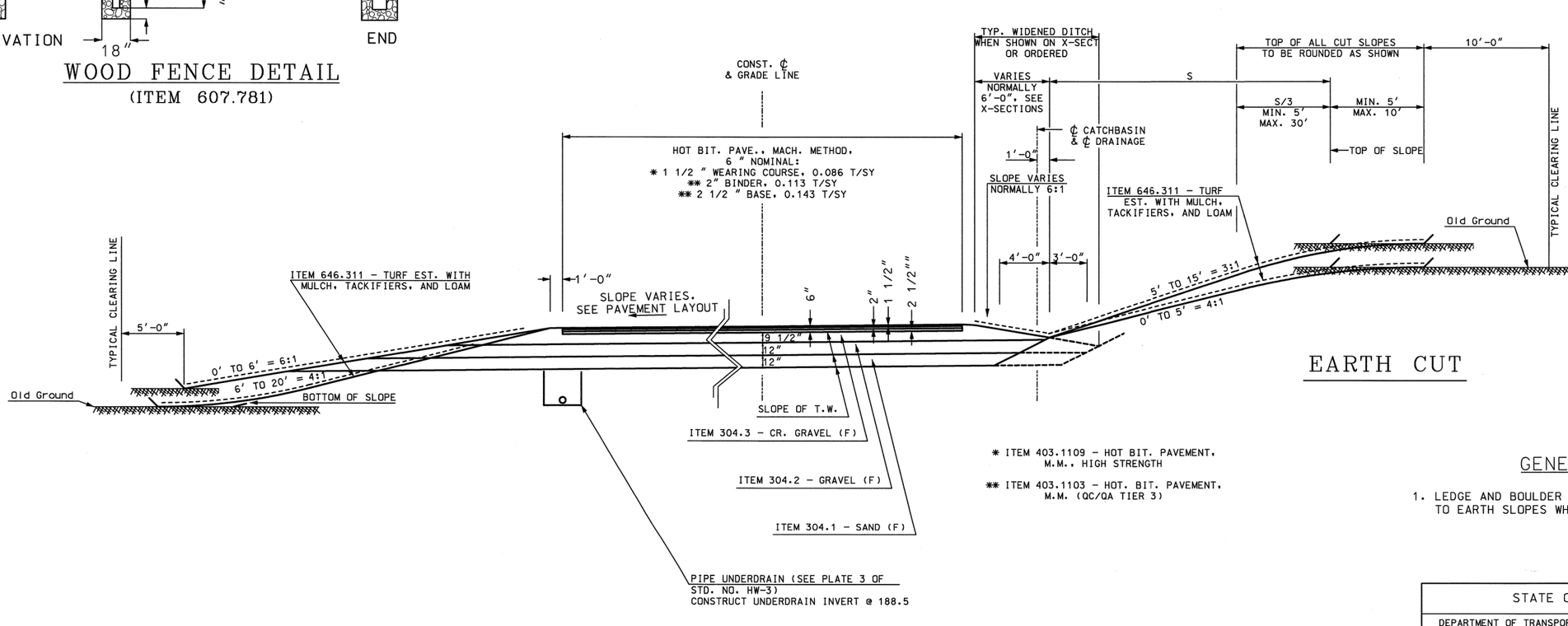
WOOD FENCE DETAIL
(ITEM 607.781)



CURBED SIDEWALK DETAIL



6" CONCRETE ISLAND



EARTH CUT

HIGH STRENGTH PAVEMENT TYPICAL

* ITEM 403.1109 - HOT BIT. PAVEMENT, M.M., HIGH STRENGTH

** ITEM 403.1103 - HOT. BIT. PAVEMENT, M.M. (QC/QA TIER 3)

GENERAL NOTES

1. LEDGE AND BOULDER OUTCROPS SHALL BE REMOVED TO EARTH SLOPES WHEN ORDERED BY THE ENGINEER

REVISIONS AFTER PROPOSAL	NUMBER	DATE	STATION
DESCRIPTION			
SDR PROCCESSED SEL			DATE 10/05
NEW DESIGN MSH			DATE 12/05
SHEET CHECKED WAC			DATE 05/06
AS BUILT DETAILS			DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIG

TYPICAL SECTIONS & DETAILS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHE
Typical Sheet	14287	6	43

DRAINAGE SUMMARY

	603.34112	603.83212	603.83215	604.12	604.3913	604.3914	605.506	605.79	
	12" STEEL END SECTIONS	12" PLASTIC PIPE (SMOOTH INTERIOR)	15" PLASTIC PIPE (SMOOTH INTERIOR)	CATCH BASINS TYPE B	SPECIAL INLET STRUCTURE	SPECIAL INLET STURCTURE	6" PERF. CORR. POLYETHYLENE PIPE UND.	UNDERDRAIN FLUSHING BASINS	COMMENTS
DRAINAGE NOTE	EA	LF	LF	U	U	U	LF	EA	
1						1			
2					1				
3	1	13.7		1					
4		42.1		1					
5			51.3	1					
6		57.2		1					
7		41.1		1					
8			60.3	1					
U1							93.9	1	
U2							103.7	1	
U3							158.0	1	
U4							154.2	1	
SUB-TOTAL	1	154.1	111.6	6	1	1	509.8	4	
ROUNDING	0	5.9	3.4	0	0	0	5.2	0	
TOTAL	1	160.0	115.0	6	1	1	515.0	4	

SIDEWALK

ITEM NO.	608.125	608.24	608.26	608.54
DESCRIPTION	2 1/2" BITUMINOUS SIDEWALK (F)	4" CONCRETE SIDEWALK (F)	6" CONCRETE SIDEWALK (F)	DETECTABLE WARNING PANELS CAST IRON
UNIT	SY	SY	SY	SY
LOCATION				
STA. 405+72 LT. 132		2.8		1.1
STA. 405+72 LT. 158		2.8		1.1
STA. 405+75 LT 161 - 405+72 LT 273	78.4			
STA. 405+69 LT. 275		4.1		1.5
STA. 404+30 RT.			20.0	
STA. 404+30 RT.			20.0	
STA. 404+30 LT.			20.0	
STA. 404+78 LT.			20.0	
STA. 405+41 LT.			20.0	
STA. 405+96 LT.			19.9	
STA. 406+14 LT.			22.2	
STA. 406+34 LT.			22.2	
STA. 402+50 LT.			70	
SUBTOTAL	78.4	9.7	234.2	3.7
ROUNDING	1.6	0.3	5.8	1.3
TOTAL	80	10	240	5

CURBING

ITEM NO.	MARK NUMBER	RADIUS (FT)	609.01	609.216	609.226
DESCRIPTION			STRAIGHT GRANITE CURB	STRAIGHT GRANITE SLOPE CURB, 6" HIGH	STRAIGHT GRANITE SLOPE CURB W/ RADIAL JOINTS, 6" HIGH
UNIT			LF	LF	LF
405+65.5 LT. 275.8' - 406+12.7 LT. 225.9'	G-1	50	79.7		
406+12.7 LT. 188.3' - 406+12.7 LT. 225.9'	G-2		37.6		
406+12.7 LT. 188.3' - 405+82.7 LT. 158.3'	G-3	30	47.1		
405+69.5 LT. 163.3' - 405+57.5 LT. 166.3'	G-4		20.5		
406+54.3 LT. 240.1' - 406+89.3 LT. 275.1'	G-5	35		55.0	
406+54.3 LT. 202.5' - 406+54.3 LT. 240.1'	G-6			37.6	
406+54.3 LT. 202.5' - 406+74.3 LT. 182.5'	G-7	20		31.4	
406+74.3 LT. 182.5' - 406+80.7 LT. 182.5'	G-8			6.4	
405+88.1 RT. 51.0' - 407+59.1 RT. 51.0'	G-12			171.0	
402+19.1 RT. 178.6' - 405+88.1 RT. 178.6'	G-14			369.0	
404+27.3 RT. 132.1' - 404+32.3 RT. 132.1'	G-15	2.5			7.9
404+32.3 RT. 132.1' - 404+32.3 RT. 100.1'	G-16			32.0	
404+27.3 RT. 100.1' - 404+32.3 RT. 100.1'	G-17	2.5			7.9
404+27.3 RT. 132.1' - 404+27.3 RT. 100.1'	G-18			32.0	
404+27.3 RT. 69.1' - 404+32.3 RT. 69.1'	G-19	2.5			7.9
404+32.3 RT. 69.1' - 404+32.3 RT. 37.1'	G-20			32.0	
404+27.3 RT. 37.1' - 404+32.3 RT. 37.1'	G-21	2.5			7.9
404+27.3 RT. 69.1' - 404+27.3 RT. 37.1'	G-22			32.0	
404+27.3 RT. 6.1' - 404+32.3 RT. 6.1'	G-23	2.5			7.9
404+32.3 RT. 6.1' - 404+32.3 LT. 25.9'	G-24			32.0	
404+27.3 LT. 25.9' - 404+32.3 LT. 25.9'	G-25	2.5			7.9
404+27.3 RT. 6.1' - 404+27.3 LT. 25.9'	G-26			32.0	
404+61.6 LT. 23.4' - 404+61.6 LT. 18.4'	G-27	2.5			7.9
404+61.6 LT. 18.4' - 404+93.6 LT. 18.4'	G-28			32.0	
404+93.6 LT. 18.4' - 404+93.6 LT. 23.4'	G-29	2.5			7.9
404+61.6 LT. 23.4' - 404+93.6 LT. 23.4'	G-30			32.0	
405+24.6 LT. 23.4' - 405+24.6 LT. 18.4'	G-31	2.5			7.9
405+24.6 LT. 18.4' - 405+56.6 LT. 18.4'	G-32			32.0	
405+56.6 LT. 18.4' - 405+56.6 LT. 23.4'	G-33	2.5			7.9
405+24.6 LT. 23.4' - 405+56.6 LT. 23.4'	G-34			32.0	
405+93.4 RT. 4.0' - 405+98.4 RT. 4.0'	G-35	2.5			7.9
405+98.4 RT. 4.0' - 405+98.4 LT. 28.0'	G-36			32.0	
405+93.4 LT. 28.0' - 405+98.4 LT. 28.0'	G-37	2.5			7.9
405+93.4 RT. 4.0' - 405+93.4 LT. 28.0'	G-38			32.0	
406+09.8 LT. 61.7' - 406+17.7 LT. 61.1'	G-39	4			13.5
406+17.7 LT. 89.0' - 406+17.7 LT. 61.1'	G-40			27.9	
406+13.7 LT. 89.0' - 406+17.7 LT. 89.0'	G-41	2			6.3
406+09.8 LT. 61.7' - 406+13.7 LT. 89.0'	G-42			27.6	
406+29.5 LT. 124.7' - 406+37.4 LT. 124.1'	G-43	4			13.5
406+37.4 LT. 152.0' - 406+37.4 LT. 124.1'	G-44			27.9	
406+33.4 LT. 152.0' - 406+37.4 LT. 152.0'	G-45	2			6.3
406+29.5 LT. 124.7' - 406+33.4 LT. 152.0'	G-46			27.6	
406+80.7 LT. 182.5' - 406+80.7 LT. 201.0'	G-48			18.5	
405+82.7 LT. 158.3' - 405+74.5 LT. 158.3'	G-49		8.2		
	SUBTOTAL		193.1	1,183.9	134.4
	ROUNDING		6.9	1.1	0.6
	TOTAL		200.0	1,185.0	135.0

LANDSCAPING AND SLOPE PROTECTION

ITEM NO.	641	645.531	646.3	651.34071	651.82071	652.13601	652.69601
DESCRIPTION	LOAM	SILT FENCE	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	PICEA GLAUCA WHITE SPRUCE 7' B & B	THUJA OCCIDENTALIS NIGRA DARK AMERICAN ARBORVITAE 7' B & B	ACER SACCHARUM GREEN MOUNTAIN SUGAR MAPLE, 2.5" CAL. B & B	QUERCUS RUBRA RED OAK 2.5" CAL. B & B
UNIT	CY	LF	ACRE	EA	EA	EA	EA
PARK & RIDE	880	2,000	1.63	10	58	5	5
SUB-TOTAL	880	2,000	1.63	10	58	5	5
ROUNDING	20	0	0.02	0	7	0	0
TOTAL	900	2,000	1.65	10	65	5	5

SIGNING

ITEM NO.	DESCRIPTION	UNIT	TOTAL
615.012	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS (F)	SF	143.00
615.02	TRAFFIC SIGN TYPE B (F)	SF	30.00
615.03	TRAFFIC SIGN TYPE C (F)	SF	88.50
615.05	TRAFFIC SIGN TYPE BB (F)	SF	12.33
615.06	TRAFFIC SIGN TYPE CC (F)	SF	10.17

SURFACING MATERIALS

ITEM NO.	304.1	304.2	304.3	403.11003	403.1109	403.12	
DESCRIPTION	SAND (F)	GRAVEL (F)	CRUSHED GRAVEL (F)	HOT BITUMINOUS PAVEMENT, MACH. METHOD, QC/QA TIER 3	HOT BITUMINOUS PAVEMENT, MACH. METHOD, HIGH STRENGTH	HOT BITUMINOUS PAVEMENT, HAND METHOD	REMARKS
UNIT	CY	CY	CY	TON	TON	TON	
LOCATION							
PARK & RIDE	9340.0	6476.0	3793.0	3,473.00	160.00	24.88	
SUB-TOTAL	9340	6,476	3,793	3,473.0	160.0	24.9	
ROUNDING	10	24	7	7.0	10.0	5.1	
TOTAL	9,350	6,500	3,800	3,480.00	170.00	30.00	

EARTHWORK

		CY	TOTAL
Common Excavation in Sections, Including Pavement		10,698	
Common Excavation Not In Sections (Bituminous Pavement)		0	
Drive and Approach Excavation		0	
Common Excavation for Wetland Creation		0	
Topsoil Removed Beneath Fill Sections		2,005	
Bituminous Pavement in Fill Sections		0	
Total Common Excavation		12,703	
COMMON EXCAVATION FOR ESTIMATE	ITEM 203.1		12,750
Rock Excavation As Estimated in Geotechnical Report		2,000	
Boulders in Sections		0	
Total Rock Excavation		2,000	
ROCK EXCAVATION FOR ESTIMATE	ITEM 203.2		2,000
Section Fills		3,350	
Topsoil Replacement		2,005	
Drive and Approach Fill		0	
Embankment-In-Place (F)		5,355	
EMBANKMENT-IN-PLACE FOR ESTIMATE	ITEM 203.6		5,400

REVISIONS AFTER PROPOSAL

STATION	DESCRIPTION	STATION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	CZR	DATE 05/06
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

SUMMARY TABLES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287SUM	14287	7	43

