I-5 / Everett HOV
Design-Build Project

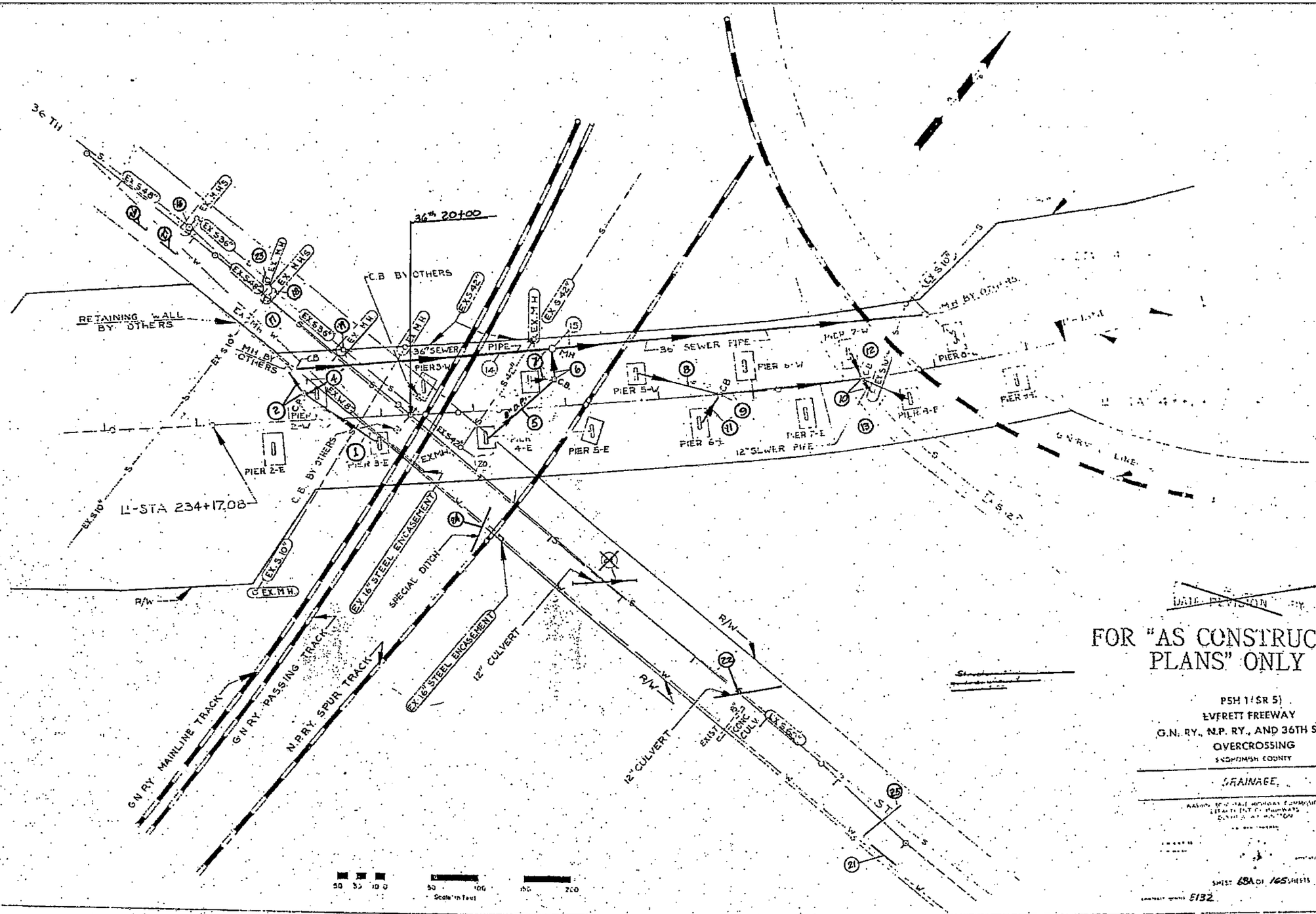
REQUEST
FOR
PROPOSALS

Appendix H7a
Drainage As-Built Supplement

Addendum #4:

February 8, 2005

T.29N. R.5E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

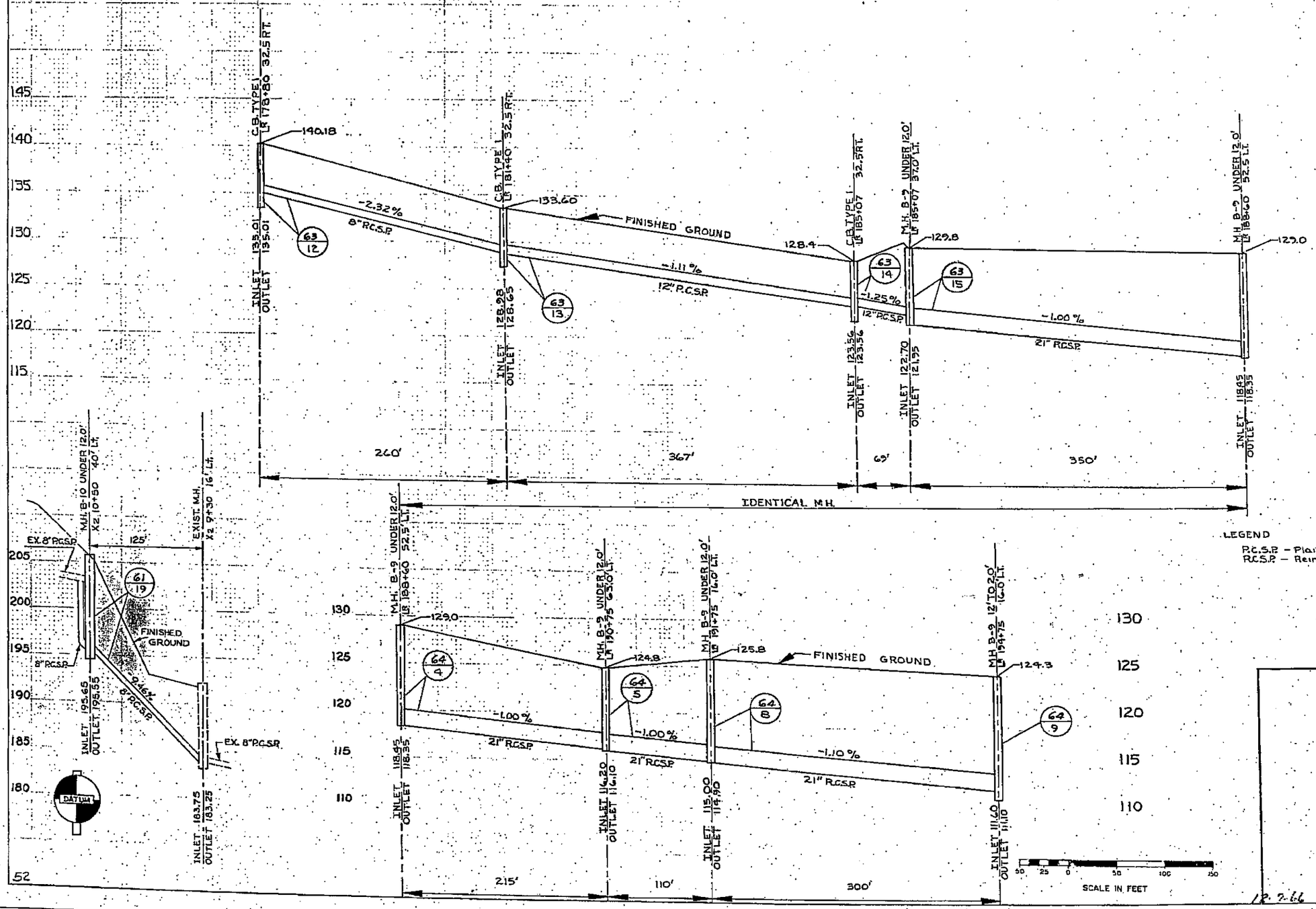
PSH 1 (SR 5)
EVERETT FREEWAY
G.N. RY., N.P. RY., AND 36TH STREET
OVERCROSSING
SNOHOMISH COUNTY

