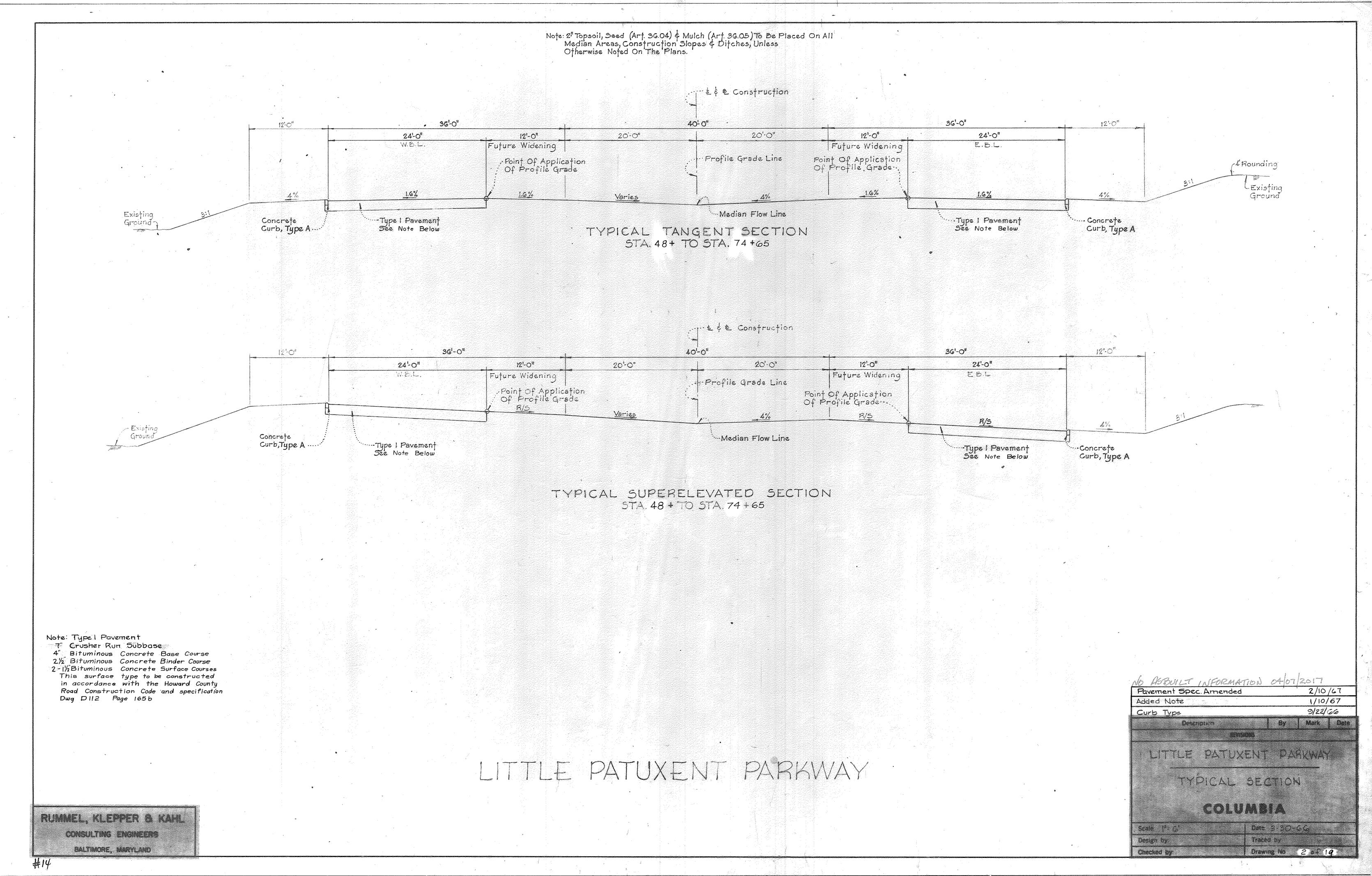


COLLANBIA ALLVIEW GOLF COURS BEAVERBROO JUIL FORD DOWNS OOVAN ENTRANCE OAKLAN NURSING HOME PROJECT C MEADOWS WOOD-ATHOLTON ALLVIEV MANOR ESTATES TITLE DETAILS TYPICAL SECTIONS · 2 & 3 LITTLE PATUXENT PARKWAY PLAN & PROFILE 4,526 GOV. YVARFIELD PAR:KWAY PLAN & PROFILE PLAN & PROFILE WINTUSTREAM DRIVE DETAILS DR.AINAGE PROFILES DRA INAGE 10,11 & 12 SHEFT APPROVED BY HOWARD COUNTY PLANNING COMMISSION J. N. Clausing h 2-2-6 HOWARD COUNTY ROAD DEPARTMENT Herman Schell 2-2-6 approved by me, and that I am a duly licensed professional HOWARD COUNTY METROPOLITIAN COMMISSION MOTALber RUMMEL, KLEPPER AND KAHL CONSULTING ENGINEERS Carl K. Butschick BALTIMORE, MARYLAND Professional Engineer Maruland Reg. No. 12975 SHEETS 2TO 7, 9 TO 11 Angust W. Moul C.D. MESSICK. JR.& ASSOCIATES, CONSULTING ENGINEERS & LAND SURVEYORS ANNAPOLIS MARYLAND 21 WEST STREET SHEETS 8 8 12