PAVEMENT MARKINGS

ITEM NO.	632.3104	632.3106	632.3118	632.32
DESCRIPTION	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, 4" LINE	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, 6" LINE	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, 18" LINE	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING, SYMBOL OR WORD
LOCATION	LF	LF	LF	SF
~PARKING SPACE LINES~				
HANDICAP & MOTORCYCLE SPACES 402+28 LT 54.4 - 403+99 LT 54.4	781.4			
SPACES @ 402+00	388.5			
SPACES 402+25 - 405+75	720.0			
SPACES 405+90 - 407+60	360.0			
SPACES 406+90 - 408+40	314.5			
SPACES REF. A-B	966.0			
SPACES REF. C-D	966.0			
SPACES REF. E-F	966.0			
SPACES REF. G-H	782.0			
SPACES REF. I-J	827.1			
SPACES REF. K-L	812.3			
SPACES REF. M-N	858.3			
SPACES REF. O-P	996.3			
EMPLOYEE PARKING 404+79.5 LT 158.3 thru 405+57.5 LT 158.3	110.0			
406+30 LT. 216' - 253'	74.0			
406+42 LT. 216' - 253'	37.0			
405+69.5 LT 132.4 - 158.3		25.9		
405+74.5 LT. 132.4 - 158.3		25.9		
403+99.5 - 404+40.9 LT 72.9		41.4		
403+99.5 - 404+32.6 LT 77.9		33.1		
406+30 - 406+58 LT. 257'			28.0	
RIGHT TURN ARROW 404+20 LT. 64'				17.0
RIGHT TURN ARROW 406+46 LT. 234'				17.0
LEFT TURN ARROW 405+76 LT. 145'				17.0
COMB. ARROW 406+38 LT. 234'				28.8
HANDICAP SYMBOL 402+99 - 403+95 LT. 64'				23.4
SUBTOTAL	9959.4	126.3	28.0	103.2
ROUNDING	40.6	3.7	2.0	0.8
TOTAL	10,000	130.0	30.0	104.0

LIGHTING SUMMARY

Ref. No.	Ref. Line for Conduit	Location	614.331 3" Steel Conduit	614.511 Concrete Pull Box, 14"	614.523 Molded Pull Box, 17" x 30"	614.7318 3" PVC Conduit SCH 80	625.22 Concrete Light Pole Base	625.25 Concrete Light Pole Base 2' Reveal	625.551 Orna. Pole 18' Dual Head	625.552 Orna. Pole 20' Single Head	625.553 Orna. Pole 20' Dual Head
A		405+44, LT 173' (Power Source)									
D	A-D	405+44, LT 173' TO 405+99 LT 173'	26		1	29					
B	D-B	405+99 LT 173' TO 405+99 LT 216'	26		1	17					
C	B-C	405+99 LT 216' TO 405+95 LT 223'				9	1			1	
E	D-E	405+99 LT 173' TO 405+67 LT 179'	26			6	1			1	
F	D-F	405+99 LT 173' TO 404+44 LT 180'	26		1	130					
G	F-G	404+44 LT 180' TO 404+38 LT 158'				9	1			1	
H	F-H	404+44 LT 180' TO 403+96 LT 81'	26		1	67					
I	H-I	403+96 LT 81' TO 403+67 LT 91'	26			4	1			1	
J	H-J	403+96 LT 81' TO 402+55 LT 81'	26		1	114					
K	J-K	402+55 LT 81' TO 402+65 LT 91'	13			2	1			1	
L	J-L	402+55 LT 81' TO 401+91 RT 4'	26		1	81					
M	L-M	401+91 RT 4' TO 401+83 RT 11'				11	1			1	
N	L-N	401+91 RT 4' TO 401+91 RT 119'	26		1	89					
O	N-O	401+91 RT 119' TO 401+83 RT 128'				10	1			1	
P	N-P	401+91 RT 119' TO 403+07 RT183'	26		1	107					
Q	P-Q	403+07 RT 183' TO 403+22 RT 189'	13			3	1			1	
R	P-R	403+07 RT 183' TO 404+30 RT 183'	26		1	97					
S	R-S	404+30 RT 183' TO 404+39 RT 189'				11	1			1	
T	R-T	404+30 RT 183' TO 404+30 RT 57'	26		1	99					
U	T-U	404+30 RT 57' TO 404+30 RT 51'				6	1				1
V	T-V	404+30 RT 57' TO 403+15' RT 57'	26	1		89					
W	V-W	403+15 RT 57' TO 403+12 RT 54'				5		1	1		
X	T-X	404+30 RT 57' TO 404+84 LT 22'	26		1	70					
Y	X-Y	404+84 LT 22' TO 404+78 LT 22'				7	1				1
Z	R-Z	404+30' RT 183' TO 405+46' RT 183'	26		1	90					
AA	Z-AA	405+46' RT 183' TO 405+52 RT 189'				9	1			1	
BB	Z-BB	405+46 RT 183' TO 405+91 RT 183'	26		1	19					
CC	BB-CC	405+91 RT 183' TO 405+91 RT 54'	26		1	103					
DD	CC-DD	405+91 RT 54' TO 405+98 RT 55'				7	1			1	
EE	CC-EE	405+91 RT 54' TO 406+51 RT 54'	26		1	34					
FF	EE-FF	406+51 RT 54' TO 406+55 RT 58'				5	1			1	
GG	EE-GG	406+51 RT 54' TO 407+52 RT 54'	26		1	75					
HH	GG-HH	407+52 RT 54' TO 407+64 RT 56'				12	1			1	
II	GG-II	407+52 RT 54' TO 408+05 LT 64'	26		1	103					
JJ	II-JJ	408+05 LT 64' TO 408+05 LT 57'				7	1			1	
KK	II-KK	408+05 LT 64' TO 406+44 LT 69'	26	1		135					
LL	KK-LL	406+44 LT 69' TO 406+43 LT 74'				5		1	1		
MM	II-MM	408+05 LT 64' TO 408+52 LT 164'	26		1	84					
NN	MM-NN	408+52 LT 164' TO 408+55 LT 159'				6	1			1	
OO	MM-OO	408+52 LT 164' TO 407+28 LT 204'	26		1	107					
PP	OO-PP	407+26 LT 204' TO 407+17 LT 206'				9	1			1	
		TOTALS:	624	2	19	1882	18	2	2	16	2

INCIDENTAL ITEMS

ITEM NO.	DESCRIPTION	UNIT	TOTAL
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50
214	FINE GRADING	U	1
607.781	WOOD FENCE, 8' HIGH	LF	980
616.101	TRAFFIC SIGNALS	U	1
618.7	FLAGGERS	HR	200
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROL	HR	50
660.75	BUILDING	U	1
670.95	TEMPORARY SAFETY FENCE	LF	1,025
692	MOBILIZATION	U	1
698.14	FIELD OFFICE TYPE D	MON	12
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	$	1
1010.15	FUEL ADJUSTMENTS	$	1
1010.2	ASPHALT CEMENT ADJUSTMENT	$	1
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) FOR ASPHALT	$	1

CLEARING AND GRUBBING

ITEM NO.		201.1
DESCRIPTION		CLEARING AND GRUBBING (F)
UNIT		A
LABEL	AREA (sf)	
A	242119	5.558
SUB-TOTAL		5.558
ROUNDING		0.002
TOTAL		5.56

SUBSIDIARY ITEMS

DESCRIPTION
MAINTENANCE OF TRAFFIC
CONNECTIONS TO EXISTING DRAINAGE

NOTE: THIS LIST SHOULD NOT BE CONSIDERED TO BE A LIST OF SUBSIDIARY WORK PRESENT IN THE PROJECT. REFER ALSO TO THE PLANS, PROPOSAL, SPECIAL PROVISIONS, AND TO THE STANDARD SPECIFICATIONS.

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCCESSED SEL DATE 10/05
NEW DESIGN CZR DATE 05/06
SHEET CHECKED WAC DATE 05/06

AS BUILT DETAILS DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIG

SUMMARY TABLES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287SUM	14287	8	43

ITEM #	IDENT #	SIGN SIZE WIDTH (inch)	SIGN SIZE HEIGHT (inch)	TEXT	TEXT DIMENSIONS LETTER HEIGHT (inch) UC	LC	CAPS	SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.) NOM AREA	SIGN AREA (SQ. FT.) TOTAL AREA	POSTS PER SIGN BREAKAWAY	STEEL I-BEAM	CONCRETE BASE	4" OD ALUMINUM	U-CHANNEL-GALV.	REMARKS
615.03	R3-8(25)	36	30	ONLY			4D				1	7.50	7.50					1	BLACK/WHITE
615.03	R3-8(134)	48	30	ONLY			4D				1	10.00	10.00					2	BLACK/WHITE
615.03	R3-8(1335)	60	36	ONLY ONLY			5D				1	15.00	15.00					2	BLACK/WHITE
615.03	R7-8(M)	18	24	RESERVED PARKING			3C 3C				9	3.00	27.00						GREEN/BLUE/WHITE SQUARE BLUE SYMBOL IS 8" x 8"
615.06	R7-8a	18	9	VAN ACCESSIBLE			2D 1.5D				9	1.13	10.13						GREEN/WHITE MOUNT BELOW R7-8
615.012	D4-2(M)	132	78	NH PARK & RIDE NEXT RIGHT			12E 12E 10E				2	71.50	143.00	X	2				GREEN/WHITE
615.02	D4-2L(NH)	30	36	NH PARK & RIDE			6D 4D 4D		14x4		1	7.50	15.00					1	GREEN/WHITE INSTALL SIGN ON INDIAN BROOK DRIVE
											2						1		GREEN/WHITE INSTALL SIGNS AT EXIT 9 OFF-RAMP
615.02	D4-2R(NH)	30	36	NH PARK & RIDE			6D 4D 4D		14x4		1	7.50	15.00					1	GREEN/WHITE
615.05	SP-01	30	8	BUS TERMINAL			4D 4D				2	1.67	3.33						GREEN/WHITE MOUNT BELOW D4-2R & D4-2L
615.05	SP-02	36	36	NH RIDESHARE 1-800-462-8707 NH ONLY OR (603) 271-4043 www.nhrideshare.com		3B	5C 5C			3B 3B	1	9.00	9.00					1	GREEN/WHITE

ITEM #	IDENT #	SIGN SIZE WIDTH (inch)	SIGN SIZE HEIGHT (inch)	TEXT	TEXT DIMENSIONS LETTER HEIGHT (inch) UC	LC	CAPS	SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.) NOM AREA	SIGN AREA (SQ. FT.) TOTAL AREA	POSTS PER SIGN BREAKAWAY	STEEL I-BEAM	CONCRETE BASE	4" OD ALUMINUM	U-CHANNEL-GALV.	REMARKS
615.03	SP-03	30	24	MOTORCYCLE PARKING			5B 5B		18x26		1	5.00	5.00					1	WHITE/GREEN
615.03	SP-04	18	24	EMPLOYEE PARKING ONLY			3B 3B 3B				3	3.00	9.00					1	BLACK/WHITE
615.03	SP-05	30	24	24 HOUR VIDEO SURVEILLANCE			4B 4B 4B				1	5.00	5.00					1	BLACK/WHITE
615.03	SP-06	30	24	BUSES ONLY NO CARS BEYOND THIS POINT			4C 4C 4C 4C				1	5.00	5.00					1	BLACK/WHITE
615.03	SP-07	24	30	ASSEMBLY AND DISASSEMBLY OF TRAILERS PROHIBITED RSA 266:19-f			3B 3B 3B 3B 3B 1.5B				1	5.00	5.00					1	BLACK/WHITE

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCCESSED	SEL
NEW DESIGN	MSH
SHEET CHECKED	WAC
AS BUILT DETAILS	

DATE 10/05
DATE 12/05
DATE 05/06
DATE

GENERAL NOTES

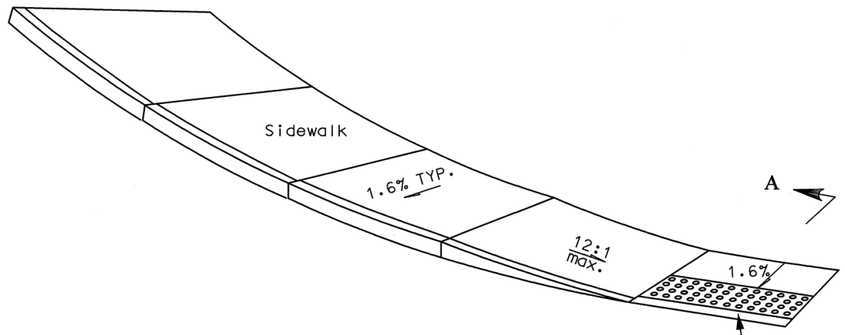
1. REFER TO THE 2006 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PUBLISHED BY THE NHDOT.
2. NOTE NEW REFLECTIVITY REQUIREMENTS IN THE 2006 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 718 PUBLISHED BY THE NHDOT.
3. REFER TO THE LATEST EDITION OF THE STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AS PUBLISHED BY THE NHDOT FOR EXACT DETAILS OF PERMANENT SIGNING STANDARDS AND NHDOT SPECIFIC SIGNS.
4. REFER TO THE LATEST EDITION OF THE STANDARD HIGHWAY SIGNS MANUAL AS PUBLISHED BY THE USDOT-FHWA FOR EXACT DETAILS OF BORDERS, ETC.

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DESIGN

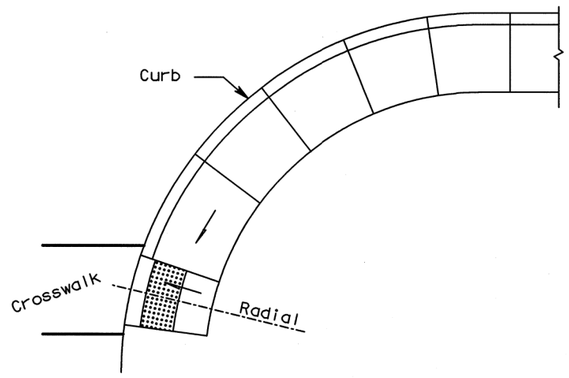
SIGN TEXT LAYOUT

EXCEL FILE NAME	STATE PROJECT NO.	FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
S:\ProjectDevelopment\Forms\Project\sgntxt-Lxls	14287		9	43

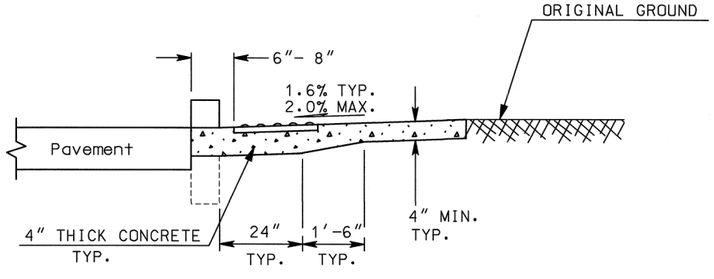


CURB RAMP DETAIL

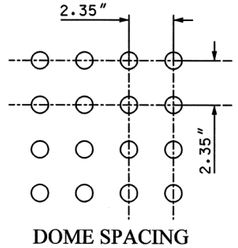
DETECTABLE WARNINGS MUST BE LOCATED 6"-8" FROM CURB LINE OR OTHER POTENTIAL HAZARD.



