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BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.

SCALE

LOTS & ALLEYS

STREET WIDTH

VERTICAL

SUPPLEMENTARY DETAILS
C-4378 THROUGH C-4395

DATE REVISIONS

QUANTITIES	ESTIMATED	
	LOTS	CITY
EXCAVATION CU.YDS.		
PAVEMENT REMOVAL SQ.YDS.		
CURB REMOVAL LFT.		
FILL		
ADJUST MANHOLES		
MANHOLES		
CATCH BASIN ADJUST		
CATCH BASIN STANDARD NEW		
12" SEWER PIPE LFT.		
PAVING SQ.YDS.		

QUANTITIES	ESTIMATED	
	LOTS	CITY
PAVING SQ.YDS.		
PAVING CURB SQ.YDS.		
CURB-TYPE II		
TEST CORES EACH		
SIDEWALK 4" STANDARD SQ.FT.		
CONCRETE DRIVE		
TREE REMOVAL 4"-12" DIA.		
TREE REMOVAL 13"-18" DIA.		

ASSIGNMENT NO. AO 1633

BOOK NO. PG. LEVEL DATE

LOTS 2L LENGTH

CITY 2L LENGTH

TOTAL LENGTH

DATE OF DRAW'G. 11-30-65

DRAINAGE COMPLETED

PAVING COMPLETED Accepted C.C. 10-17-67

MADE BY: D.G.U. CHECKED BY: R.C.M.

PLAN PROFILE GRADE

SEWER APPROVED

ESTIMATE

FINAL CHECK R.C.M. N.J.K.

APPROVED: J. Erickson

ENGINEER OF STREETS

ASST. CITY ENGINEER: D. Palmer

INDEX NO. 5

TOPO NO. 30

INDEXED

STREET PAVING PLAN
CITY OF DETROIT
UNIV. CITY REHABILITATION PROJECT NO. 1 MICH. R-
DEPARTMENT OF PUBLIC WORKS-CITY ENGINEERS

NAME OF STREET SERVICE DRIVE

FROM TO QUANTITY SHEET

TYPE OF PAVEMENT ONE COURSE CONCRETE-INTEGRAL CURB UNIFORM AT STREET INTERSECTION EXCEPT AS NOTED

PET. NO. BY DATE

NOTE FOR SYMBOLS (A) ETC., SEE STANDARD DETAIL DRAWING C-1373

BENCH MARKS

Item No.	DESCRIPTION OF ITEM	PAY UNIT	QUANTITIES		Lump Sum
			SHEET 16	SHEET 17 TOTALS	
49	One 3" Concrete-Encased Type I Fibre Duct	Lft.	132	349	481
50	Two 3" Concrete-Encased Type I Fibre Duct	Lft.	90	60	150
51	Six 3" Concrete-Encased Type I Fibre Duct	Lft.	—	1450	1450
52	One 3" Concrete-Encased Type I Fibre Duct (Under Pavement)	Lft.	88	16	104
53	Handhole (P.L.C.) Adjustment	Each	4	1	5
54	Manhole (P.L.C.) Adjustment	Each	5	2	7
55	2-Way No. 1 Manholes	Each	—	5	5
56	3-Way No. 1 Manholes	Each	—	1	1
57	Street Type "D" Handhole	Each	—	6	6
58	Removing Post Foundations	Each	8	6	14
59	Removing Manholes	Each	—	1	1
60	Street Lighting Non-Combination Post Foundation	Each	8	13	21
61	Street Lighting Combination Post Foundation	Each	—	2	2
62	Traffic Signal Pedestal Post Foundation	Each	—	2	2
63	Traffic Signal Mast Arm Post Foundation	Each	—	1	1
64	Pedestrian Bridge Extension	Lump Sum	—	—	—

MADE BY	CHECKED BY
<i>D. G. M.</i>	<i>E. G. M.</i>
PLAN	
PROFILE	
GRADE	
SEWER APPROVED	
ESTIMATE	
DATE - 11-30-65	
APPROVED	
<i>J. Erickson</i>	
ENGINEER OF STREETS	
<i>M. J. Rosen</i>	
ASSISTANT CITY ENGINEER	
<i>Clyde K. Palmer</i>	
CITY ENGINEER	

INDEXED	
30	
TOPO NO.	
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NDX NO.	

