

PROPOSED IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH AASHTO : "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS. 1994".

**CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS**
IN CO-OPERATION WITH

MICHIGAN DEPARTMENT OF TRANSPORTATION

CONTROL SECTION NO. M 82400
JOB NO. 50049 A

FHWA REGION	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MICH				
STREET	CITY	COUNTY	TWP	SHEET NO.	TOTAL SHEETS

TRAFFIC VOLUME	CURRENT	2020.
ADT	3,000	8,000
DESIGN SPEED-----	VARIES	
POSTED SPEED-----	25 MPH	

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72 HOURS PRIOR
TO CONSTRUCTION
1-800-482-7171



WIDENING AND
CONSTRUCTION OF THE
1-75 WEST SERVICE DRIVE
FROM BEAUBIEN TO WILKINS

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 - 48 P.L.D. QUANTITY SHEETS

- STANDARD PLANS
- R-28-B SIDEWALK RAMP DETAILS
 - R-29-C DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALKS
 - R-39-D TRANSVERSE PAVEMENT JOINTS
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 - R-43-B LOCATION OF TRANSVERSE JOINTS ON CONCRETE PAVEMENT
 - R-44-B CONCRETE PAVEMENT REPAIR
 - R-45-C CONVENTIONAL PAVEMENT REINFORCEMENT
 - R-83-A UTILITY TRENCHES
 - R-100-B SODDING AND SEEDING
 - R-125-A LIGHTED ARROWS AND BARRICADES
 - R-126-A PLACEMENT OF TEMPORARY CONCRETE BARRIER

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 1996 STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

CONTRACT FOR G.. DS.. P. & UTILITIES

LOCAL AUTHORITY APPROVAL
CITY OF DETROIT
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

APPROVED BY _____ HEAD ENGINEER _____ DATE _____

APPROVED BY _____ CITY ENGINEER _____ DATE _____

PREPARED UNDER SUPERVISION OF

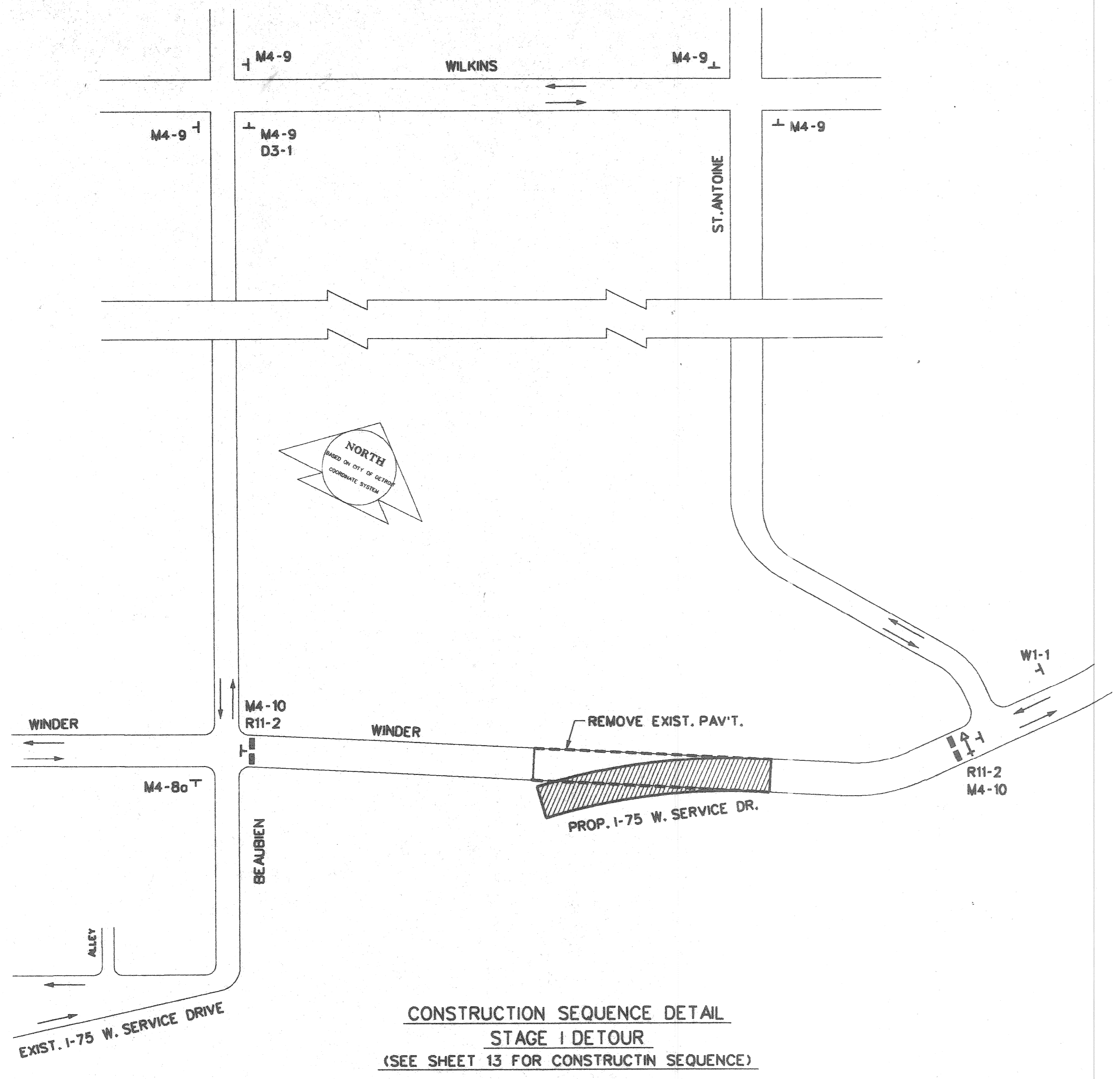
REGISTERED PROFESSIONAL ENGINEER REGISTRATION NO. _____

CITY OF DETROIT
ORGANIZATION

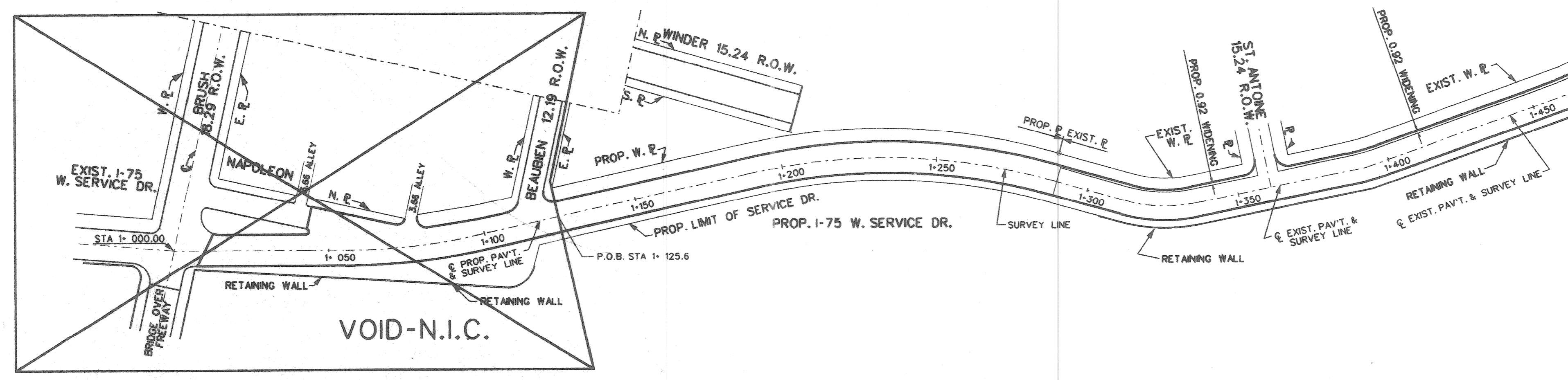
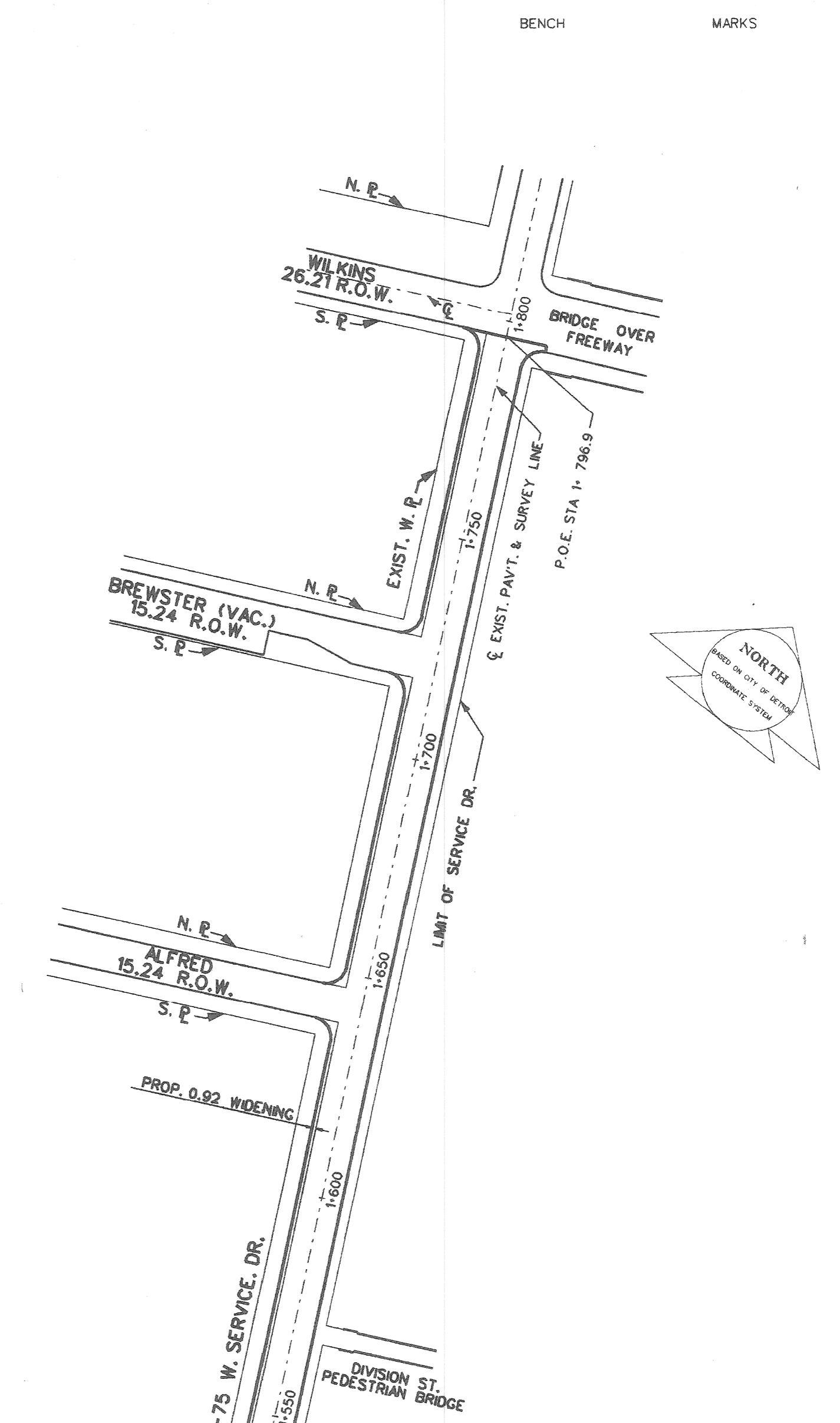
DETROIT, MICHIGAN
ADDRESS

(SEAL)

CONTROL SECTION NO. M 82400 JOB NO. 50049 A



CONSTRUCTION SEQUENCE DETAIL
 STAGE I DETOUR
 (SEE SHEET 13 FOR CONSTRUCTION SEQUENCE)



SCALE: 1:1000

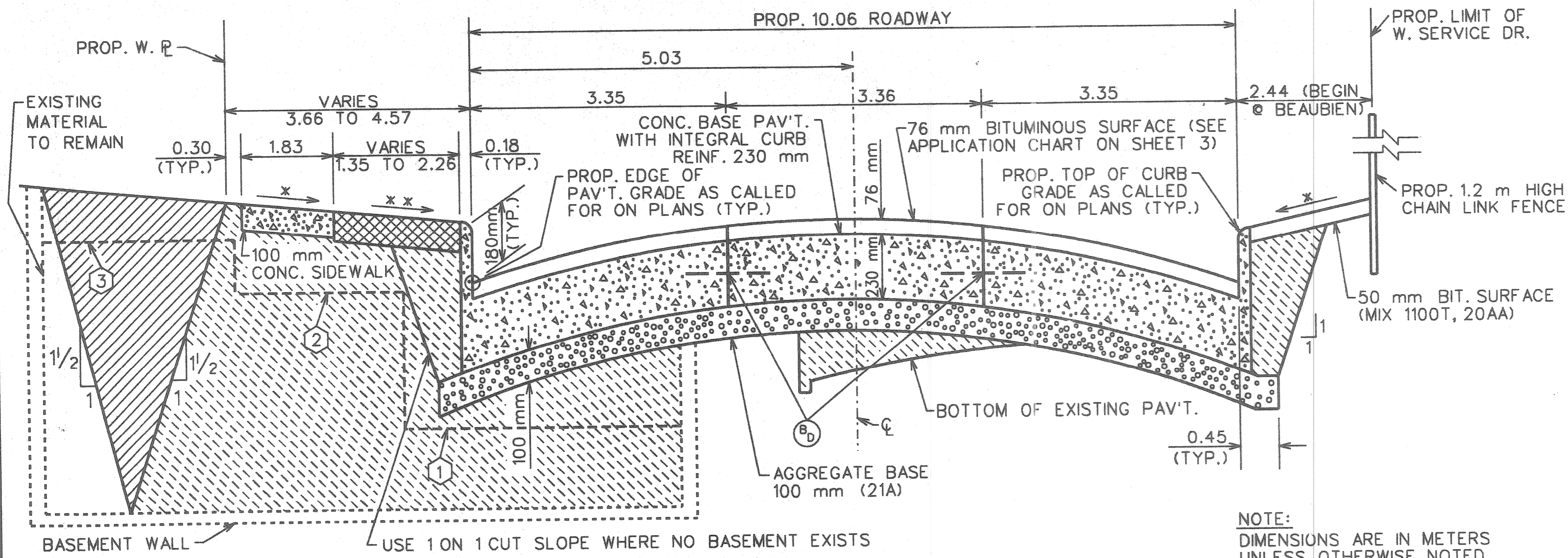
DESCRIPTION	PLAN	BY	CHECKED BY	APPROVED
	GRADE	K.M.	N.W.	
	ESTIMATE			
	REVISIONS	FINAL		

CITY OF DETROIT
 CITY ENGINEERING DIVISION - D.P.W.
 BUREAU OF STREETS AND HIGHWAYS

CONSTRUCTION AND WIDENING OF 1-75 W. SERVICE DR.
 FROM BEAUBIEN TO WILKINS

SITE PLAN

SHEET 2 OF 48 SHEETS
CONTRACT NO.
ASSIGNMENT NO. 99-22-28
DATE JULY, '99

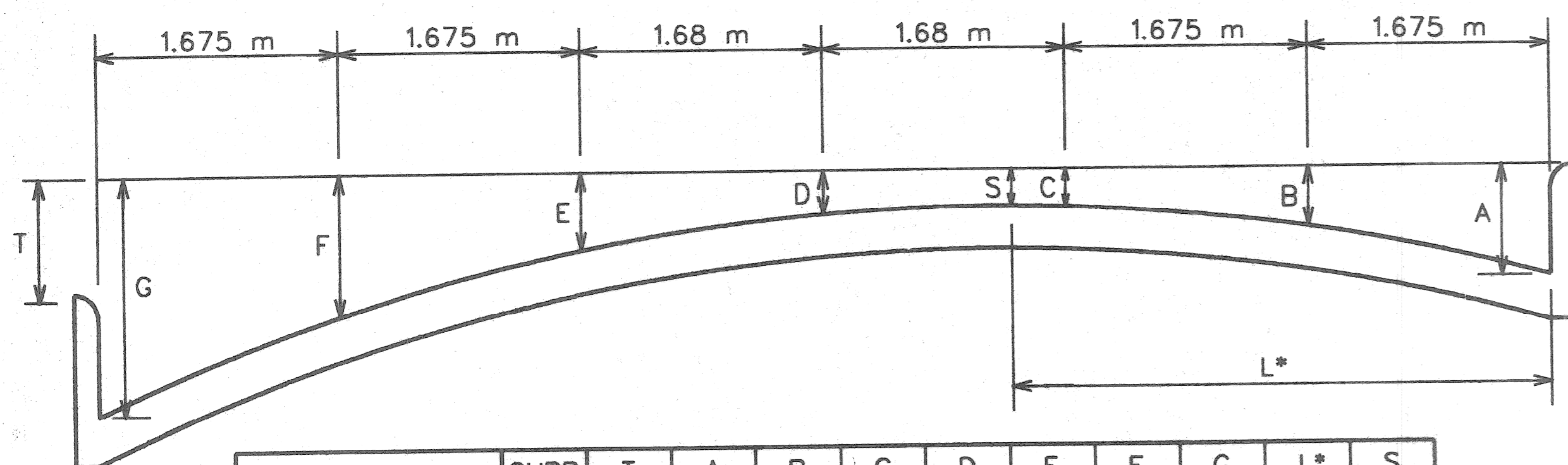


*SLOPE AT 30 mm PER m OR AS DIRECTED BY THE ENGINEER (20 mm PER m MIN., 60 mm PER m MAX.)
 **SLOPE VARIES, 20 mm PER m MIN., 80 mm PER m MAX..