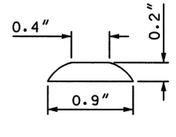
CORNER PARALLEL RAMP DETAIL



SECTION A-A



DOME SPACING (NOMINAL)



DOME SECTION (NOMINAL)

THE ORDER OF PREFERENCE FOR LOCATION OF CORNER RAMPS:

1. TWO SEPARATE RAMPS LOCATED ON TANGENT SIDEWALK AREA IMMEDIATELY OUTSIDE OF CORNER RADIUS.
2. TWO SEPARATE RAMPS SEPARATED BY 5' AS SHOWN ABOVE.
3. SINGLE RAMP SERVING TWO CROSSWALKS. (NOT PERMITTED IN NEW CONSTRUCTION)

GENERAL NOTES

1. THE MAXIMUM RUNNING SLOPE OF ANY SIDEWALK CURB RAMP IS 12:1. THE MAXIMUM CROSS SLOPE IS 2%. THE SLOPE OF THE LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. ROADWAY SHOULDER SLOPES ADJOINING SIDEWALK CURB RAMPS SHALL BE A MAXIMUM OF 5% (FULL WIDTH) FOR A DISTANCE OF 2 FT. FROM THE ROADWAY CURBLINE.
3. INTERCEPT DRAINAGE ALONG THE CURB IN ADVANCE OF SIDEWALK CURB RAMPS OR LANDINGS. CATCH BASINS, MANHOLES, ETC. SHALL NOT BE LOCATED IN, OR AT THE BASE OF, SIDEWALK CURB RAMPS OR LANDINGS.
4. THE BOTTOM OF THE SIDEWALK CURB RAMP OR LANDING, EXCLUSIVE OF THE FLARED SIDES, SHALL BE WHOLLY CONTAINED WITHIN THE CROSSWALK MARKINGS.
5. THE SURFACE OF A PERPENDICULAR SIDEWALK CURB RAMP OR THE LANDING OF A PARALLEL SIDEWALK CURB RAMP SHALL CONTRAST VISUALLY WITH THE ADJOINING SIDEWALK SURFACE, EITHER ASPHALT/LIGHT-COLORED CONCRETE OR LIGHT-COLORED CONCRETE/DARK-STAINED CONCRETE. THE CONCRETE SURFACE SHALL BE SLIP RESISTANT.
6. INSTALL DETECTABLE WARNINGS (TRUNCATED DOMES) AT THE LOCATIONS SHOWN. DETECTABLE WARNINGS SHALL MEASURE 24" IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE SIDEWALK RAMP, AND THE EDGE NEAREST THE CURBLINE SHALL BE LOCATED 6"-8" FROM THE FACE OF CURBLINE.

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	XX	DATE XX
NEW DESIGN	DTB	DATE 4/07
SHEET CHECKED	WAC	DATE 5/07
AS BUILT DETAILS		DATE

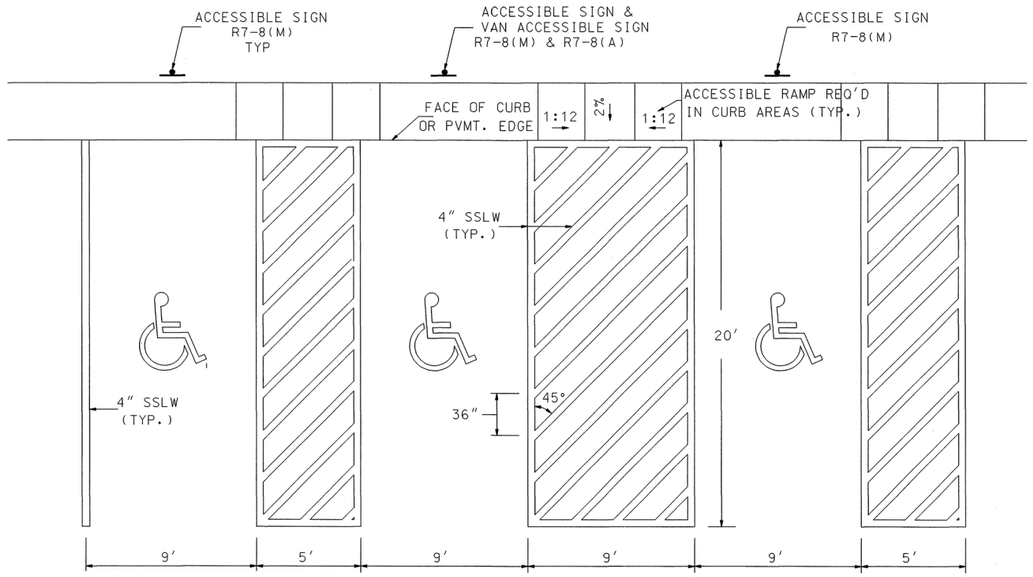
STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

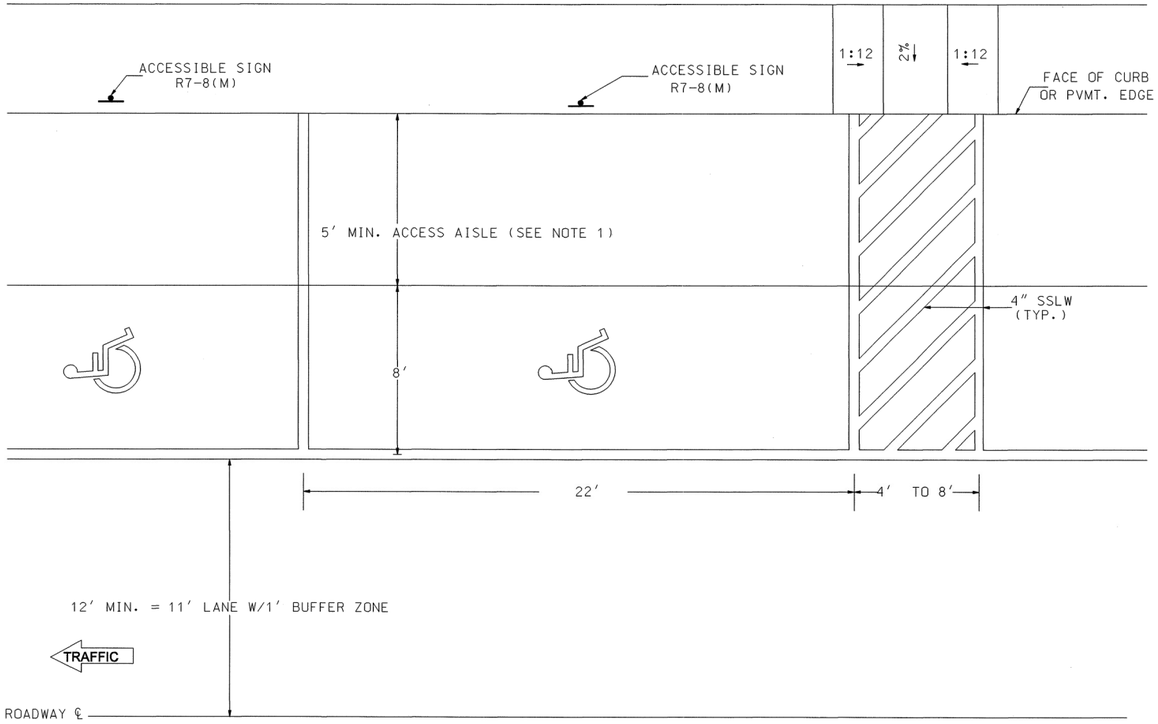
SIDEWALK CURB RAMPS WITH DETECTABLE WARININGS

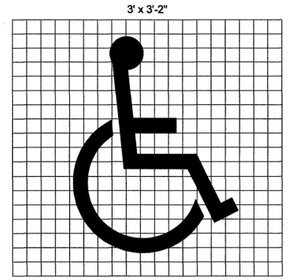
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287swalkramp	14287	10	43

PERPENDICULAR ACCESSIBLE PARKING



PARALLEL ACCESSIBLE PARKING





INTERNATIONAL SYMBOL OF ACCESSIBILITY

PAY QUANTITY FOR EACH ACCESSIBLE PAVEMENT MARKING SYMBOL 2.58ft.^{2}

GENERAL NOTES

1. VAN ACCESS AISLE SHALL BE A MINIMUM 8' WIDE.

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	STATION	DESCRIPTION

NOTEBOOKS

BOOK PAGE
BOOK PAGE
BOOK PAGE

EXISTING DETAIL DATE
PROPOSED DESIGN DATE
SHEET CHECKED DATE
AS BUILT DETAILS DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ∘ BUREAU HIGHWAY DESIGN

ACCESSIBLE PARKING DETAIL

REVISION DATE	DRAWING NAME	SHEET SCALE	FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
7-13-01	PM-9	N.T.S.	-	14287	11	43

NOTES:

1. INSTALL TEMPORARY SAFETY FENCE (ITEM 670.95) ALONG TOE OF SLOPE OR LIMIT OF WORK ADJACENT TO 8' TALL WOODEN FENCE. SEE P.O.W.

LEGEND

HIGH STRENGTH BITUMINOUS PAVEMENT SEE TYPICAL FOR BASE COURSES.

INDIAN BROOK DRIVE SIGNALS AND RECONSTRUCTION BY OTHERS

Members Way

Indian Brook Drive

Liberty Way

Sixth Street

Glenwood Avenue

Alder Lane

2" BIT. SIDEWALK

6" CONC. PAD

6" CONC. ISLAND (TYP)

69' x 77'

SEE BUILDING PLANS

CONSTRUCT SPILLWAY TOP ELEV. = 191.25 @ STA. 407+25 LT. SEE CROSS-SECTIONS

LIMIT OF WORK NH DOT PROJECT #14287

TOP OF BANK

LIMIT OF CLEARING

LIMIT OF DRAINAGE WORK (TYP)

CLEAR TO SLOPE LINE UNLESS OTHERWISE SHOWN ON PLAN

SEE NOTE 1

SAVE IF POSSIBLE

APPROX. EXIST. ROW

ROW

1 LIBERTY MUTUAL INSURANCE CO

2 WONG MO Y

3 BUCABREY, INC.

4 EDGAR SUSAN D. & PAUL T.

5 GAUTHIER GEORGE I. & MARY

6 STATE OF NEW HAMPSHIRE formerly CITY OF DOVER

7 NORTHEAST CREDIT UNION

8 ELLIS, JAMES F. & MOLLY B.

9 COLLINS, MARK & SUSAN

10 FUCCI, THOMAS & GEORGIANA

11 WHITTLE FLOYD & WENDY

12 DOMPKOUSKI, RICHARD & SUSANNE

GRID

50 0 50 100

SCALE IN FEET

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION

NUMBER	DATE

		DATE
SDR PROCESSED	SEL	10/05
NEW DESIGN	MSH	12/05
SHEET CHECKED	WAC	05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

GENERAL PLANS

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287G01	14287	12	43

1
STA. 400+64 RT. 24.3
REMOVE END SECTION AS REQUIRED (SUBSID.)
CONSTRUCT SPECIAL INLET STRUCTURE #1 (SEE DETAIL SHT.)
CONNECT TO EXISTING PIPE (SUBSID.)

2
STA 402+29.6 LT. 134.1
REMOVE END SECTION AS REQUIRED (SUBSID.)
CONSTRUCT SPECIAL INLET STRUCTURE #2 (SEE DETAIL SHT.)
CONNECT TO EXISTING PIPE (SUBSID.)

3
STA. 402+21.8 LT. 80.5 - 402+31 LT. 70.4
CONST. 13.7' x 12" PLASTIC PIPE (SI.)
CONST. 12" STEEL END SECTION @ +21.8 (INVERT @ 189.00)
CONST. CB-B @ +31.0 (SLAB TOP)
12" INV. OUT = 189.20
12" INV. IN = 189.50
GRATE ELEV. = 192.0

4
STA. 402+31.0 LT 70.4 - 401+96.2 LT. 40.2
CONST. 42.1' x 12" PLASTIC PIPE (SI.)
CONST. CB-B @ +96.2 (SLAB TOP)
12" INV. OUT = 189.75
GRATE ELEV. = 192.2

5
STA. 407+06.5 LT. 267.0 - 406+53.5 LT. 251.5
CONST. 51.3' x 15" PLASTIC PIPE (SI.)
CONST. CB-B @ +53.5 (SLAB TOP)
15" INV. OUT = 187.40
12" INV. IN (WEST) = 187.40
12" INV. IN (EAST) = 187.75
GRATE ELEV. = 191.5

6
STA. 406+53.5 LT. 251.5- 406+84.2 LT. 198.5
CONST. 57.2' x 12" PLASTIC PIPE (SI.)
CONST. CB-B @ +84.2 (SLAB TOP)
12" INV. OUT = 189.00
GRATE ELEV. = 192.0

7
STA. 406+53.5 LT. 251.5 - 406+08.3 LT. 252.2
CONST. 41.1' x 12" PLASTIC PIPE (SI.)
CONST. CB-B @ +08.3 (SLAB TOP)
12" INV. OUT = 187.60
6" U.D. IN = 188.50
GRATE ELEV. = 191.5

8
STA. 407+70.7 LT. 267.2 - 407+06.5 LT. 267.0
CONST. 60.3'x15" PLASTIC PIPE (SI)
CONST. CB-B @ +06.5 (SLAB TOP)
15" INV. IN = 187.10
15" INV. OUT = 187.10
GRATE ELEV. = 190.8
CONNECT TO EXIST. CB @ 407+70.7 (SUBSID.)
15" INV. IN (NEW) = 186.80
15" INV. OUT (EXISTING) = 186.7 (APPROX.)