STREET PAVING PLAN
CITY OF DETROIT
 UNIV. CITY REHABILITATION PROJECT NO. 1 MICH. R-53
 DEPARTMENT OF PUBLIC WORKS - CITY ENGINEERS OFFICE

NAME OF STREET SERVICE DRIVE

QUANTITY SHEET

Item No.	DESCRIPTION OF ITEM	PAY UNIT	SHEET #5	SHEET #6	SHEET #7	SHEET #8	SHEET #9	TOTAL
1	Excavation	Cyds.	1074	1135	234	699	1353	4495
2	Berm Grading	Syds.	500	500	348	519	1441	3308
3	Street Pavement Removal	Syds.	124	56	130	47	202	459
4	Reinforced Street Pavt Removal	Syds.	147	167	98	58	341	811
5	Alley Pavement Removal	Syds.	67	36	22		467	592
6	Remove Existing Concrete Base	Syds.						85
7	Curb Removal	Lft.	478	117		457	48	1100
8	Curb and Gutter Removal	Lft.	12	324	320		26	644
9	Foundation Removal	Cyds.		19				57
10	Reinforced Curb & Gutter Removal	Lft.				100	240	340
11	Remove and Replace Salvaged Fence	Lft.	220					220
12	Driveway Removal	sft.	75					75
13	Sidewalk Removal	sft.	3995	4126	2339	3745	2589	16794
14	Fill - (Grade A)	Cyds.	428	467	19		263	1194
15	Fill - (22A) or 22A Mod.	Cyds.					78	78
16	Tree and Stump Removal 4" - 12" Dia.	Each	7			1	4	12
17	" " " " 13" - 18" Dia.	Each	1	1		2	1	5
18	" " " " 20" Dia.	Each		1		2		3
19	" " " " 24" Dia.	Each				1		1
20	" " " " 28" Dia.	Each						1
21	" " " " Dia.	Each						
21	Resetting Manholes	Each						9
22	Manhole Adapters	Each						8
23	Resetting Catch Basins - ALL TYPES	Each						4
24	Catch Basin Adapters	Each						3
25	Manhole (Water), Adjustment	Each		2	2			6
25	Manhole - Reconstruct Cone	Each						
26	Manhole - Standard, New	Each				1	1	2
27	Manhole - Drop, New	Each	1					1
28	Manhole - (Sewer), Abandonment	Each		1			2	3
29	Catch Basin - Adjustment	Each					1	1
30	Catch Basin - New	Each	4	2	1	2	4	13
31	Catch Basin - Abandonment	Each	5		2	3	2	12
32	Sewer - 8" Pipe	Lft.				90		90
33	Sewers Under Pavement - 12" Pipe	Lft.	70	10	15			95
34	Sewers - 12" Pipe	Lft.	30	25	20	25	155	255
	Sewers Under Pavement - 15" Pipe	Lft.						
	Sewer - 18" Pipe	Lft.						
	Sewer -	Lft.						
	Paving - 6" Uniform	Syds.						
	Paving - 8:6:8*	Syds.						
	Paving - 8" Uniform*	Syds.						
35	Paving - 10:8:10 Modified*	Syds.	804	747	550	1006	2205	5312
36	Paving - 10" Uniform*	Syds.					139	139
37	Replacement of Conc. Base with Grade A Conc.	Syds.						85
38	Strapping Exist. Pavt.	Syds.						375
	Separate Curb - Type II	Lft.						
39	Test Cores	Each	3	2	2	2	4	13
40	Sidewalks - 4" Standard**	sft.	3648	3600	2403	3740	4560	17951
	Top Soil	Cyds.						
	Sodding	Syds.						
41	Maintaining Traffic	Lump Sum						
42	Steel Beam Barricade	Lft.						
	Salvage & Relocate Existing Grate Drain	Each						
	Special Wood Barricade	Each						
43	Temporary Street Barricades - Length	Each						
44	Driveways - 6" Standard	sft.						100
44	Driveways - 8" Standard	sft.						100
45	Clean & Condition Existing Pavement	Syds.						7782
46	Bond Coat	Gals						1939
47 N	Surfacing Mixtures in Place (All Natural Aggregates)	Tons						567
	(a) Fine Binder Course	Tons						811
	(b) Wearing Surface - 31A	Tons						
48 S	Surfacing Mixtures in Place (All Slag Aggregates)	Tons						533
	(a) Fine Binder Course	Tons						764
	(b) Wearing Surface - 31A	Tons						