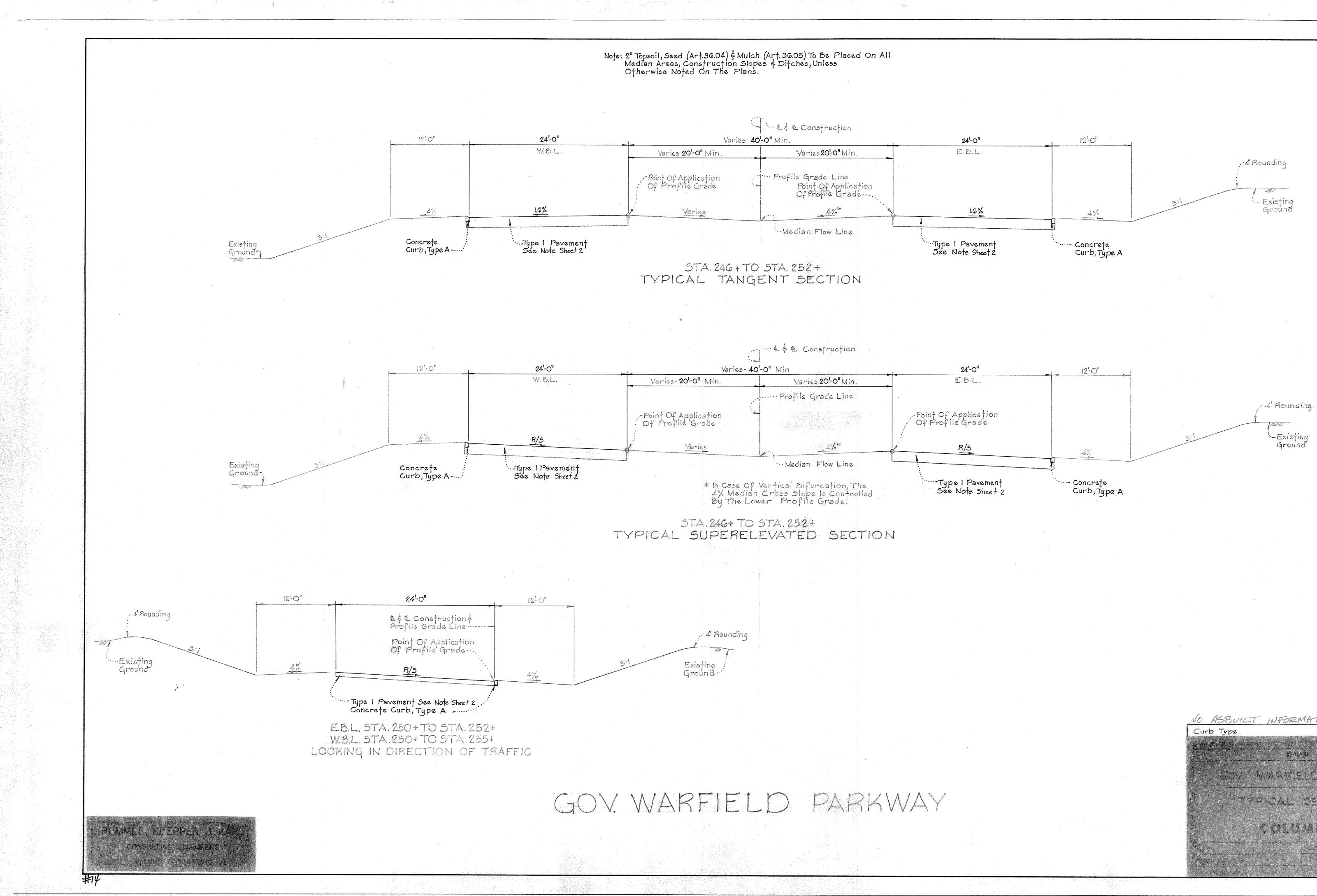


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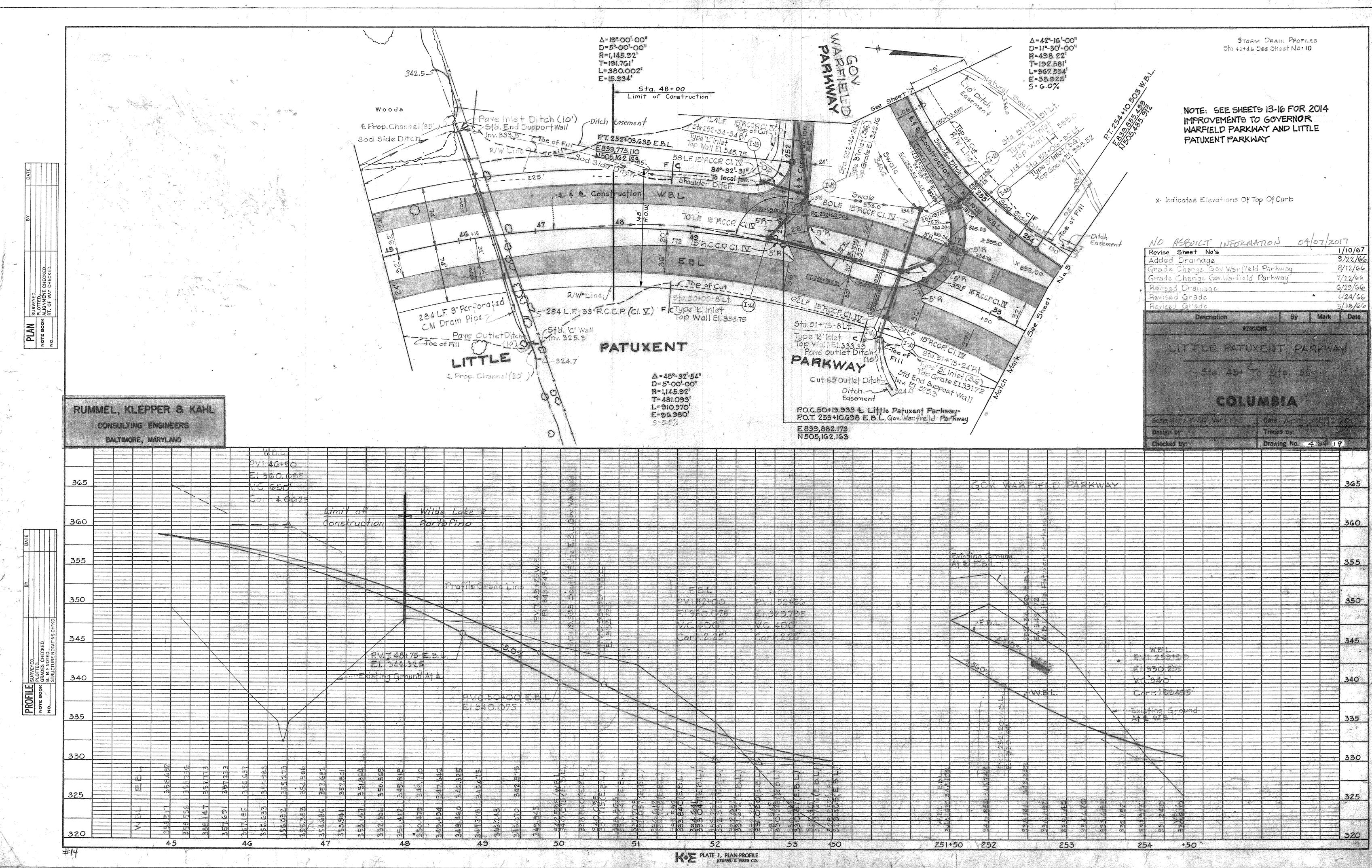
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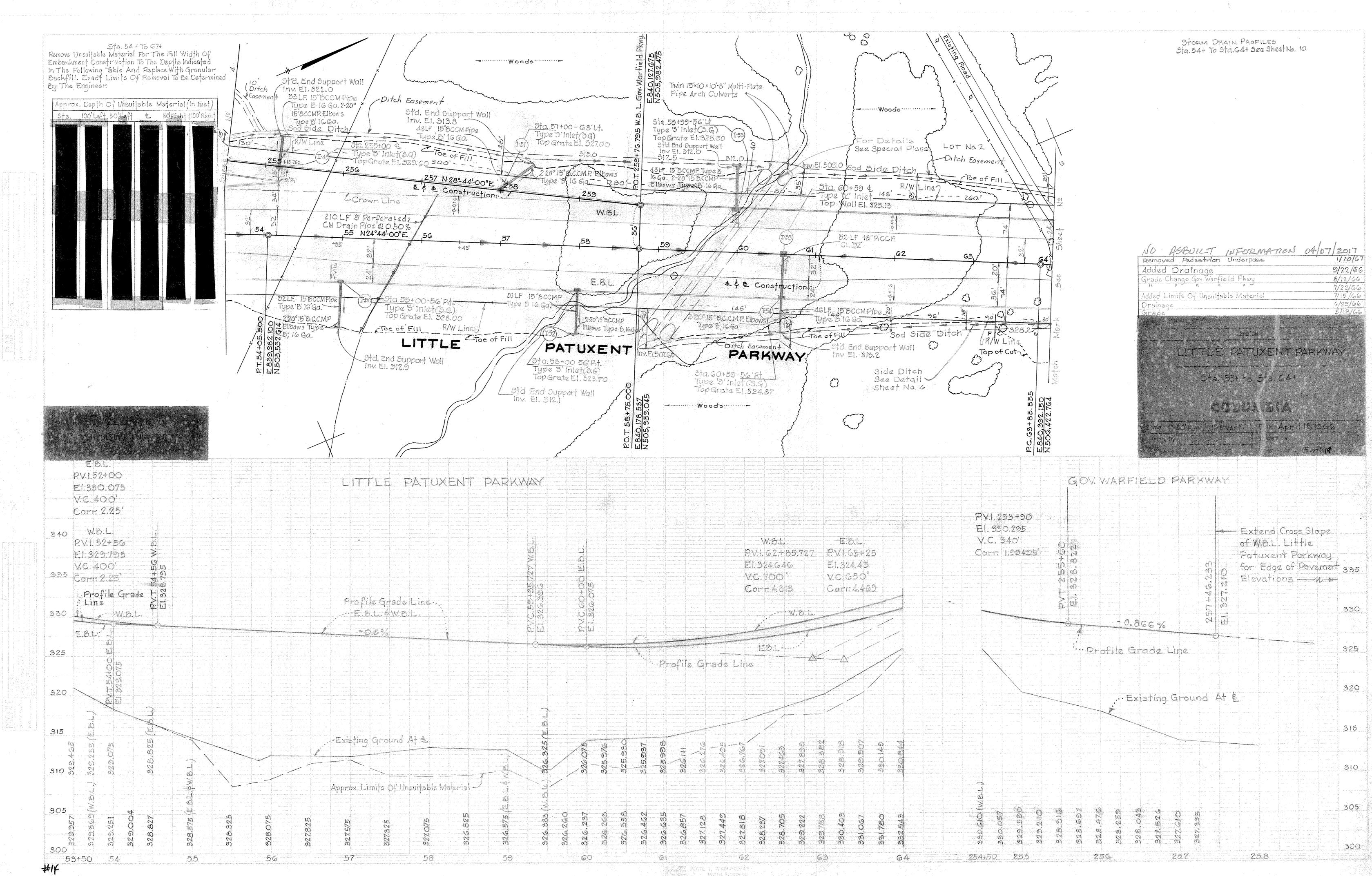