U1
STA. 406+08.3 LT. 252.2 - 405+85.8 LT. 165.3
CONST. 93.9' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ +85.8

U2
STA. 405+85.8 LT. 165.3 - 404+82 LT. 165.3
CONST. 103.7' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ +82

U3
STA. 404+82 LT. 165.3 - 403+90 LT 74.2
CONST 158.0' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ +90

U4
STA. 403+90 LT. 74.2 - 402+35.8 LT. 74.2
CONST. 154.2' x 6" PERF. POLY. PIPE UNDERDRAIN*
CONST. FLUSHING BASIN @ 35.8

* CONSTRUCT UNDERDRAIN INVERTS AT ELEVATION 188.50
OUTLET INTO CB @ STA. 406+08.3 LT. SEE D.N. #7

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

DRAINAGE NOTES

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287D01	14287	13	43

LOCATIONS FOR EXIT 9 PARK & RIDE SIGNS ON SPAULDING TURNPIKE

D4-2(M) NORTHBOUND LANE (INSTALLED ON RIGHT)
575 FT NORTH FROM BRIDGE 13
915 FT SOUTH FROM EXIT 9 ACTION SIGN

D4-2(M) SOUTHBOUND LANE (INSTALLED ON RIGHT)
780 FT NORTH FROM BRIDGE 14
800 FT SOUTH FROM "STRAFFORD COUNTY COMPLEX EXIT 9" SIGN

D4-2L(NH) EXIT 9 NORTHBOUND OFF-RAMP (INSTALLED ON LEFT)
115 FT NORTH FROM "EXIT 25 MPH" SIGN
115 FT SOUTH FROM LANE USE SIGN

D4-2L(NH) EXIT 9 SOUTHBOUND OFF-RAMP (INSTALLED ON LEFT)
200 FT SOUTH FROM INTERSECTION INDIAN BROOK DRIVE

INDIAN BROOK DRIVE SIGNALS AND RECONSTRUCTION BY OTHERS

Members Way

Indian Brook Drive

R3-8(1335)

D4-2L (NH) SP-01

LIMIT OF WORK NH DOT PROJECT #14287

SP-02

3'-6"

37'-0"

18" SSL W

4" SSL W

WHITE TYP

4" DSL Y

SP-07

12'-0"

SP-05

D4-2R (NH) SP-01

RS-8 (134)

SP-04

26'-0" TYP

4" SSL W

6" SSL W

8'-0"

R3-8 (25)

4" SSL W

WHITE TYP
SEE ACCESSIBLE PARKING DETAIL

SP-03

R7-8(M) R7-8(a)

4" SSL W

SP-06

69' x 77'

BUILDING 39'-4" x 50'-0"

34'-0"

6" CONC. PAD

6" SSL W

R7-8(M) R7-8(a)

4" SSL W

6" CONC. ISLAND (TYP)

MC3M

400 401 402 403 404 405 406 407 408

9'-3"

4" SSL W

9'-0"x18'-6" ALL SPACES IN ALL ROWS UNLESS OTHERWISE NOTED

9'-0"x18'-0" ALL SPACES THIS ROW

WHITE TYP
SEE ACCESSIBLE PARKING DETAIL

9'-0"x18'-0" ALL SPACES THIS ROW

Alder Lane

Liberty Way

Sixth Street

Glenwood Avenue

gross 6% grade

PAVEMENT MARKING LOCATIONS		
REFERENCE	STATION	OFFSET
A	402+38.3	9.9 LT
B	404+27.3	9.9 LT
C	402+38.3	53.1 RT
D	404+27.3	53.1 RT
E	402+38.3	116.1 RT
F	404+27.3	116.1 RT
G	404+77.6	18.4 LT
H	404+77.6	134.6 RT
I	405+40.6	18.4 LT
J	405+40.6	134.6 RT
K	405+98.4	12.0 LT
L	407+51.4	12.0 LT
M	406+17.7	75.0 LT
N	407+79.7	75.0 LT
O	406+37.4	138.0 LT
P	408+26.4	138.0 LT

GRID

50 0 50 100
SCALE IN FEET

GENERAL NOTES

1. ALL PAVEMENT MARKINGS SHALL BE RETROFLECTIVE THERMOPLASTIC.

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCCESSED SEL DATE 10/05
NEW DESIGN MSH DATE 12/05
SHEET CHECKED WAC DATE 05/06
AS BUILT DETAILS DATE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

PAVEMENT MARKING AND PERMANENT SIGNING PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287P01	14287	14	43

REVISIONS AFTER PROPOSAL

STATION	STATION	DESCRIPTION	NUMBER	DATE

SDR PROCCESSED SEL DATE 10/05
NEW DESIGN MSH DATE 12/05
SHEET CHECKED WAC DATE 05/06
AS BUILT DETAILS DATE

LEGEND

HIGH STRENGTH BITUMINOUS PAVEMENT
SEE TYPICAL FOR BASE COURSES.

INDIAN BROOK DRIVE SIGNALS AND RECONSTRUCTION BY OTHERS

Members Way
asph drive
PT 100+30.77

Indian Brook Drive

LIMIT OF WORK
NH DOT PROJECT #14287

2" BIT. SIDEWALK
192.00
192.50
193.50
192.25
5'-0"
6" CONC. PAD
6" CONC. ISLAND (TYP)
SEE BUILDING PLANS
69' x 77'
BUILDING 39'-4" x 69'-0"
193.0
194.0
195.0
196.0
194.50
196.50
192.55
20'R
200' R
4'R
19'R

STA 400+00.00
N=260595.094000
E=1187789.816000
MC3M
N 55°-29'-12.1" E

STA 408+70.04
N=261088.059
E=1188506.728
MC3M

PT 101+46.07
PC 209+96.15
PT 69+96.05

asphalt cul-de-sac
gravel dr
asph dr
gravel dr

Alder Lane
Liberty Way
Sixth Street
Glenwood Avenue
dr
asph

CURBING NOTES

1. SEE CURBING SUMMARY FOR LOCATION OF CURBS.
2. STATION/OFFSET AND RADII REFER TO THE TRAVELWAY SIDE OF THE CURB.

GRID

50 0 50 100
SCALE IN FEET

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ∘ BUREAU OF HIGHWAY DESIGN

CURBING AND PAVEMENT LAYOUT PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287C01	14287	15	43

REVISIONS AFTER PROPOSAL	STATION	NUMBER	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 05/06
AS BUILT DETAILS		DATE

Indian Brook Drive

Members Way

Alder Lane

Sixth Street

Glenwood Avenue

POWER SOURCE

15 - DARK AMERICAN ARBORVITAE 7' B&B SPACED 5' ON CENTER PLANTED 8' FROM EDGE OF PAD

5-GREEN MTN. SUGAR MAPLE
5-RED OAK
2.5" CAL. B&B
ALTERNATE MAPLE/OAK APPROX. 15' APART

10-WHITE SPRUCE
7' B&B APPROX. 15' APART
(SEE PLANTING DETAIL 1)

9-DARK AMERICAN ARBORVITAE
7' B&B APPROX. 15' APART

41-DARK AMERICAN ARBORVITAE 7' B&B
APPROX. 20' APART; (SEE PLANTING DETAIL 2)

8' WOODEN FENCE
SEE SHT 16 FOR LAYOUT

69' x 77'
BUILDING 39'-4" x 66'-0"

SEPTIC TANK
PUMP CHAMBER

GRID

50 0 50 100
SCALE IN FEET

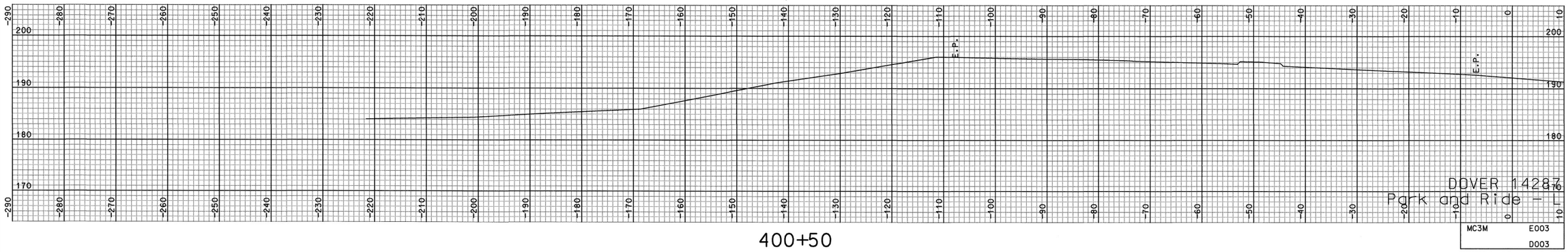
GENERAL NOTES

1. REFER TO LIGHTING SUMMARY FOR ITEMS AND LOCATIONS.

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ◦ BUREAU OF HIGHWAY DESIGN

FINAL LIGHTING, FENCE & LANDSCAPING PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287L01	14287	16	43



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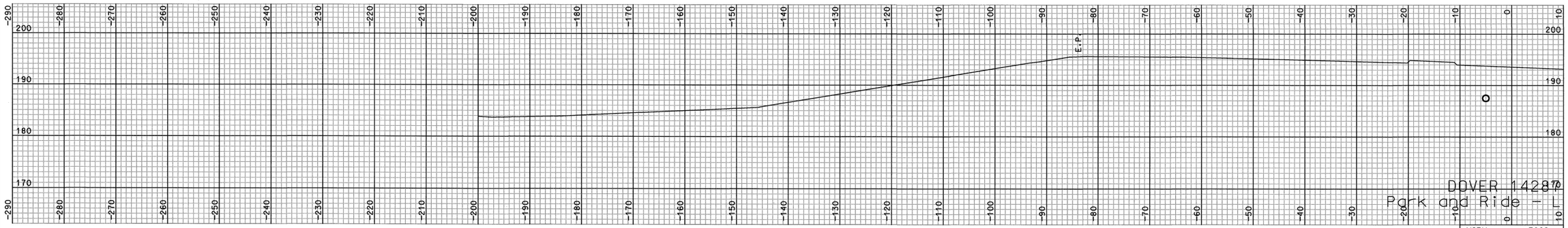

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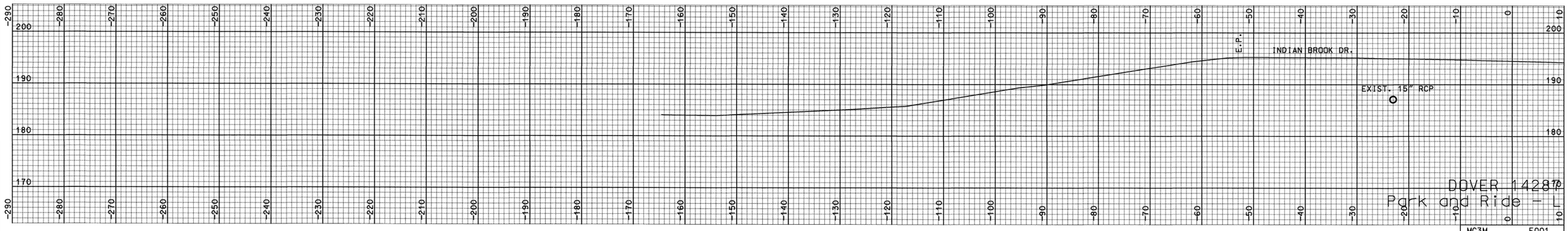


400+00

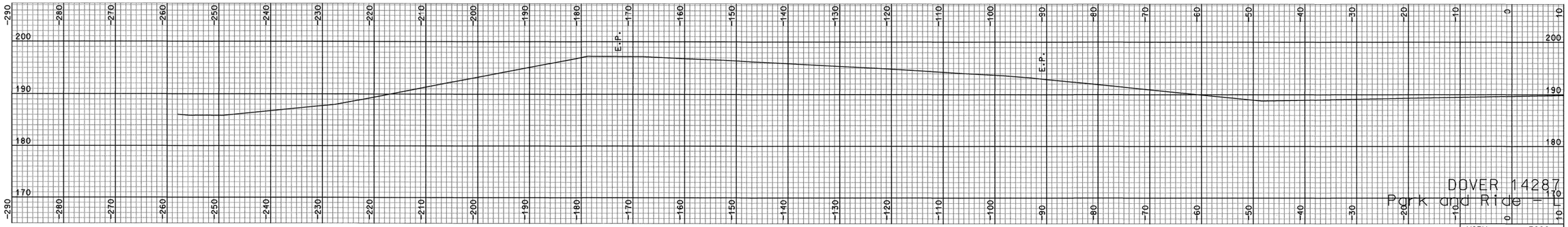
REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS
COMMON EXCAV. – C.Y. ROCK EXCAV. – C.Y.
FILL – C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	17	43



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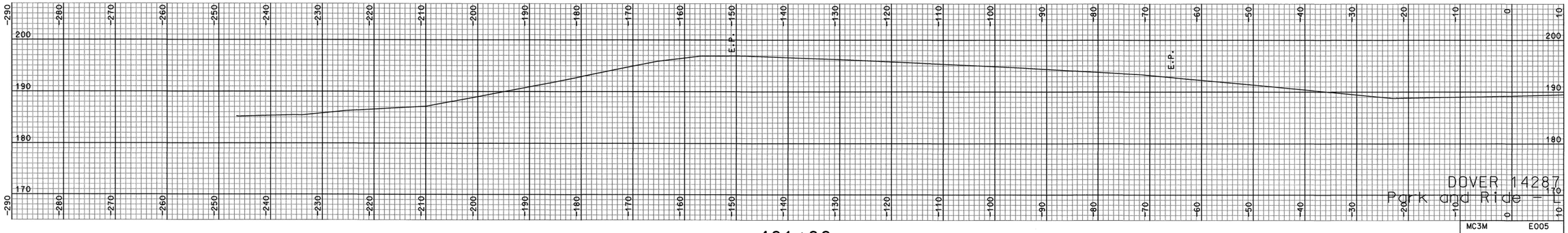
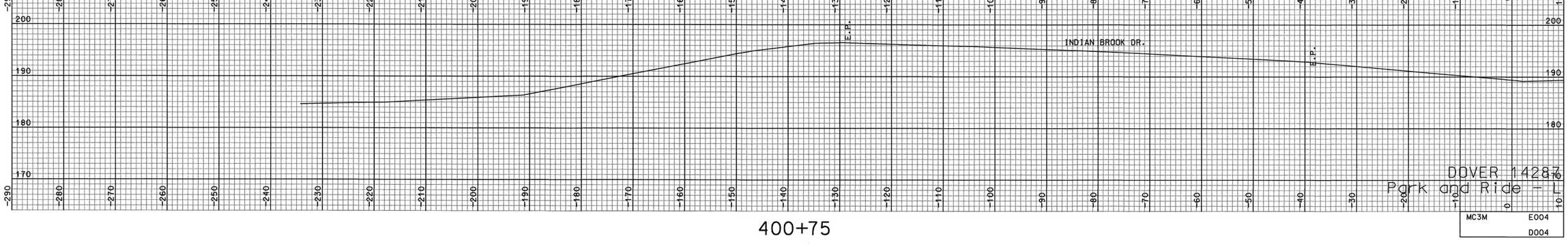