TYPICAL PAVEMENT SECTION FOR I-75 W. SERVICE DR. FROM P.O.B. TO STA. 1+289.85
 NOT TO SCALE

BASEMENT WALL REMOVAL

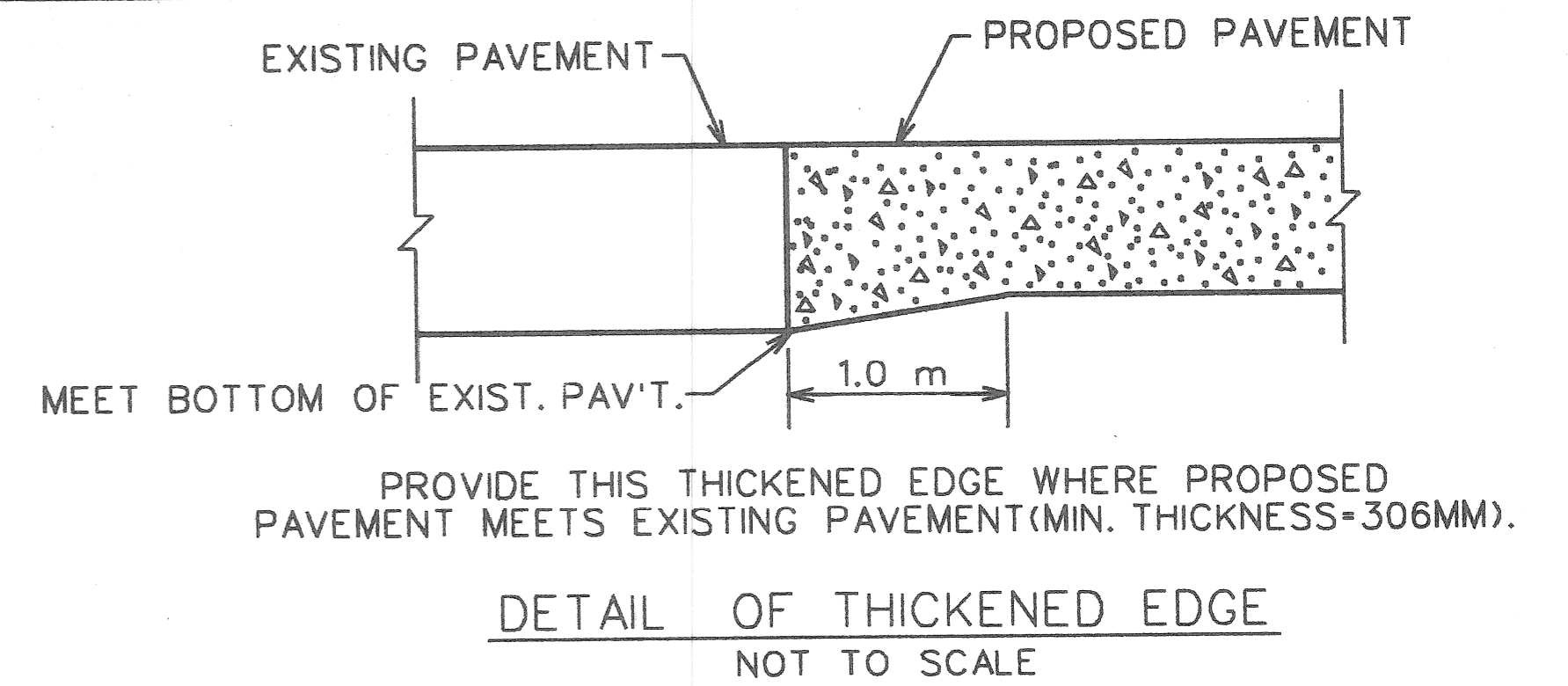
- ① REMOVE WALLS 0.9m BELOW LOWEST POINT OF PROP. PAV'T. SURFACE UP TO 0.6m BEYOND FACE OF CURB
- ② REMOVE WALLS TO BOTTOM OF PROP. PAV'T. SLAB IN MEDIAN AND SIDEWALK AREAS
- ③ REMOVE WALLS TO 0.3m BELOW THE PROP. SURFACE ELEVATIONS IN THESE AREAS



PAVEMENT WIDTH	CURB FACE	T mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	L* m	S mm
10.06 m	180 mm	0	180	122	87	75	87	122	180	5.03	75
		30	180	127	97	90	107	147	210	4.67	89
		60	180	132	107	105	127	172	240	4.31	103
		90	180	137	117	120	147	197	270	3.94	116
		120	180	142	127	135	167	222	300	3.58	127
		150	180	147	137	150	187	247	330	3.21	137
		180	180	152	147	165	207	272	360	2.84	146
		210	180	157	157	180	227	297	390	2.48	154
		240	180	162	167	195	247	322	420	2.11	161
		270	180	167	177	210	267	347	450	1.75	167
		300	180	172	187	225	287	372	480	1.38	172

*DISTANCE FROM FACE OF CURB (ON HIGH SIDE) TO CROWN

ELEMENTS OF A 10.06 m PAVEMENT
 NO SCALE

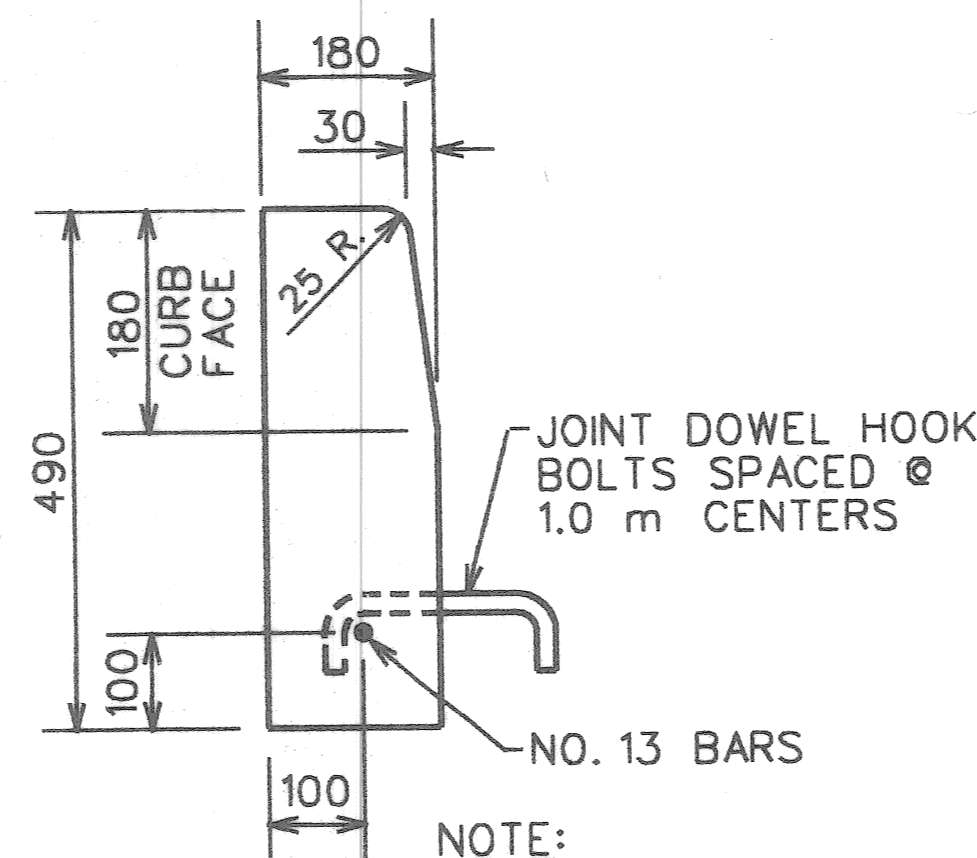


JOINT LEGEND

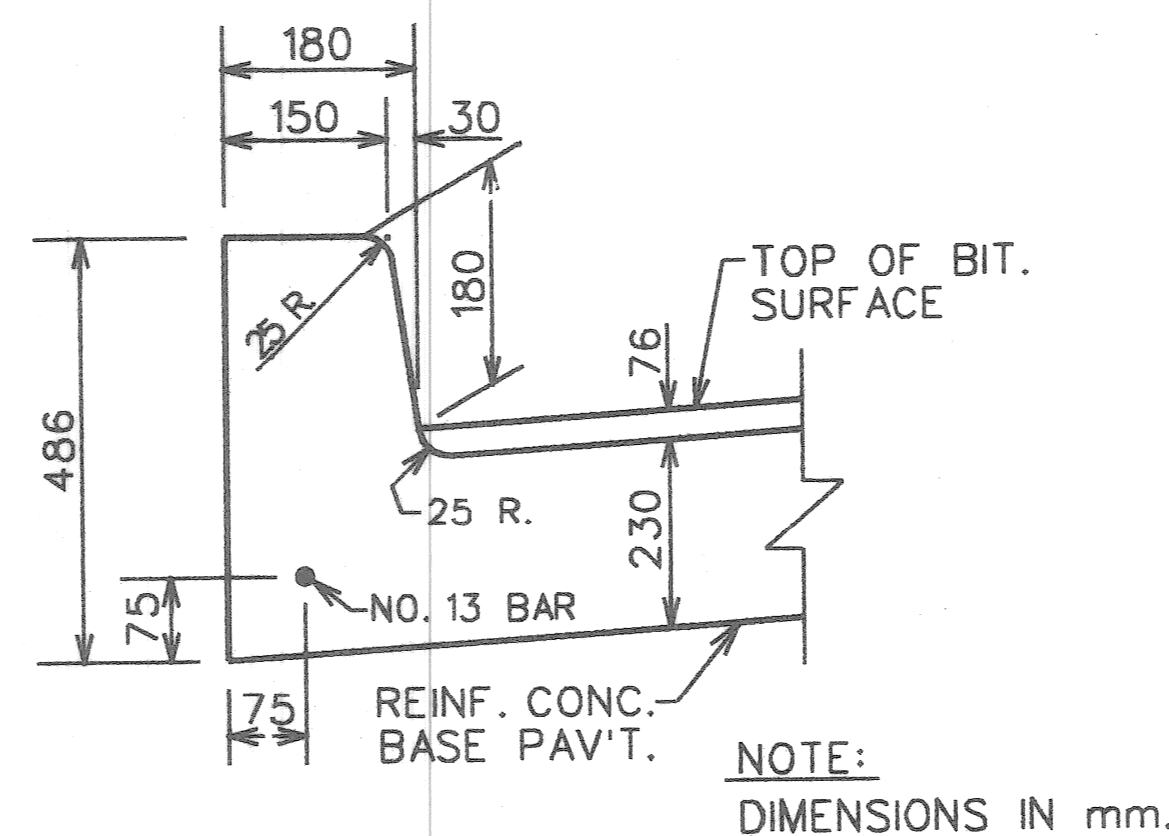
- ⓑ LONGITUDINAL BULKHEAD JOINT, ACCORDING TO M.D.O.T. STD. DWG. R-41-B
- ⓓ LONGITUDINAL LANE TIE JOINT WITH TIE BAR, ACCORDING TO M.D.O.T. STD. DWG. R-41-B
- ⓑⓓ OPTIONAL, B OR D

CROSS-SECTION LEGEND

- SELECTED EXCAVATED MATERIAL
- AGGREGATE BASE - CONCRETE (100 mm IN PLACE) - FILL (21A)
- GRANULAR MATERIAL CLASS II (SEE NOTE *2, SHEET 3.)
- 150 mm TOPSOIL PLUS SEEDING
- PROPOSED BITUMINOUS SURFACE



CONCRETE CURB - DETAIL "X"
 NO SCALE



INTEGRAL CURB DETAIL
 NO SCALE

MISCELLANEOUS QUANTITIES	
MOBILIZATION	1 LUMP SUM
MINOR TRAFFIC DEVICES	1 LUMP SUM
FIELD OFFICE	3 MONTHS
ESTIMATED QUANTITIES FOR USE AT THE DISCRETION OF THE ENGINEER	
REMOVING PAVEMENT (REPAIR)	230 SQ. M.
CONC. PAVEMENT REPAIR, 250 mm, NONREINFORCED	230 SQ. M.
BASEMENT CLEANOUT	20 CU. M.
SUBGRADE UNDERCUTTING, TYPE II	500 CU. M.
100 mm CONCRETE SIDEWALK	25 SQ. M.
REMOVING SIDEWALK	10 SQ. M.
CLEANING EXISTING STORM DRAINAGE STRUCTURES	5 EACH
CLASS "A" SODDING	10 SQ. M.
TOPSOIL SURFACE - 76 mm	1 CU. M.
WATER	5 KL
REMOVING MASONRY & CONCRETE STRUCTURES	10 CU. M.
SEWER CLEANOUT	80 LIN. M.
CEMENT	1 TONS
CONCRETE CURB, DETAIL "CD"	10 LIN. M.
RECONSTRUCTING DRAINAGE STRUCTURE, CASE 1	4 EACH
ADJUSTING DRAINAGE STRUCTURE COVER, CASE 2	1 EACH
STRUCTURE COVER	500 Kg.
STANDARD STREET BARRICADE	1 EACH

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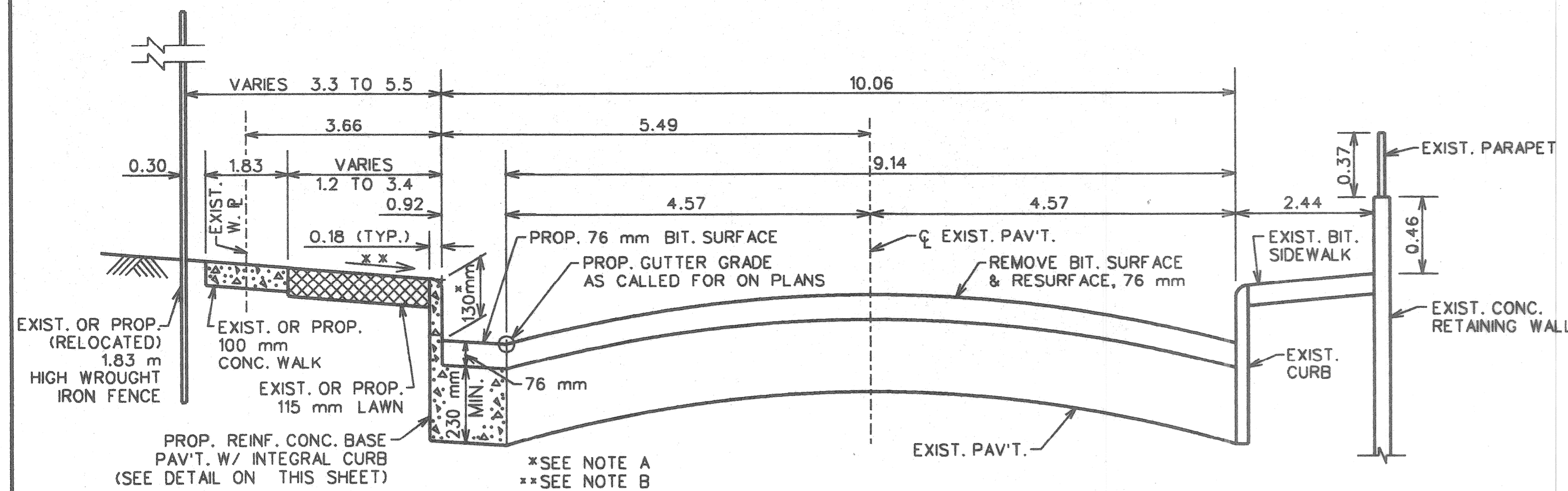
DESCRIPTION	DATE	BY	CHECKED BY	APPROVED
PLAN		C.M., J.P.	N.W.	
GRADE				
ESTIMATE		A.A.		
FINAL				