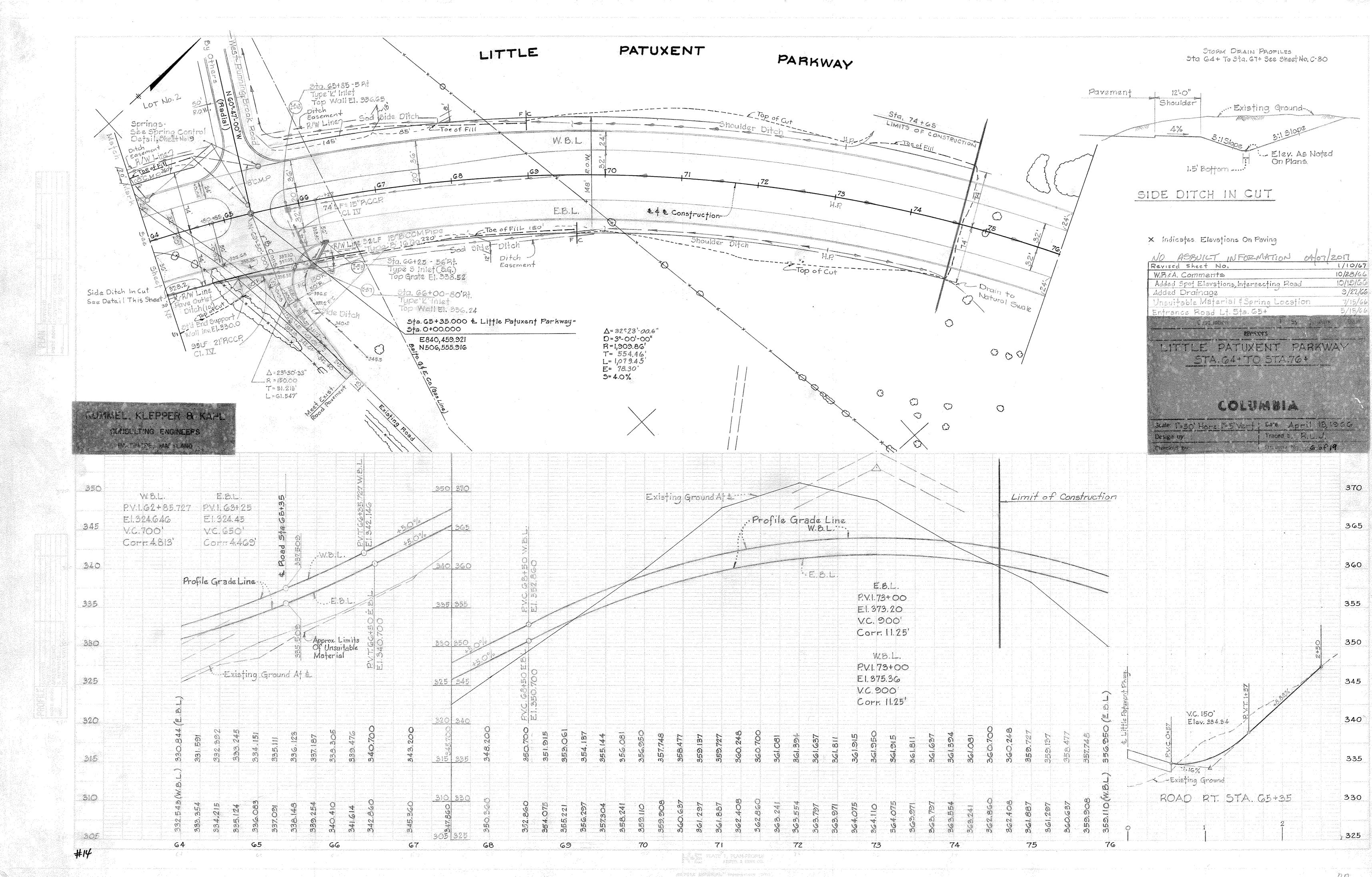
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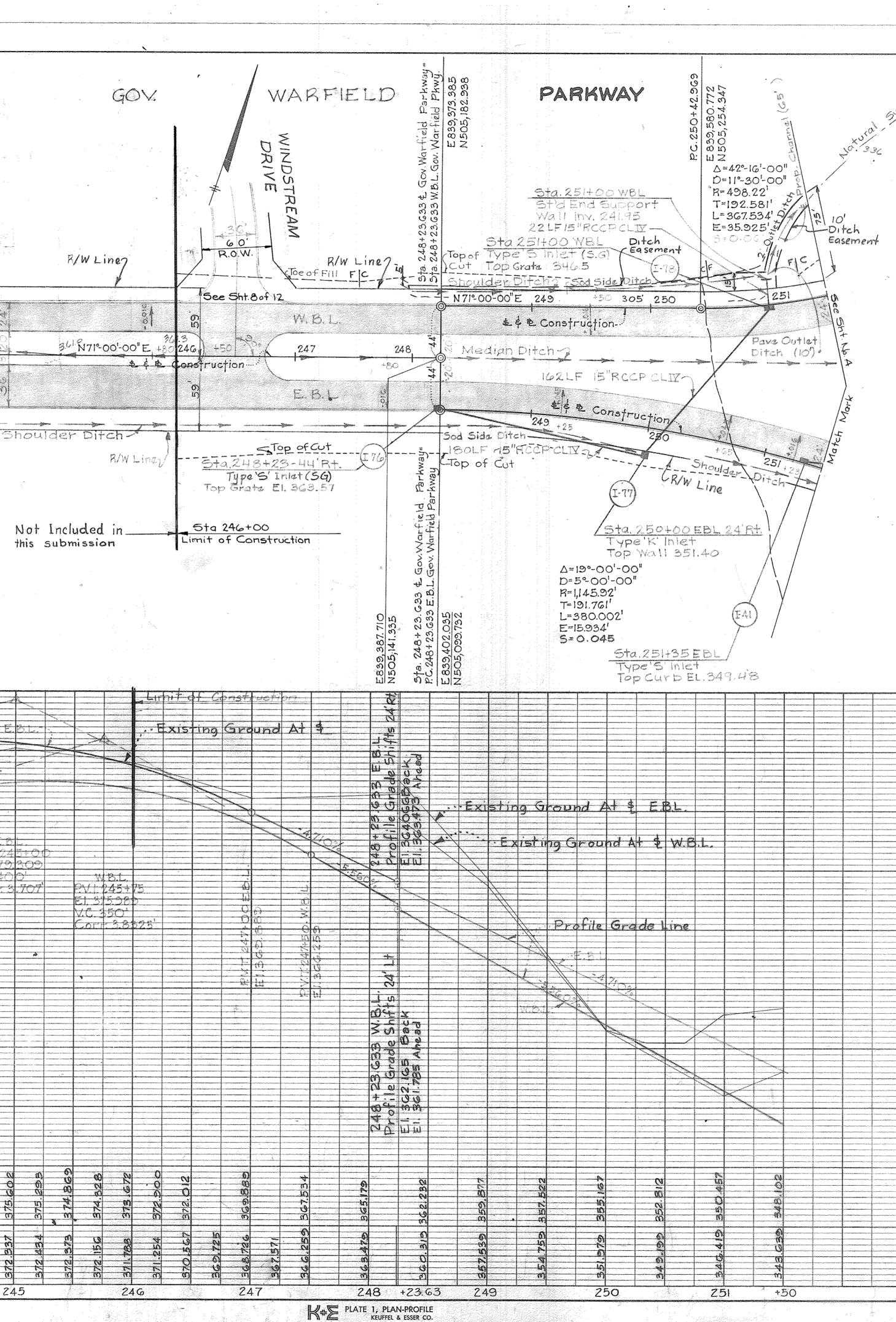
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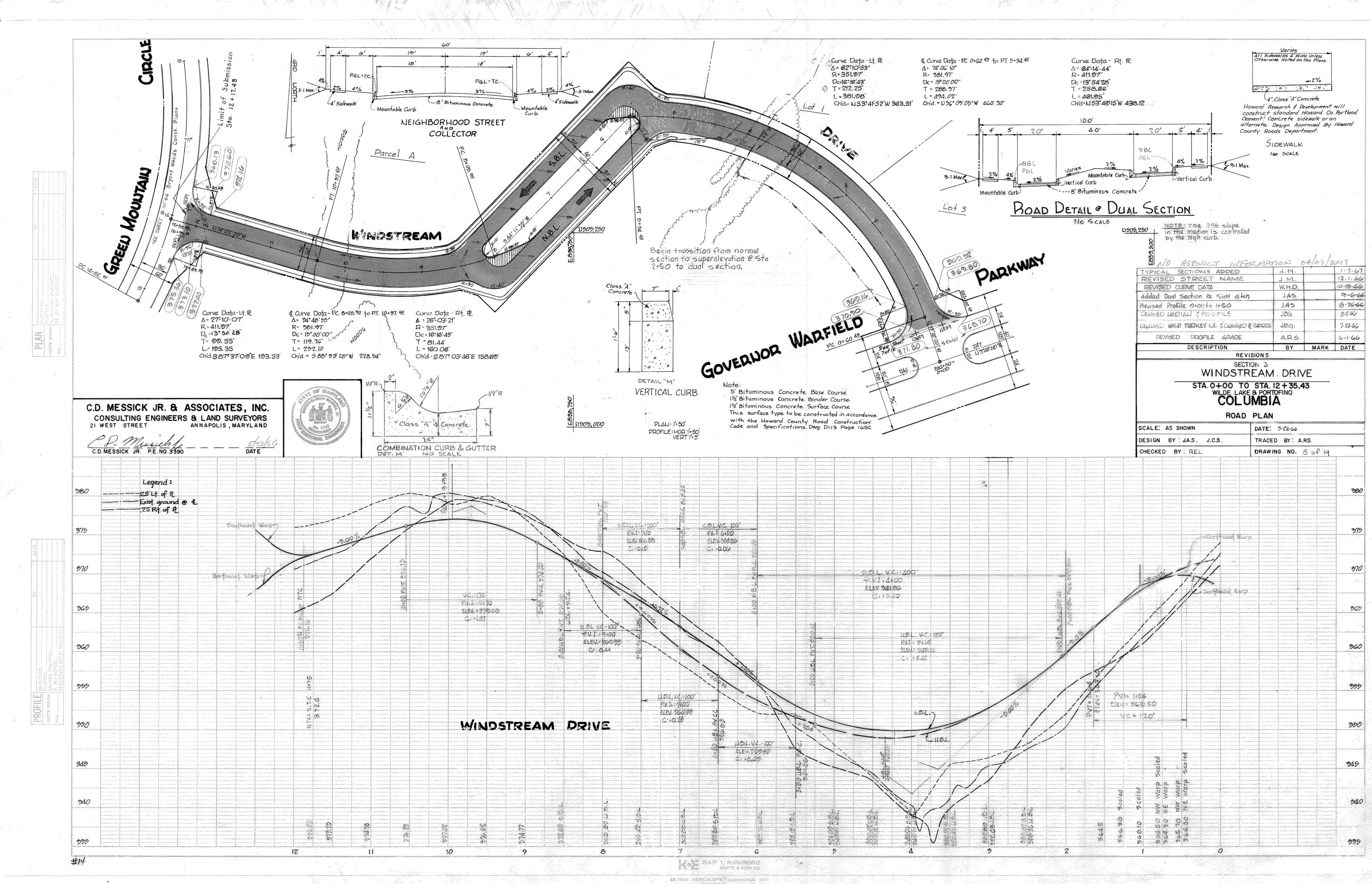


