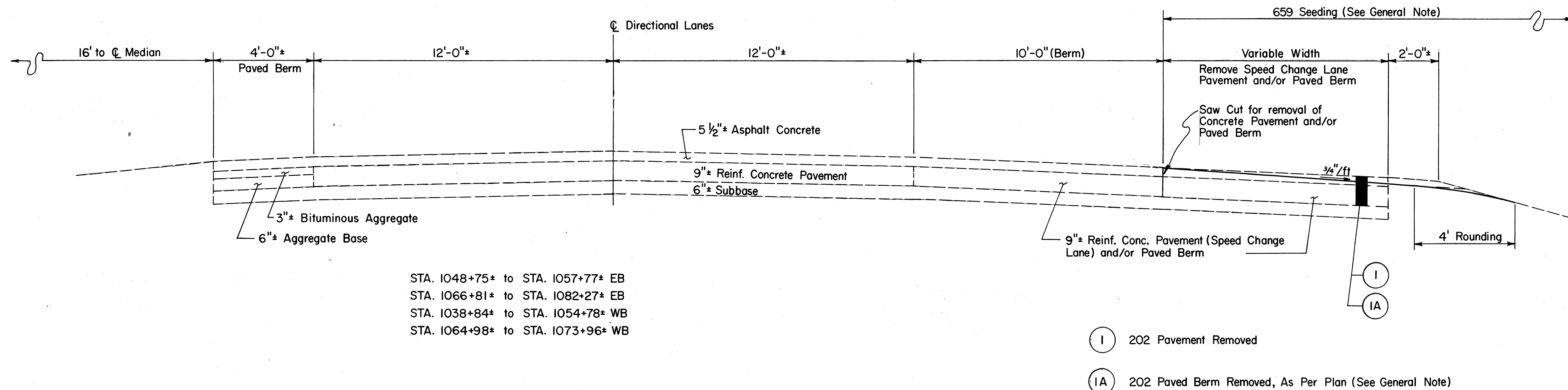


Project MED-76-4.71 MEDINA COUNTY
Date of Letting _____ 19__ Contract No. _____

MED-76-4.71

TYPICAL SECTION



GENERAL NOTES

Calc. by KG 12/87
Chk'd by PDU 4/88

FHWA REGION	STATE	PROJECT
5	OHIO	MED-76-4.71

3
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FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQ. FT. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

UNDERGROUND UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

ELECTRIC	OHIO EDISON 76 SOUTH MAIN STREET AKRON, OHIO 44308 (216) 384-5234
GAS	NB OPERATING COMPANY 104 SIXTH ST. SW CANTON, OHIO 44702 (216) 456-2454
TELEPHONE	GENERAL TELEPHONE 108 W. WASHINGTON STREET MEDINA, OHIO 44256 (216) 725-8411

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY ENGINEER". THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

REMOVAL OF TREES OR STUMPS

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING, EXCEPT THAT THOSE TREES FOR WHICH PROTECTION AND PRESERVATION WORK IS INDICATED ELSEWHERE IN THESE PLANS SHALL NOT BE REMOVED.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED:

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	21	0	21
30"	1	1	2
48"	0	0	0
60"	0	0	0

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN TEN (10) FEET OUTSIDE THE WORK LIMITS, AS SHOWN ON THE CROSS SECTIONS, OR TO THE RIGHT-OF-WAY LINE, IF SUCH LINE IS LESS THAN TEN (10) FEET FROM THE WORK LIMITS.

WATERING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SEEDED AREAS, AS PER 659.09:

659 WATER 44 M GAL.

ITEM SPECIAL, DRILLED WATER WELL ABANDONED

THE EXISTING CONCRETE OR STONE SLAB WELL COVER AND PUMPING EQUIPMENT SHALL BE REMOVED AND DISPOSED OF. THE CASING SHALL BE CUT OFF AT LEAST ONE FOOT BELOW THE PROPOSED FINISHED GRADE OUTSIDE PROPOSED PAVEMENT AREAS OR AT LEAST ONE FOOT BELOW THE PROPOSED SUBGRADE ELEVATION INSIDE PROPOSED PAVEMENT AREAS. THE WELL SHALL BE FILLED FROM BOTTOM TO TOP WITH CLEAN PUDDLED CLAY OR CONCRETE.

THE UNIT PRICE BID PER EACH FOR ITEM SPECIAL, DRILLED WATER WELL ABANDONED SHALL INCLUDE PAYMENT FOR ALL LABOR, TOOLS, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

ITEM 202 RAISED PAVEMENT MARKERS REMOVED FOR STORAGE

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR REMOVING RAISED PAVEMENT MARKERS AS PER 202.071 :

202 RAISED PAVEMENT MARKERS 70 EACH
REMOVED FOR STORAGE

202-CONCRETE SLAB REMOVED, AS PER PLAN

THE EXISTING CONCRETE SLABS FOR PICNIC TABLES, GRILLS, WELL SHELTER, AND SHELTER HOUSE SHALL BE REMOVED AND DISPOSED OF AND THE RESULTING HOLES BACKFILLED AS PER 202.01. IN ADDITION, THE DISTURBED AREA SHALL ALSO BE SEEDED AND MULCHED. COST OF ALL THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE PER EACH FOR ITEM 202 - CONCRETE SLABS REMOVED, AS PER PLAN.

202-PRECAST CONCRETE BARRIER REMOVED FOR STORAGE

WHEN THE EXISTING CONCRETE BARRIER, USED TO CLOSE OFF THE REST AREA ENTRANCE RAMPS, OBSTRUCTS THE CONTRACTORS WORK OPERATIONS, HE CAN REMOVE THE PRECAST BARRIER SECTIONS BEGINNING AT THE TRAILING END. THE BARRIER SHOULD BE STORED IN THE VICINITY OF THE PARKING AREAS FOR LATER LOADING BY CONTRACTOR ONTO STATE VEHICLES FOR REMOVAL. IF THE CONTRACTOR CAN MAKE SATISFACTORY ARRANGEMENTS THROUGH THE ENGINEER TO HAVE STATE VEHICLES AVAILABLE, THE CONTRACTOR CAN LIFT THE BARRIER SECTIONS DIRECTLY ONTO THE STATE'S VEHICLES FOR REMOVAL FROM THE PROJECT.

- CONTINUED AT RIGHT -

202-PAVED BERM REMOVED, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF REMOVING PORTIONS OF THE EXISTING PAVED BERMS TO THE LIMITS DESIGNATED IN THE PLAN. WHERE ONLY A PORTION OF THE EXISTING BERM IS TO BE REMOVED, A NEAT EDGE JOINT SHALL BE SAWED OR CUT AT THE REMOVAL LIMIT. THE REMOVAL SHALL INCLUDE EXISTING ASPHALT CONCRETE AND AGGREGATE BASE MATERIALS AND THE BERM REMOVAL SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF SIX (6) INCHES OF SUITABLE MATERIAL TO BACKFILL TO THE FINISHED GRADE LINE AS PER THE TYPICAL SECTION AND PLAN CROSS-SECTIONS. ALL WORK SHALL MEET THE REQUIREMENTS OF 202 AND 203. COST OF ALL THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD FOR ITEM 202 - PAVED BERM REMOVED, AS PER PLAN.

203-LINEAR GRADING, AS PER PLAN

ALL EARTHWORK OPERATIONS REQUIRED TO REGRADE THE EXISTING SHOULDER AREAS AND TO OBLITERATE THE EXISTING RAMPS AND PARKING AREAS, AS SHOWN ON THE TYPICAL SECTION AND/OR THE CROSS-SECTIONS, SHALL BE INCLUDED IN THIS ITEM.

ALL AREAS SHALL BE SCALPED FIRST. EXCESS MATERIALS EXCAVATED FROM ONE AREA CAN BE USED ELSEWHERE ON THE PROJECT AS BACKFILL FOR 202 REMOVAL ITEMS OR TO BUILD UP SHOULDERS, SLOPES AND OTHER AREAS WITHIN THE RIGHT-OF-WAY AS APPROVED BY THE ENGINEER. SPECIAL CARE SHALL BE TAKEN TO MAINTAIN EXISTING DITCH DRAINAGE AND TO GRADE ALL DISTURBED AREAS TO HAVE POSITIVE DRAINAGE.