* Includes Type III Curbs, See Std. Drawings C-4380 or C-4361

** Construction Only

NOTE - Numbered Items Only are Part of This Contract.

NOTE - Levels will be retaken and quantities recomputed after buildings have been removed and before construction begins.

BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.

SCALE

LOTS & ALLEYS

STREET WIDTH

VERTICAL

SUPPLEMENTARY DETAILS
C-437B THROUGH C-4395

DATE REVISIONS

QUANTITIES	ESTIMATED	
	LOTS	CITY
EXCAVATION CU.YDS.		
PAVEMENT REMOVAL SQ.YDS.		
CURB REMOVAL LFT.		
FILL		
ADJUST MANHOLES		
MANHOLES		
CATCH BASIN ADJUST		
CATCH BASIN STANDARD NEW		
12" SEWER PIPE LFT.		
PAVING SQ.YDS.		

QUANTITIES	ESTIMATED	
	LOTS	CITY
PAVING SQ.YDS.		
PAVING UNIT SQ.YDS.		
CURB TYPE II LFT.		
TEST CORES EACH		
SIDEWALK 4" STANDARD LFT.		
CONCRETE DRIVE		
TREE REMOVAL 4"-12" DIA.		
TREE REMOVAL 13"-18" DIA.		

ASSIGNMENT NO. AO 1633

BOOK HOLL30C-Pg. 1-41

LEVEL DATE FEB 1965

LOTS 2L LENGTH

CITY 2L LENGTH

TOTAL LENGTH

DATE OF DRAW'G. 11-30-65

DRAINAGE COMPLETED

PAVING COMPLETED Accepted C.C. 10-17-67

MADE BY R.E.P. CHECKED BY E.C.M.

PLAN PROFILE GRADE

SEWER APPROVED

ESTIMATE

FINAL CHECK N.J.K.

APPROVED

J. Erickson ENGINEER OF STREETS

W. J. Legen 7/66 ASST. CITY ENGINEER

Clayton L. Palmer CITY ENGINEER

INDEX NO. 5

TOPO NO. 30

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STREET PAVING PLAN
CITY OF DETROIT
UNIVERSITY CITY REHABILITATION PROJ. NO. 1
DEPARTMENT OF PUBLIC WORKS-CITY ENGINEER