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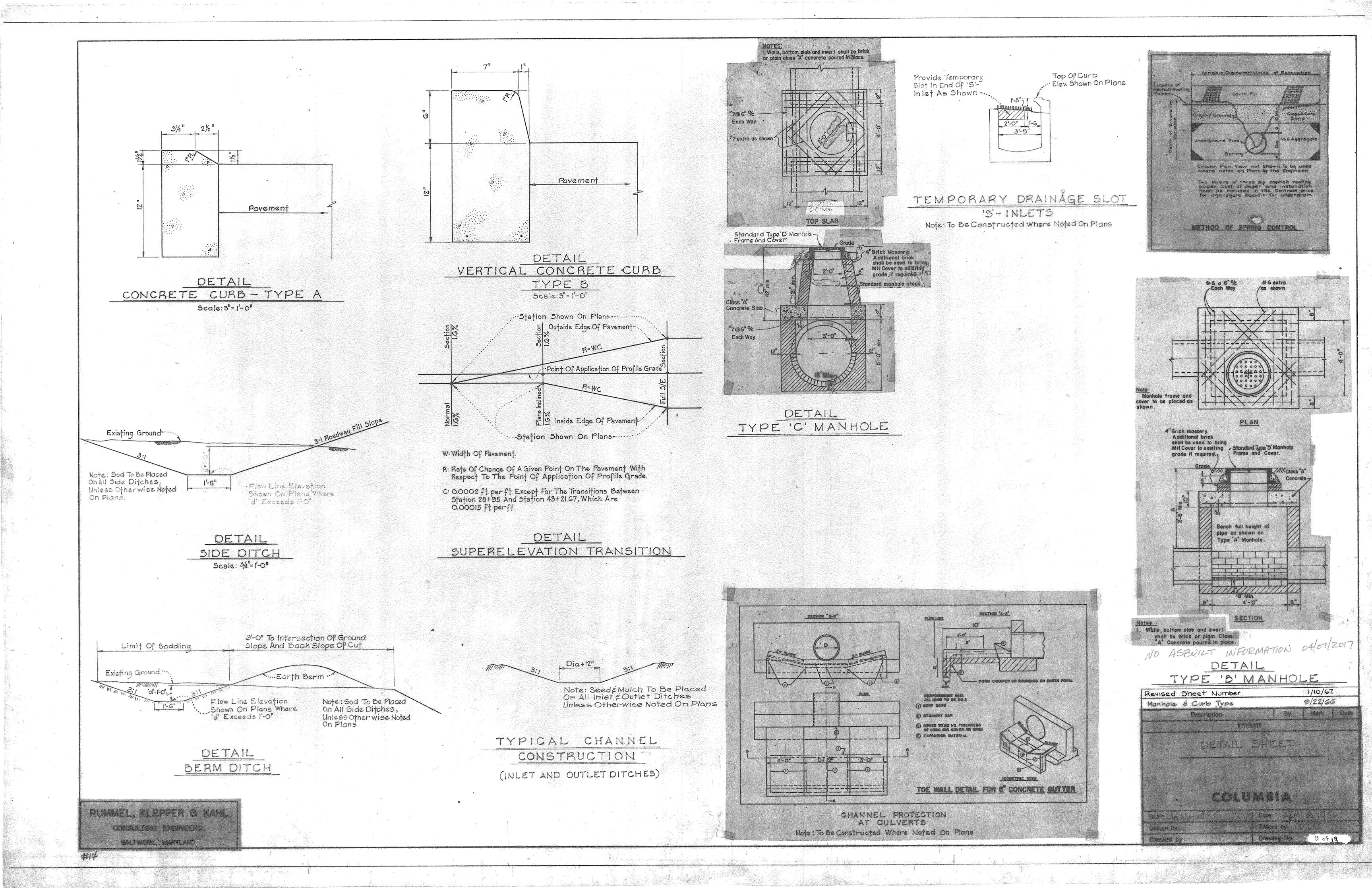
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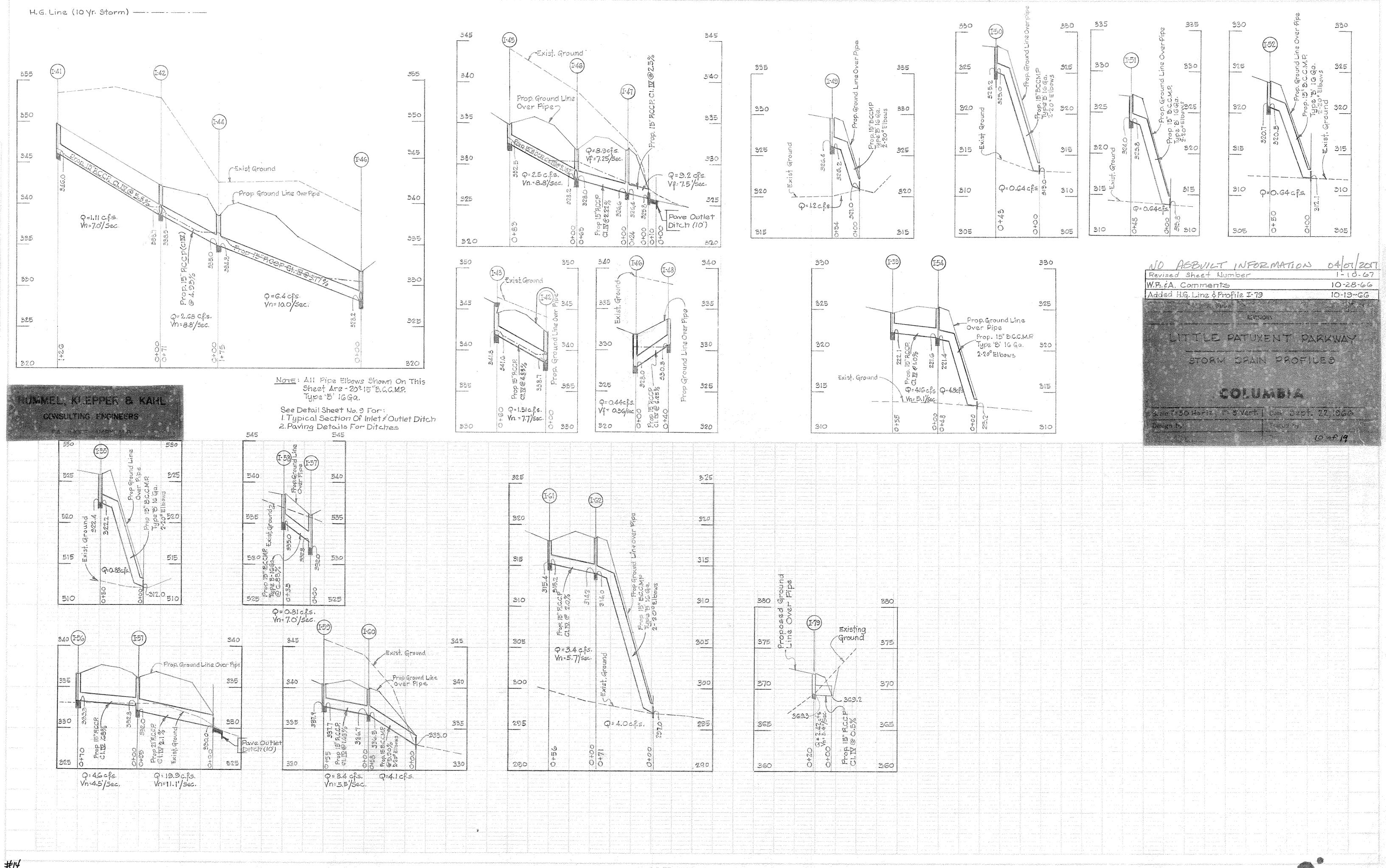
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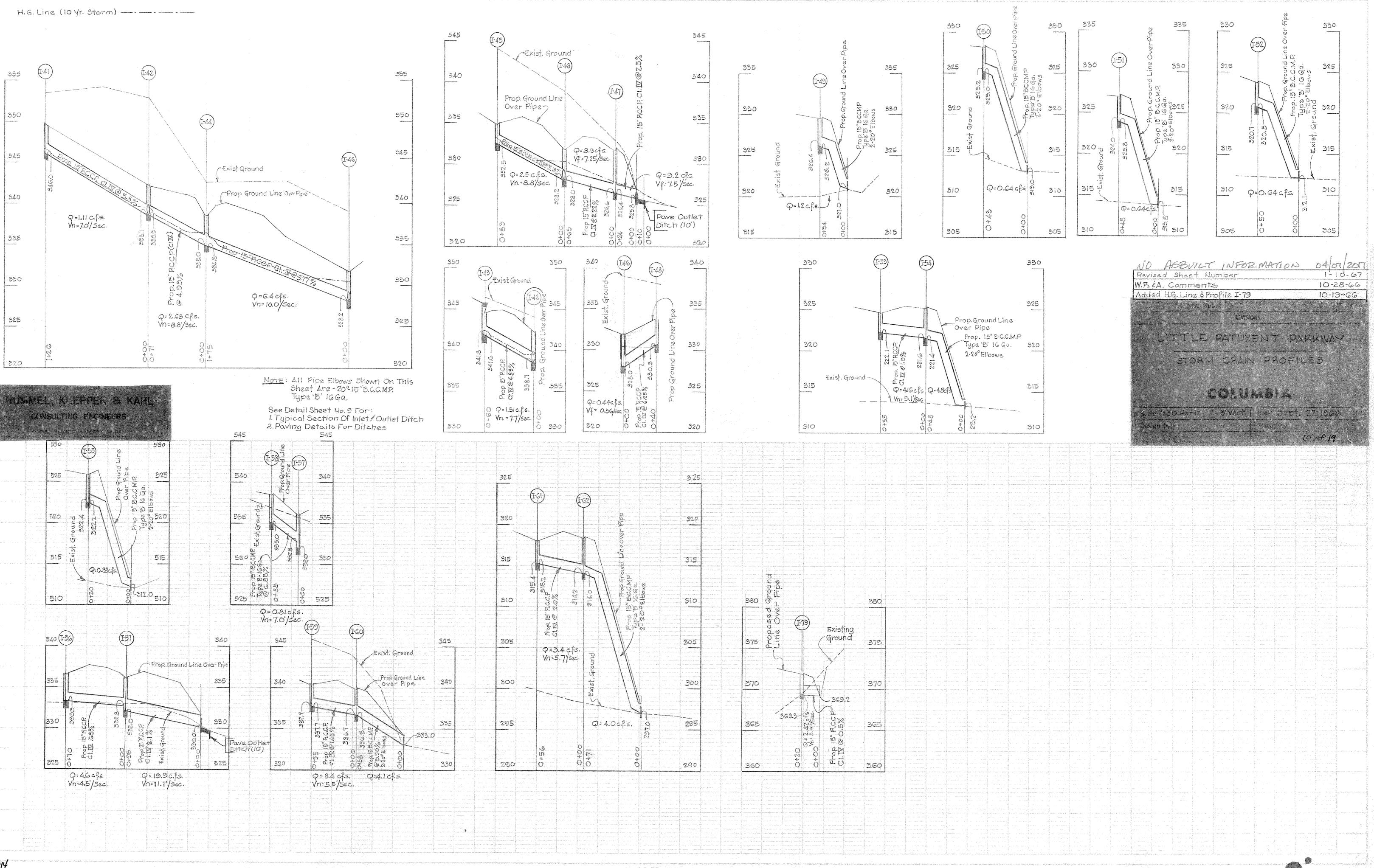