THE SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL BE PAID FOR UNDER ITEM 659.

ALL LABOR AND EQUIPMENT REQUIRED TO PERFORM THE REGRADING WORK AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT BID PER STATION ON EACH DIRECTIONAL ROADWAY FOR ITEM 203-LINEAR GRADING, AS PER PLAN.

TRENCH CLOSING

THE TRENCH ALONG THE OUTSIDE EDGE OF THE 10 FOOT PAVED BERM RESULTING FROM THE PAVEMENT AND BERM REMOVAL ITEMS SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF THE BACKFILL MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND THE REMOVAL OPERATIONS. THE LENGTH OF THE TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM SUBJECT TO THE APPROVAL OF THE ENGINEER. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT.

614-MAINTAINING TRAFFIC

THROUGH TRAFFIC SHALL BE MAINTAINED IN EACH DIRECTION ON I.R. 76 AT ALL TIMES. TRAFFIC CONTROL SHALL BE MAINTAINED AS PER THE SPECIFICATIONS, PLAN DETAILS, AND AS OUTLINED IN THE CONSTRUCTION AND MAINTENANCE OPERATIONS SECTION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION WITH THE LATEST REVISIONS.

DURING PERIODS WHEN THE CONTRACTOR IS WORKING ALONG THE EDGE OF THE 10-FOOT PAVED BERM, THE OUTSIDE LANE SHALL BE CLOSED TO THROUGH TRAFFIC AND THE TRAFFIC CONTROL SHALL BE AS DETAILED ON SHEET 14 FOR CLOSING ONE LANE OF A FOUR LANE DIVIDED HIGHWAY. TRAFFIC SHALL BE RETURNED TO ITS NORMAL PATTERN AT THE END OF EACH WORK DAY.

DURING WORK NEAR THE SHOULDERS, OW-132 (SHOULDER WORK AHEAD) SIGNS SHALL BE ERRECTED AS PER PLATE C-11 OF THE OMUTCD.

PAYMENT FOR ALL THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

ALL COSTS FOR THE REMOVAL OF THE CONCRETE BARRIER SHALL BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT FOR ITEM 202 PRECAST CONCRETE BARRIER REMOVED FOR STORAGE.

$$40895 \times 9 \times 20 / (1000 \times 2000) = 3.68 \text{ TON}$$

GENERAL SUMMARY

CALC. BY <u>KG</u>	MED-76-4.71	OHIO	
DATE <u>12/87</u>		FHWA REGION 5	
CHKD. BY <u>WDL</u>		FEDERAL PROJECT	
DATE <u>2/88</u>			

[illegible]

GENERAL SUMMARY

Signing Legend

- 1 Signs W/1 Support (Posts)
 - 1 Signs W/2 Supports (Posts or Beams)
- NOTE: Many of the sign faces have been removed from supports

NOTE: Remove all existing delineator posts along speed change lanes and ramps under Item 201 Clearing and Grubbing

Calc. By: KG 12/87
Chkd. By: P.D. 2/88

FHWA REGION	STATE	PROJECT
5	OHIO	

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MED-76-4.71

LIGHT & SIGN REMOVALS

STATION LIMITS	202		630			
	Light Poles Removed	Concrete Pole Bases Removed	Removal of Ground Mounted Sign and Disposal	Removal of Ground Mounted Post Support	Removal of Ground Mounted Beam Support	
	Each	Each	Each			
1003+00± E.B. Rt.					2*	
1047+50± E.B. Rt.					2*	
1050+50± E.B. Rt.			1		1	
1053+50± W.B. Rt.					1	
1038+40± to 1052+95± W.B. Rt.	6	7				
1049+40± to 1051+80± E.B. Rt.	2	2				
TOTALS	8	9	1	2	4	

* Only portion below breakaway base into concrete foundation

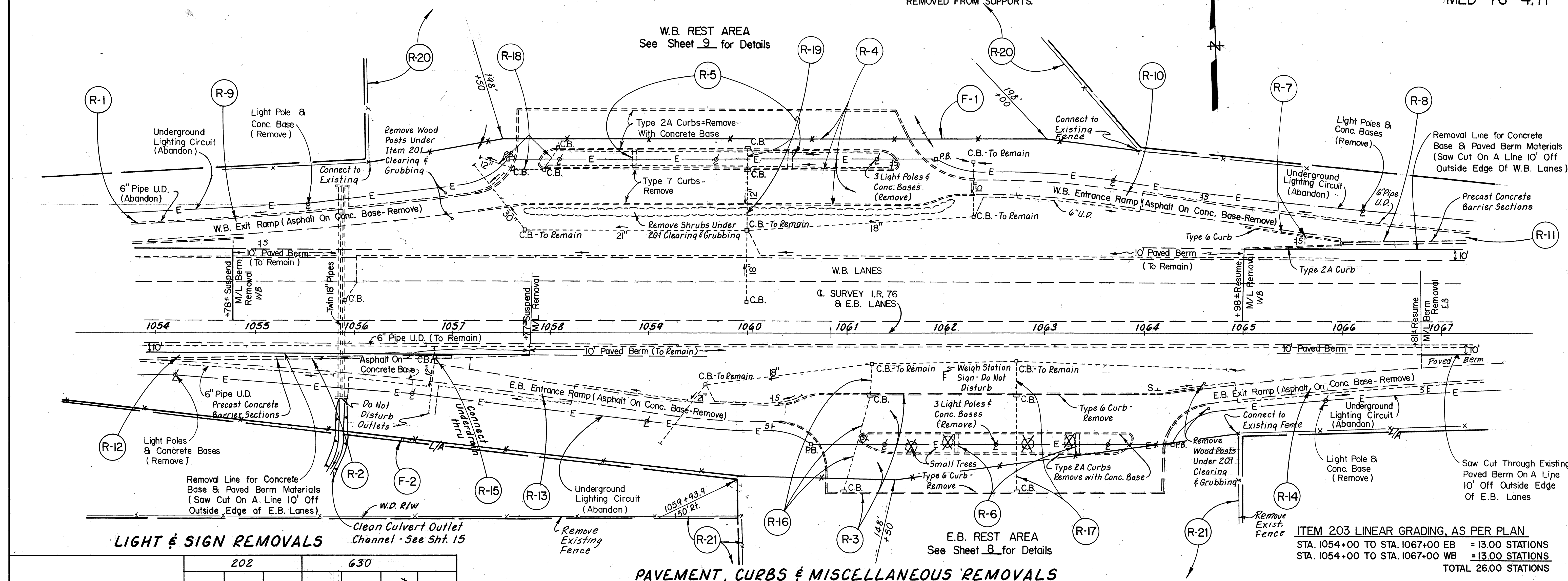
PAVEMENT, CURB & DRAINAGE REMOVALS

REF. NO.	STATION LIMITS	202							607
		Pavement Removed	Paved Berm Removed, As Per Plan	Curb Removed	FENCE REMOVED	Catch Basin Removed	Catch Basin Abandoned	Pipe Removed, 24" and Under	Precast Concrete Barrier Removed For Storage
		Sq.Yd.	Sq.Yd.	Lin.Ft.	Lin.Ft.	Each	Each	Lin.Ft.	Lin.Ft.
R-1	1049+88± to 1054+00± WB			412					
R-2	1051+67± WB					1		38	
R-3	1050+08± WB						1		
R-4	1048+75± to 1054+00± E.B.	170	403						
R-5	1038+84± to 1049+88± WB	1400	811						
R-6	1049+88± to 1054+00± M/L Ramp WB	718	475						
R-7	1053+40± to 1054+00± E.B.								60
F-1	1052+80± to 1054+00± E.B.								121
R-8	1052+80± to 1054+00± E.B.				240				
TOTALS		2288	1689	412	240	1	1	38	60