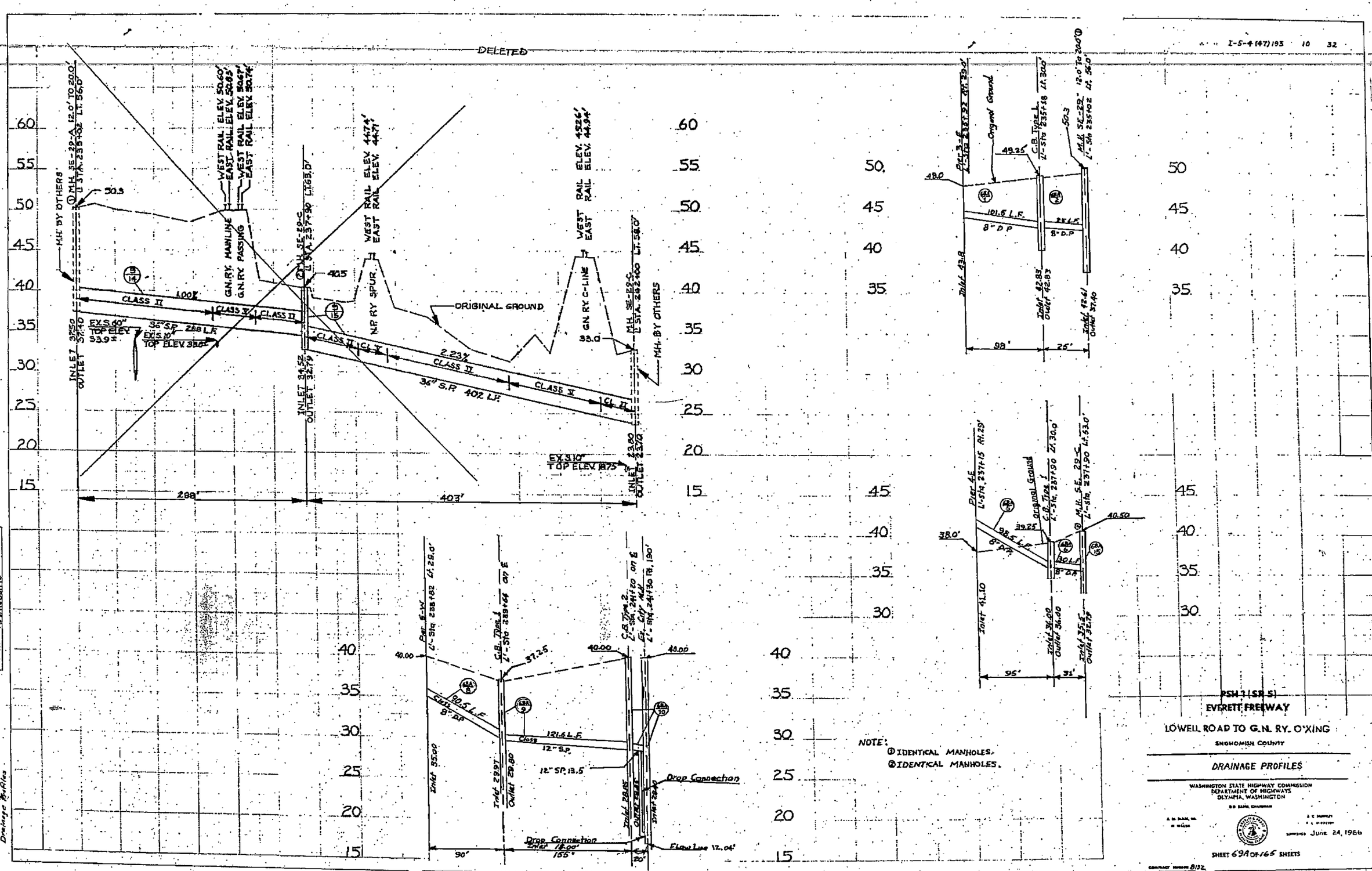
DRAINAGE

SHEET 68A OF 165 SHEETS

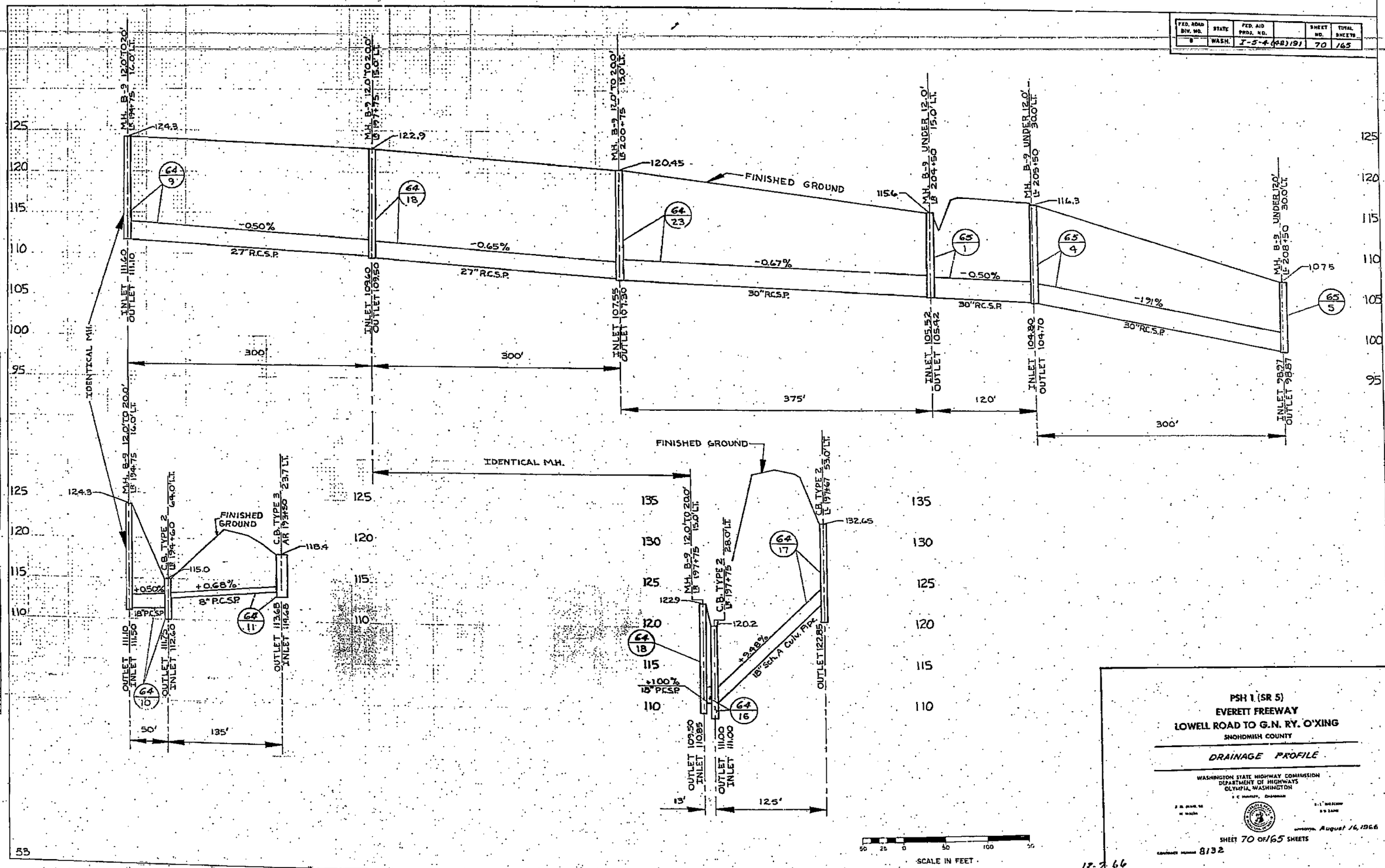
5132

FED. ROAD DIV. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	WASH.	I-5-4(48)151	69	165