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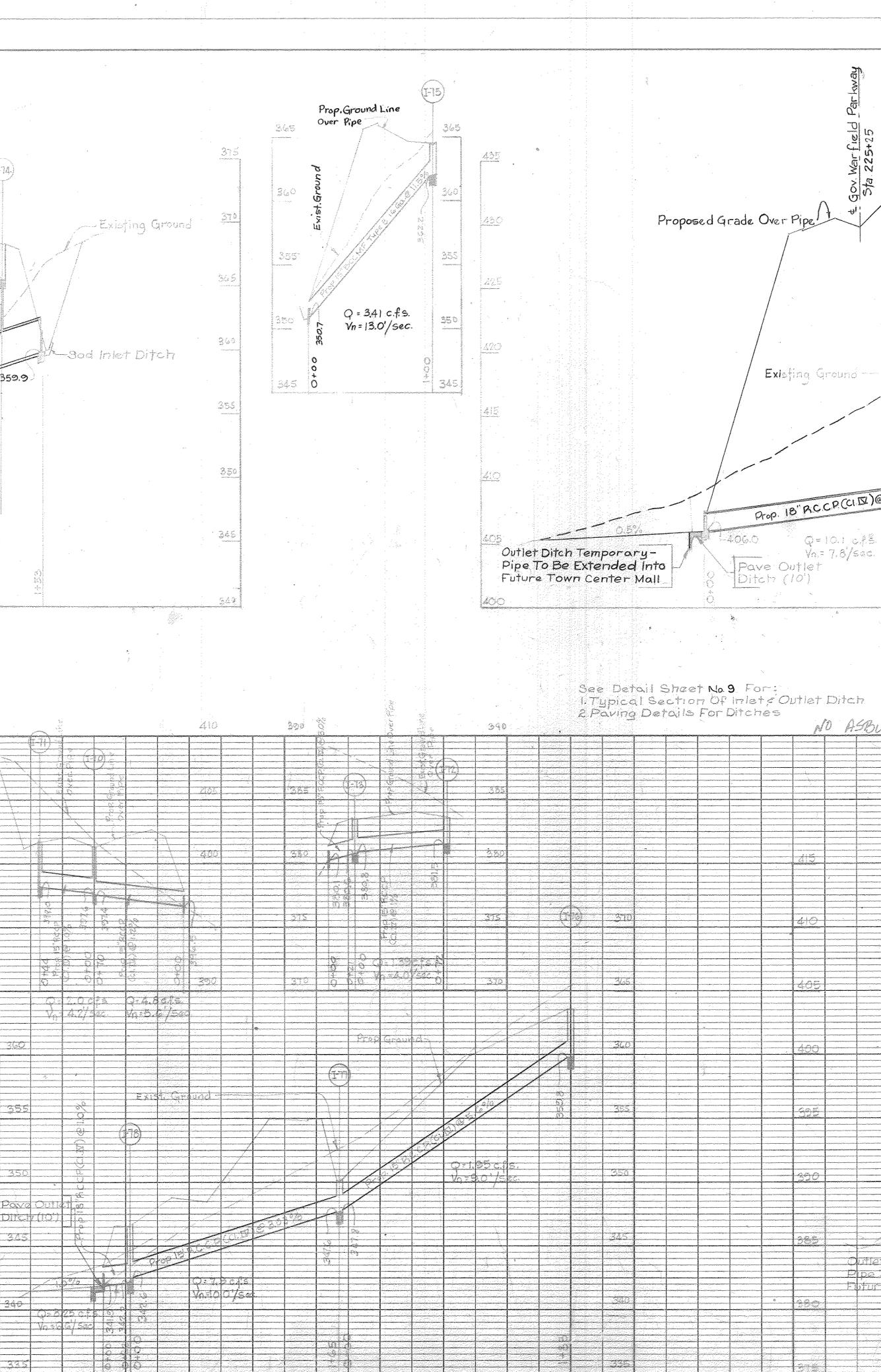
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(1-74) & Gov. Warfield | Sta. 240 +68 365.5 Proposed Grade Over Pipe 361.5~ 30" R.C.C.P.@ 3.2% (CI.IV) 359.9 Q= 63.2 c.f.s Vn=15.0/Sec. 5" Conc. Ditch Paving -355.0 PLAN SURVEYED NOTE BOOK PLOTTED ND. RT. OF WAY C RUMMEL, KLEPPER & KAHL CONSULTING ENGINEERS BALTHACHE MARYLAND (7.63) 4.0 40 703 |-____ _____. , Jacobson de Santo -----2 400 10771038-6.6 THOR PARA 4-8-1---_____ Q= 4.7 at V.= 3-7/=* un fam sin far an an a far an an a far a she a far a she a far a she a far a f and the second secon -----260 755 L ann a she the the second as the second s 191 191 -----IS a ZI PROFILE SURVEY NOTE BOOK CRADES NO. B. M.S. D. STRUCT n en ster en til filler om settere prover en se prover na series de la construcción de la La construcción de la construcción d --Careford - Constant has been a لي الم 625 7275 × 200 475 ing and a ------- 2 and the second anionali na star energy constants and the second s Second 320 _____ 222 _____