CITY OF DETROIT
 CITY ENGINEERING DIVISION - D.P.W.
 BUREAU OF STREETS AND HIGHWAYS

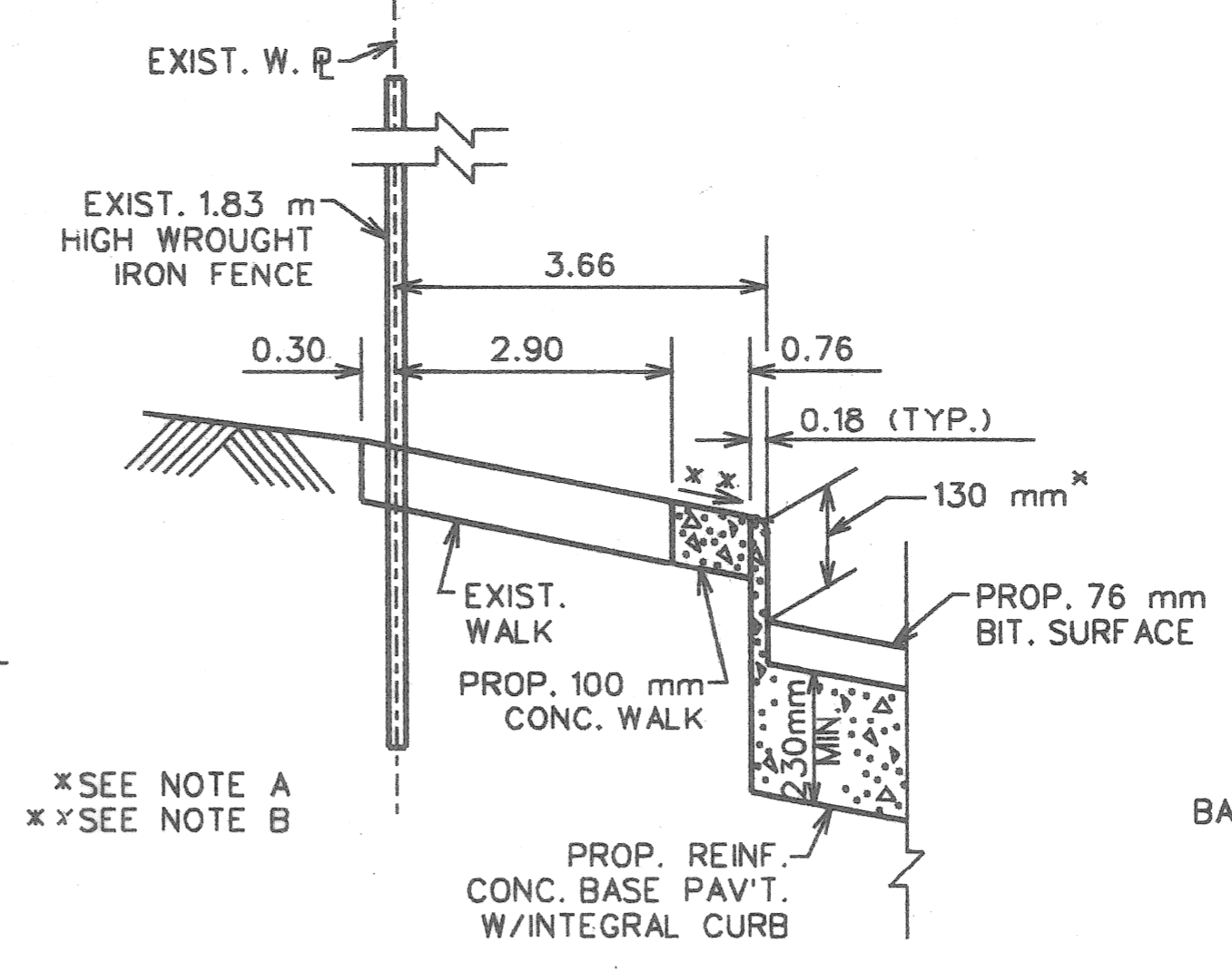
CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR.
 FROM BEAUBIEN TO WILKINS

TYPICAL CROSS-SECTIONS

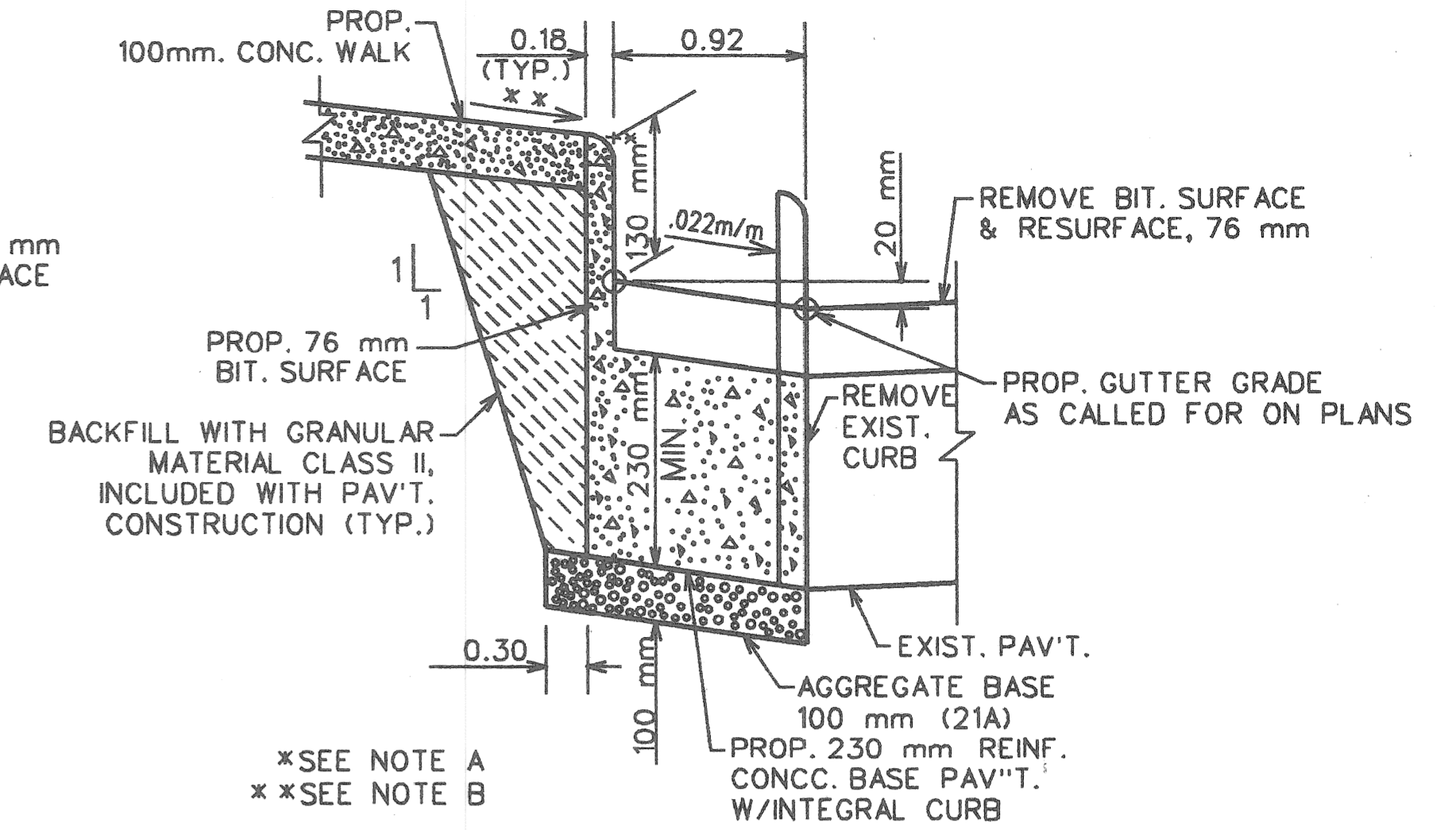
SHEET 3 OF 48 SHEETS
CONTRACT NO.
ASSIGNMENT NO. 99-22-28
DATE JULY, 1999



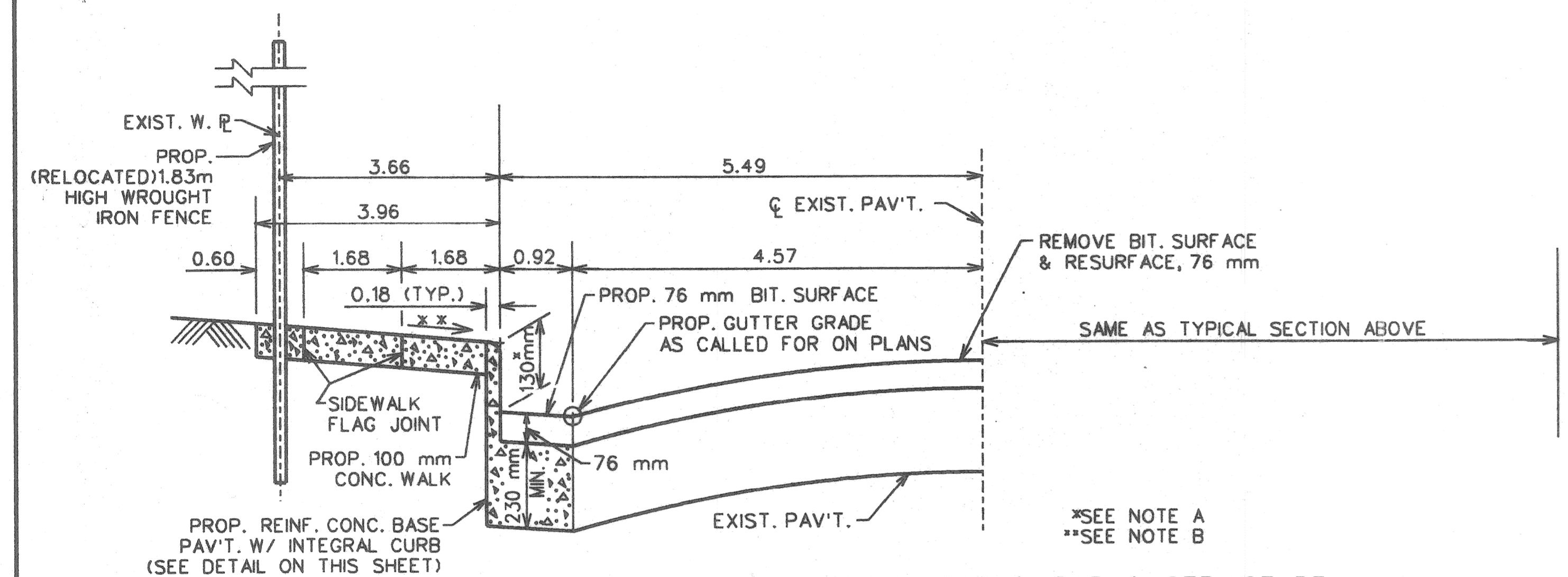
TYPICAL PAVEMENT SECTION FOR W. SERVICE DR.
FROM STA. 1+288.89 TO ST. ANTOINE
NOT TO SCALE



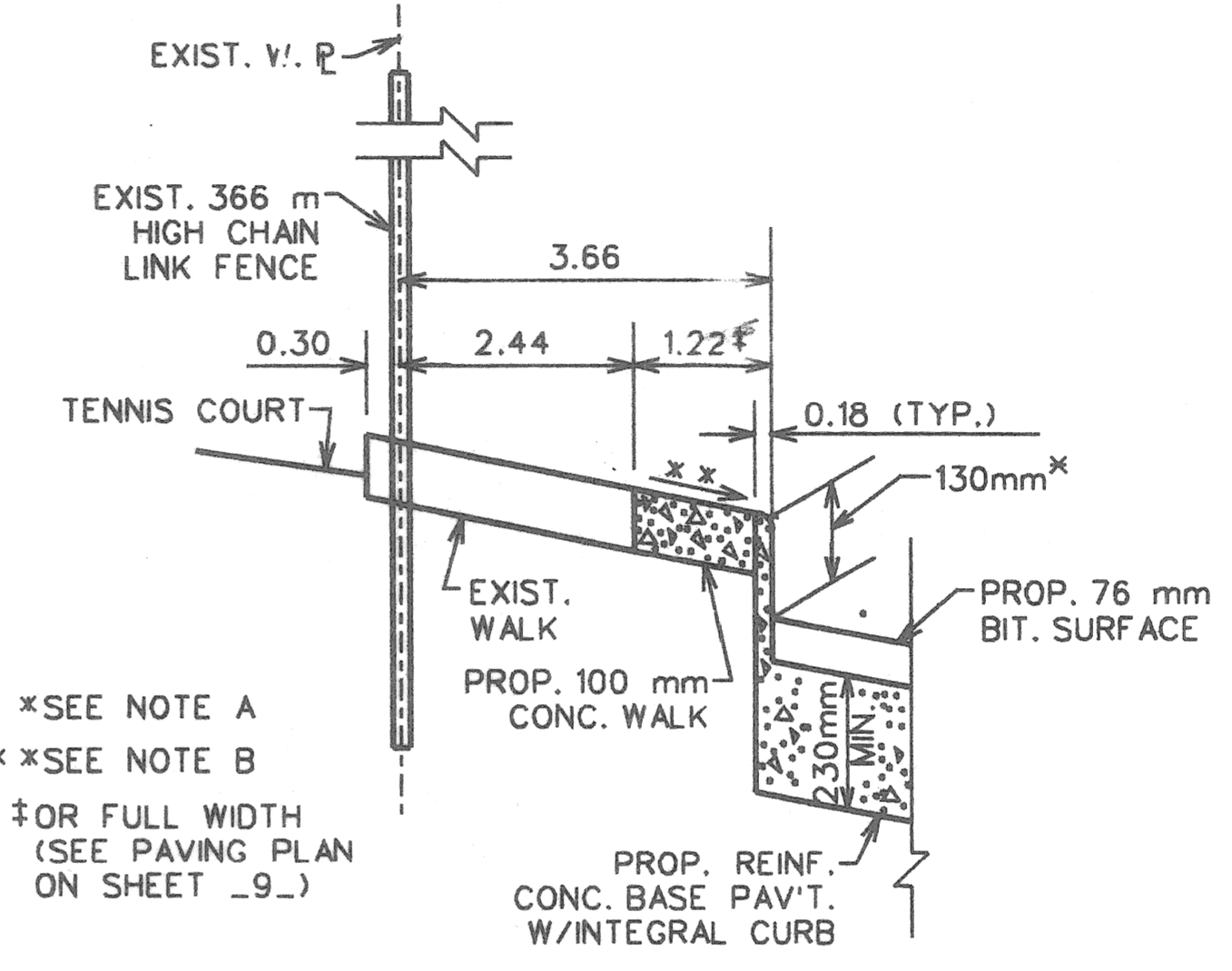
TYPICAL SECTION FOR W. MARGIN
OF W. SERVICE DR.
STA. 1+523.06 TO ALFRED
NOT TO SCALE



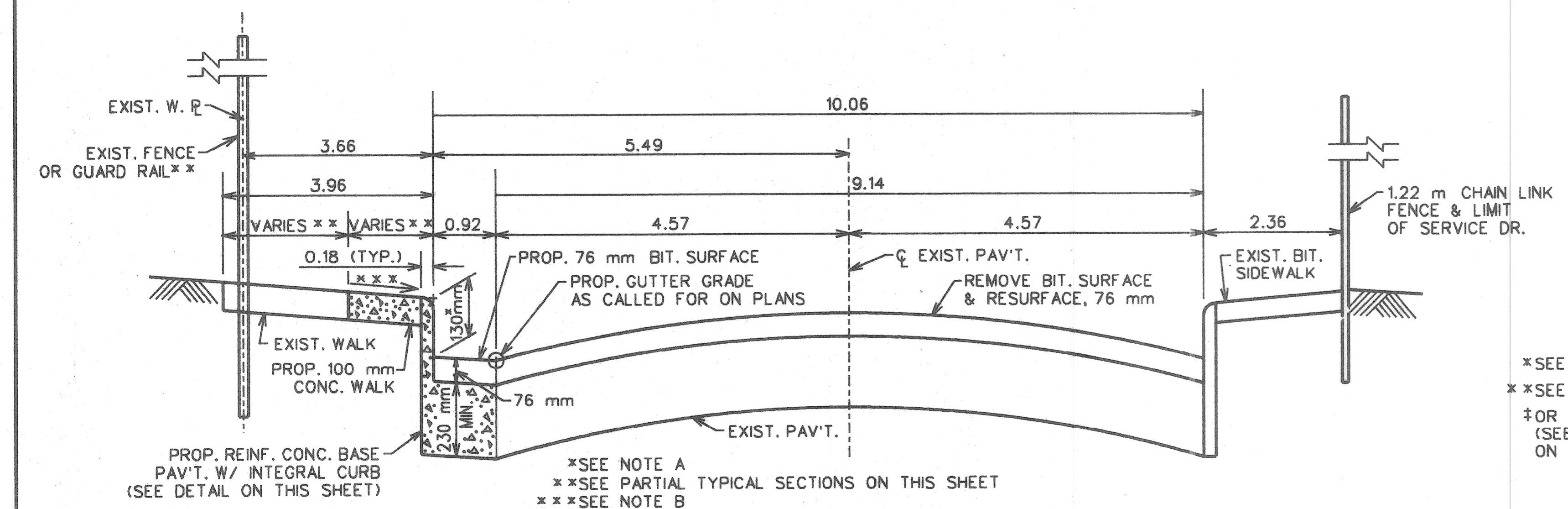
DETAIL FOR PROP. PAV'T. ON W. SERVICE DR.
FROM STA. 1+523.06 TO WILKINS (TYP.)
NOT TO SCALE



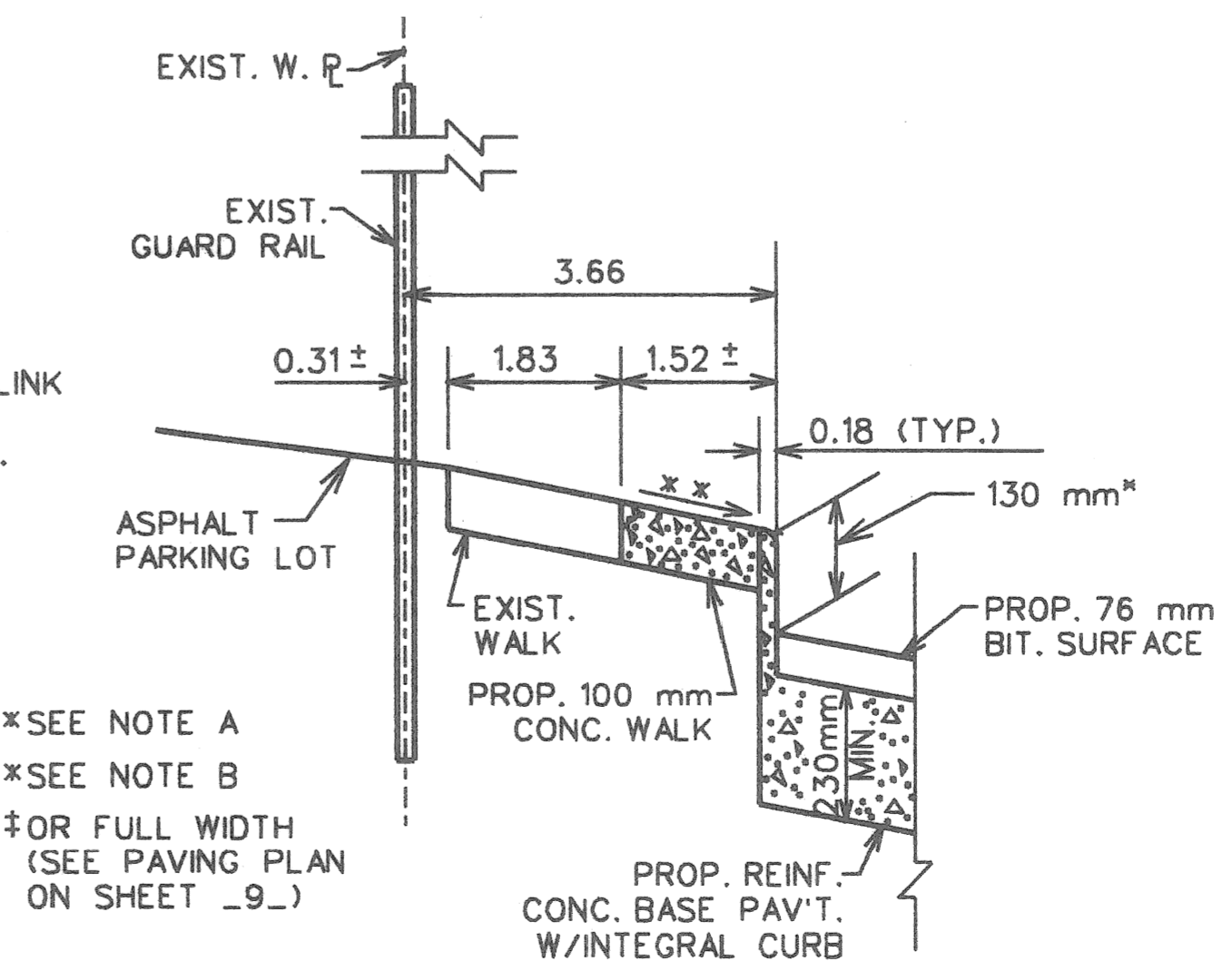
TYPICAL PAVEMENT SECTION FOR W. SERVICE DR.
FROM ST. ANTOINE TO STA. 1+523.06
NOT TO SCALE