ITEM 203 LINEAR GRADING, AS PER PLAN :

Sta. 1048+75± to Sta. 1054+00 E.B. = 5.25 Stations
Sta. 1038+84± to Sta. 1054+00 WB = 15.16 Stations
Total = 20.41 Stations

STA. 1003+00 TO STA. 1054+00



STATION LIMITS	202			630		
	Light Pole Removed	Concrete Pole Bases Removed		Removal of Ground Mounted Sign and Disposal	Removal of Ground Mounted Post Support	Removal of Ground Mounted Beam Support
	Each			Each		
1057+25± EB Rt.					2*	
Entrance to EB Parking Area, Lt. & Rt.				2		
EB Parking Area Island				1		
Exit From EB Parking Area				1		
1066+85± EB (Ramp) Rt.				2		
1055+10± WB Lt.				1	2	
WB Parking Area Island				2		
1064+60± WB (Ramp) Lt.				2		
1065+50± WB Lt.						2*
1054+20± to 1058+98± (Ramp) Rt.	3	3				
EB Parking Area Island	3	3				
1065+80± (Ramp) Rt.	1	1				
1055+55± (Ramp) Lt.	1	1				
WB Parking Area Island	3	3				
1063+70± to 1066+20± (Ramp) Lt.	2	2				
TOTALS	13	13		1	12	4

* Only portion from
breakaway base into
conc. foundation

Ref. No.	STATION LIMITS	202						
		Pavement Removed	Paved Berm Removed, As Per Plan		Curb Removed	Precast Concrete Barrier Removed for Storage	Sidewalk Removed	Concrete Median Removed
		Sq. Yd.	Sq. Yd.		Lin. Ft.	Lin. Ft.	Sq. Ft.	Sq. Yd.
R-1	1054+00 to 1054+85± WB				85			
R-2	1054+00 to 1057+00± EB					300		
R-3	Eastbound Parking Areas	3315			986			
R-4	Westbound Parking Areas	3840			875			
R-5	WB Parking Areas Island						114	
R-6	EB Parking Areas Island						114	
R-7	1065+00± to 1066+00± WB				98			30
R-8	1066+00± to 1067+00 WB					100		
R-9	WB Exit Ramp (To Park Area Curbs)	570	260					
R-10	WB Entrance Ramp (From Park Area Curbs)	670	252					
R-11	WB Decel. Area	265	86					
R-12	EB Decel. Area	467	349					
R-13	EB Entrance Ramp (To Park Area Curbs)	646	243					
R-14	EB Exit Ramp (From Park Area Curbs)	423	179					
	TOTALS	10,196	1369		2044	400	228	30

DRAINAGE REMOVALS & FENCE							
Ref. No.	STATION LIMITS	202					607
		Catch Basin Removed	Catch Basin Abandoned		Pipe Removed, 24" and Under	Fence Removed	Fence, Type 47
R-15	1056+82± Rt.		1				
R-16	1060+95± to 1061+25± EB Park. Area	2			134		
R-17	1062+72± - EB Parking Area	2			133		
R-18	1057+30± to 1058+07± WB Park. Area	3			91		
R-19	1060+00± - WB Parking Area	2			84		
F-1	1056+12 to 1064+00 Lt.						789
F-2	1054+00 to 1064+91.5 Rt.						1148
R-20	1056+12 to 1064+00 Lt.					1117	
R-21	1054+00 to 1064+95.5 Rt.					1487	
	TOTALS	9	1		442	2604	1937

STA. 1054+00 TO STA. 1067+00

NOTE: Remove all existing delineator posts along ramps and speed change lanes under Item 201 Clearing and Grubbing.

Signing Legend

- 1 Signs W/1 Support (Posts)
 - 1 Signs W/2 Supports (Posts or Beams)
- NOTE: Many of the sign faces have been removed from supports

Calc. By: KG 12/87
Chkd. By: DDM 4/88

FHWA REGION	STATE	PROJECT
5	OHIO	

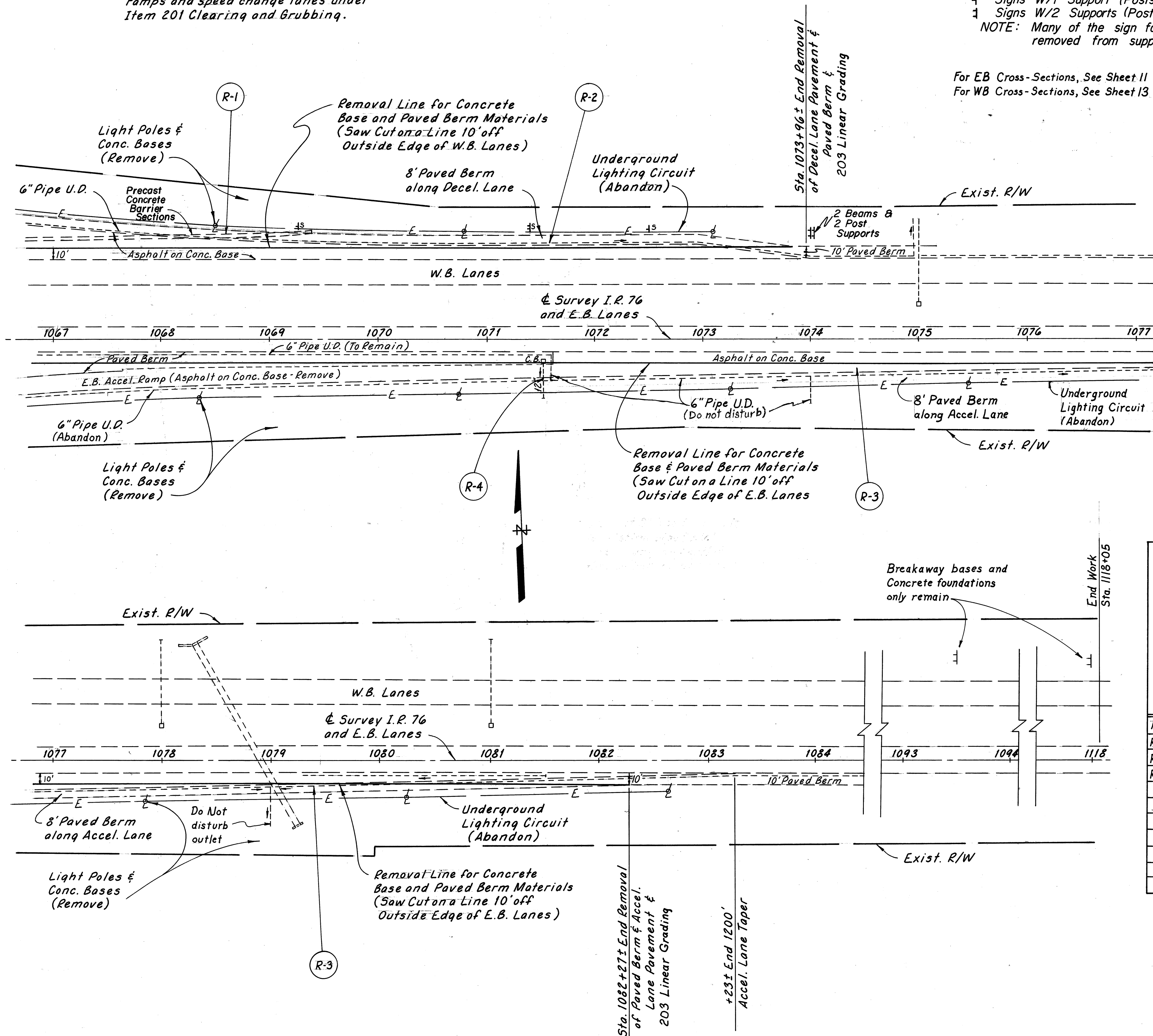
MED-76-4.71

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LIGHT & SIGN REMOVALS

STATION LIMITS	202		630			
	Light Poles Removed	Concrete Pole Bases Removed	Removal of Ground Mounted Sign and Disposal	Removal of Ground Mounted Post Support	Removal of Ground Mounted Beam Support	
	Each	Each				
1069+25 ± W.B. Lt.			1	1		
1071+40 ± W.B. Lt.			1	2		
1072+50 ± W.B. Lt.			1	1		
1074+00 ± W.B. Lt.				2	2*	
1093+50 ± W.B. Lt.					2*	
1118+00 ± W.B. Lt.					2*	
1068+50 ± to 1073+10 ± W.B. Lt.	3	3				
1068+35 ± to 1082+65 ± E.B. Rt.	7	7				
TOTALS	10	10	3	6	6	