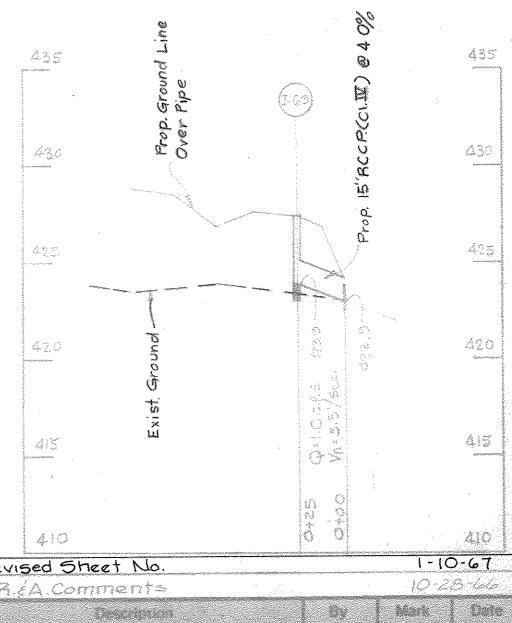
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KAN PLATE 1, PLAN-PROFILE

48 7012 IMPERIAL¹⁸ TRACING CLOTH 27790

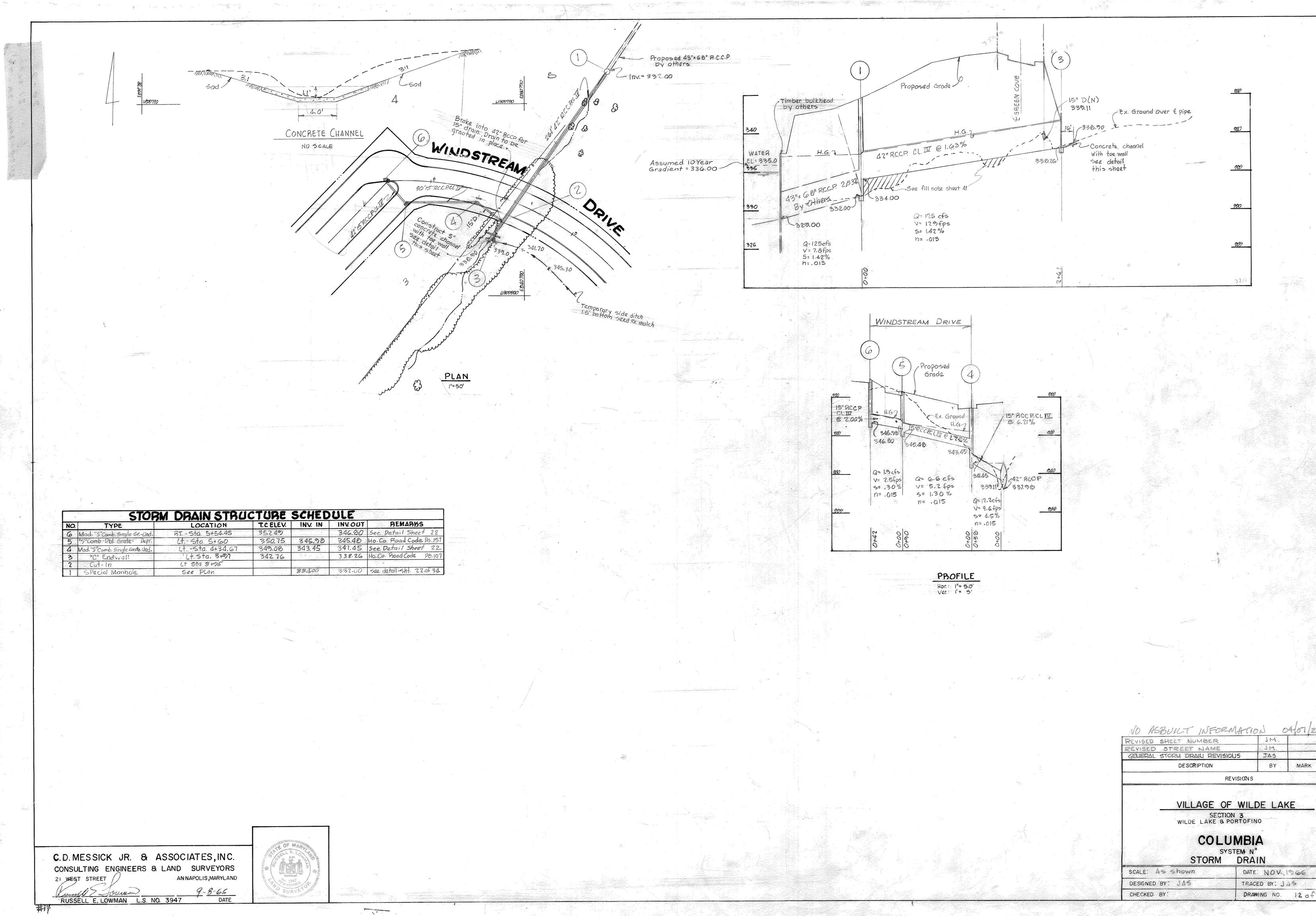
Gov. War Sta. 22 1.68 425 420 40 40 Revised Sheet No. Prop. 18" R.C.C.P.(CI.IV)@ 1.34% W.R. (A. Comments <u> 400,0</u> Constant and Q=10.1 c.P.Š. Vn.= 7.8/sec. 404 480