DELETED
I-5-4(47)193 10 32
M.H. BY OTHERS
WEST RAIL ELEV. 50.60'
EAST RAIL ELEV. 50.85'
WEST RAIL ELEV. 50.67'
EAST RAIL ELEV. 50.74'
G.N.RY. MAINLINE
G.N.RY. PASSING
WEST RAIL ELEV. 44.74'
EAST RAIL ELEV. 44.71'
N.P. RY. SPUR
WEST RAIL ELEV. 45.26'
EAST RAIL ELEV. 44.94'
G.N. RY. C-LINE
ORIGINAL GROUND
CLASS II
CLASS V
CL. II
CL. V
1.00%
2.23%
36" S.P. 288 L.F.
36" S.P. 402 L.F.
EX. S.60" TOP ELEV. 33.9±
EX. S.10" TOP ELEV. 33.8±
EX. S.10" TOP ELEV. 18.75
INLET 37.50 OUTLET 37.40
INLET 34.52 OUTLET 32.79
INLET 23.80 OUTLET 23.70
288'
403'
Original Ground
C.B. Type 1
M.H. SE-29-C
101.5 L.F.
8" D.P.
98'
25'
Pier 4-E
Original Ground
C.B. Type 1
M.H. SE-29-C
98.5 L.F.
30 L.F.
95'
31'
Pier 5-W
C.B. Type 1
C.B. Type 2
Drop Connection
Flow Line 12.04'
90'
155'
20'
NOTE:
① IDENTICAL MANHOLES.
② IDENTICAL MANHOLES.
PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY
DRAINAGE PROFILES
WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON
APPROVED June 24, 1966
SHEET 69A OF 165 SHEETS
CONTRACT NUMBER 8132
P/1915

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
8	WASH.	I-5-4 (48) 191		70	165



PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY

DRAINAGE PROFILE

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

August 16, 1966

SHEET 70 OF 165 SHEETS

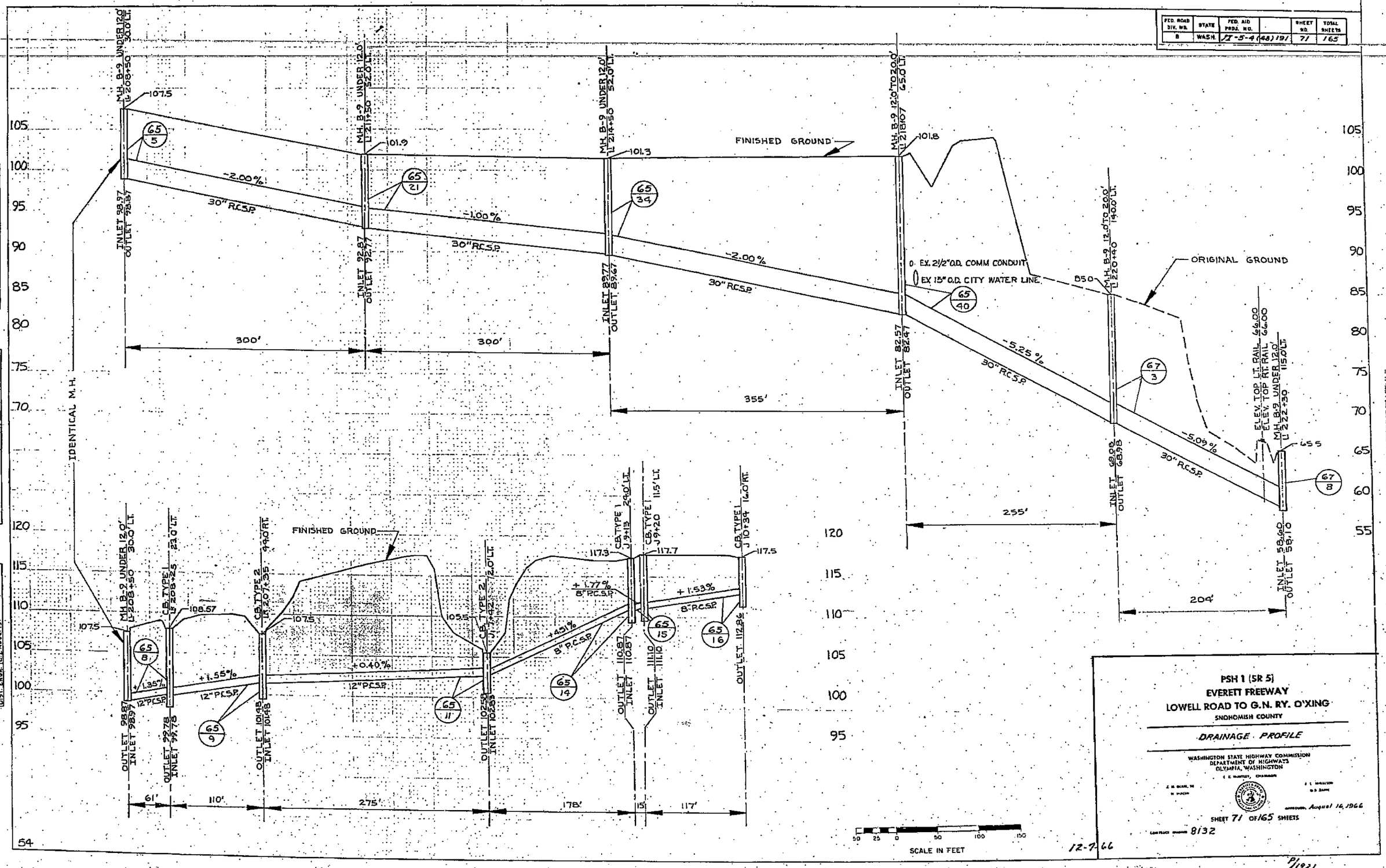
CONTRACT NUMBER 8132

12-7-66

P/1921

53

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
8	WASH.	IR-5-4(48)191		71	165



PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY

DRAINAGE PROFILE

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

APPROVED August 16, 1966

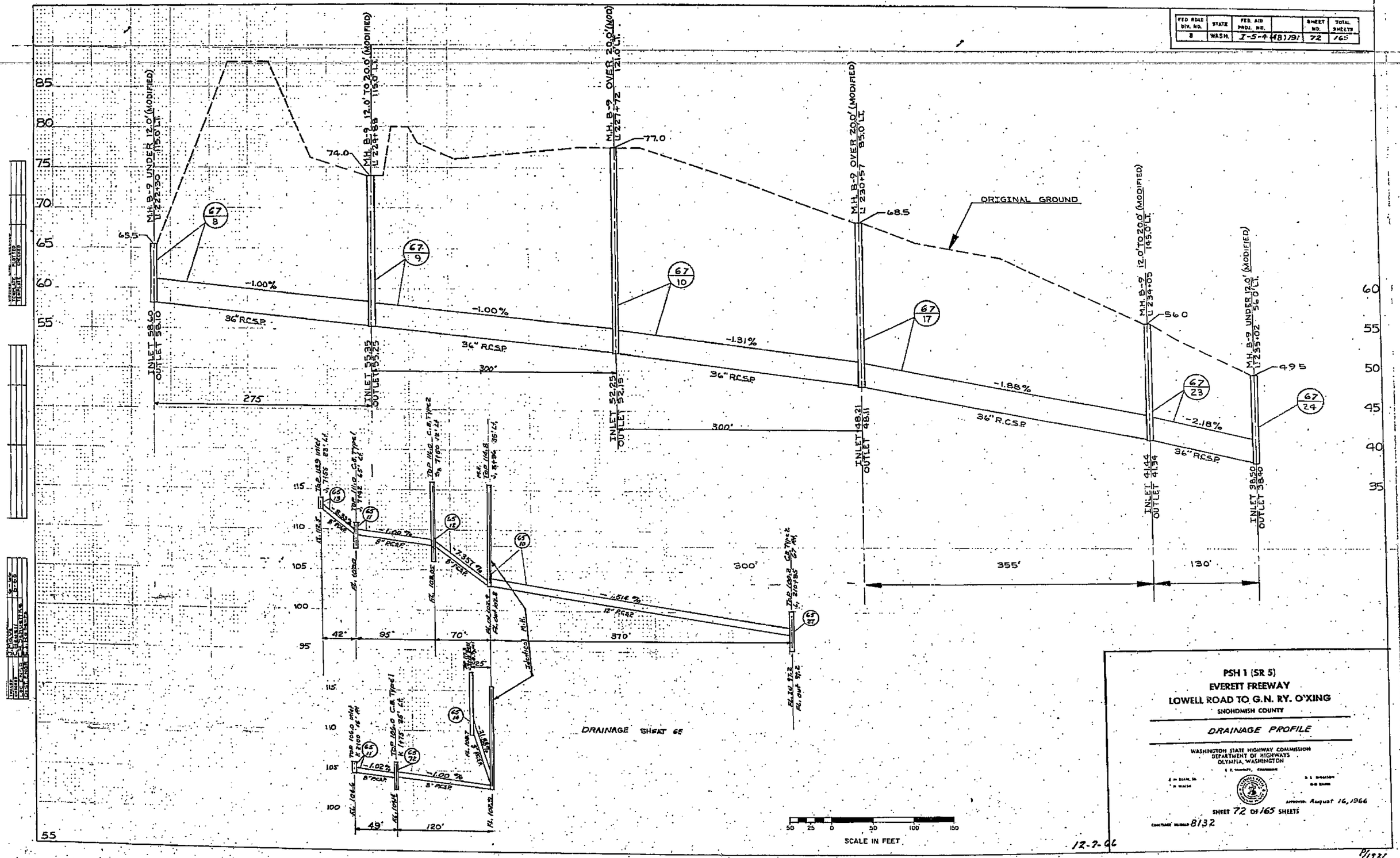
SHEET 71 OF 165 SHEETS

CONTRACT NUMBER 8132

12-7-66

P/1921

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.		SHEET NO.	TOTAL SHEETS
8	WASH.	I-5-4	(8)191	72	165



PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY

DRAINAGE PROFILE

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

APPROVED August 16, 1966

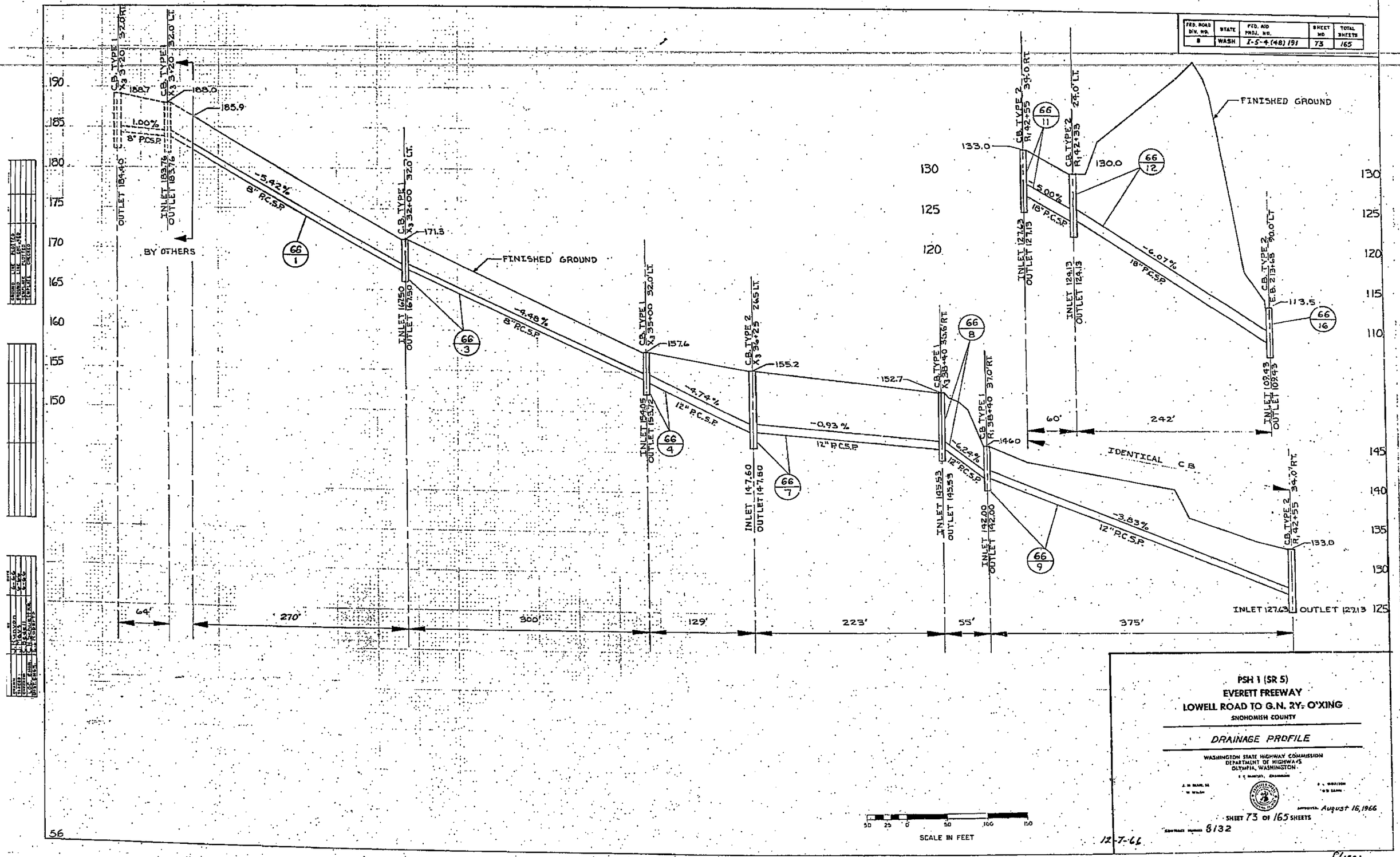
SHEET 72 OF 165 SHEETS

CONTRACT NUMBER 8132

12-7-66

P/1921

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO	TOTAL SHEETS
8	WASH	I-5-4(48) 191	73	165



PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY

DRAINAGE PROFILE

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

APPROVED August 16, 1966

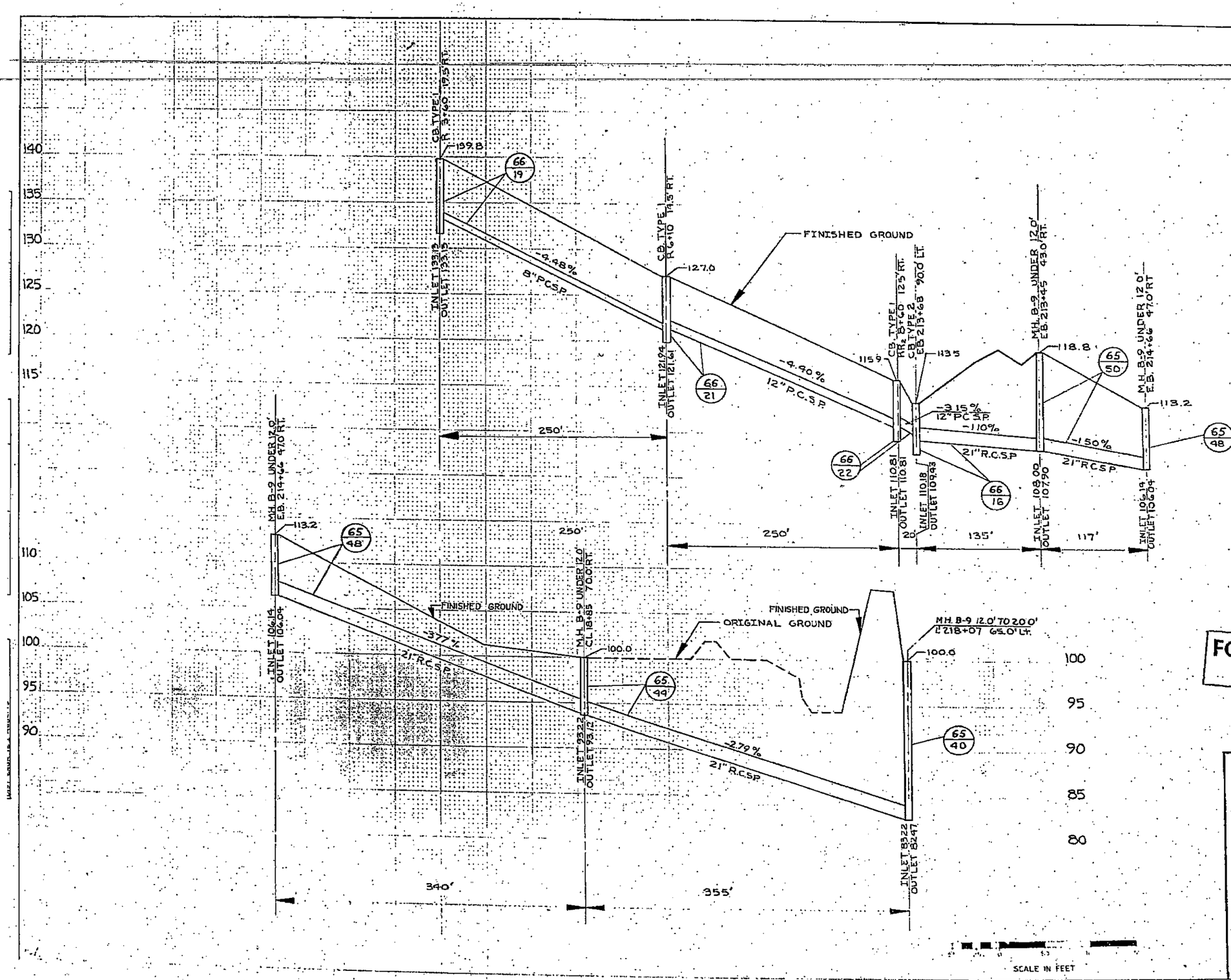
SHEET 73 OF 165 SHEETS

CONTRACT NUMBER 8132

12-7-66

56

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	WASH	I-5-4(48)191	74	165



FOR "AS CONSTRUCTED PLANS" ONLY

PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY

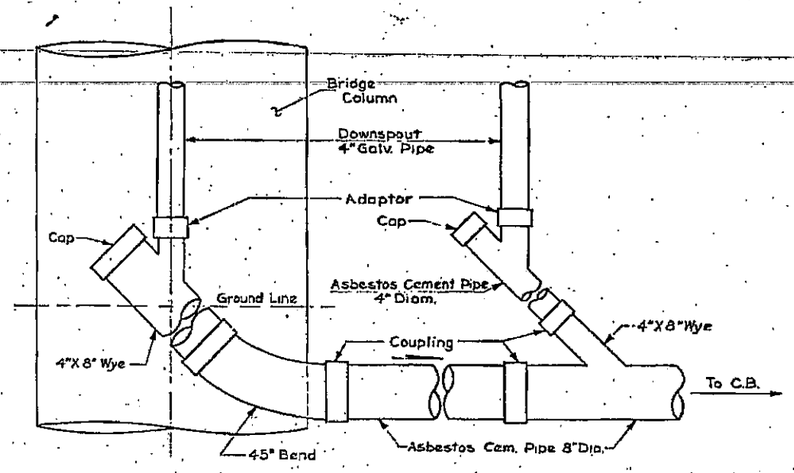
DRAINAGE PROFILE

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

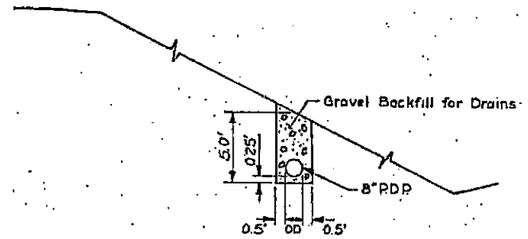
APPROVED August 16, 1966

SHEET 74 OF 165 SHEETS

8132

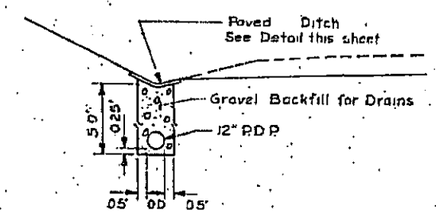


DOWNSPOUT CONNECTIONS



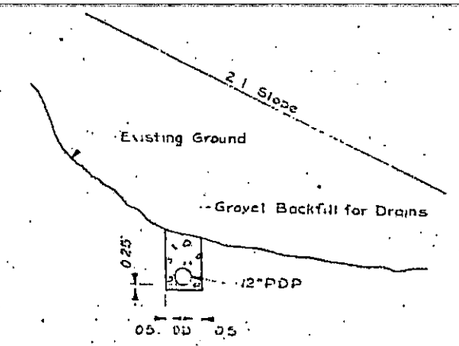
SUBDRAIN DETAIL A

DETAIL TO BE APPLIED FROM
Sta. L^R 171+50 (110' Lt) to
Sta. L^R 185+80 (56' Lt)



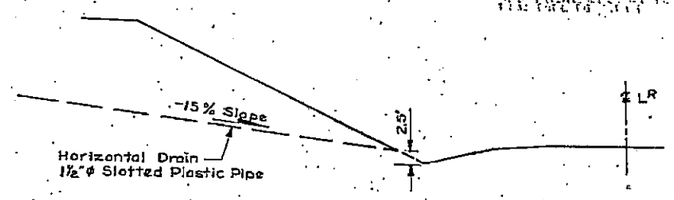
SUBDRAIN DETAIL B

DETAIL TO BE APPLIED FROM
Sta. L^R 165+00 (44' Lt) to
Sta. L^R 167+40 (44' Lt)
Sta. L^R 171+00 (44' Lt) to
Sta. L^R 185+07 (56' Lt)