TYPICAL SECTION FOR W. MARGIN
OF W. SERVICE DR.
ALFRED TO BREWSTER
NOT TO SCALE



TYPICAL PAVEMENT SECTION FOR W. SERVICE DR.
FROM STA. 1+523.06 TO WILKINS
NOT TO SCALE



TYPICAL SECTION FOR W. MARGIN
OF W. SERVICE DR.
BREWSTER TO WILKINS
NOT TO SCALE

NOTES

- A. OR AS DIRECTED BY THE ENGINEER (100mm MIN., 180mm MAX.)
- B. SLOPE AT 30 mm PER m OR AS DIRECTED BY THE ENGINEER (20mm PER m MIN., 60 mm PER m MAX.)
- C. DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.

GENERAL NOTES

1. UNLESS SHOWN AS A SEPERATE CURB, THE PROPOSED CURB SHALL BE AN INTEGRAL CURB WITH CONCRETE CURB DETAIL "X" AS AN ALTERNATE (SEE DETAILS OF BOTH ON SHEET NO. 2). REGARDLESS OF CONSTRUCTION METHOD, THE PROPOSED CURB SHALL BE PAID FOR AS "CONCRETE BASE PAV'T. WITH INTEGRAL CURB - REINFORCED, 230 mm".
2. CONSTRUCT BASE PAV'T. FOR WIDENING TO BOTTOM OF EXISTING PAV'T. (MIN. THICKNESS = 230mm).
3. THE CURB FACE HEIGHT FOR WIDENING SHALL BE 130 mm UNLESS OTHERWISE CALLED FOR ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
4. BACKFILL, IF REQUIRED, UNDER PROPOSED SIDEWALK AND/OR PAVEMENT SHALL BE GRANULAR MATERIAL CLASS II.
5. GRANULAR MATERIAL CLASS II SHALL BE PAID FOR AS "EMBANKMENT - GRANULAR MATERIAL CLASS II".
6. SAW PLANE OF WEAKNESS JOINTS OVER THE EXISTING OR PROPOSED JOINT AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR AS A "SAWED LONGITUDINAL PLANE OF WEAKNESS JOINT".

BITUMINOUS APPLICATION CHART

ITEM	RATE OF APPLICATION	ESTIMATED THICKNESS	PERFORMANCE GRADE
BITUMINOUS MIXTURE NO. 1100L, 20AA	93 Kg/m ²	38 mm	58 - 22
BITUMINOUS MIXTURE NO. 1100T, 20AA	87 Kg/m ²	38 mm	58 - 22
BITUMINOUS BOND COAT 0 - 0.50 L/m ² TO RIGID BASES AND 0.25 L/m ² TACK COAT BETWEEN LAYERS			

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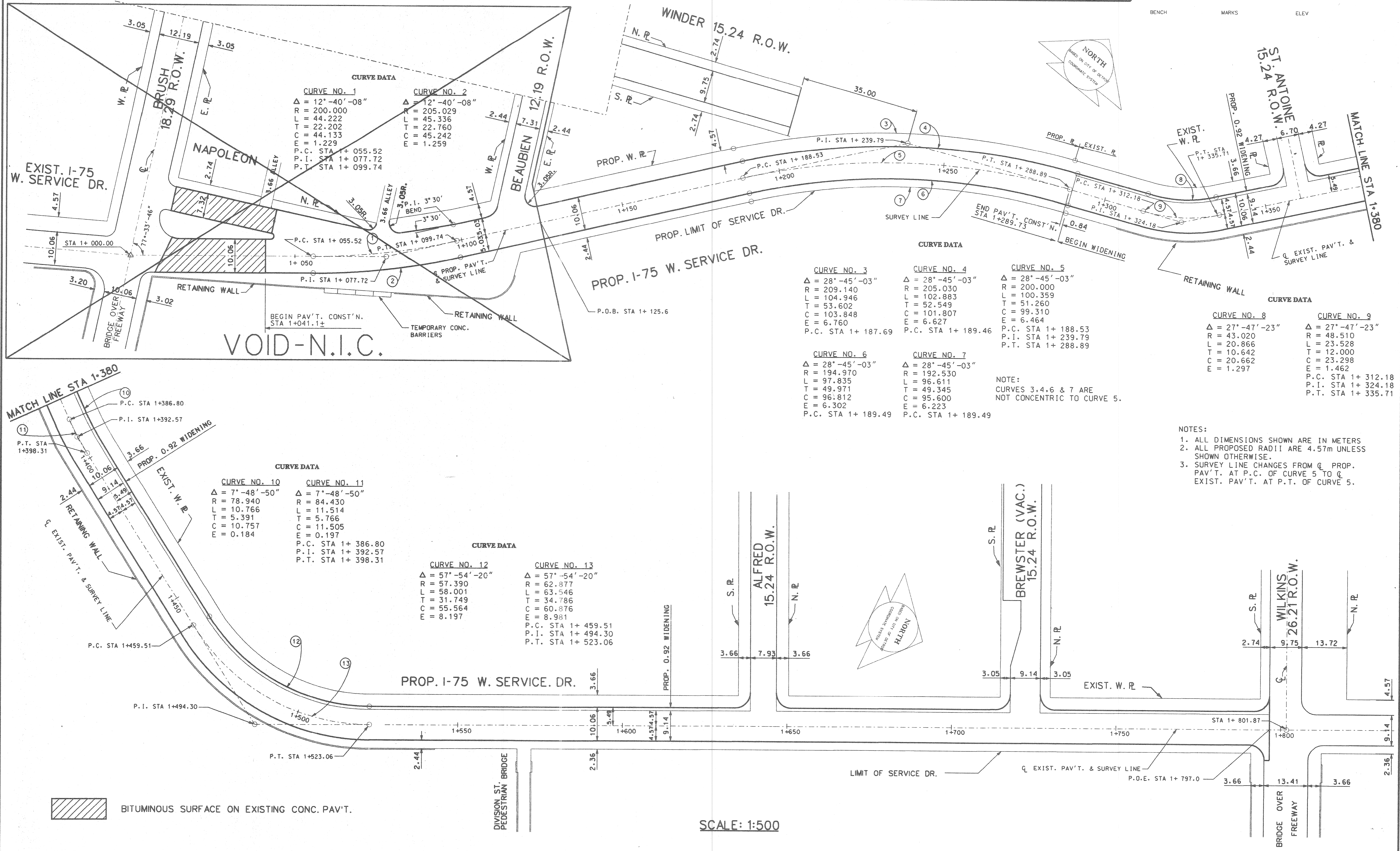
PLAN	A.A., C.M.	N.W.	APPROVED:
GRADE			
ESTIMATE			
DESCRIPTION	DR	CHK	DATE
REVISIONS	FINAL	****	****

CITY OF DETROIT
CITY ENGINEERING DIVISION - D.P.W.
BUREAU OF STREETS AND HIGHWAYS

CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR.
FROM BEAUBIEN TO WILKINS

TYPICAL CROSS-SECTIONS

SHEET 4 OF 48 SHEETS
CONTRACT NO.
ASSIGNMENT NO. 99-22-28
DATE JULY, 1999

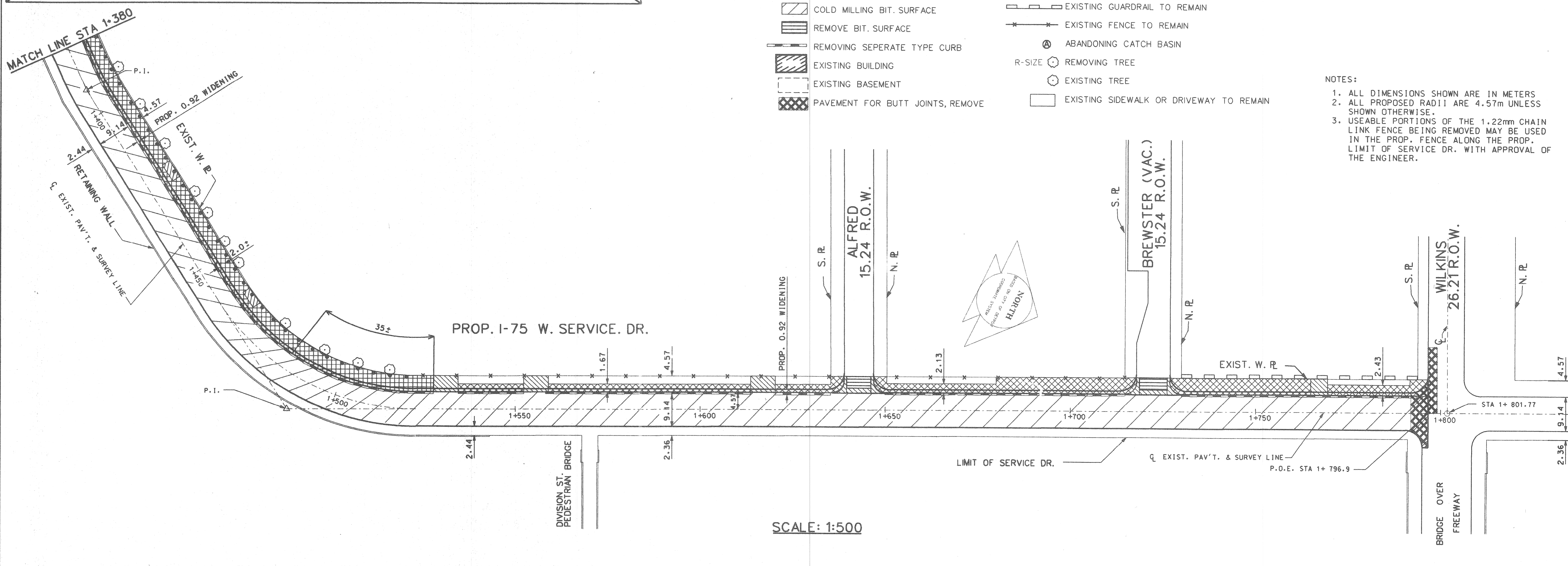
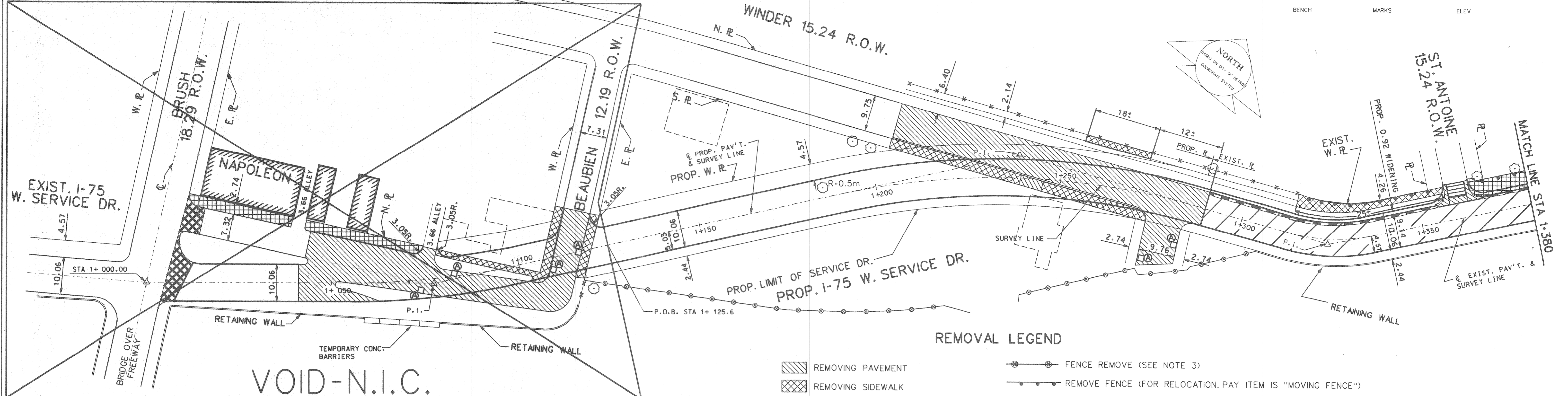


BITUMINOUS SURFACE ON EXISTING CONC. PAV'T.

SCALE: 1:500

REVISIONS DESCRIPTION DR. CK. DATE FINAL	PLAN	BY K.M.	CHECKED BY N.W.	APPROVED:	CITY OF DETROIT CITY ENGINEERING DIVISION - D.P.W. BUREAU OF STREETS AND HIGHWAYS	CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR. FROM BEAUBIEN TO WILKINS	SHEET 5 OF 48 SHEETS CONTRACT NO. ASSIGNMENT NO. 99-22-28 DATE JULY, '99
	GRADE						
	ESTIMATE						
	FINAL						