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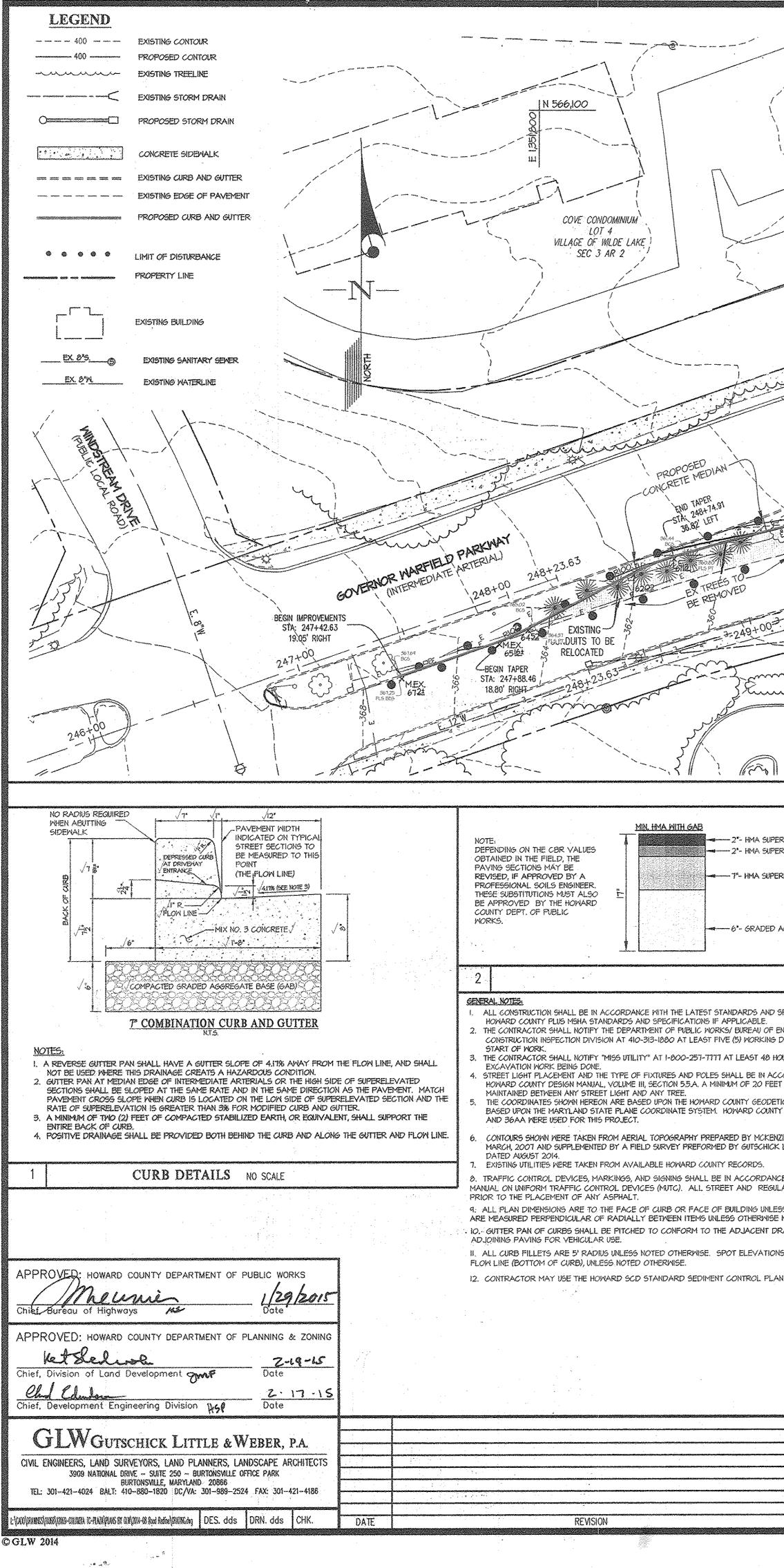
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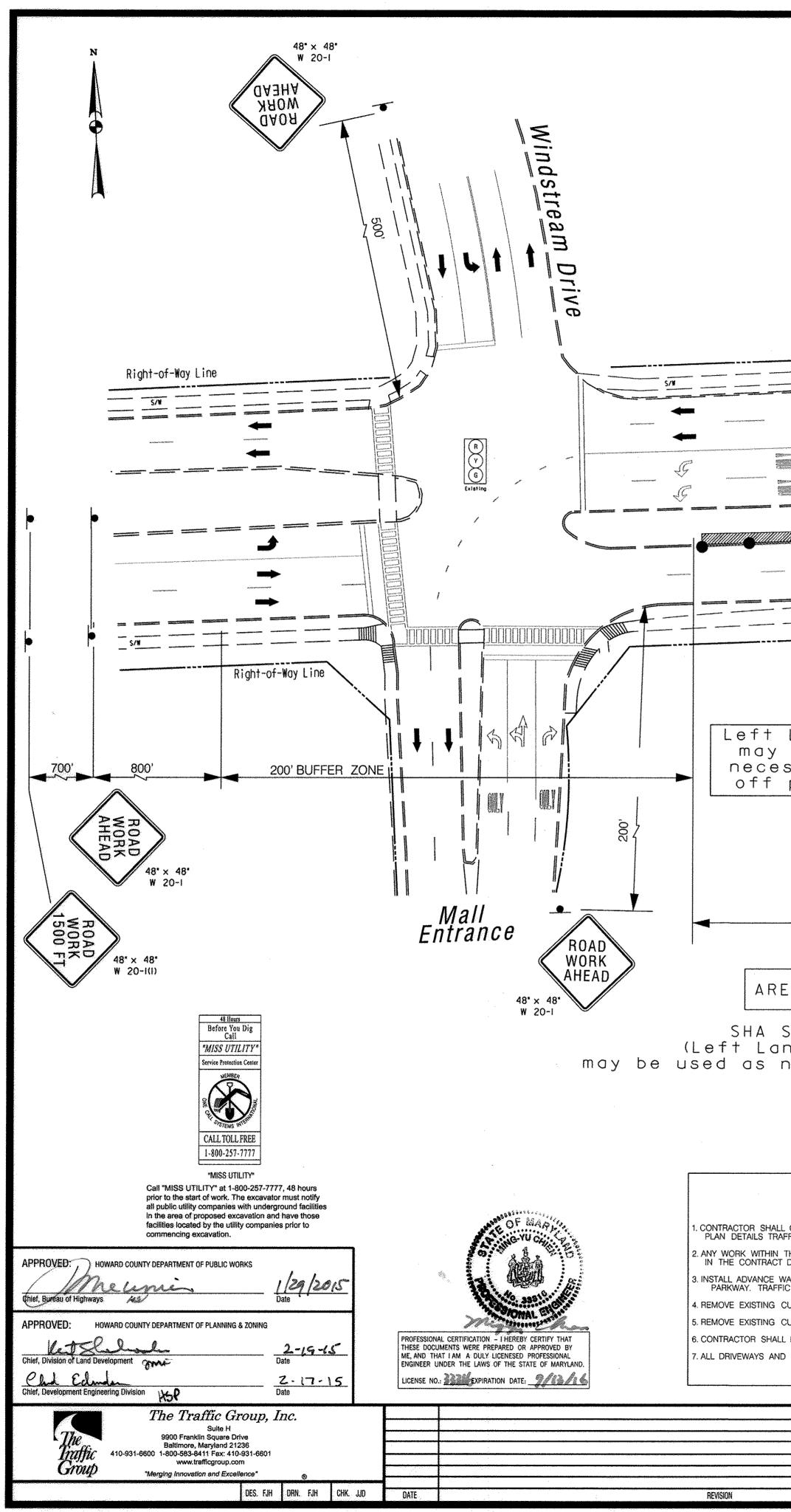


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REVISED STREET NAME	M.L		12-1-66
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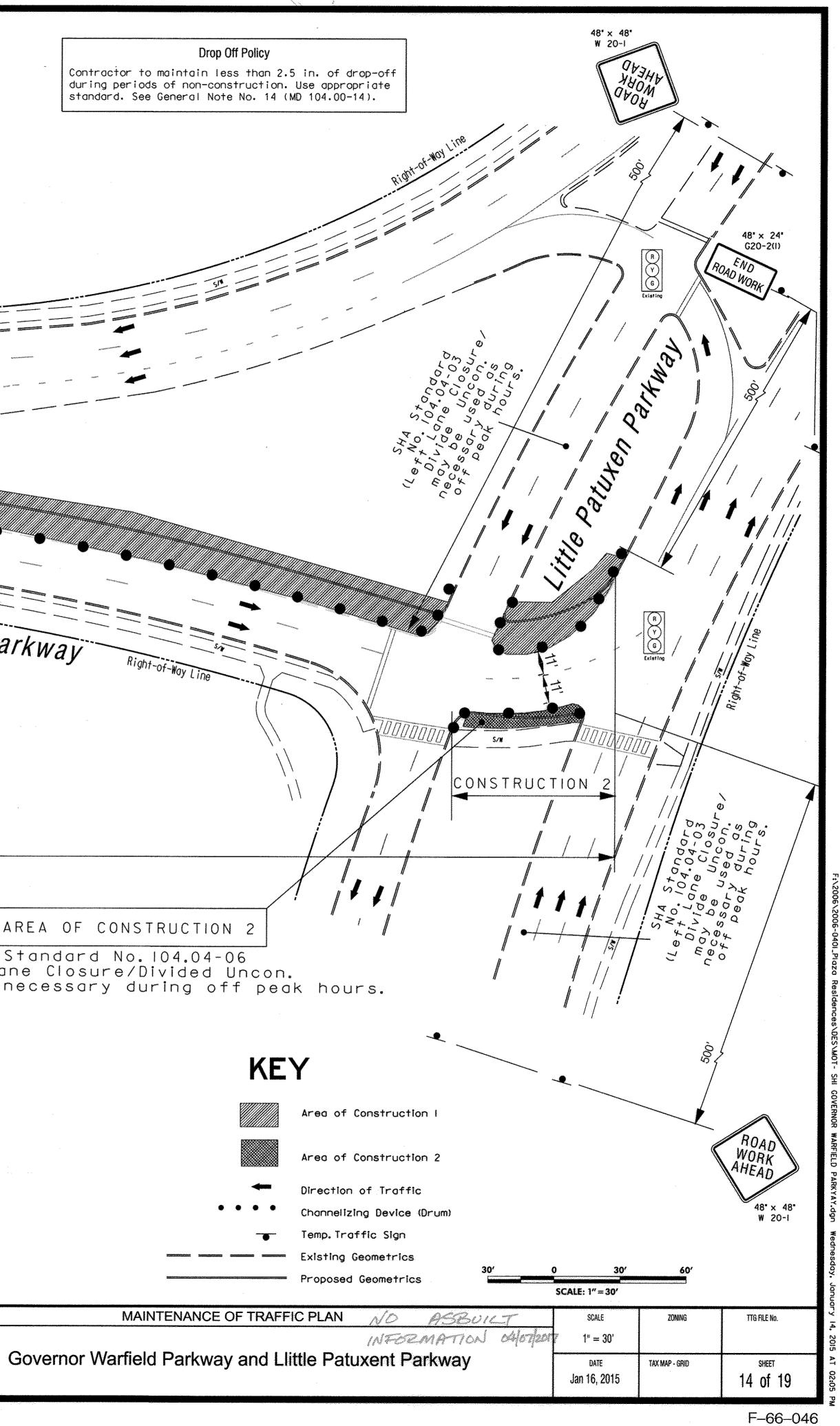
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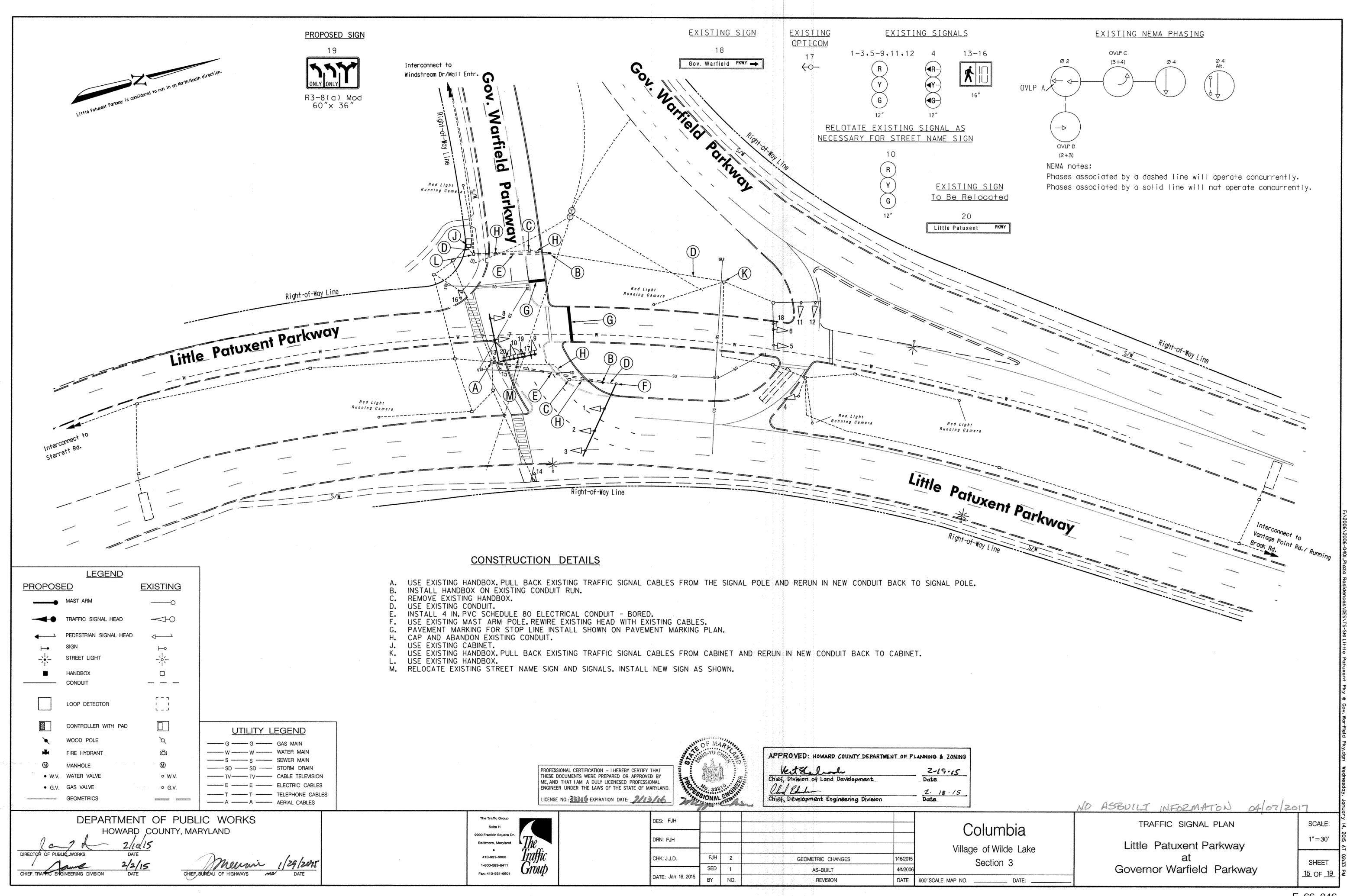