NAME OF STREET SERVICE DRIVE

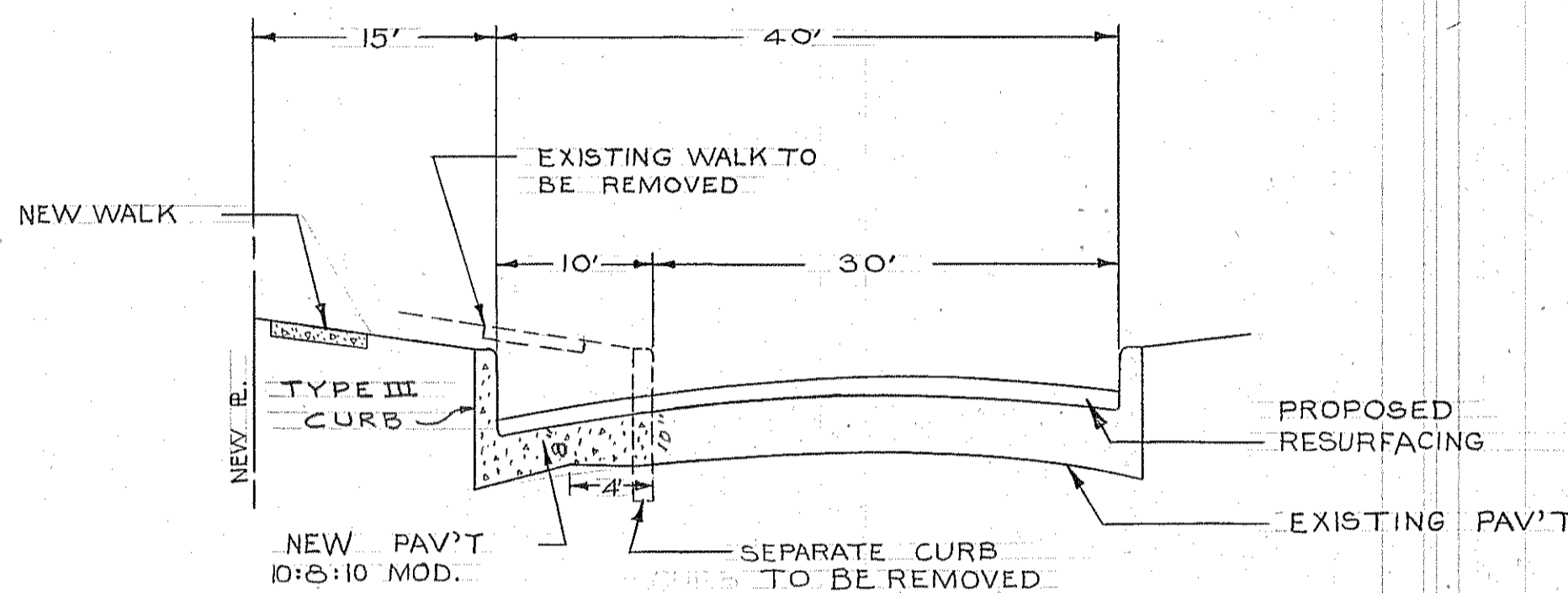
FROM TYPICAL SECTION

TO

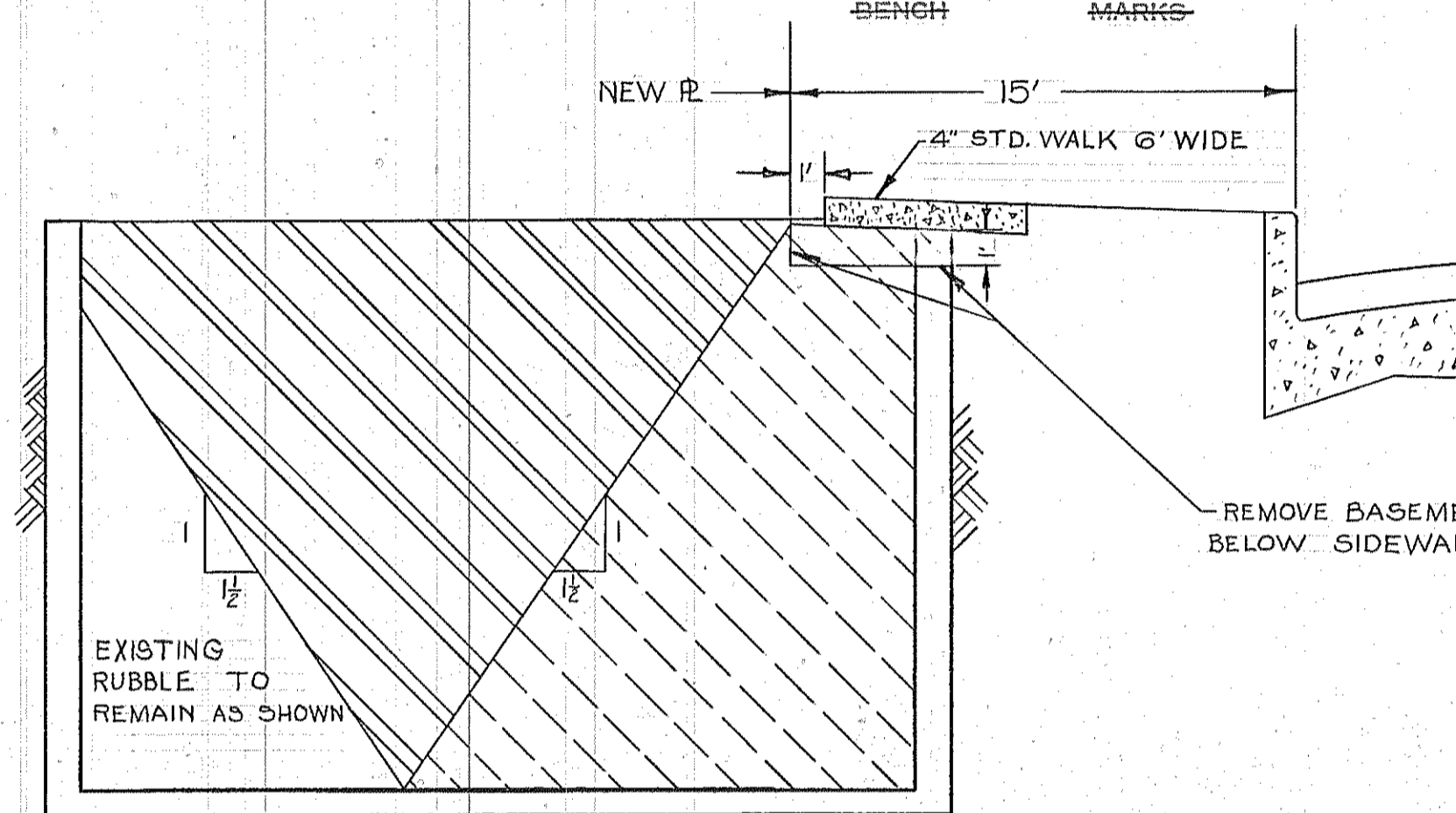
TYPE OF PAVEMENT ONE COURSE CONCRETE-INTEGRAL CURB
UNIFORM AT STREET INTERSECTION EXCEPT AS