ALIGNMENT

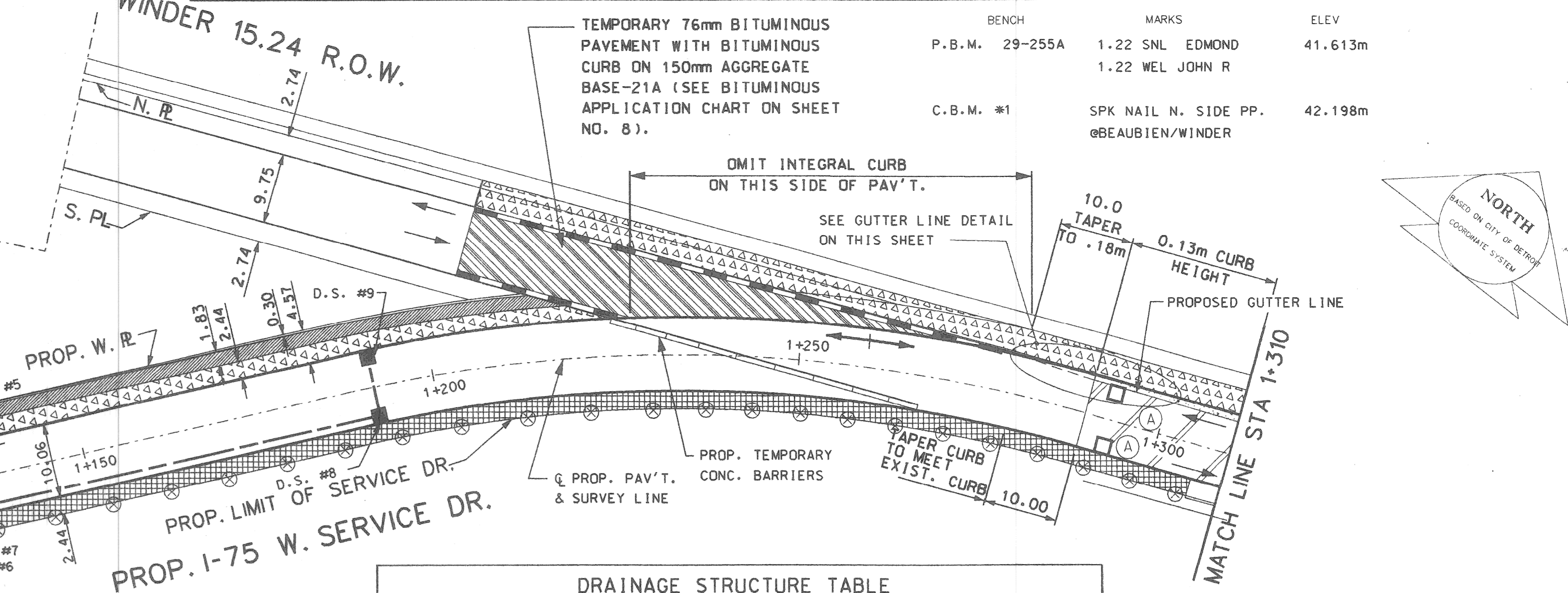
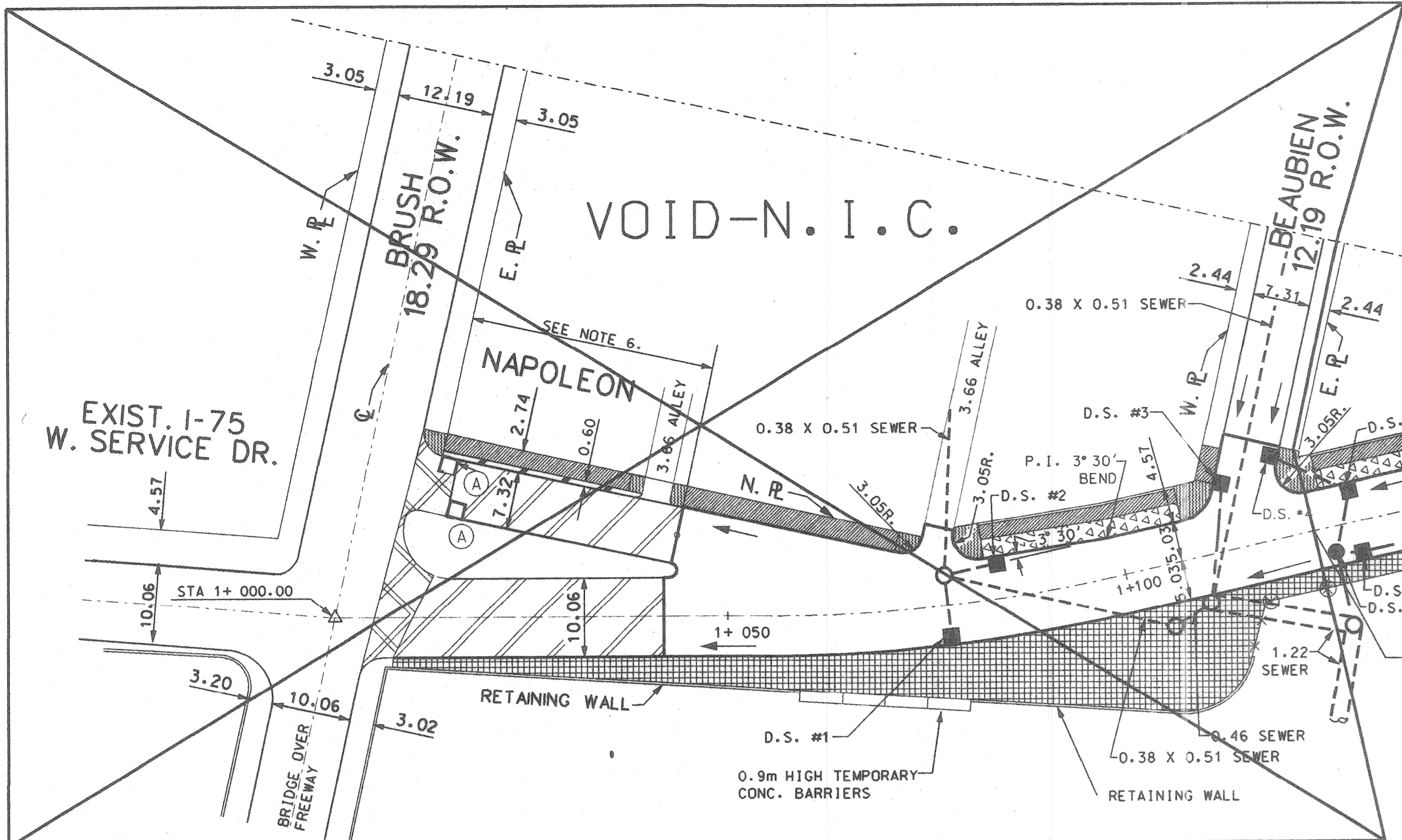


- REMOVAL LEGEND**
- REMOVING PAVEMENT
 - REMOVING SIDEWALK
 - COLD MILLING BIT. SURFACE
 - REMOVE BIT. SURFACE
 - REMOVING SEPARATE TYPE CURB
 - EXISTING BUILDING
 - EXISTING BASEMENT
 - PAVEMENT FOR BUTT JOINTS, REMOVE
 - FENCE REMOVE (SEE NOTE 3)
 - REMOVE FENCE (FOR RELOCATION. PAY ITEM IS "MOVING FENCE")
 - EXISTING GUARDRAIL TO REMAIN
 - EXISTING FENCE TO REMAIN
 - ABANDONING CATCH BASIN
 - R-SIZE REMOVING TREE
 - EXISTING TREE
 - EXISTING SIDEWALK OR DRIVEWAY TO REMAIN

- NOTES:**
- ALL DIMENSIONS SHOWN ARE IN METERS
 - ALL PROPOSED RADII ARE 4.57m UNLESS SHOWN OTHERWISE.
 - USEABLE PORTIONS OF THE 1.22mm CHAIN LINK FENCE BEING REMOVED MAY BE USED IN THE PROP. FENCE ALONG THE PROP. LIMIT OF SERVICE DR. WITH APPROVAL OF THE ENGINEER.

SCALE: 1:500

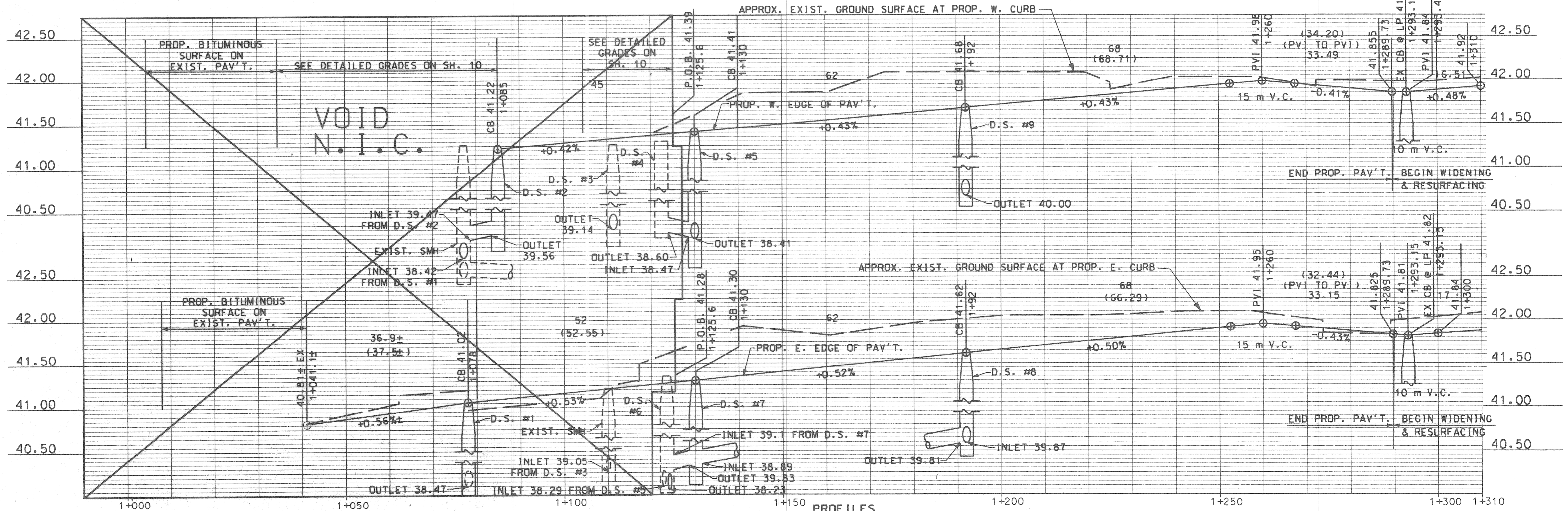
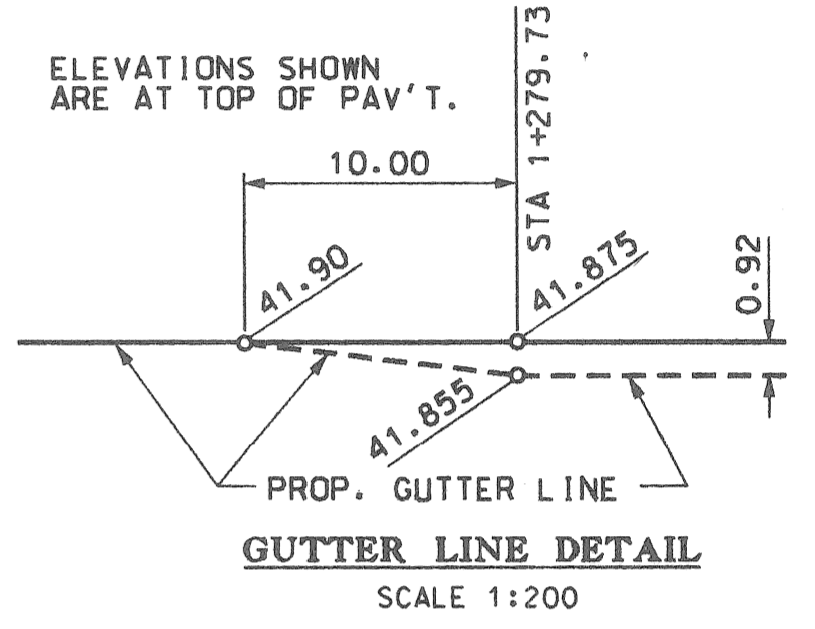
REVISIONS DESCRIPTION DR. CK. DATE FINAL	PLAN GRADE ESTIMATE FINAL	BY K.M. N.W.	CHECKED BY N.W.	APPROVED ENGINEER OF STREETS	CITY OF DETROIT CITY ENGINEERING DIVISION - D.P.W. BUREAU OF STREETS AND HIGHWAYS	CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR. FROM BEAUBIEN TO WILKINS REMOVAL PLAN	SHEET 6 OF 48 SHEETS CONTRACT NO. ASSIGNMENT NO. 99-22-28 DATE JULY, '99
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- NOTES**
1. FOR ALIGNMENT, SEE SHEET NO. 5.
 2. FOR UTILITY LEGEND AND SYMBOLS, SEE SHEET NO. 18
 3. FOR DRIVEWAY DETAILS, SEE SHEET NO. 18.
 4. FOR CONSTRUCTION LEGEND, SEE SHEET NO. 8
 5. PROPOSED DRIVEWAY AND ALLEY RADIUS SHALL BE 3.05 m.
 6. ALL PROPOSED DRAINAGE STRUCTURES SHALL BE BOLT DOWN TYPE.
 7. REPLACE BASE PAV'T. WHERE NECESSARY ON NAPOLEON AS DIRECTED BY THE ENGINEER. MIN. CURB HEIGHT TO BE 0.10 m.
 8. ALL DIMENSIONS ARE IN METERS UNLESS SHOWN OTHERWISE.

- PROFILE NOTES:**
1. PROPOSED CURB HEIGHT IS 180mm EXCEPT WHERE NOTED OTHERWISE.
 2. DRAINAGE STRUCTURES AND SEWERS ARE NOT DRAWN TO SCALE.
 3. DISTANCES ALONG CURVES ARE MEASURED ALONG THE SURVEY LINE. ACTUAL DISTANCES ALONG THE GUTTER ARE SHOWN IN PARENTHESES.

DRAINAGE STRUCTURE NO.	TYPE OF STRUCTURE	WITH TRAP (T)	SEWER LENGTH & TYPE LEAVING D.S.		SEWER TAP SIZE (mm)	TRENCH DETAIL B (m)	REMARKS	
			LENGTH (m)	DIA. (mm)				
1	C.B. "B"	T	8.5	305	IV	305	8.5	OUTLET SEWER CROSSES UNDER 254 mm (10") CONDUIT.
2	C.B. "B"	T	7.0	305	III	305	7.0	CLOSE PROXIMITY TO AMERITECH CONDUIT. OUTLET SEWER CROSSES UNDER CONDUIT.
3	C.B. "B"	T	17.0	305	IV	305	17.0	CLOSE PROXIMITY TO DE CONDUIT. OUTLET SEWER CROSSES UNDER CONDUIT.
4	C.B. "A"	T	9.0	305	IV	305	9.0	
5	C.B. "B"	T	9.2	305	IV	305	9.2	
6	STD. M.H.		10.4	305	IV	305	10.4	OUTLET SEWER TAPS INTO EXIST. SEWER M.H. AT INV. ELEV. = 39.15
7	C.B. "B"	T	5.2	305	III	305	5.2	
8	C.B. "B"	T	62.0	305	III	305	62.0	
9	C.B. "A"	T	9.5	305	III	305	9.5	

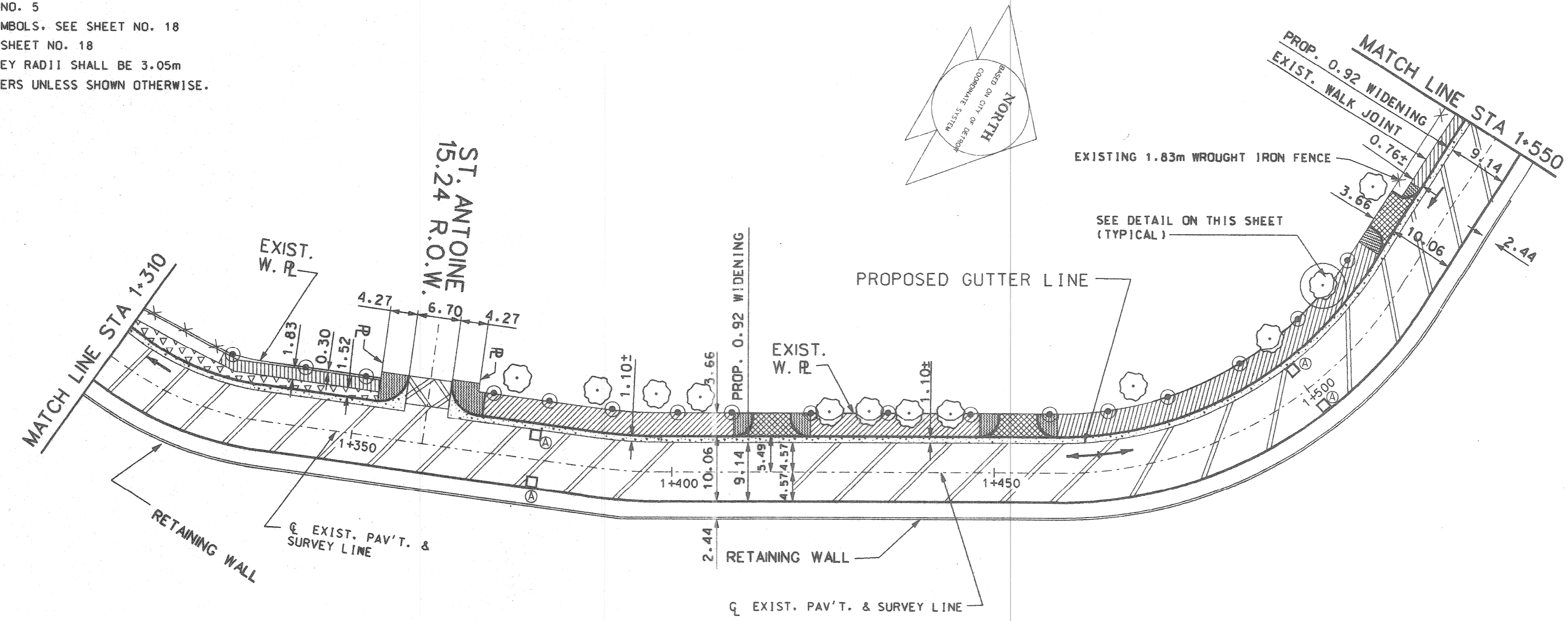


PROFILES
SCALE: 1:500 HORIZ.
1:25 VERT.

- NOTES:
- FOR ALIGNMENT, SEE SHEET NO. 5
 - FOR UTILITY LEGEND AND SYMBOLS, SEE SHEET NO. 18
 - FOR DRIVEWAY DETAILS SEE SHEET NO. 18
 - PROPOSED DRIVEWAY AND ALLEY RADI SHALL BE 3.05m
 - ALL DIMENSIONS ARE IN METERS UNLESS SHOWN OTHERWISE.