401+00



400+75

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

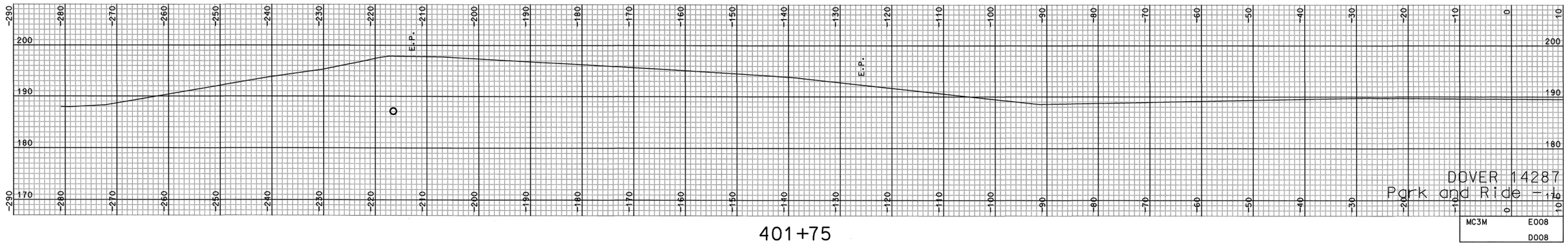
COMMON EXCAV.	– C.Y.	ROCK EXCAV.	– C.Y.
FILL	– C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsl	14287	18	43

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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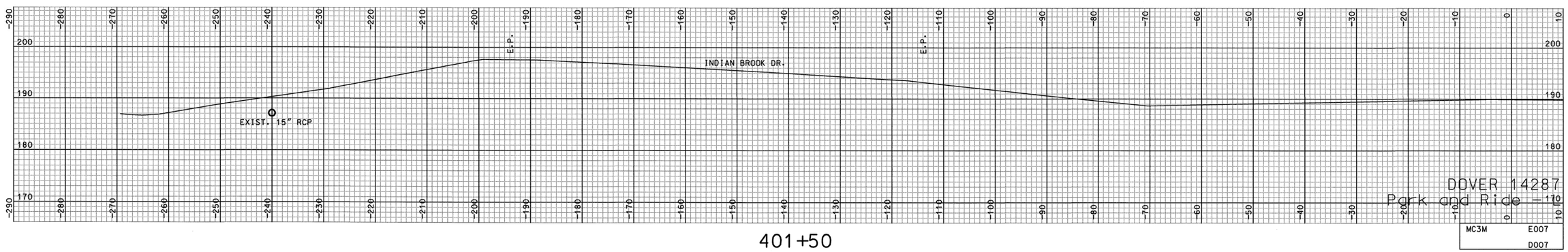
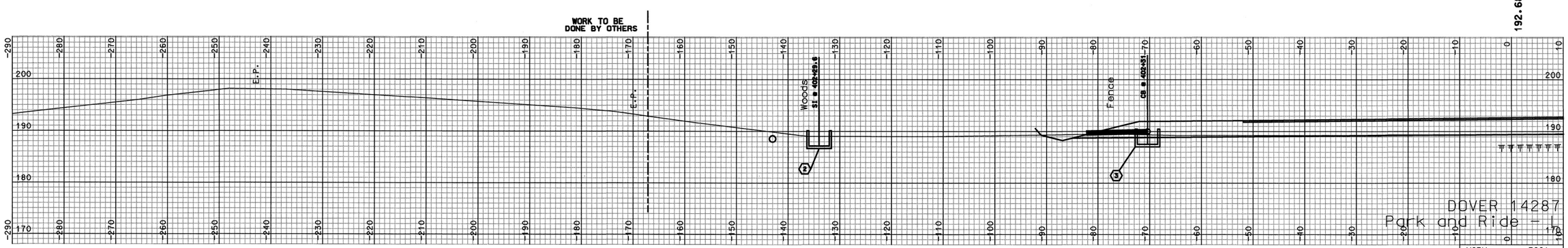


401+50

SHEET TOTALS			
COMMON EXCAV. – C.Y.	ROCK EXCAV. – C.Y.		
FILL – C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	19	43



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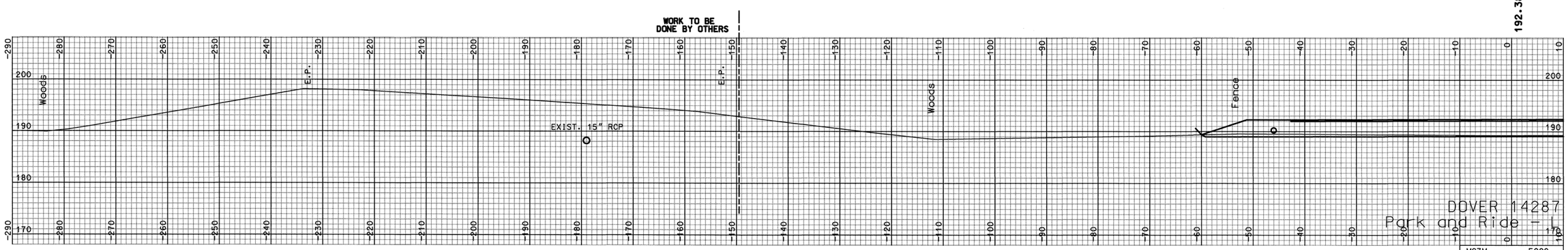

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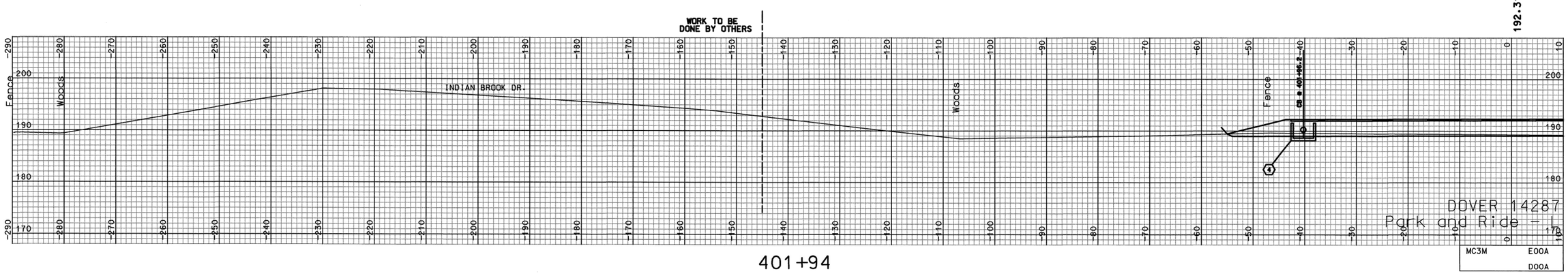


401+94

REVISIONS AFTER PROPOSAL

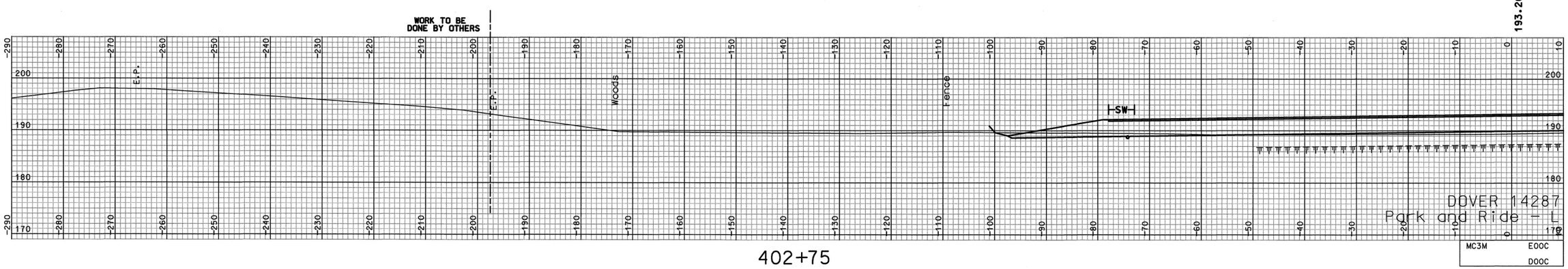
NUMBER	DATE	STATION	DESCRIPTION
		STATION	

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	63.79 C.Y.	ROCK EXCAV.	- C.Y.
FILL	1.52 C.Y.	MUCK EXCAV.	- C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsl	14287	20	43



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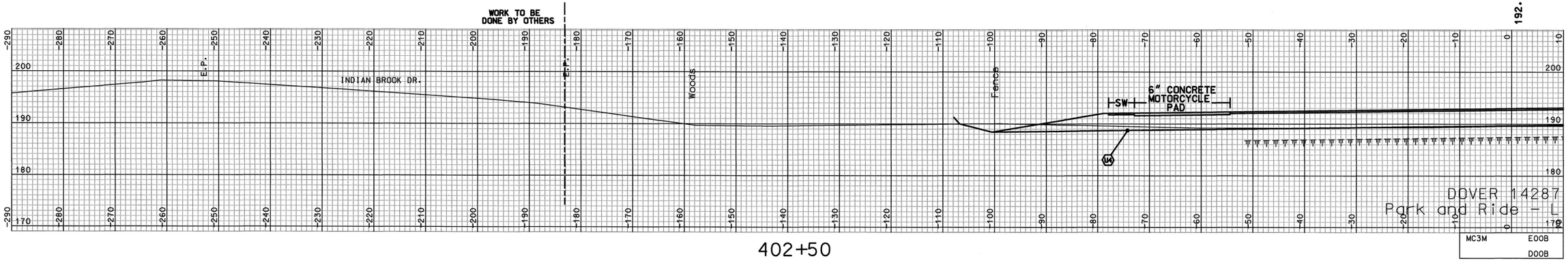


402+50

REVISIONS AFTER PROPOSAL

NUMBER	DATE	DESCRIPTION	STATION	STATION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

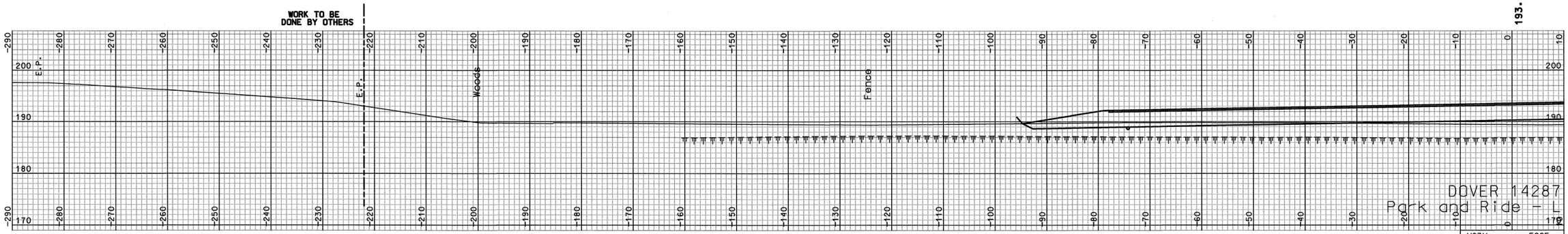
COMMON EXCAV.	54.99 C.Y.	ROCK EXCAV.	– C.Y.
FILL	24.14 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsl	14287	21	43

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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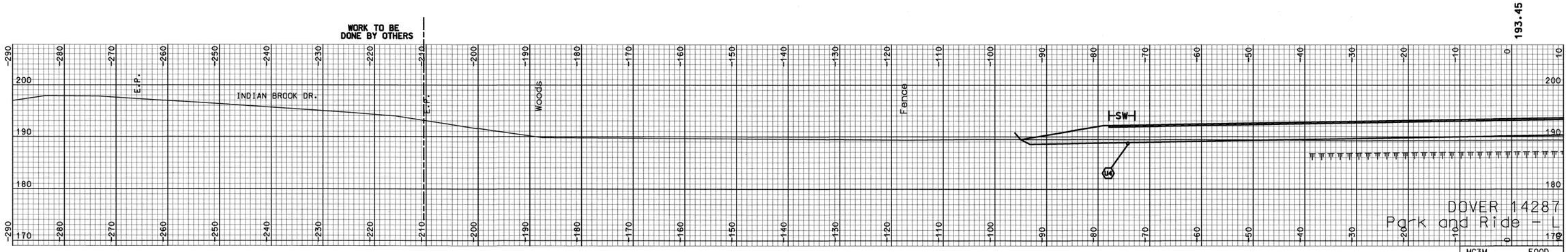


403+00

SHEET TOTALS

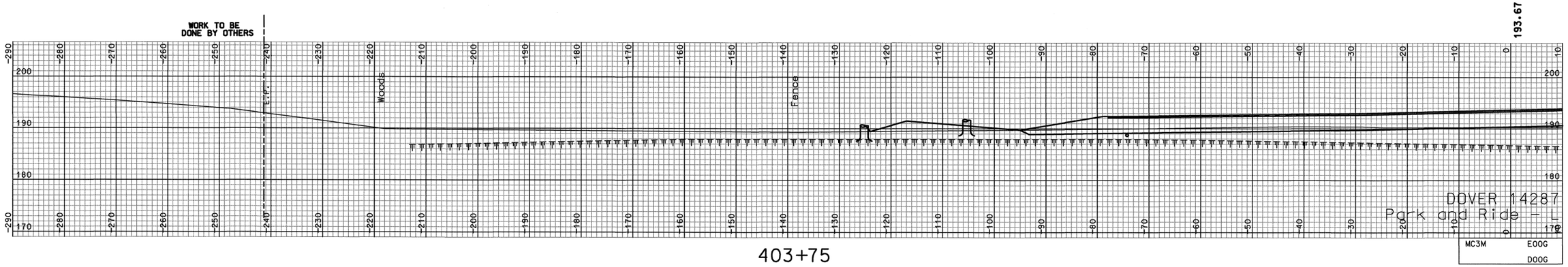
COMMON EXCAV.	68.85 C.Y.	ROCK EXCAV.	– C.Y.
FILL	24.41 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	22	43

REVISIONS AFTER PROPOSAL

NUMBER	DATE	DESCRIPTION	STATION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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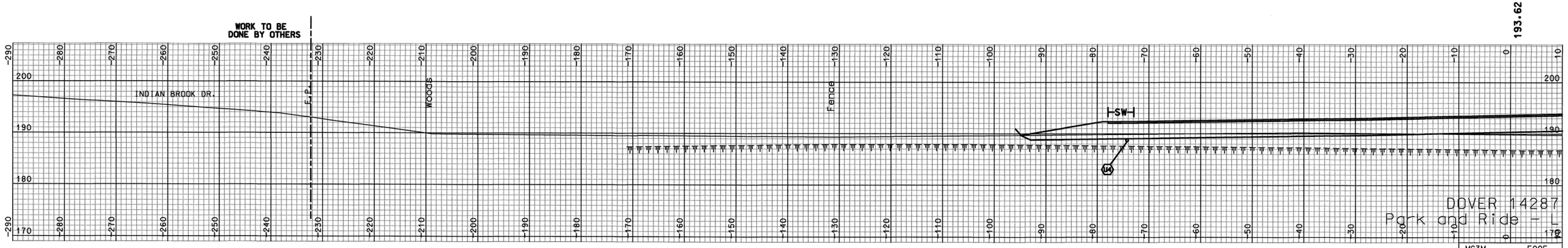