* Only portion below breakaway base into concrete foundation



REF. NO.	STATION LIMITS	202							
		Pavement Removed	Paved Berm Removed, As Per Plan		Precast Concrete Barrier Removed For Storage		Catch Basin Removed	Pipe Removed, 24" and Under	
		Sq. Yd.	Sq. Yd.		Lin. Ft.		Each	Lin. Ft.	
R-1	1067+00 to 1069+40* WB				240				
R-2	1067+00 to 1073+96* WB	371	485						
R-3	1067+00 to 1082+27* EB	1414	1349						
R-4	1071+52* EB						1	35	
			</						

Item 203 Linear Grading, As Per Plan:

Sta. 1067+00 to Sta. 1082+27* EB = 15.27 Stations
Sta. 1067+00 to Sta. 1073+96* WB = 6.96 Stations
Total = 22.23 Stations

NOTES:

1. All underground electric and telephone cables in the park area are to be abandoned.
2. Exercise care during the removal operations so as not damage existing trees.

ESTIMATED QUANTITIES

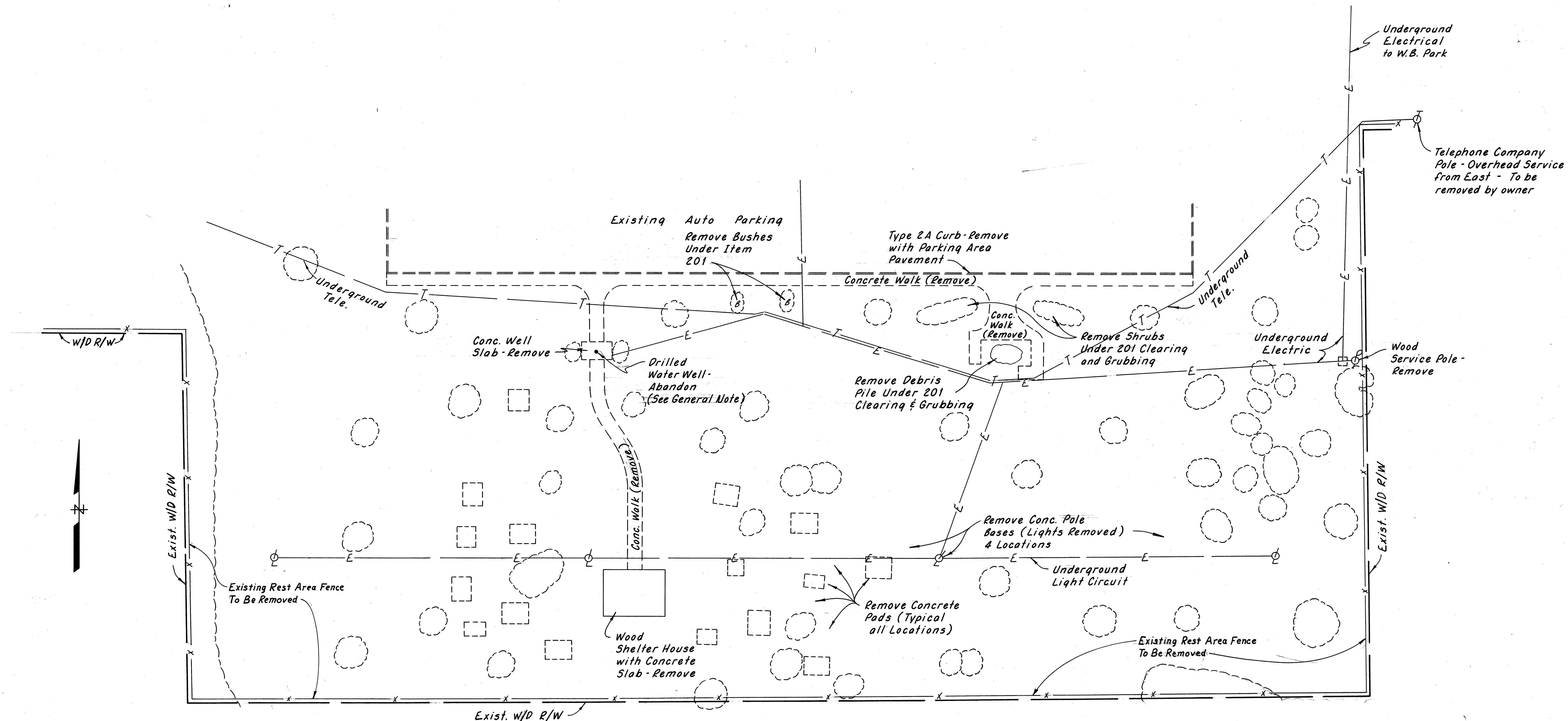
202	Walk Removed	2927 Sq. Yd.
202	Concrete Pole Bases Removed	4 Each
202	Concrete Slabs Removed, As Per Plan	18 Each
202	Service Pole Removed	1 Each
Special	Drilled Water Well Abandoned	1 Each
202	Buildings (Wood Shelter House) Removed	1 Each
See Sheet 6 for 202 Fence Removed and 607 Fence, Type 47 Quantities.		

Calc. By: KG 12/87
Chkd. By: JPB 2/88

FHWA REGION	STATE	PROJECT
5	OHIO	

MED-76-4.71

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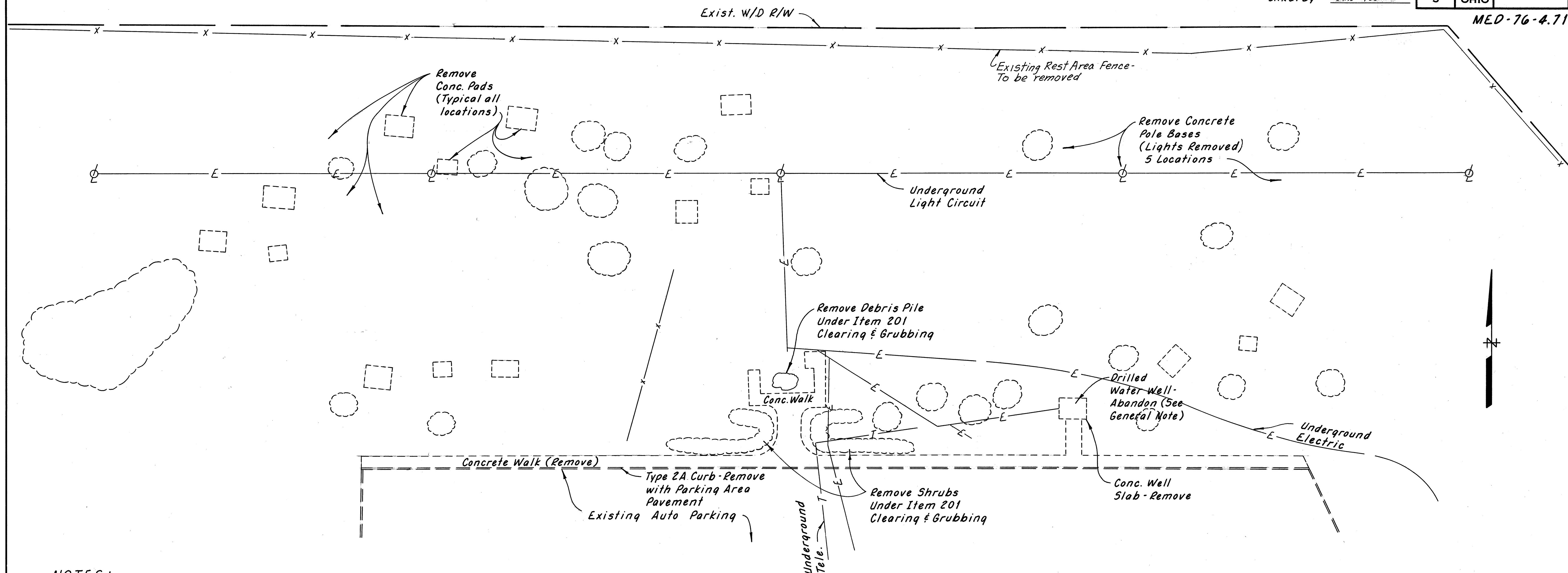
EB REST AREA

Calc. By: KG 12/87
Chkd. By: PLS 2/88

FHWA REGION	STATE	PROJECT
5	OHIO	

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16

MED-76-4.71



NOTES:

1. All underground electric and telephone cables in the park area are to be abandoned.
2. Exercise care during the removal operations so as not damage existing trees.