CONSTRUCTION LEGEND

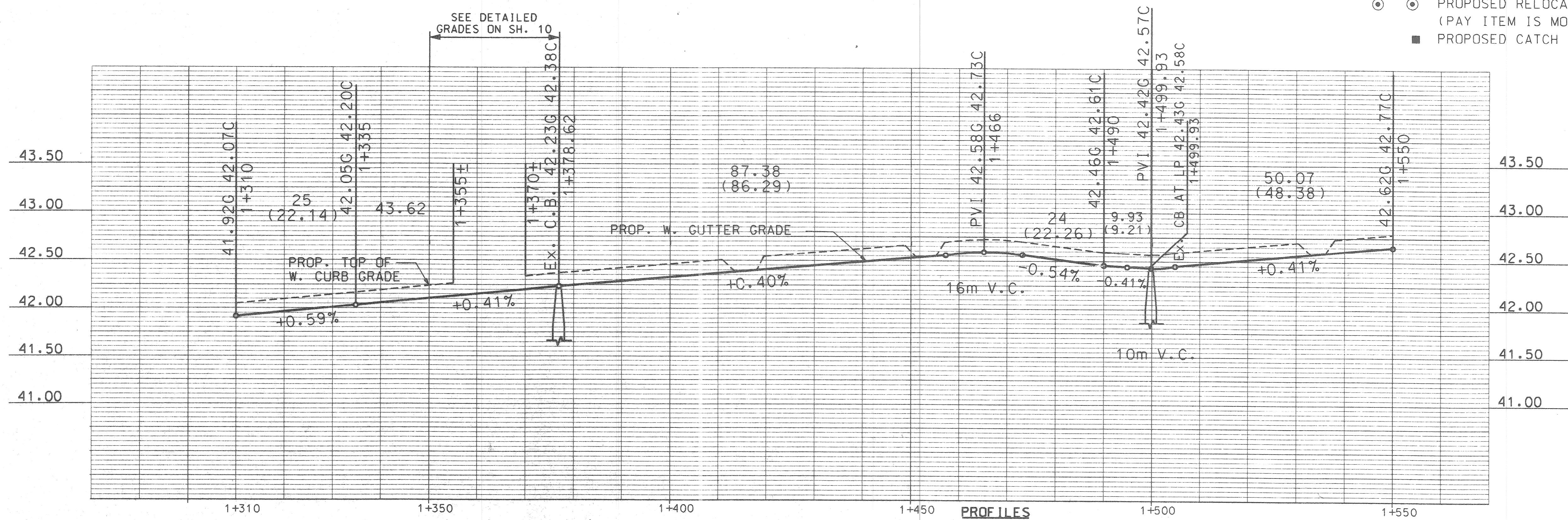
- 230mm REINFORCED CONCRETE BASE PAV'T. WITH REINFORCED INTEGRAL CURB AND 76 mm BITUMINOUS SURFACE
- 100mm STANDARD SIDEWALK
- 50mm BITUMINOUS SHOULDER
- 76mm BITUMINOUS SURFACE
- CONC. PAV'T. NONREINFORCED - 200mm (DRIVEWAY)
- 150mm STANDARD SIDEWALK
- BITUMINOUS APPROACH
- PROPOSED SOD ON TOP OF 100mm TOPSOIL
- 76mm BITUMINOUS PAVEMENT ON 150mm AGGREGATE BASE (FILL 21A)
- BITUMINOUS CURB
- INTEGRAL CURB AND SIDEWALK
- ADJUSTING STRUCTURE COVERS
- EXISTING CATCH BASIN TO REMAIN
- EXISTING FENCE TO REMAIN
- EXISTING GUARDRAIL TO REMAIN
- CONCRETE RETAINING WALL TO REMAIN
- PROPOSED 1.22m CHAIN LINK FENCE
- PROPOSED RELOCATED 1.83m HIGH WROUGHT IRON FENCE (PAY ITEM IS MOVING FENCE)
- PROPOSED CATCH BASIN



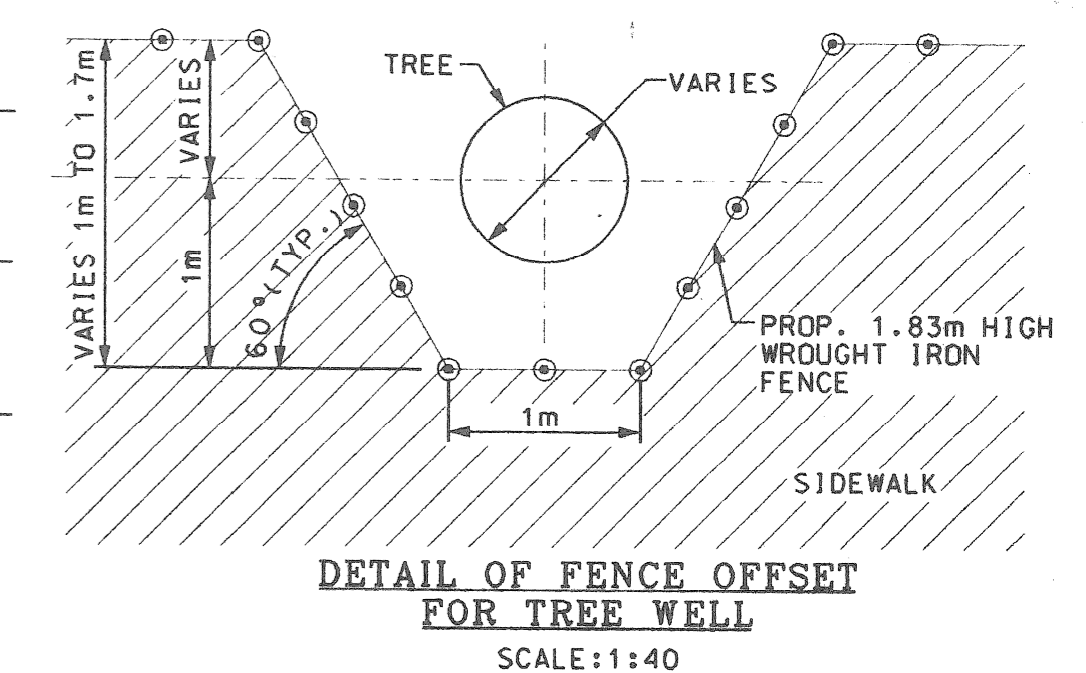
PROFILE NOTES:

- "G" DENOTES PROP. GUTTER ELEV. (AT EXIST. EDGE OF PAV'T.)
"C" DENOTES PROP. TOP OF CURB ELEV.
- PROPOSED CURB HEIGHT IS 130mm
- DRAINAGE STRUCTURES ARE NOT DRAWN TO SCALE.
- DISTANCES ALONG CURVES ARE MEASURED ALONG THE SURVEY LINE.
ACTUAL DISTANCES ALONG THE GUTTER ARE SHOWN IN PARENTHESES.

SCALE: PLAN 1:500



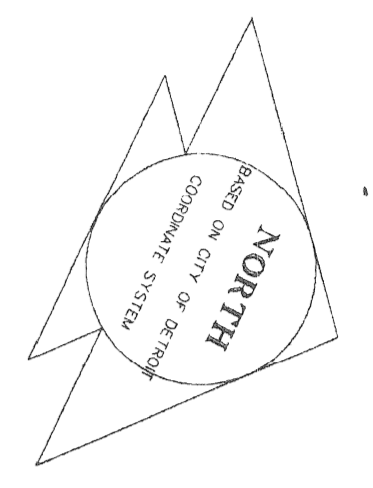
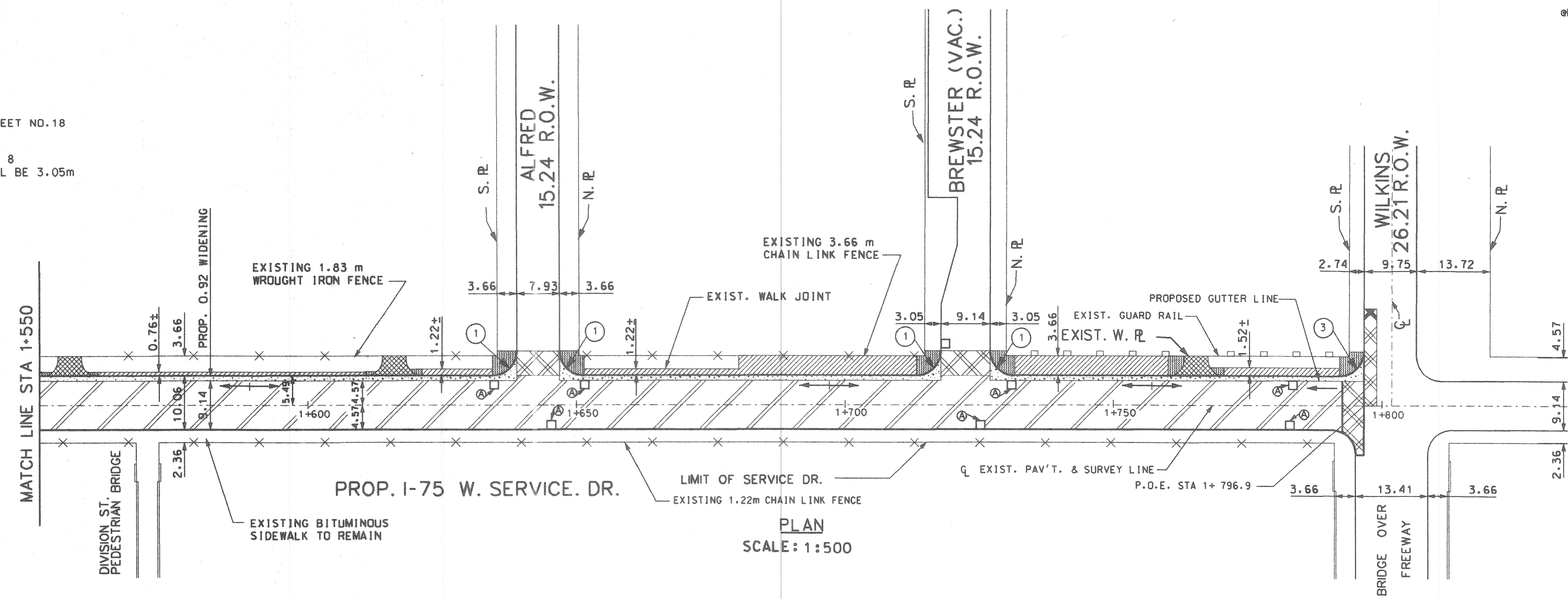
SCALE: 1:500 HORIZ.
1:25 VERT.



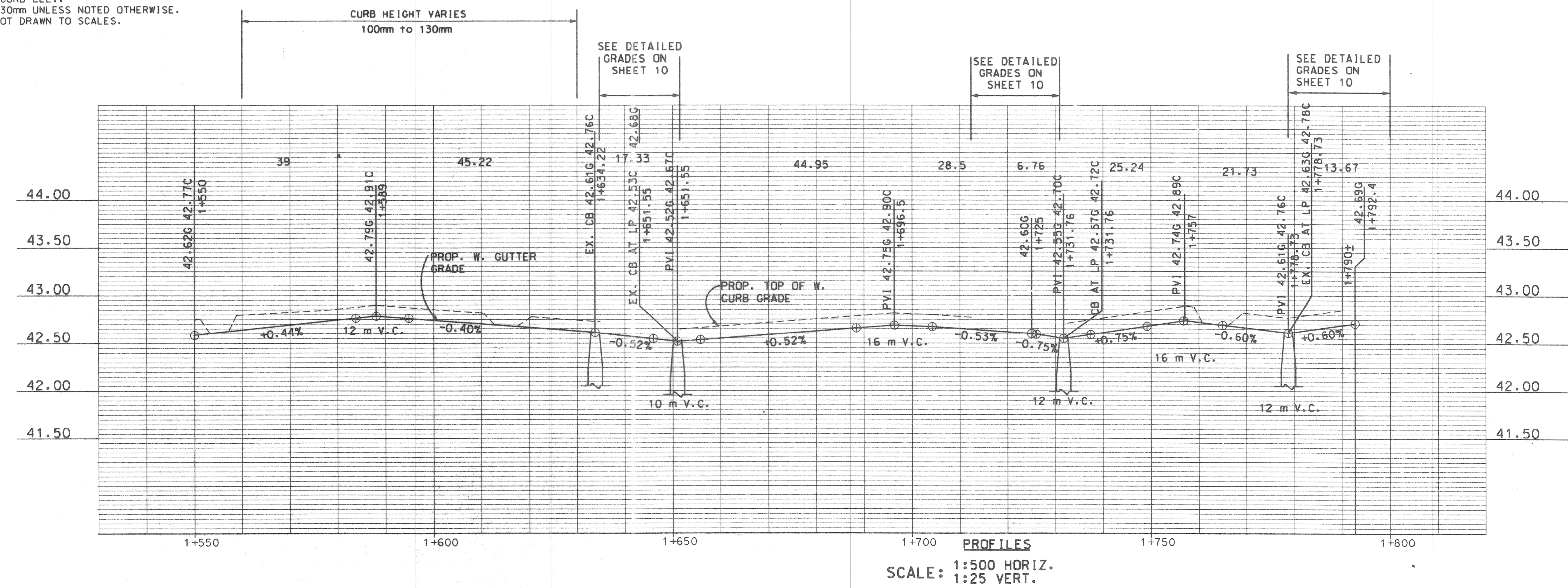
PLAN GRADE ESTIMATE FINAL		BY K.M. N.W.	CHECKED BY N.W.	APPROVED CHIEF OF STREETS	CITY OF DETROIT CITY ENGINEERING DIVISION - D.P.W. BUREAU OF STREETS AND HIGHWAYS	CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR. FROM BEAUBIEN TO WILKINS PAVING PLAN AND PROFILE	SHEET 8 OF 48 SHEETS CONTRACT NO. ASSIGNMENT NO. 99-22-28 DATE JULY, '99
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BENCH	MARKS	ELEV
P.B.M. 29-255A	1.22 SNL EDMOND	41.613m
	1.22 WEL JOHN R	
C.B.M. #1	SPK NAIL N. SIDE PP.	42.198m
	ØBEAUBIEN/WINDER	