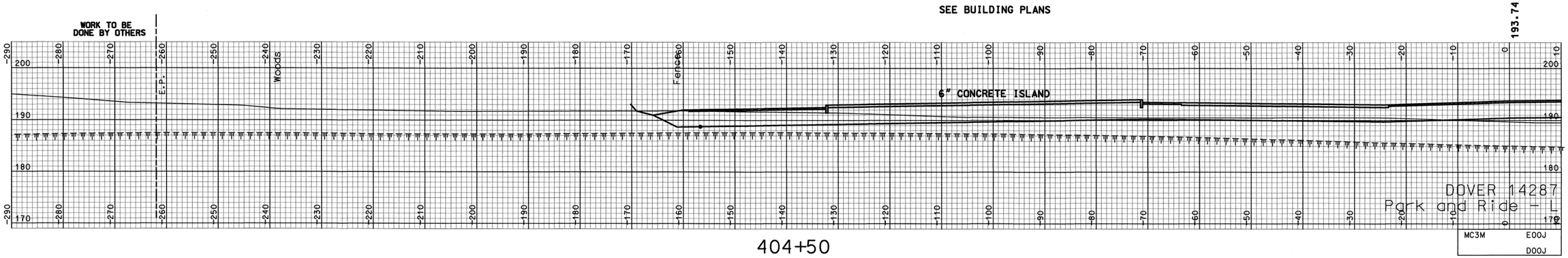
403+50

SHEET TOTALS			
COMMON EXCAV. 131.27 C.Y.	ROCK EXCAV. – C.Y.		
FILL 30.71 C.Y.	MUCK EXCAV. – C.Y.		
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsl	14287	23	43

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



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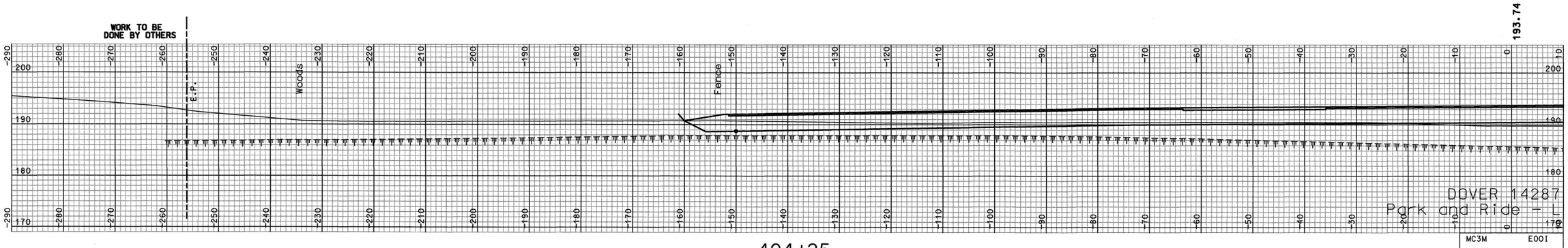

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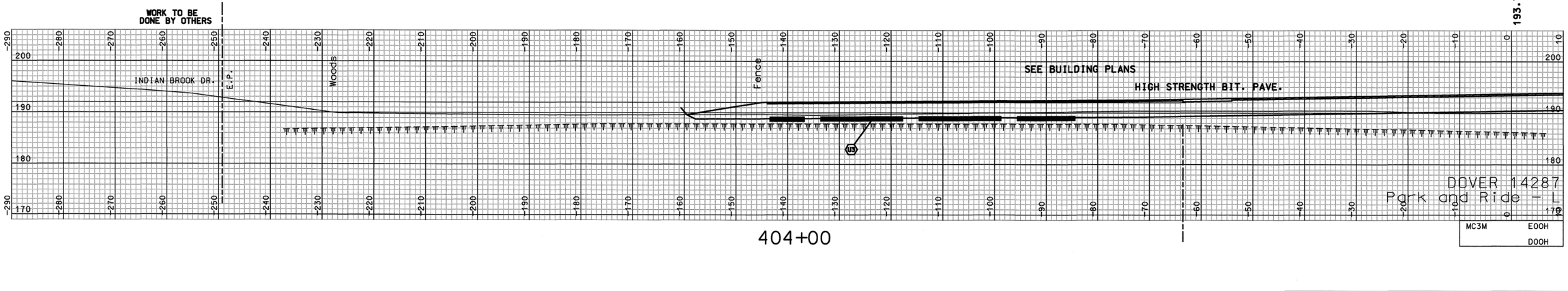
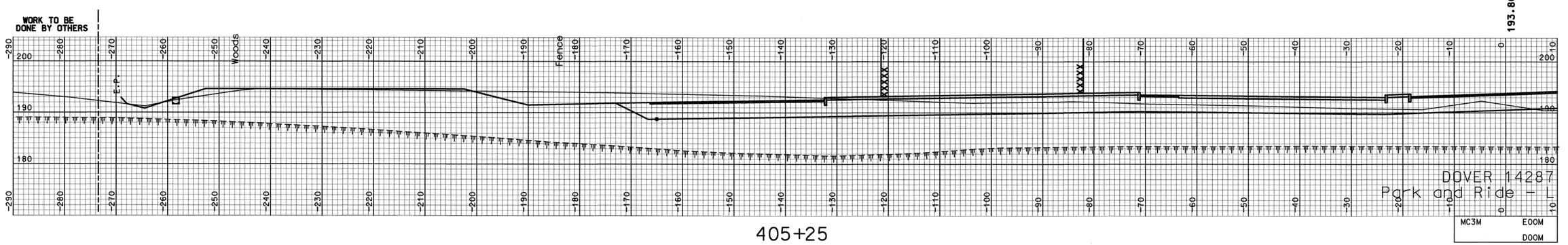


404+00

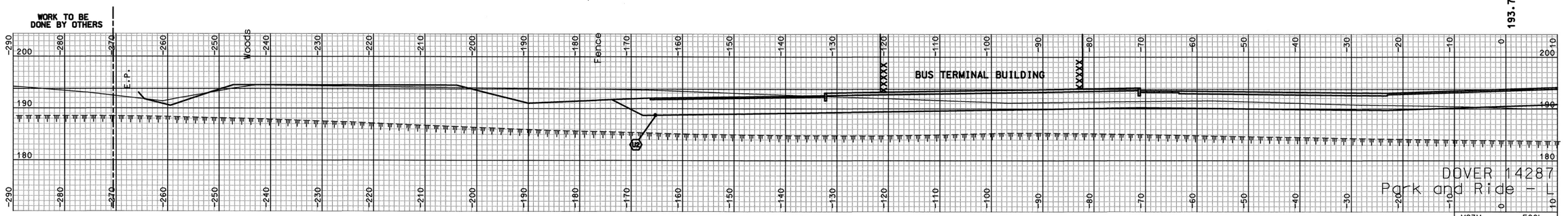
SHEET TOTALS

COMMON EXCAV.	496.88 C.Y.	ROCK EXCAV.	- C.Y.
FILL	35.52 C.Y.	MUCK EXCAV.	- C.Y.

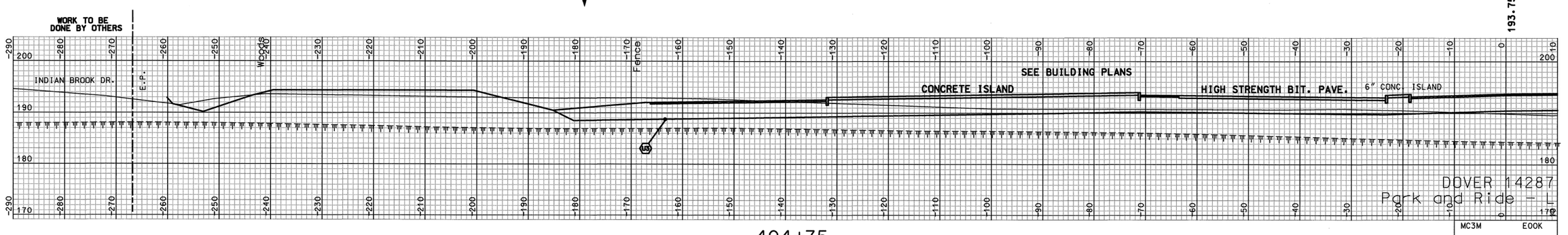
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsl	14287	24	43



405+25



405+00



404+75

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

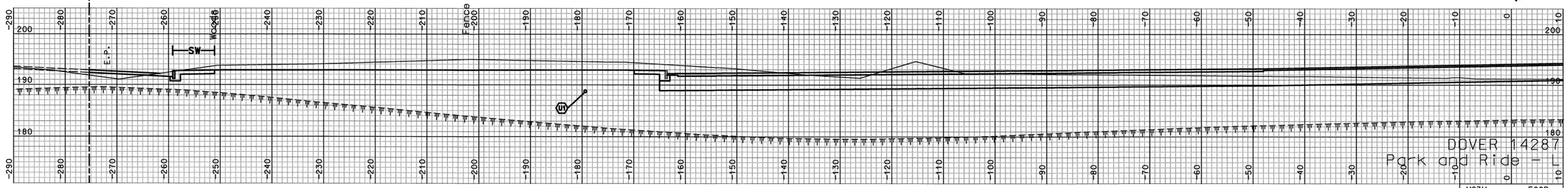
SHEET TOTALS

COMMON EXCAV.	1298.56 C.Y.	ROCK EXCAV.	– C.Y.
FILL	64.75 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsl	14287	25	43

LIMIT OF WORK

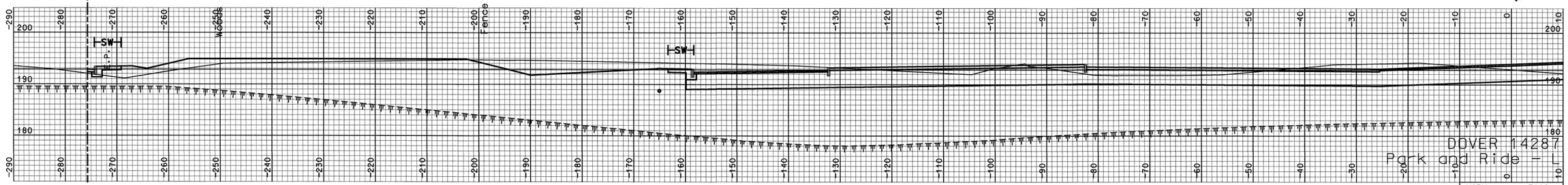
194.04



406+00

DRIVE MATCH

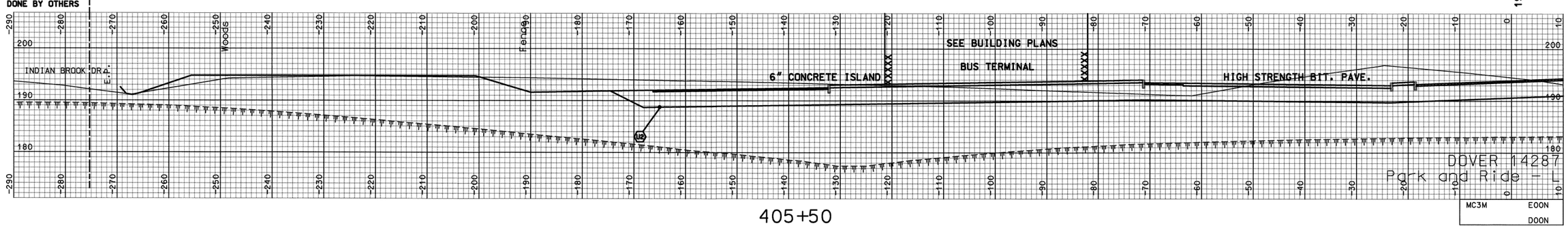
193.95



405+75

WORK TO BE DONE BY OTHERS

193.90



405+50

REVISIONS AFTER PROPOSAL

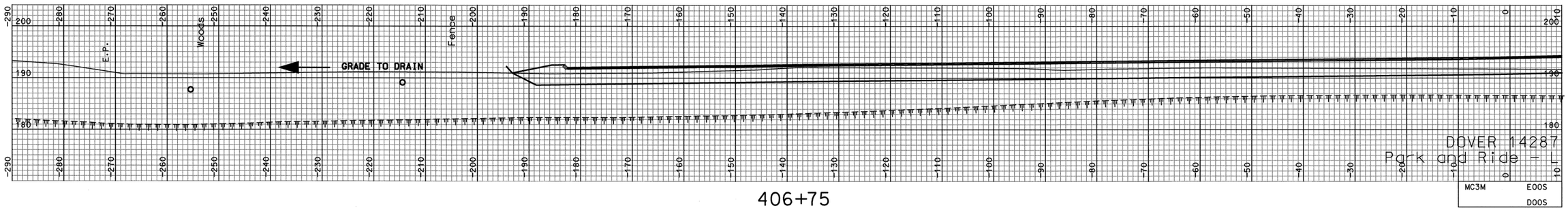
NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

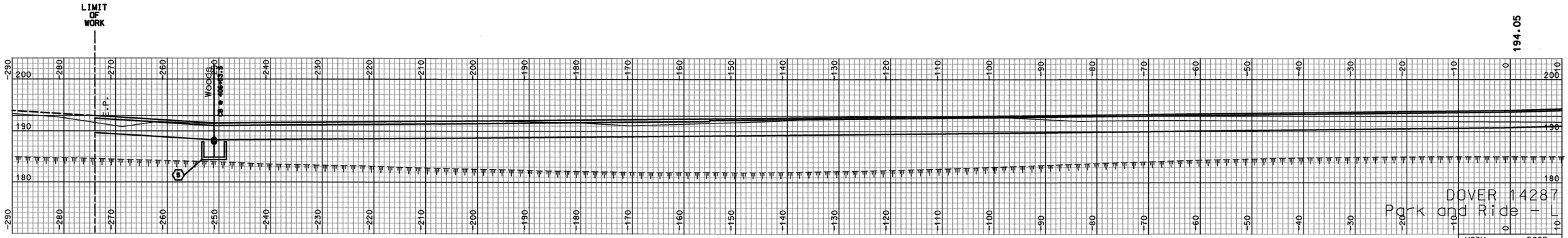
SHEET TOTALS

COMMON EXCAV.	1827.54 C.Y.	ROCK EXCAV.	– C.Y.
FILL	66.86 C.Y.	MUCK EXCAV.	– C.Y.