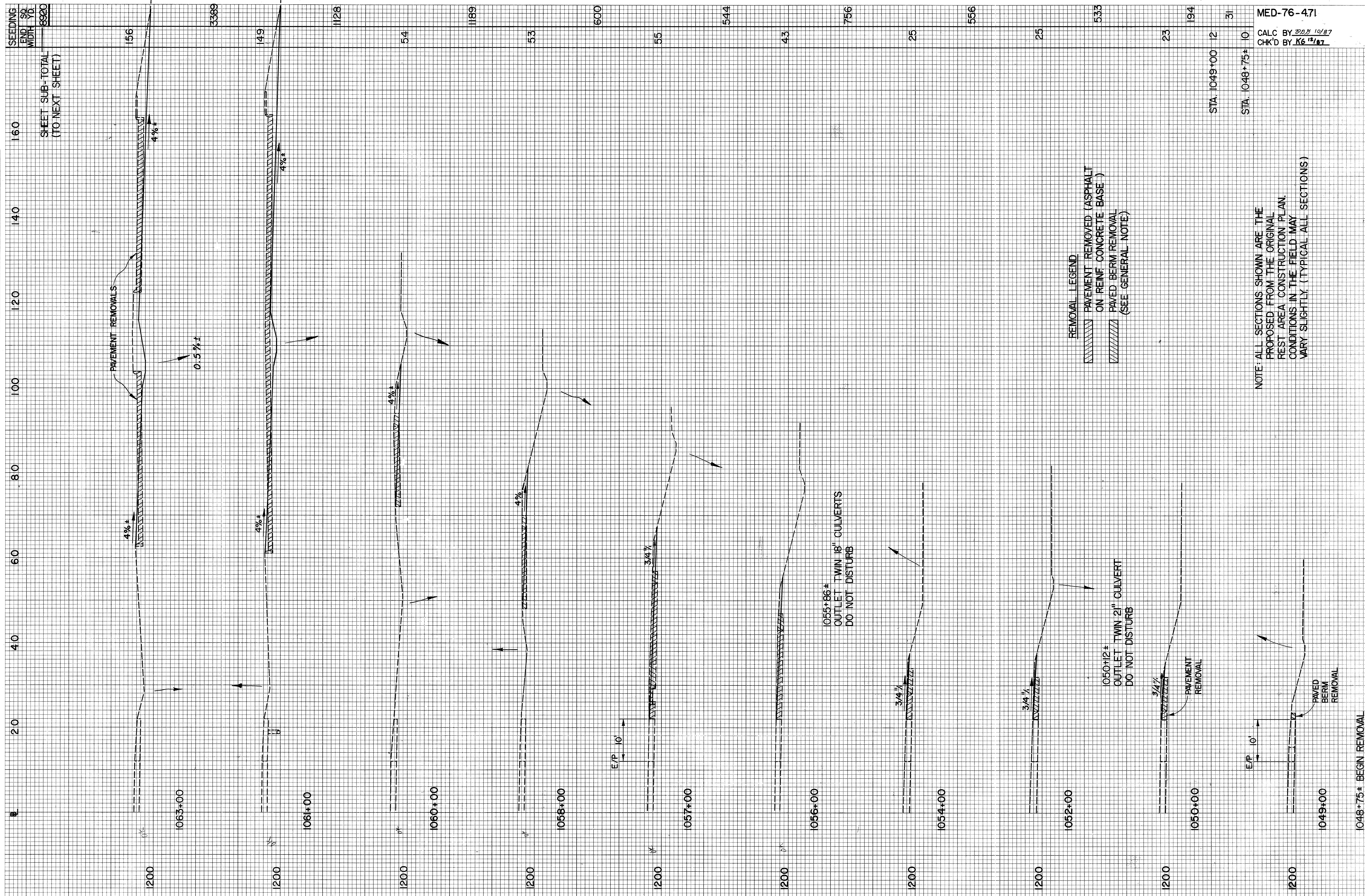
ESTIMATED QUANTITIES

202	Walk Removed	2693 Sq. Ft.
202	Concrete Pole Bases Removed	5 Each
202	Concrete Slabs Removed, As Per Plan	15 Each
Special	Drilled Water Well Abandoned	1 Each

SEE SHEET 6 FOR 202 FENCE REMOVED
AND 607 FENCE, TYPE 47 QUANTITIES.

ORIGINAL			
SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

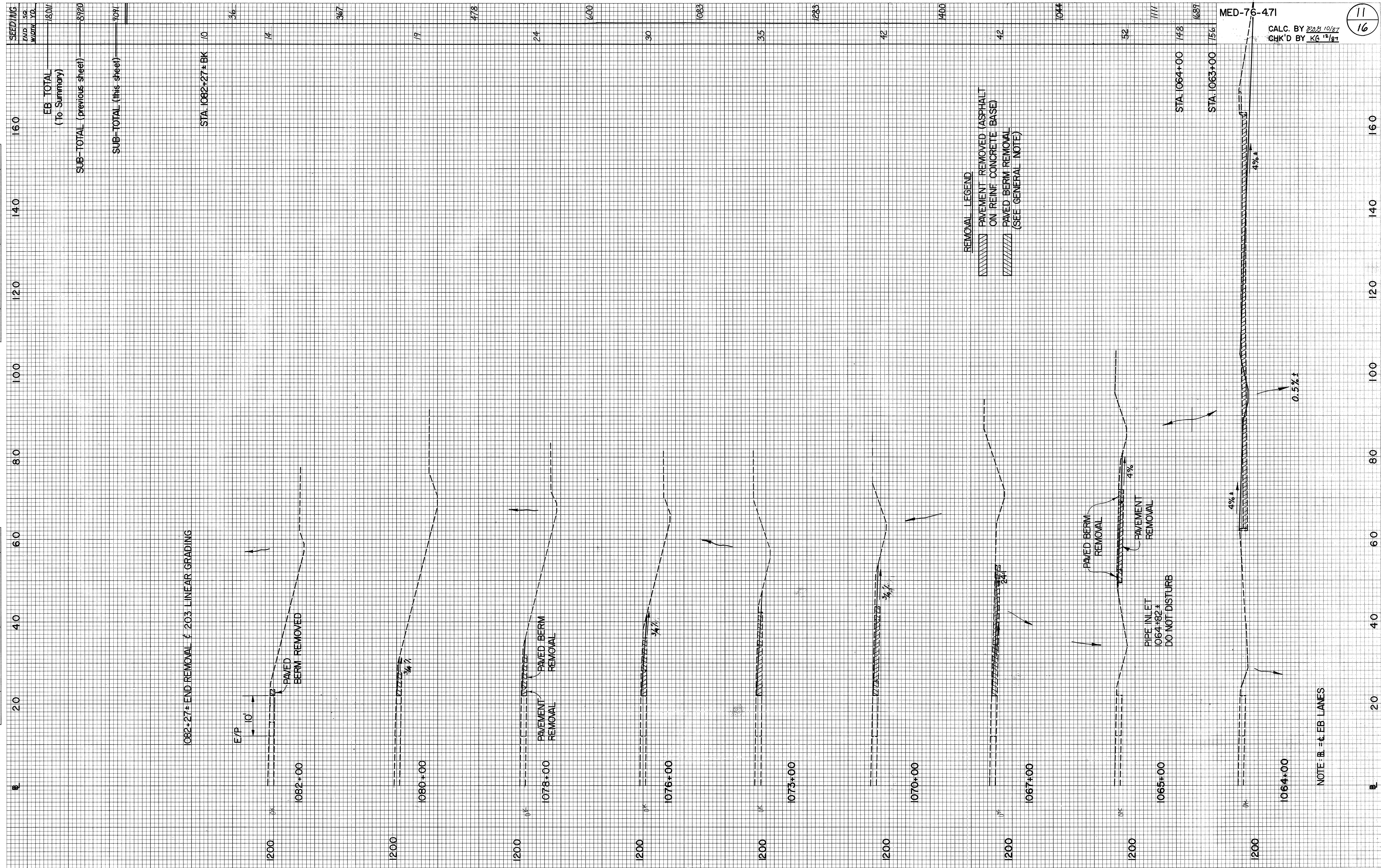
FINAL SURVEY			
NOTE BOOK	SURVEYED PLOTTED TEMPLATE	BY	DATE
NO.	AREAS AREAS CHECKED		