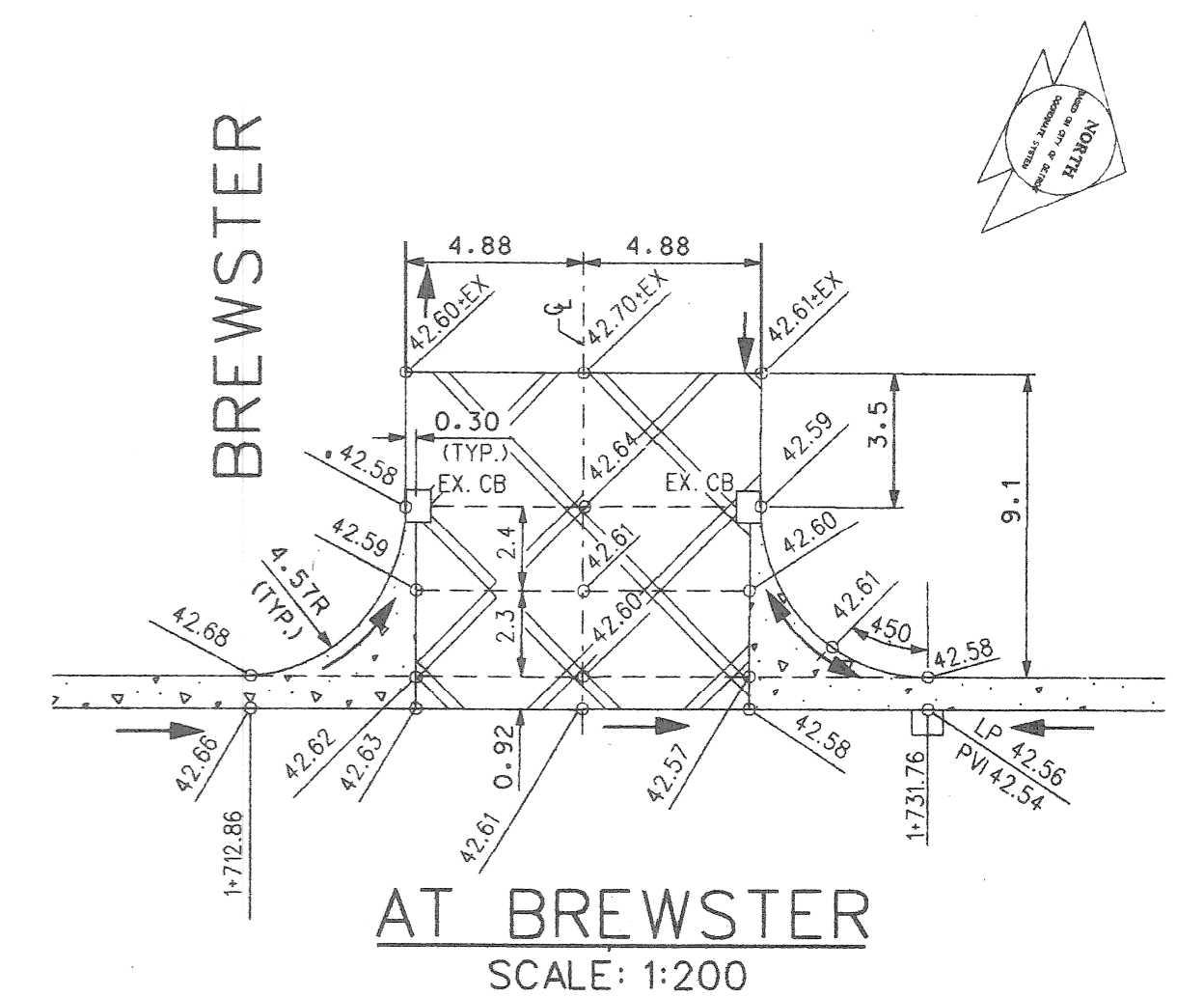
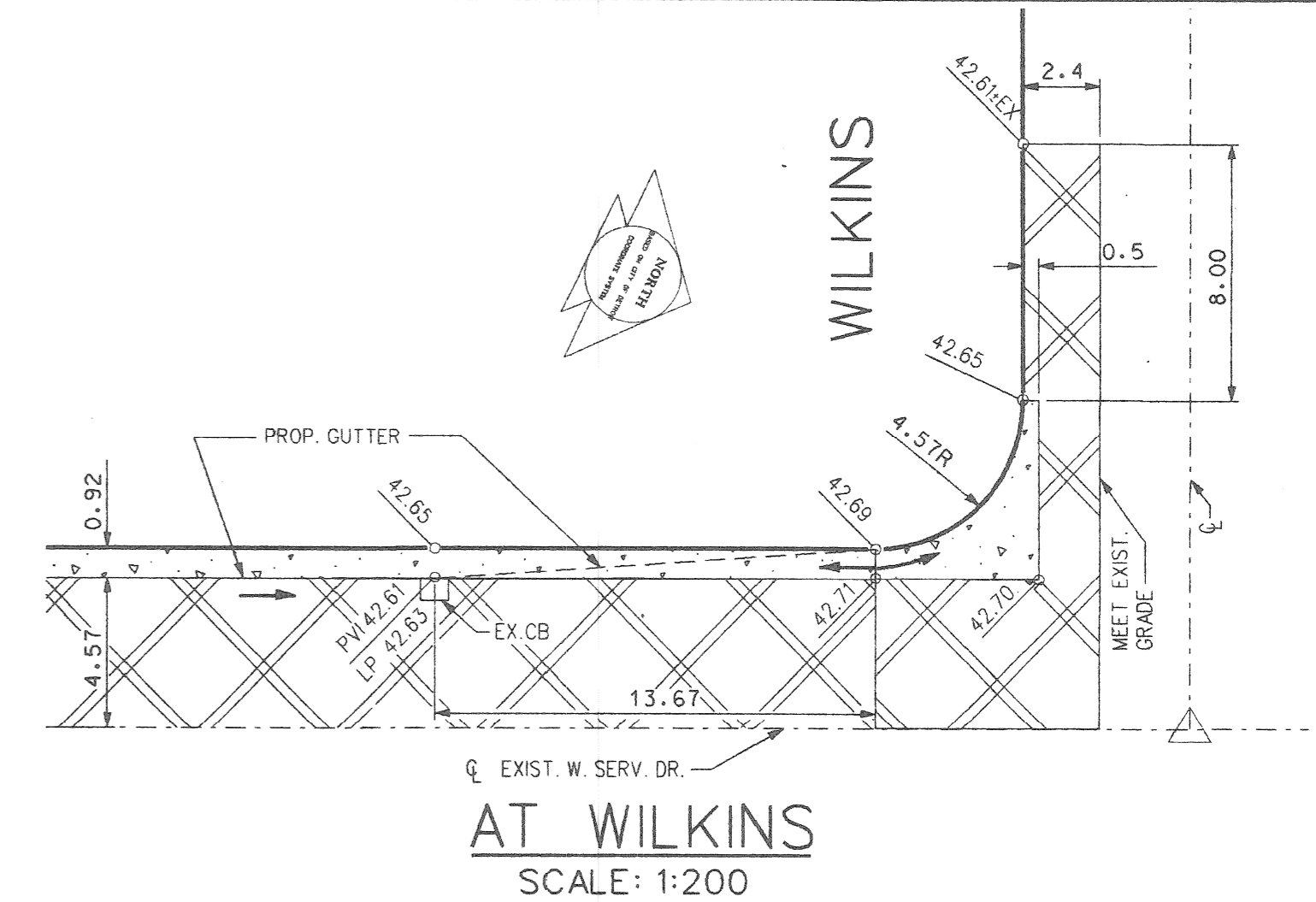
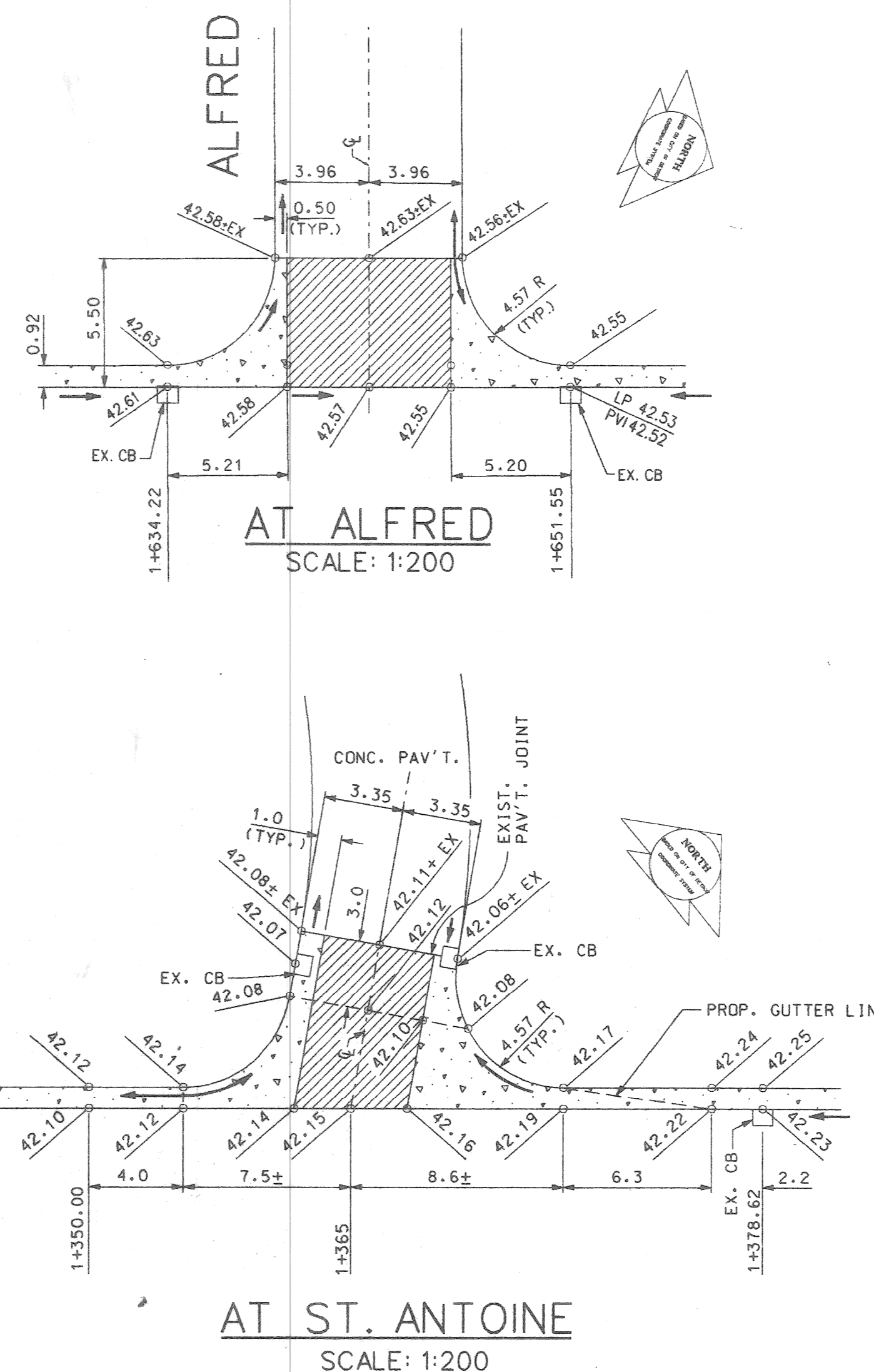
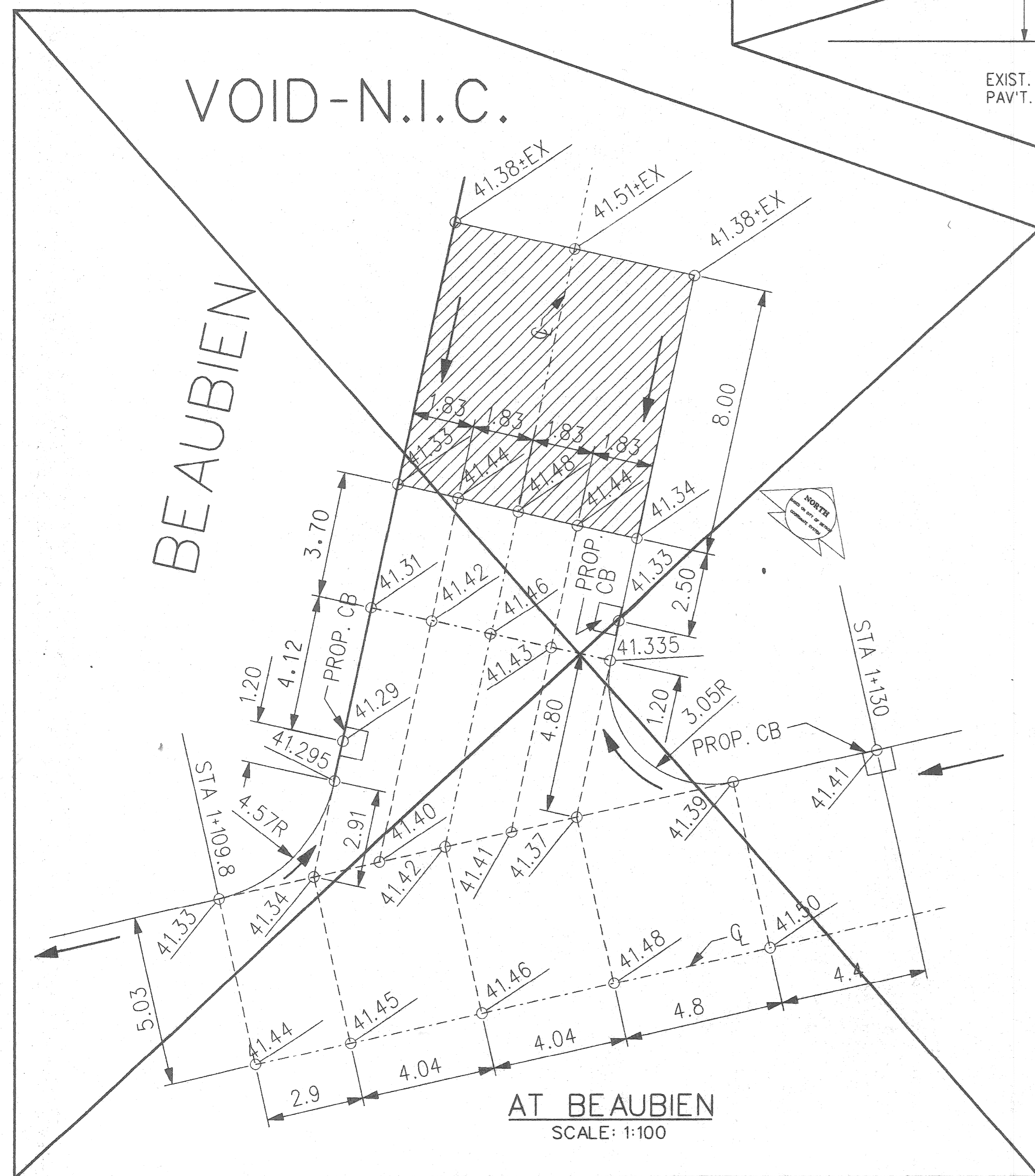
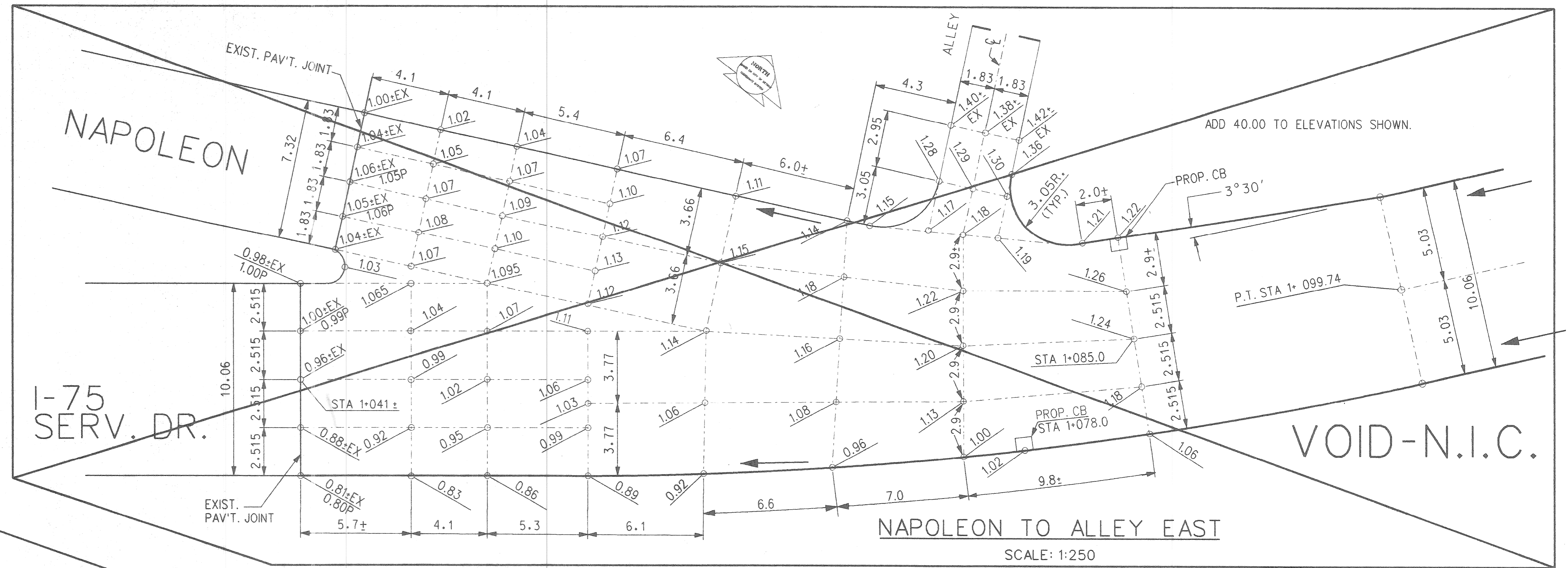
- NOTES**
1. FOR ALIGNMENT, SEE SHEET NO.5
 2. FOR UTILITY LEGEND AND SYMBOLS, SEE SHEET NO.18
 3. FOR DRIVEWAY DETAILS, SEE SHEET NO.18
 4. FOR BENCH MARKS SEE SHEET NO.8
 5. FOR CONSTRUCTION LEGEND, SEE SHEET NO. 8
 6. PROPOSED DRIVEWAY AND ALLEY RADII SHALL BE 3.05m
 7. ALL DIMENSIONS ARE IN METERS



- PROFILE NOTES**
1. "G" DENOTES PROP. GUTTER ELEV. (AT EXIST. EDGE OF PAV'T.)
 2. "C" DENOTES PROP. TOP OF CURB ELEV.
 3. PROPOSED CURB HEIGHT IS 130mm UNLESS NOTED OTHERWISE.
 4. DRAINAGE STRUCTURES ARE NOT DRAWN TO SCALES.



- NOTES:
- "EX" INDICATES EXISTING ELEVATION.
"P" INDICATES PROPOSED ELEVATION.
ALL OTHER ELEVATIONS SHOWN ARE PROPOSED.
 - ALL DIMENSIONS ARE IN METERS.
 - FOR PATTERNING SYMBOLS, SEE CONSTRUCTION LEGEND ON SHEET NO. 8.



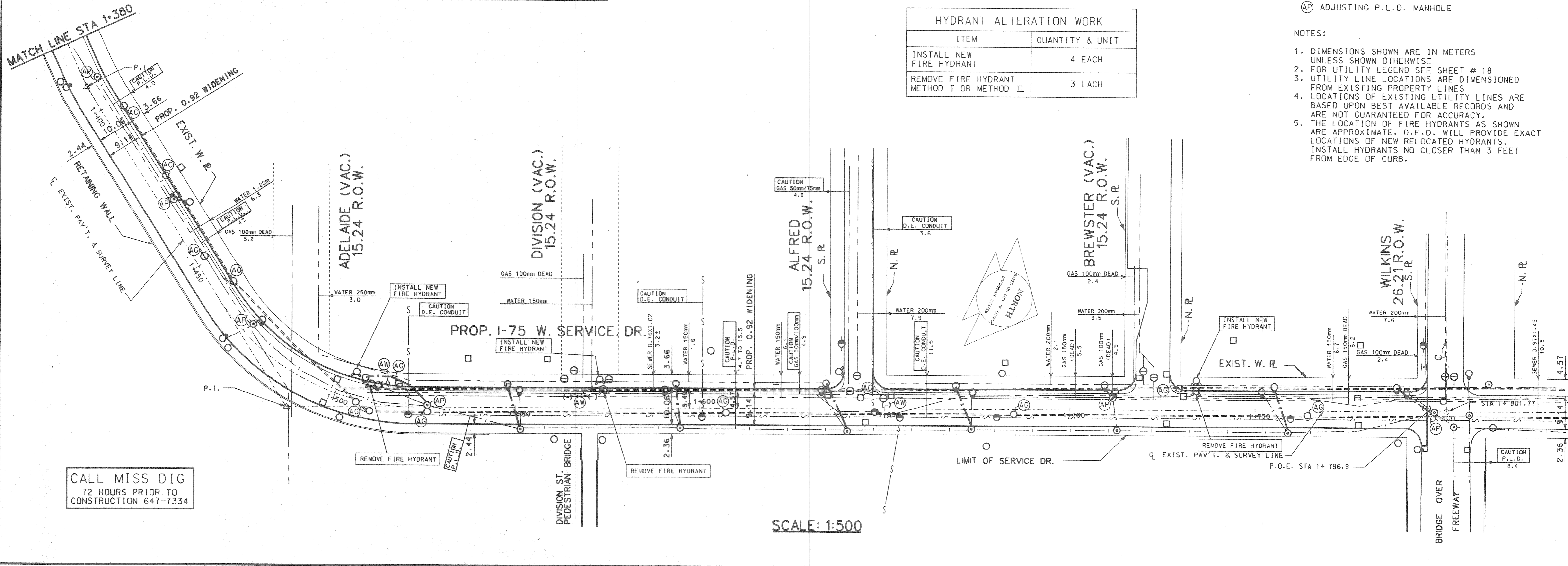
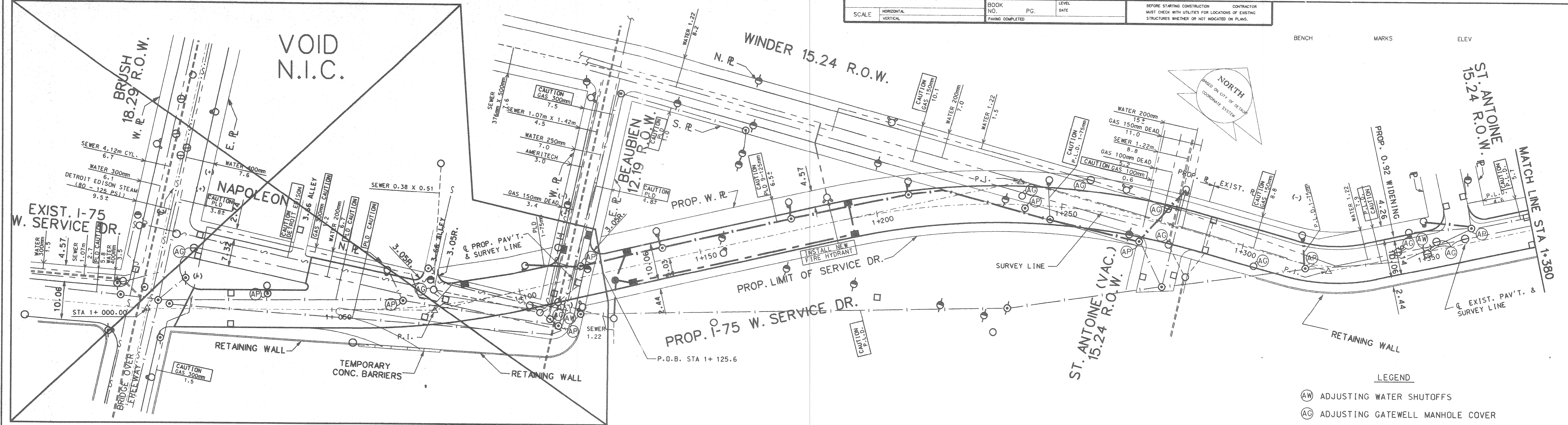
BY	K.M.	CHECKED BY	N.W.	APPROVED:
PLAN				
GRADE				
ESTIMATE				
FINAL				