PET. NO. BY

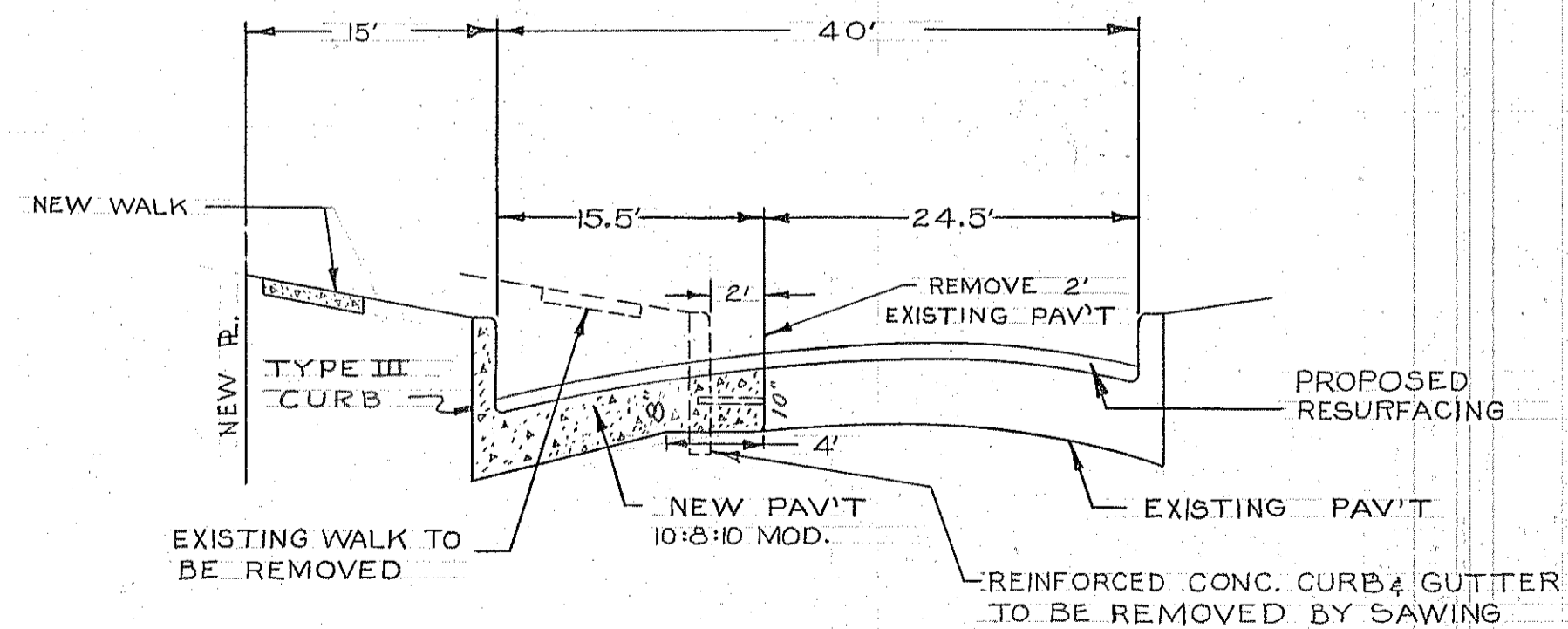
NOTE - FOR SYMBOLS (A) ETC., SEE STANDARD DETAIL DRAWING