EB CROSS SECTIONS

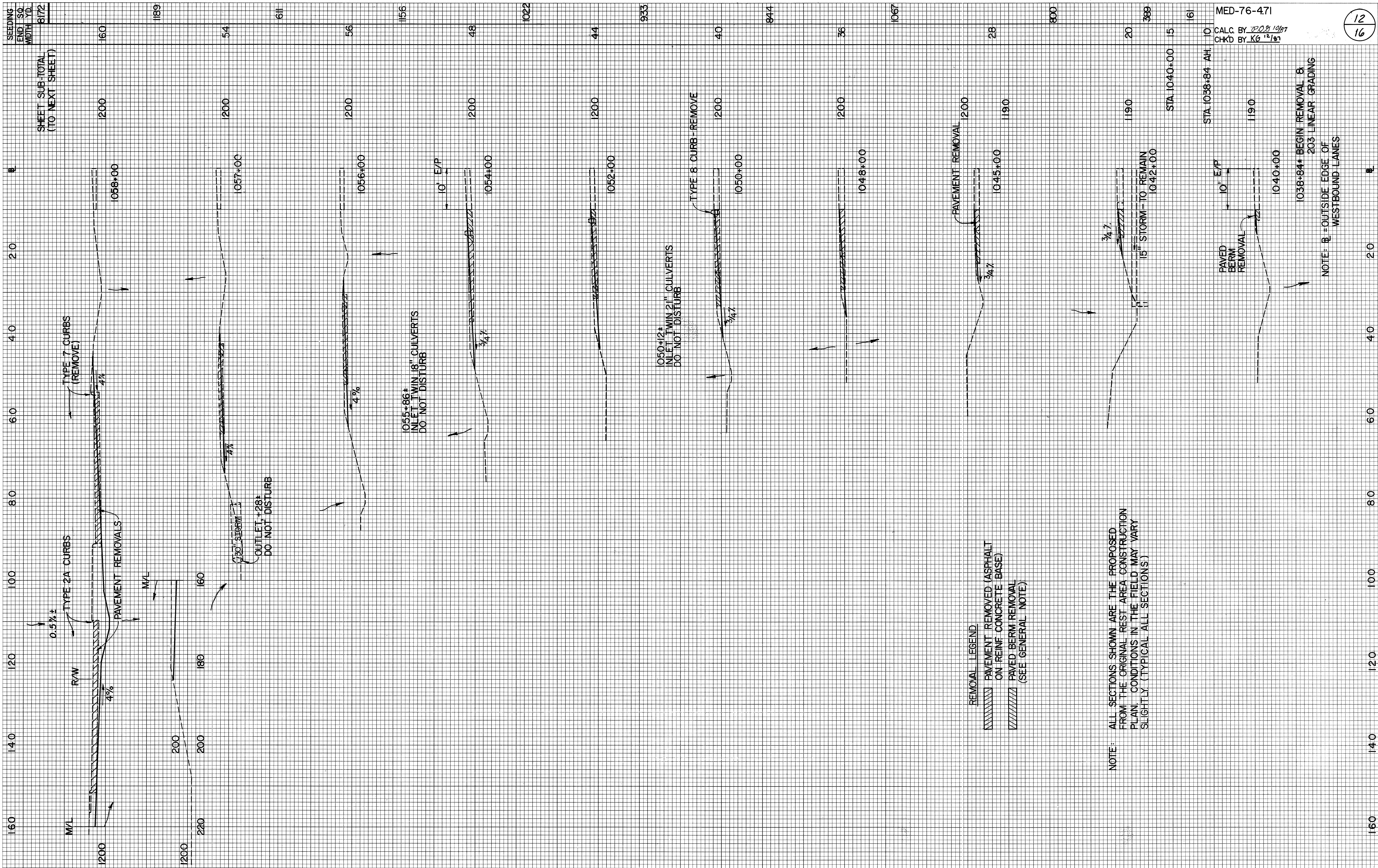
NOTE: $B_L = 4$ EB LANES & 203 LINEAR GRADING

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO. _____	AREAS		
	AREAS CHECKED		



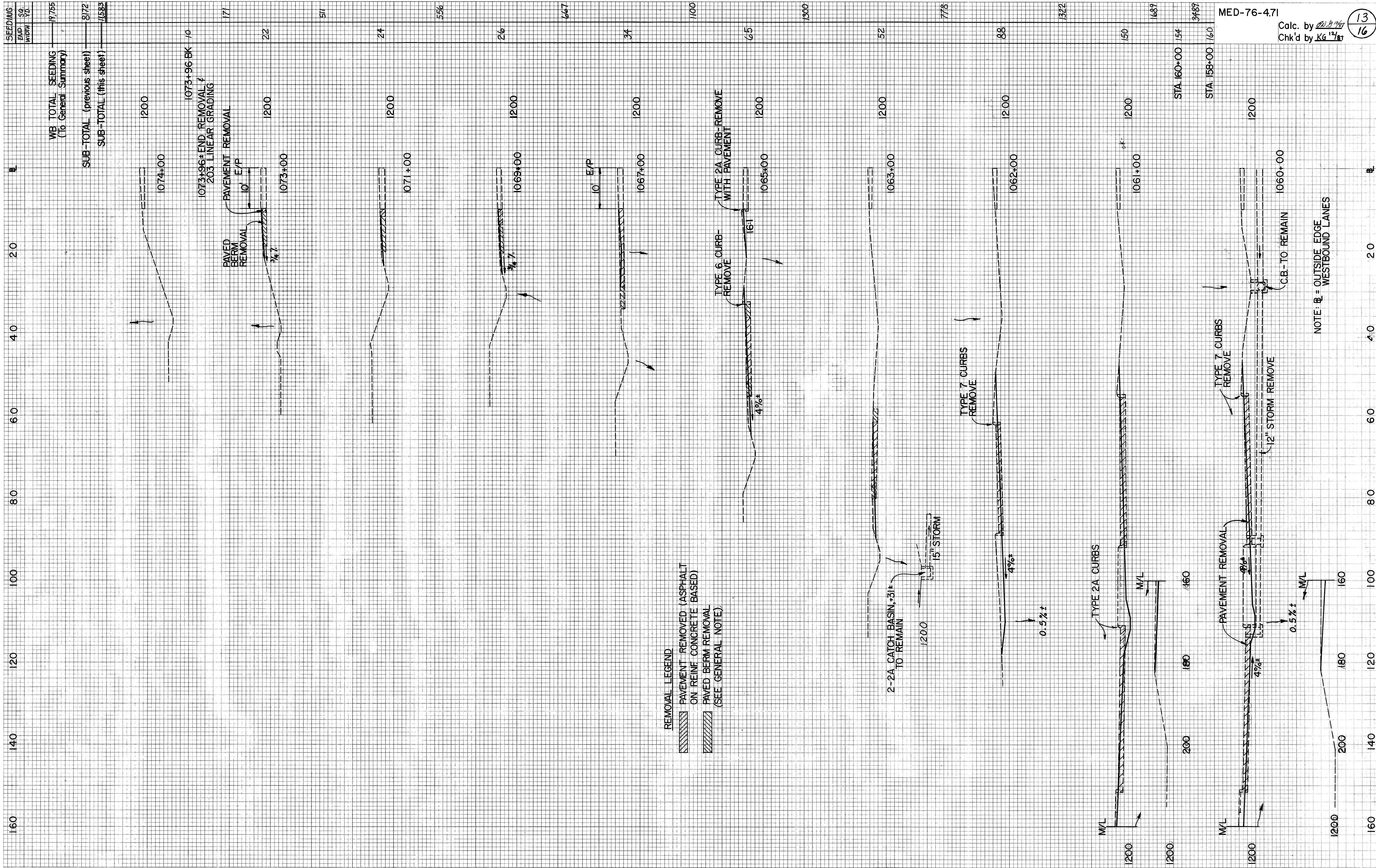
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