CITY OF DETROIT
CITY ENGINEERING DIVISION - D.P.W.
BUREAU OF STREETS AND HIGHWAYS

CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR.
FROM BEAUBIEN TO WILKINS

DETAILED GRADES

SHEET 10 OF 48 SHEETS
CONTRACT NO.
ASSIGNMENT NO. 99-22-28
DATE JULY, '99



HYDRANT ALTERATION WORK	
ITEM	QUANTITY & UNIT
INSTALL NEW FIRE HYDRANT	4 EACH
REMOVE FIRE HYDRANT METHOD I OR METHOD II	3 EACH

- LEGEND**
- (AW) ADJUSTING WATER SHUTOFFS
 - (AG) ADJUSTING GATEWELL MANHOLE COVER
 - (AP) ADJUSTING P.L.D. MANHOLE

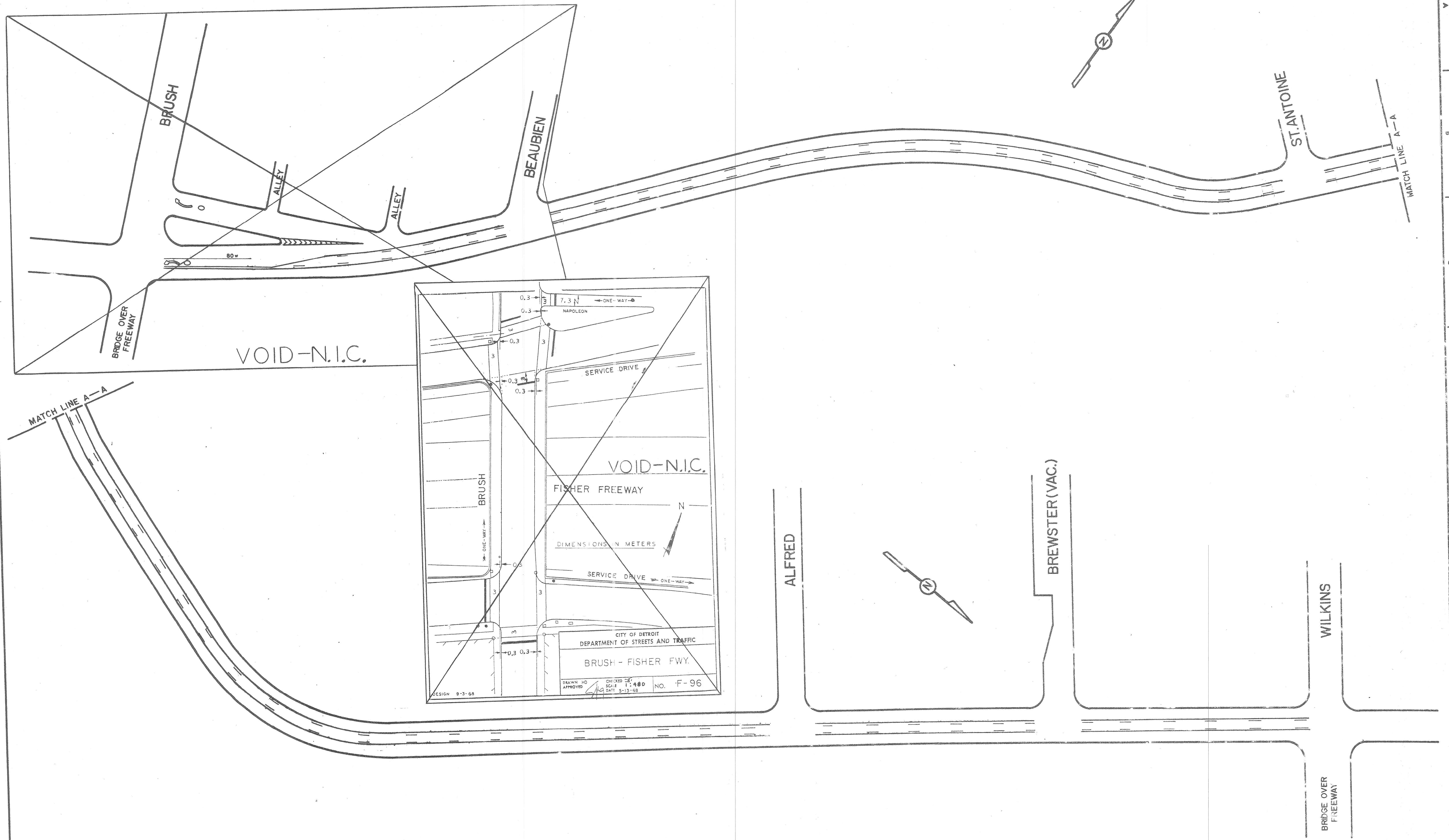
- NOTES:**
1. DIMENSIONS SHOWN ARE IN METERS UNLESS SHOWN OTHERWISE
 2. FOR UTILITY LEGEND SEE SHEET # 18
 3. UTILITY LINE LOCATIONS ARE DIMENSIONED FROM EXISTING PROPERTY LINES
 4. LOCATIONS OF EXISTING UTILITY LINES ARE BASED UPON BEST AVAILABLE RECORDS AND ARE NOT GUARANTEED FOR ACCURACY.
 5. THE LOCATION OF FIRE HYDRANTS AS SHOWN ARE APPROXIMATE. D.F.D. WILL PROVIDE EXACT LOCATIONS OF NEW RELOCATED HYDRANTS. INSTALL HYDRANTS NO CLOSER THAN 3 FEET FROM EDGE OF CURB.

CALL MISS DIG
72 HOURS PRIOR TO
CONSTRUCTION 647-7334

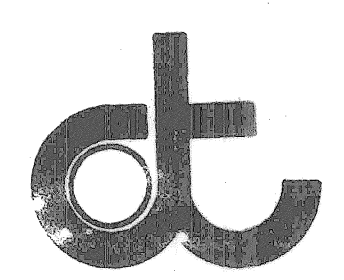
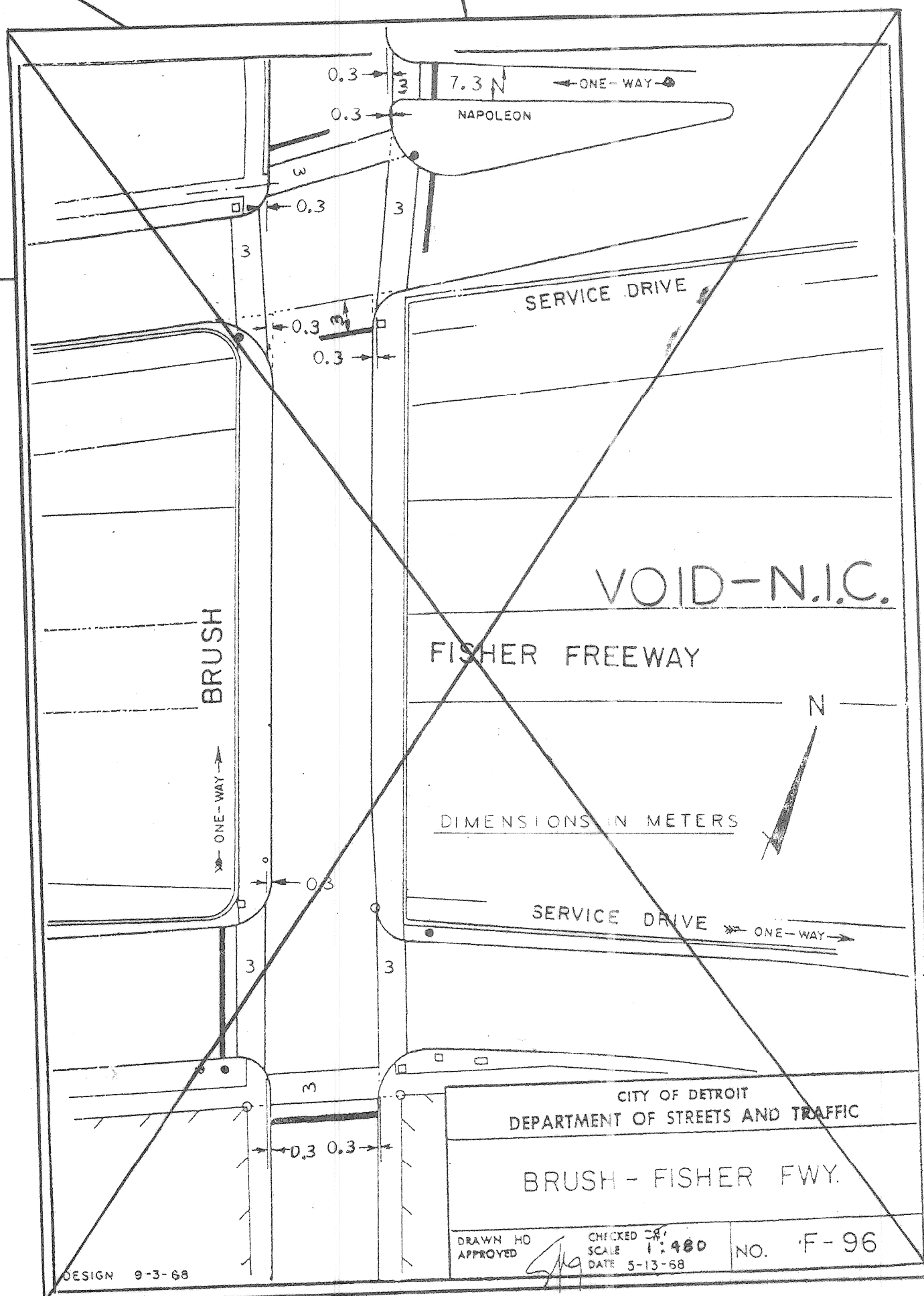
SCALE: 1:500

DESCRIPTION REVISIONS	SURVEYED	BY	CHECKED BY	APPROVED	CITY OF DETROIT CITY ENGINEERING DIVISION - D.P.W. BUREAU OF STREETS AND HIGHWAY	CONSTRUCTION AND WIDENING OF 1-75 W. SERVICE DR. FROM BEAUBIEN TO WILKINS	SHEET 11 OF 48 SHEETS CONTRACT NO. ASSIGNMENT NO. 99-22-28 DATE JULY '99
	COMPILED	M.S.	N.W.	OWNER OF STREETS			
	DRAWN	K.M., J.K.	M.S., N.W.				
	FINAL	****	****				

UTILITIES



VOID-N.I.C.



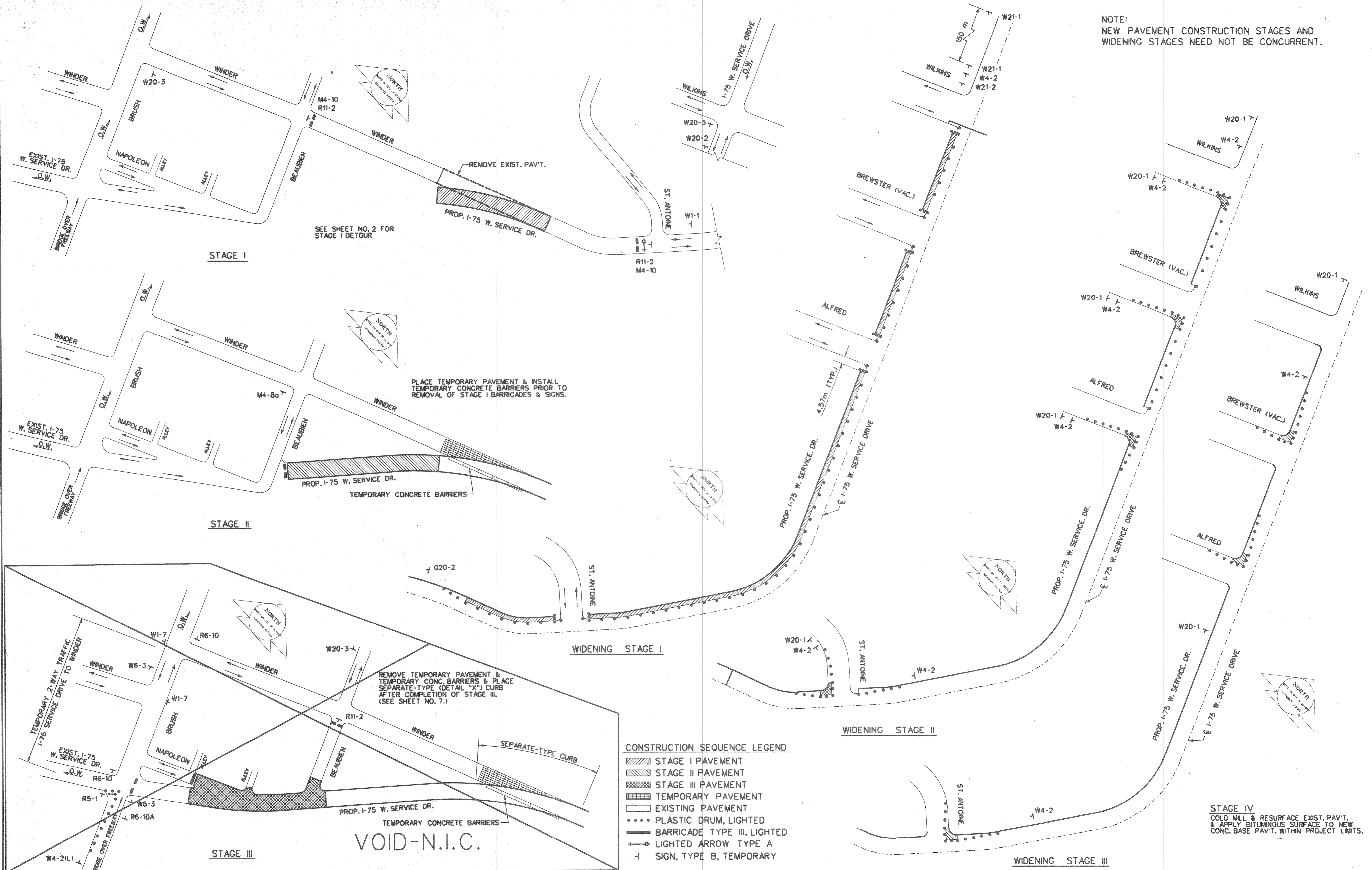
CITY OF DETROIT
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION ENGINEERING

CONSTRUCTION AND WIDENING
 OF 1-75 W. SERVICE DRIVE
 FROM BEAUBIEN TO WILKINS
 PAVEMENT MARKINGS

SHEET 12 OF 48 SHEETS
 SCALE 1 : 500
 DRWG No. L91 b
 DATE JULY, 1999

DESIGNED BY	H.D.	APPROVED
DRAWN BY	J. ROOSE	
TRACED BY		
REFERENCE DRAWINGS		

NOTE:
NEW PAVEMENT CONSTRUCTION STAGES AND
WIDENING STAGES NEED NOT BE CONCURRENT.



- CONSTRUCTION SEQUENCE LEGEND**
- STAGE I PAVEMENT
 - STAGE II PAVEMENT
 - STAGE III PAVEMENT
 - TEMPORARY PAVEMENT
 - EXISTING PAVEMENT
 - PLASTIC DRUM, LIGHTED
 - BARRICADE TYPE III, LIGHTED
 - LIGHTED ARROW TYPE A
 - SIGN, TYPE B, TEMPORARY

PLAN	C.M.	N.W.	APPROVED:
GRADE			ENGINEER OF STREETS
ESTIMATE			
DESCRIPTION	DR	CHK	DATE
REVISIONS			

CITY OF DETROIT
CITY ENGINEERING DIVISION - D.P.W.
BUREAU OF STREETS AND HIGHWAYS

CONSTRUCTION AND WIDENING OF I-75 W. SERVICE DR.
FROM BEAUBIEN TO WILKINS
CONSTRUCTION SEQUENCE

SHEET 13 OF 48 SHEETS
CONTRACT NO.
ASSIGNMENT NO. 99-22-28
DATE JULY, 99

13