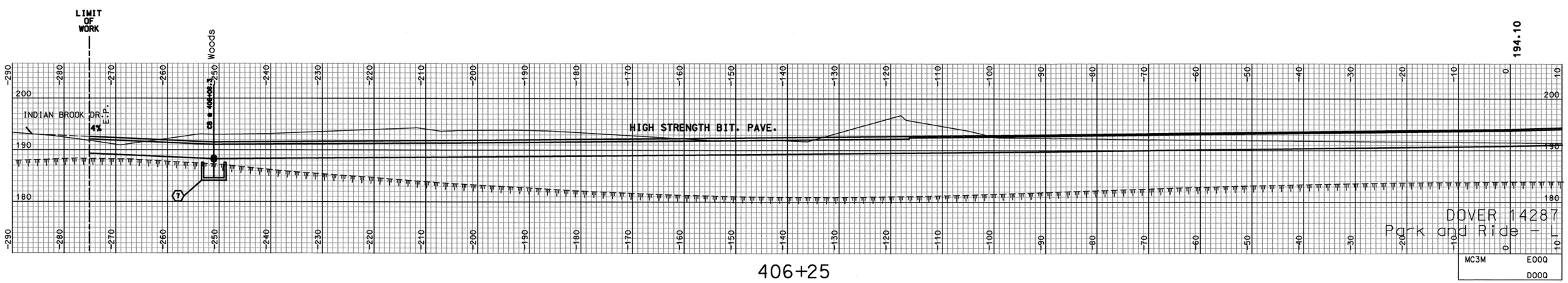
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsl	14287	26	43



406+75



406+50



406+25

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

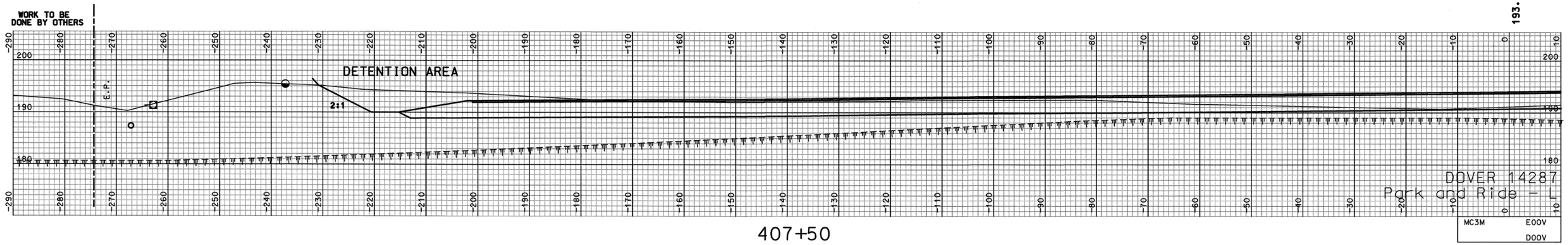
SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	WSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 1596.75 C.Y. ROCK EXCAV. – C.Y.

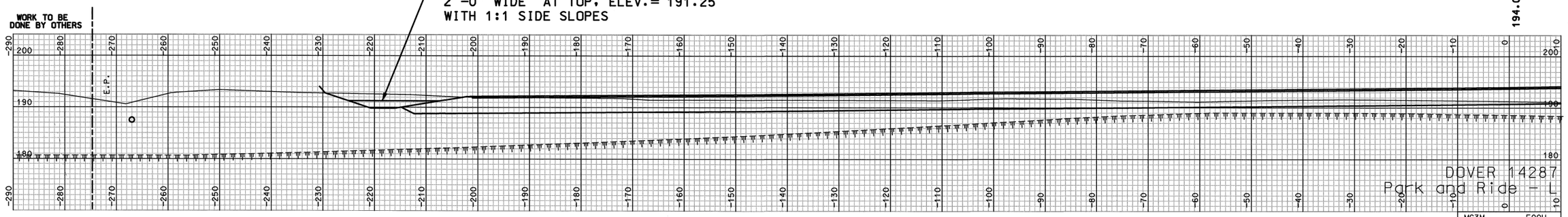
FILL 0.00 C.Y. MUCK EXCAV. – C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsl	14287	27	43



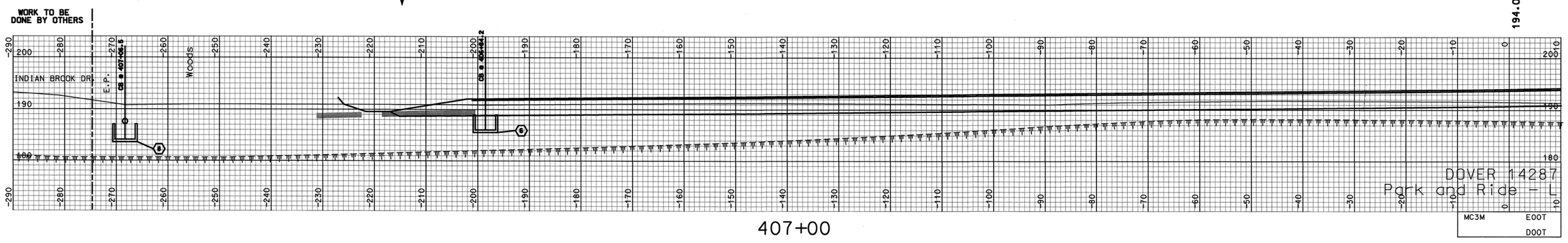
407+50

CONSTRUCT EARTH SPILLWAY
2'-0" WIDE AT TOP, ELEV.= 191.25
WITH 1:1 SIDE SLOPES



407+25

GRADE TO DRAIN



407+00

REVISIONS AFTER PROPOSAL

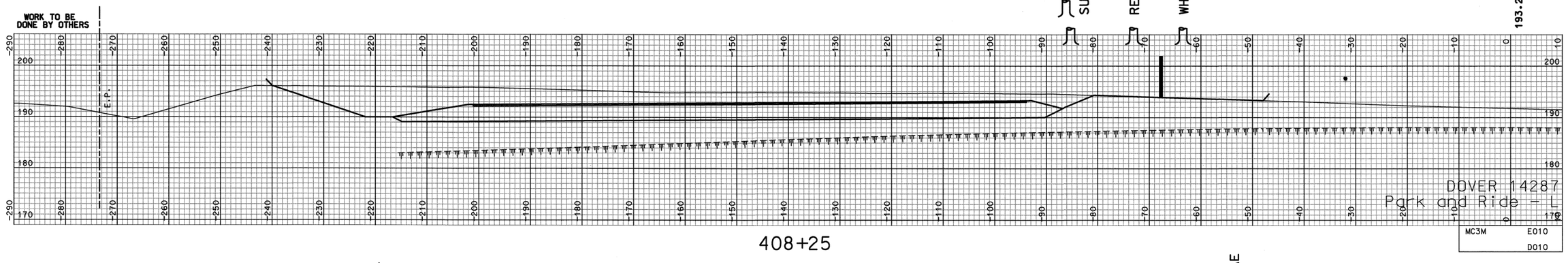
NUMBER	DESCRIPTION	STATION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	1444.37 C.Y.	ROCK EXCAV.	–	C.Y.
FILL	0.00 C.Y.	MUCK EXCAV.	–	C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsl	14287	28	43



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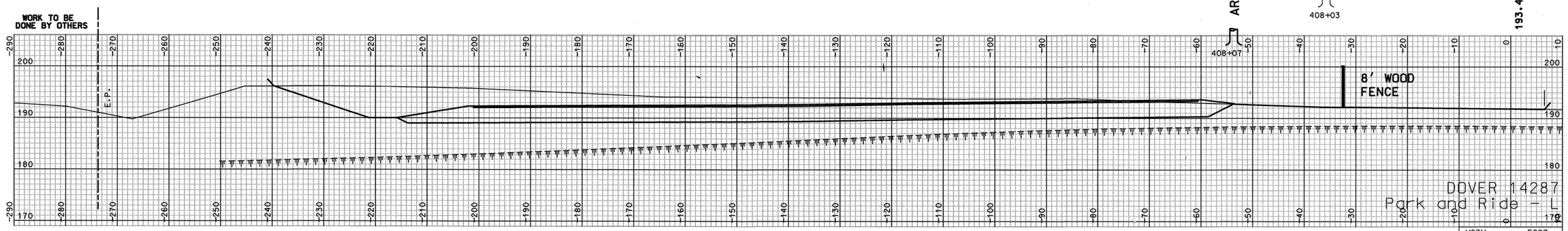
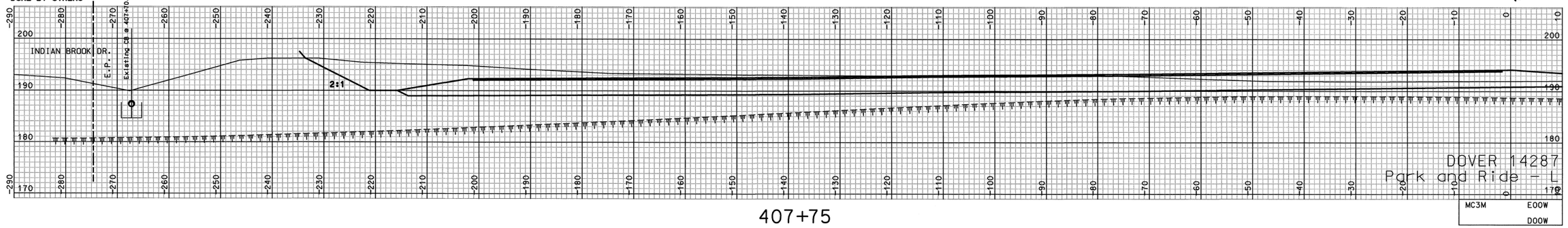


408+00

DETENTION AREA



407+75

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	STATION	DATE

		DATE
SDR PROCESSED	SEL	10/05
NEW DESIGN	MSH	12/05
SHEET CHECKED	WAC	06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 2024.29 C.Y. ROCK EXCAV. - C.Y.

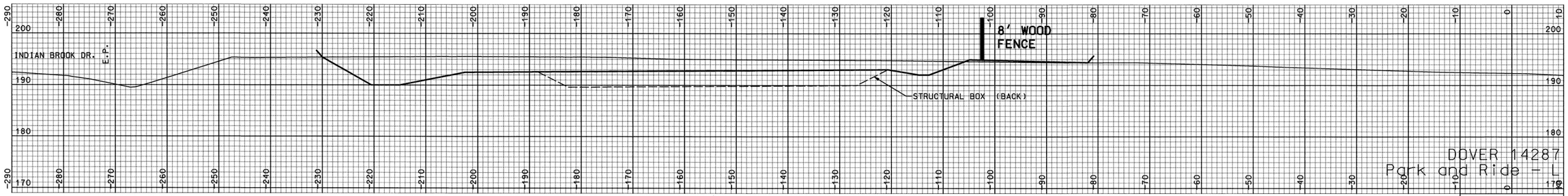
FILL 2.03 C.Y. MUCK EXCAV. - C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsl	14287	29	43

REVISIONS AFTER PROPOSAL

STATION	STATION	DESCRIPTION	NUMBER	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE



408+50

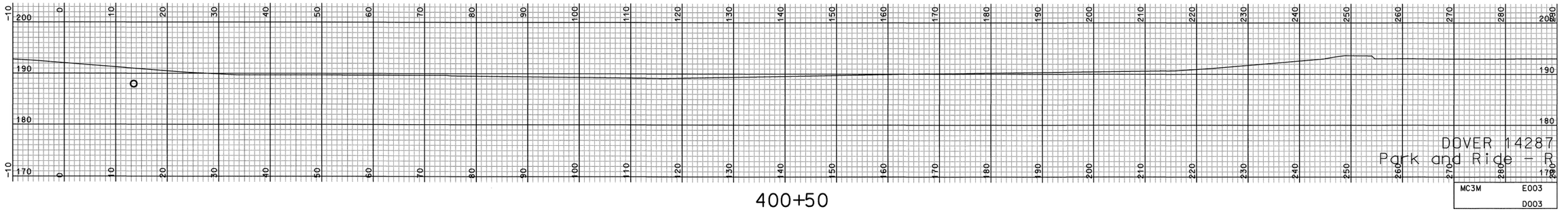
DOVER 14287
Park and Ride - L

MC3M	E011
	D011

SHEET TOTALS

COMMON EXCAV.	154.05 C.Y.	ROCK EXCAV.	– C.Y.
FILL	2.03 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsl	14287	30	43



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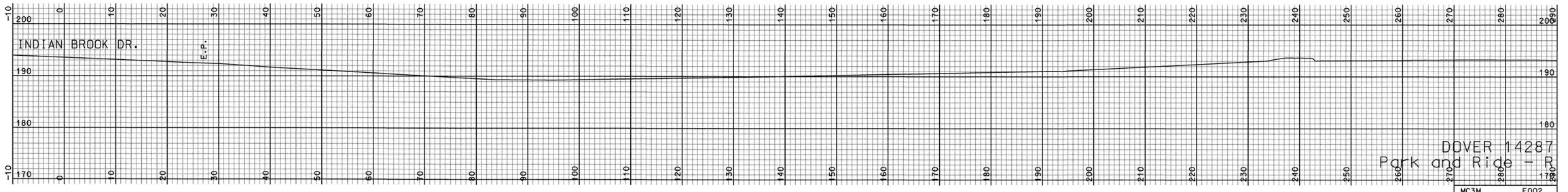

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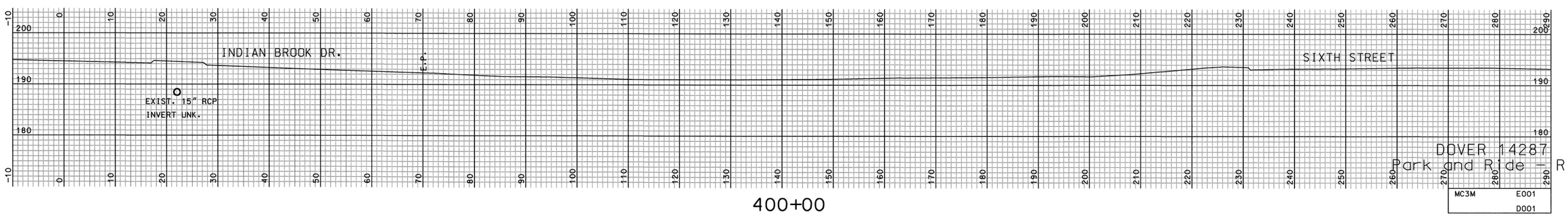