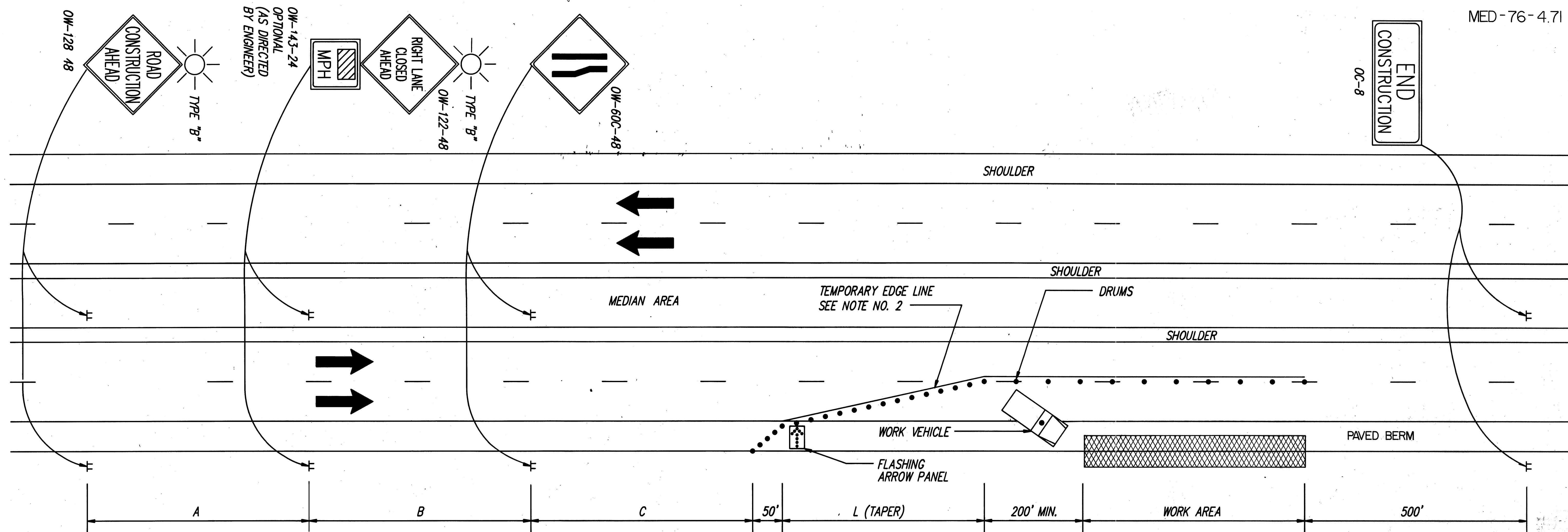
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



ORIGINAL	SURVEY	BY	DATE
NO.	NO.		
NO.	NO.		

FINAL	SURVEY	BY	DATE
NO.	NO.		
NO.	NO.		





- ① THE TAPER LENGTH (L) SHALL BE IN ACCORDANCE WITH SECTION 7F-17 OF THE OMUTCD. THE LOCATION OF THE TRANSITION TAPER AND LOCATION OF THE ADVANCE WARNING SIGNS SHOULD BE ADJUSTED TO PROVIDE FOR ADEQUATE SIGHT DISTANCE FOR THE EXISTING VERTICAL AND HORIZONTAL ROADWAY ALIGNMENT. IN ORDER TO DETERMINE THE MINIMUM NUMBER OF CHANNELIZING DEVICES FOR THE TRANSITION TAPER SEE TABLE 7-5 OMUTCD. FOR A 55 MPH PREVAILING SPEED AND A 12 FT. LANE, NOT LESS THAN THIRTEEN (13) DRUMS SHALL BE USED TO FORM THE LANE TRANSITION TAPER IN ADVANCE OF THE WORK AREA. NOT LESS THAN FIVE (5) DRUMS SHALL BE USED TO FORM THE TAPER ON THE SHOULDER. DRUMS SHALL BE SPACED AT 50' CENTER TO CENTER ALONG THE WORK AREA. CONES HAVING A MINIMUM HEIGHT OF 28 INCHES MAY BE SUBSTITUTED FOR DRUMS FOR DAY TIME LANE CLOSURES. PROVISIONS SHALL BE MADE TO STABILIZE THE CONES TO PREVENT THEM FROM BLOWING OVER. IF THIS CANNOT BE ACHIEVED, DRUMS SHALL BE USED.
- ② IF THE CONSTRUCTION OPERATION REQUIRES THE LANE CLOSURE FOR MORE THAN ONE DAY, THEN THE EXISTING CONFLICTING PAVEMENT MARKINGS AND REFLECTORS FROM THE RAISED PAVEMENT MARKERS SHALL BE REMOVED AND THE APPROPRIATE COLOR TEMPORARY EDGE LINES SHALL BE APPLIED. PAVEMENT MARKING TAPE MAY BE USED. AFTER COMPLETION OF THE WORK, TEMPORARY MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH 621.134 AND THE ORIGINAL MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS SHALL BE RESTORED.
- ③ THE MAJOR STANDARD LEVEL (36") WARNING SIGNS MAY BE USED ON DIVIDED STREETS OR HIGHWAYS THAT ARE NOT CLASSIFIED AS FREEWAYS OR EXPRESSWAYS.

- ④ WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY, AN OW-143-48 SIGN(S) SHALL BE SUBSTITUTED FOR THE OW-122-48 SIGN(S) AND AN OW-60D-48 SIGN(S) SHALL BE SUBSTITUTED FOR THE OW-60C-48 SIGN(S). NOTE NO.2 IS APPLICABLE FOR THIS CLOSURE ALSO.
- ⑤ THE WORK VEHICLE SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER WORKERS ARE IN THE WORK AREA. THIS WORK VEHICLE SHALL BE REMOVED FROM THE PAVEMENT WHENEVER WORKERS ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE WORK VEHICLE SHOWN WHEN APPROVED BY THE ENGINEER. THE VEHICLE SHALL BE EQUIPPED WITH A 360° ROTATING OR FLASHING AMBER BEACON CLEARLY VISIBLE FOR A MINIMUM OF ONE-QUARTER (1/4) MILE. A TRUCK MOUNTED IMPACT ATTENUATOR MAY BE EMPLOYED.
- ⑥ THE FLASHING ARROW PANEL SHALL MEET THE REQUIREMENTS OF STANDARD DRAWING TC-35.10.
- ⑦ TYPE "C" STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS FOR NIGHT LANE CLOSURES. THE MAXIMUM SPACING SHALL BE IDENTICAL TO THE CHANNELIZING DEVICE SPACING REQUIREMENTS DESCRIBED IN NOTE 1.
- ⑧ THE TYPE "B" FLASHING BARRICADE WARNING LIGHTS SHOWN ON THE "ROAD CONSTRUCTION AHEAD" AND THE "ONE LANE ROAD AHEAD" SIGNS ARE REQUIRED WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.