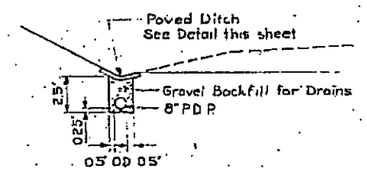
SUBDRAIN DETAIL C

DETAIL TO BE APPLIED FROM
Sta. L^R 186+00 (55' Lt) to
Sta. L^R 193+15 (20' Rt)



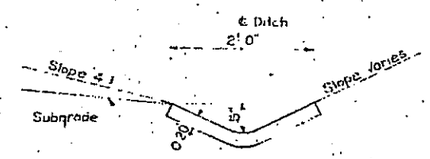
DRAINAGE DETAIL D

DETAIL TO BE APPLIED FROM
Sta. L^R 165+00 (Lt) to Sta. L^R 167+00 (Lt)
Sta. L^R 171+00 (Lt) to Sta. L^R 185+00 (Lt)
Sta. L^R 188+00 (Lt) to Sta. L^R 191+00 (Lt)

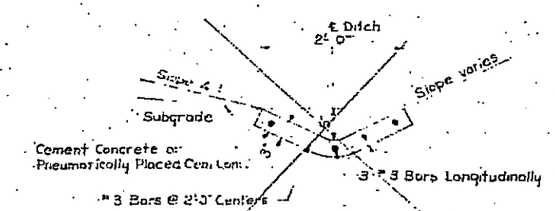


SUBDRAIN DETAIL E

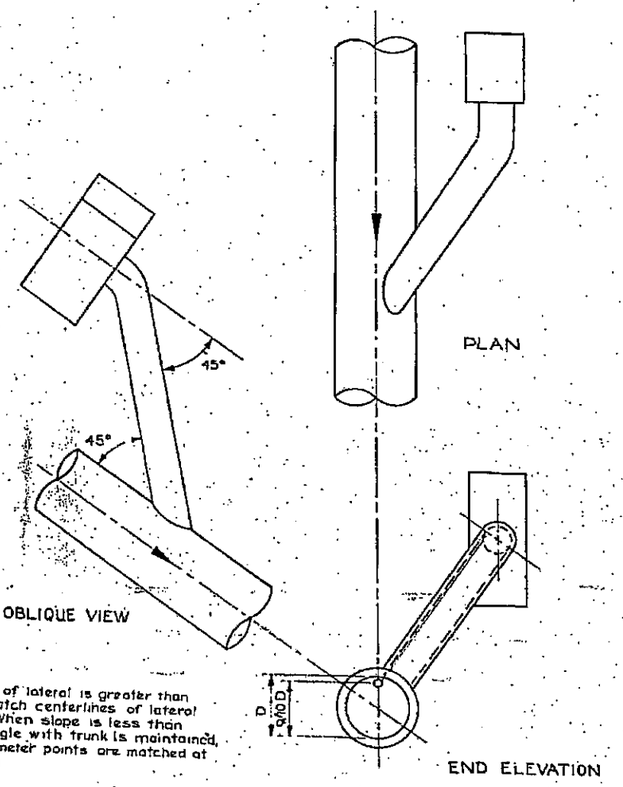
DETAIL TO BE APPLIED FROM
Sta. L^R 188+60 (70' Lt) to
Sta. L^R 191+75 (82' Lt)



ASPHALT LINED ROADWAY DITCH

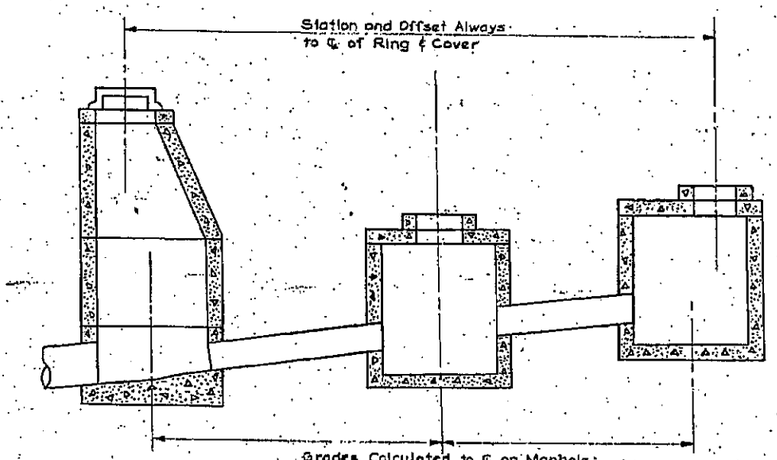


CEMENT CONCRETE OR PNEUMATICALLY PLACED CEMENT CONCRETE LINED DITCH
(Alternate Method)



NOTE:
When slope of lateral is greater than 50% (45°) match centerlines of lateral and trunk. When slope is less than 50%, 45° angle with trunk is maintained, but 9/10 diameter points are matched at the break-in

DETAIL - TRUNK BREAK-IN FOR LATERALS



STORM SEWER DESIGN DETAIL

FOR "AS CONSTRUCTED PLANS" ONLY

PSH 1 (SR 5)
EVERETT FREEWAY
LOWELL ROAD TO G.N. RY. O'XING
SNOHOMISH COUNTY

DRAINAGE DETAILS

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

APPROVED August 16, 1966

SHEET 75 OF 165 SHEETS

8132

P/1921