400+00

REVISIONS AFTER PROPOSAL

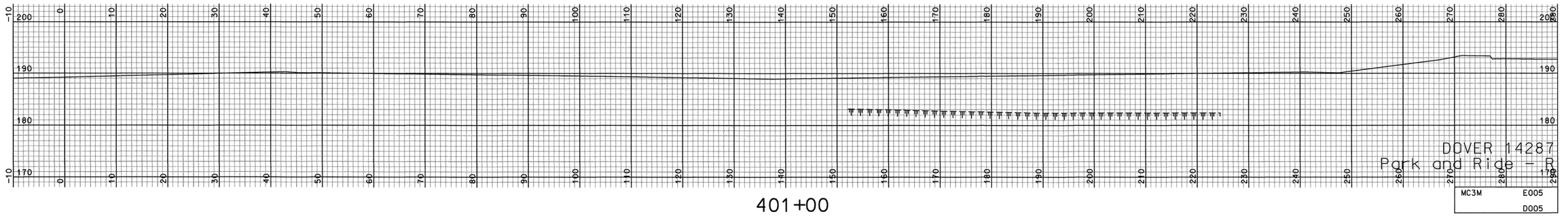
STATION	DESCRIPTION	NUMBER	DATE

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

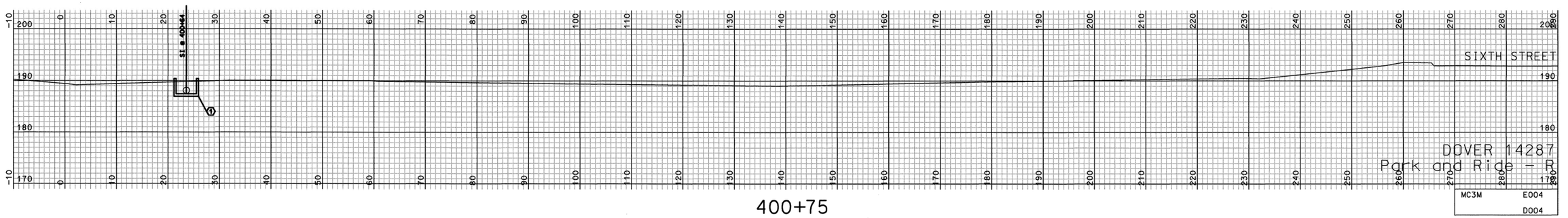
SHEET TOTALS

COMMON EXCAV.	– C.Y.	ROCK EXCAV.	– C.Y.
FILL	– C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsr	14287	31	43



401+00



400+75

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

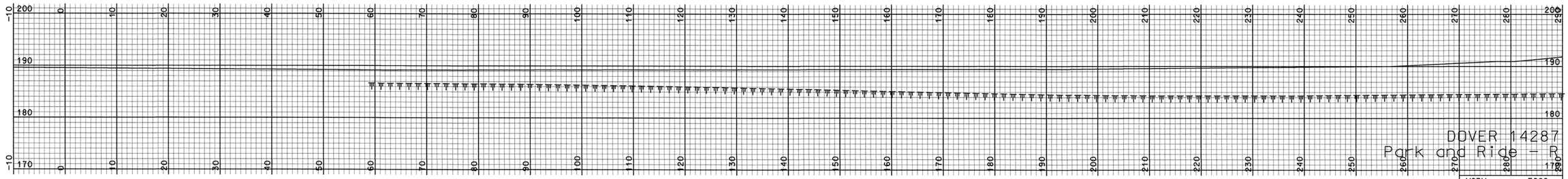
SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

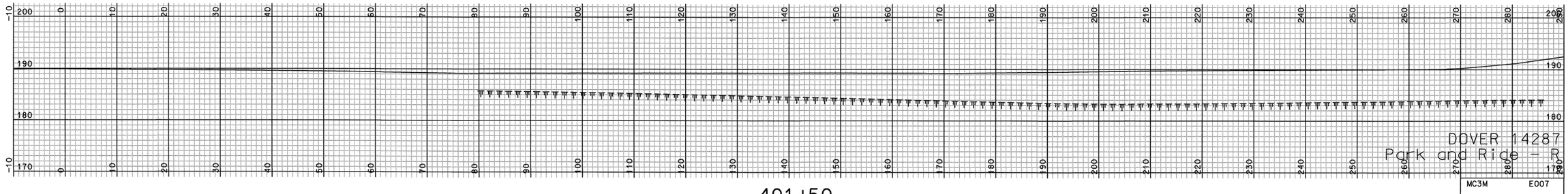
COMMON EXCAV. – C.Y. ROCK EXCAV. – C.Y.

FILL – C.Y. MUCK EXCAV. – C.Y.

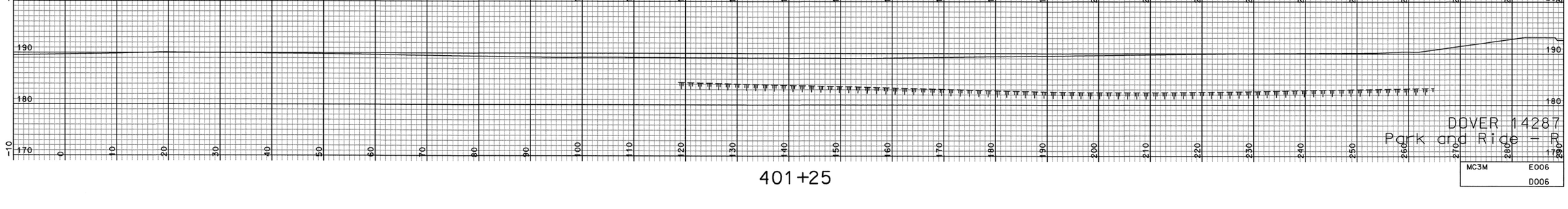
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEET
14287xsr	14287	32	43



401+75



401+50



401+25

REVISIONS AFTER PROPOSAL

NUMBER	DATE	DESCRIPTION	STATION

SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	– C.Y.	ROCK EXCAV.	– C.Y.
FILL	– C.Y.	MUCK EXCAV.	– C.Y.

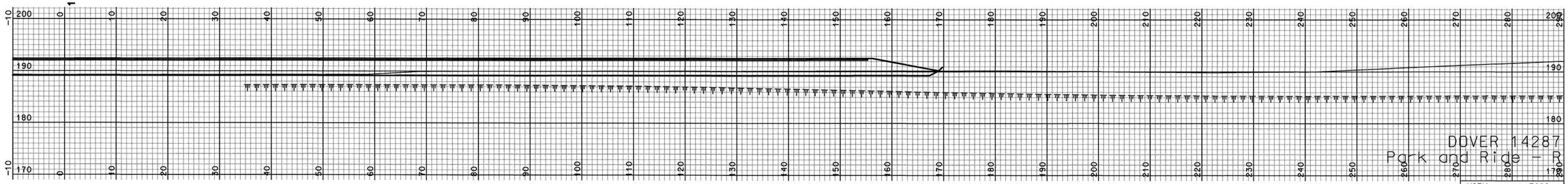
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsr	14287	33	43

REVISIONS AFTER PROPOSAL

NUMBER	DATE	STATION	DESCRIPTION

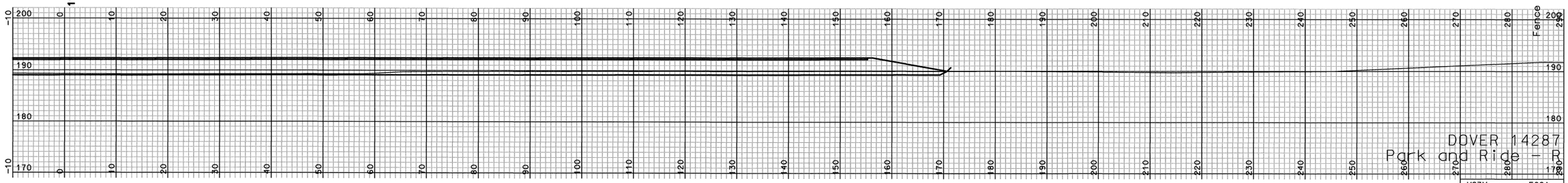
SDR PROCCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

192.38



402+00

192.31



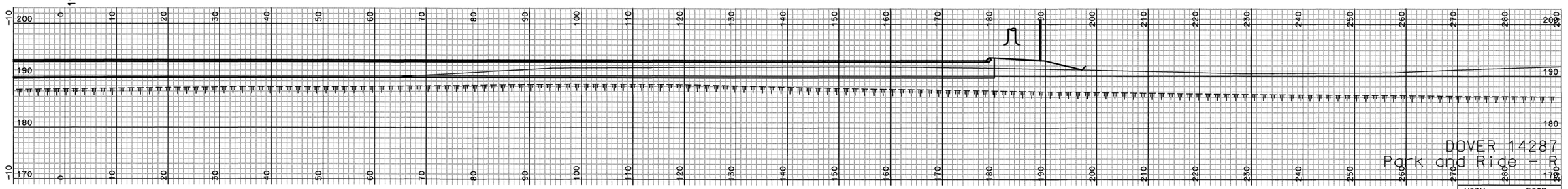
401+94

SHEET TOTALS

COMMON EXCAV.	135.65 C.Y.	ROCK EXCAV.	– C.Y.
FILL	14.86 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsr	14287	34	43

192.97

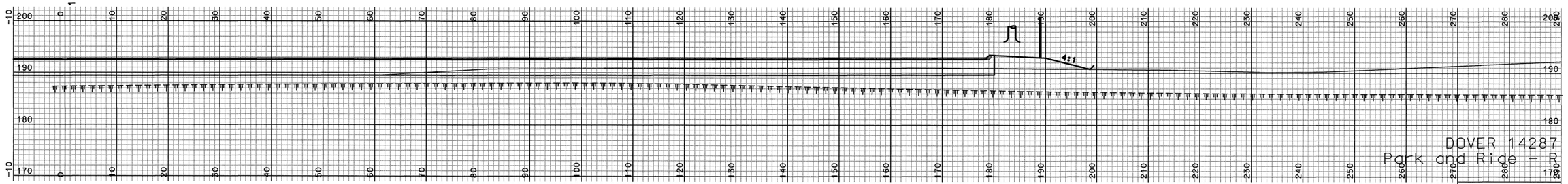


402+50

MC3M	EOOB
	DOOB

192.68

8' WOOD
FENCE



402+25

MC3M	EOOA
	DOOA

REVISIONS AFTER PROPOSAL

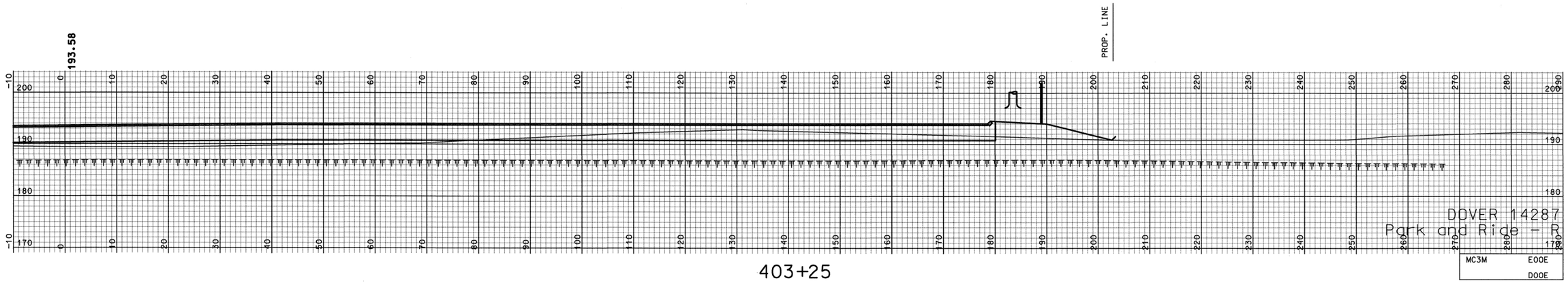
NUMBER	DATE	STATION	DESCRIPTION

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV.	346.03 C.Y.	ROCK EXCAV.	– C.Y.
FILL	58.82 C.Y.	MUCK EXCAV.	– C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEE
14287xsr	14287	35	43



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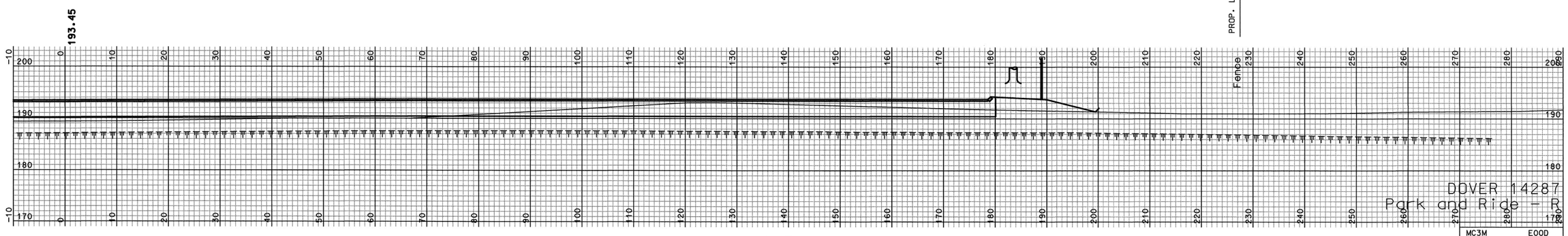

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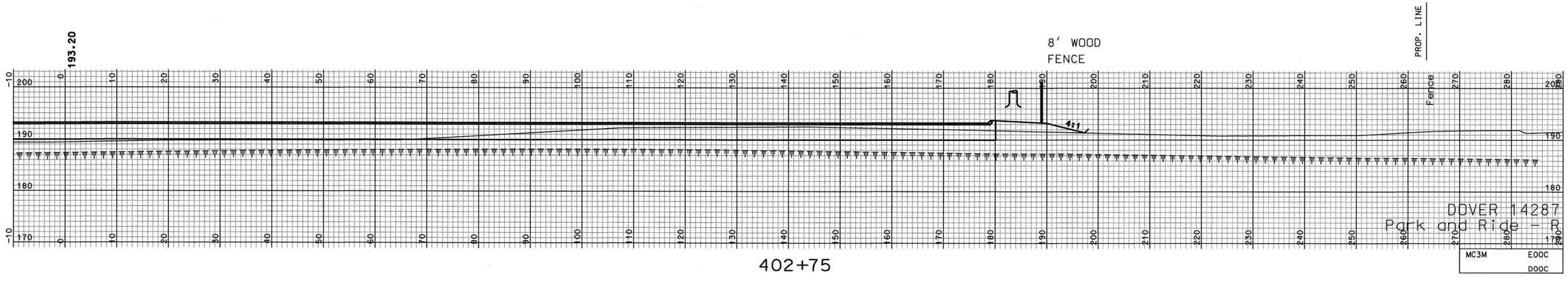

402+75

REVISIONS AFTER PROPOSAL

NUMBER	DESCRIPTION	STATION	DATE

SDR PROCESSED	SEL	DATE 10/05
NEW DESIGN	MSH	DATE 12/05
SHEET CHECKED	WAC	DATE 06/06
AS BUILT DETAILS		DATE

SHEET TOTALS

COMMON EXCAV. 418.29 C.Y. ROCK EXCAV. - C.Y.

FILL 257.43 C.Y. MUCK EXCAV. - C.Y.

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14287xsr	14287	36	43