- ⑨ THE OC-8 SIGNS ARE ONLY REQUIRED FOR LANE CLOSURES OF MORE THAN ONE DAY AND MAY BE OMITTED IF IT FALLS WITHIN THE LIMITS OF A CONSTRUCTION PROJECT.
- ⑩ SOME WORK AREA LOCATIONS MAY REQUIRE MORE THAN JUST STATIC OR CONVENTIONAL SIGNS TO ENHANCE COMMUNICATION WITH THE DRIVER. AT THESE LOCATIONS PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) UNITS ARE RECOMMENDED. THESE DEVICES SHOULD BE LOCATED APPROXIMATELY 2000 FEET IN ADVANCE OF A LANE CLOSURE OR OTHER POINT OF REQUIRED ACTION. SEE SECTION 7G-8.1, OMUTCD FOR FURTHER GUIDANCE ON USE OF PCMS UNITS. THESE UNITS, IF REQUIRED, WILL BE SPECIFICALLY CALLED FOR IN THE PLANS AND PAID FOR SEPARATELY.
- ⑪ PAYMENT FOR ALL OF THE ABOVE, UNLESS ITEMIZED SEPARATELY, SHALL BE INCLUDED IN "ITEM 614 - MAINTAINING TRAFFIC".

MINIMUM DISTANCE	A	B	C
	FEET	FEET	FEET
MAJOR STANDARD	500	500	500
URBAN FREEWAY AND EXPRESSWAY	500 to 1000	500 to 1000	500 to 1000
RURAL FREEWAY AND EXPRESSWAY	2600	1600	1000

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

**CLOSING ONE LANE
of a
FOUR-LANE DIVIDED HIGHWAY**

REV.
6/87

DRAWN

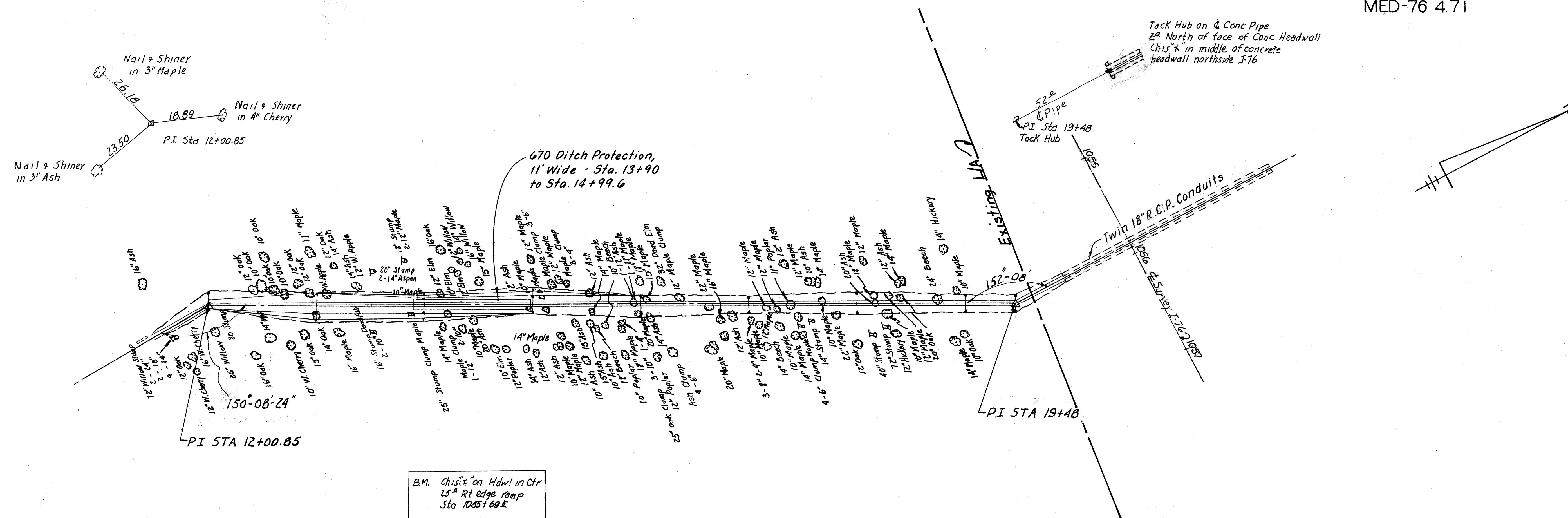
DATE 12/82
STANDARD DRAWING D3-4

Calc. by: R.L. 12/83
 Chkd. by: ROD 2/88

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

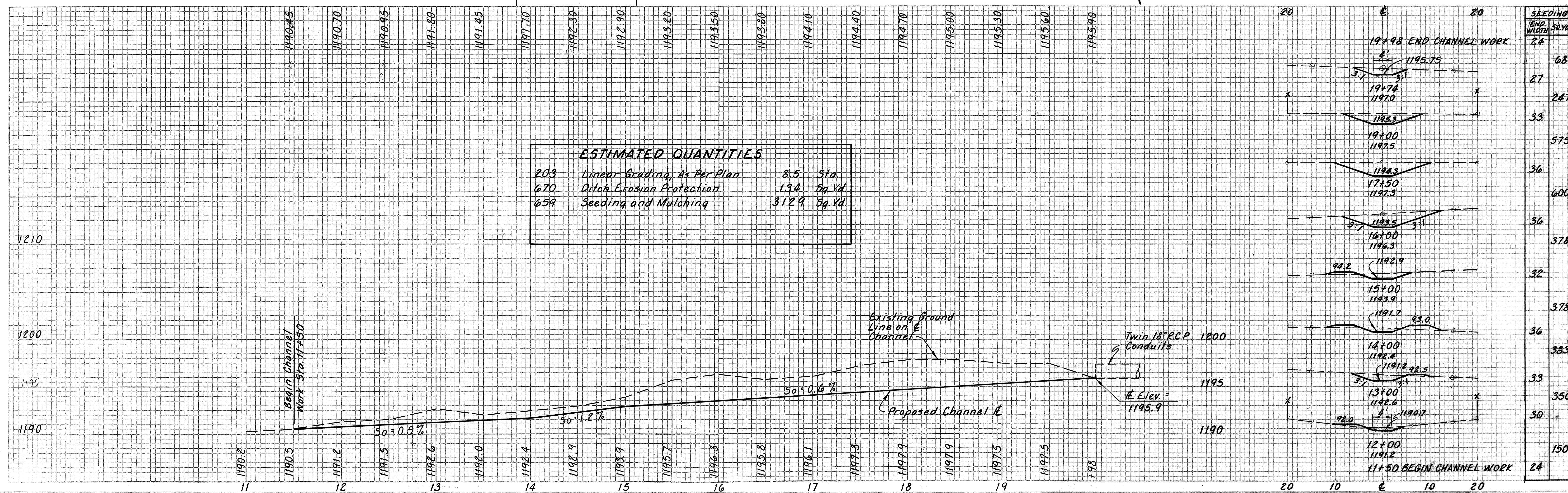
15
16

MED-76 4.71



B.M. Chis's on Hdwl in Ctr
 25' Rt edge ramp
 Sta 1055+69.2

ESTIMATED QUANTITIES			
203	Linear Grading, As Per Plan	8.5	Sta.
670	Ditch Erosion Protection	134	Sq. Yd.
659	Seeding and Mulching	3129	Sq. Yd.



OUTLET CHANNEL FOR CULVERT STA 1055+88

SUMMARY OF ADDITIONAL RIGHT OF WAY REQUIRED

[illegible]

TYPE FUNDS - STATE	
PLAN COMPLETED 1-6-84	
REVISION DATE	DESCRIPTION