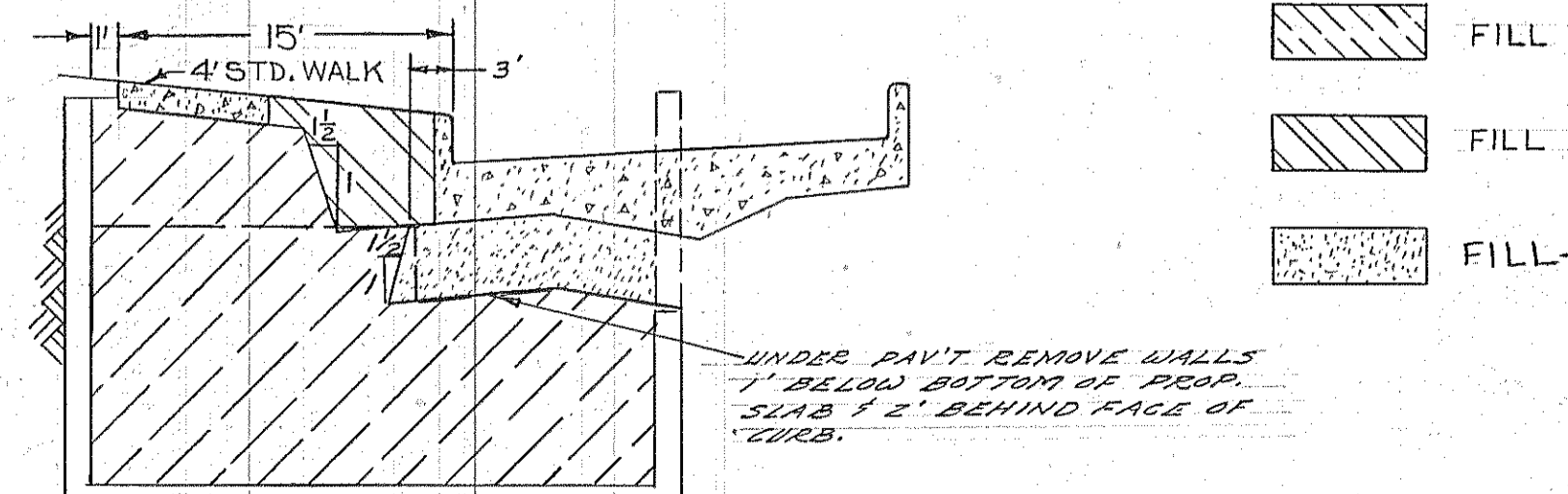
TYPICAL SECTION
STA. 1+83 TO STA. 7+75
NO. SCALE



FILL IN BASEMENT SECTION
NO. SCALE



TYPICAL SECTION
STA. 20+84.5 TO STA. 25+00



FILL IN BASEMENT SECTION
NO. SCALE

- FILL T
- FILL E
- FILL-