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NOTED. PROFESSIONAL CERTIFIC RAINAGE PATTERN OF THE I hereby certify that these	e documents were prepared or I am a duly licensed professional If the State of Maryland, License	AS			
4/7/17 Date	CHA Carl K. Outschick Professional Engineer Maryland Reg. No. 12975	NO TYPE WIDTH TOP EL (INSIDE) UPPER I-I A-5 INLET 2' - 6" 343.20 343.14 343.14	EVATIONINVERT ELEVATIONSTD. DETAILLOMERUPPERLOWER342.80339.03342.84339.23		REMARKS ET 2 OF 2
PREPARED FOR:	PROFESSIONAL CERTIFICATION	GRADING PLAN FOR GOV. WARFILED	IMPROVEMENTS	SCALE ZONING	G. L. W. FILE No.
LPP INVESTORS LLC	States and the second sec	-			12069
10211 WINCOPIN CIRCLE SUITE 100 COLUMBIA, MD 21044	WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER LINDER THE	COLUMBIA VILLAGE OF WILDE LA	KE		
10211 WINCOPIN CIRCLE SUITE 100 COLUMBIA, MD 21044 Attn: DAVID COSTELLO 410-740-9500 BY	THEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975 EXPIRATION DATE: MAY 26, 2016 1/14/15		KE HOWARD COUNTY, MARYLAND	AS SHOWN NI DATE TAX MAP - GRID APR., 2017 JAN., 2015 30-20	sheet 13 OF 19



Governor Warfield Parkway Right-of-Way Right-of-Way Line Governor Warfield Parkway Right-of-Way 1 Left Lane Closure may be used as necessary during off peak hours. CONSTRUCTION I AREA OF CONSTRUCTION I AREA OF CONSTRUCTION 2 SHA Standard No.104.04-04 (Left Lane Closure/Divide Uncon. may be used as necessary during off peak hours. SHA Standard No.104.04-06 (Right Lane Closure/Divided Uncon. may be used as necessary during off peak hours. SEQUENCE OF OPERATION CONTRACTOR SHALL CONSULT THE MD-SHA BOOK OF STANDARDS FOR THE CURRENT TYPICALS AND NOTES FOR IMPLEMENTING TEMPORARY TRAFFIC CONTROL. PLAN DETAILS TRAFFIC CONTROL FOR PEAK-HOUR HOUR MOVEMENTS UTILIZE TYPICALS AS NOTED FOR NON-PEAK HOUR WORK ZONES AS NECESSARY. 2. ANY WORK WITHIN THE TRAVELED PORTION OF THE ROADWAY SHALL BE RESTRICTED TO THE HOURS BETWEEN 9:00 AM AND 3:00 PM UNLESS NOTED IN THE CONTRACT DOCUMENTS. 3. INSTALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES (DRUMS) INCLUDING PEDESTRIAN DETOUR (POSTED SPEED IS 35 MPH FOR GOVERNOR WARFIELD PARKWAY. TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THEY ARE NO LONGER NEEDED. 4. REMOVE EXISTING CURB AND GUTTER AND BUILD THE EASTBOUND CONSTRUCTION: AREA 1. INSTALL NEW CURB AND GUTTER MODIFY TRAFFIC SIGNAL REMOVE EXISTING CURB AND GUTTER AND BUILD THE EASTBOUND CONSTRUCTION AREA 2. INSTALL NEW CURB AND GUTTER 6. CONTRACTOR SHALL RESTORE CONSTRUCTION AREA BACK TO EXISTING GRADE AT THE END OF THE WORK DAY. 7. ALL DRIVEWAYS AND ROADWAY SHALL REMAIN OPEN AND UNOBSTRUCTED BY ANY CHANNELIZING DEVICES DURING PERIODS OF NON-CONSTRUCTION. Columbia Village of Wilde Lake Section 3 BY APP'R.





	PROFESSIONAL CERTIFICATION – I HEREBY THESE DOCUMENTS WERE PREPARED OR ME, AND THAT I AM A DULY LICENESED ENGINEER UNDER THE LAWS OF THE ST LICENSE NO.:	APPROVED BY PROFESSIONAL TATE OF MARYLAND.	No. 335	ALCON CONTRACT	Chie Chie	PROVED: HOWARD COUNTY DEPA Kettelele f. Division of Land Development <i>Lelele</i> f. Development Engineering Divisio	-	LANNING & 201
The Traffic Group Suite H		DES: FJH						
9900 Franklin Square Dr. Baltimore, Maryland	he	DRN: FJH						
410-931-6600 In	affic	CHK: J.J.D.	FJH	2		GEOMETRIC CHANGES	1/16/2015	
1-800-583-8411 Fax: 410-931-6601	roup		SED	1		AS-BUILT	4/4/2006	
	· •	DATE: Jan 16, 2015	BY	NO.		REVISION	DATE	600' SCALE MAI

F-66-046

PROJECT DESCRIPTION GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE GEOMETRICS FOR EASTBOUND GOVERNOR WARFIELD PARKWAY THE SIGNAL OPERATION WILL REMAIN UNCHANGED. LITTLE PATUXENT PARKWAY IS CONSIDERED TO RUN IN A NORTH/ SOUTH DIRECTION.

EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

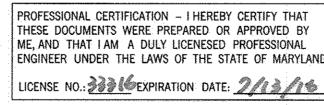
QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
1	ΕA	$60'' \times 36''$ R3-8(a) MOD SIGN WITH MAST ARM MOUNTING HARDWARE
2	EA	HANDBOX
145	LF	4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED
1	ΕA	RELOCATE EXISTING MAST ARM MOUNTED SIGN
1	EA	RELOCATE SIGNAL HEAD
LUMP SUM	LS	REMOVE EXISTING SIGNAL EQUIPMENT
LUMP SUM	LS	RE-ROUTE EXISTING CABLES (APROX 1200 LF)

APPROVED: HOWARD COUNTY DEPARTMENT	OF PLANNING & ZONING
Kathlich.	2-19-15
Chief, Division of Land Development	Dote
Chid Edudace	2 - 18 - 15
Chief Development Engineering Division	Date

DEPARTMENT	OF PUBLIC	WORKS	
HOWARD	COUNTY, MARYL	AND	
20-7-h- 2/0	uls		
DIRECTOR OF PUBLIC WORKS DATE			1.
	15		1/29/2015
CHIEF, TRAFFIC ENGINEERING DIVISION DATE	CHIEF-BUREAL	J OF HIGHWAYS MS	DATE

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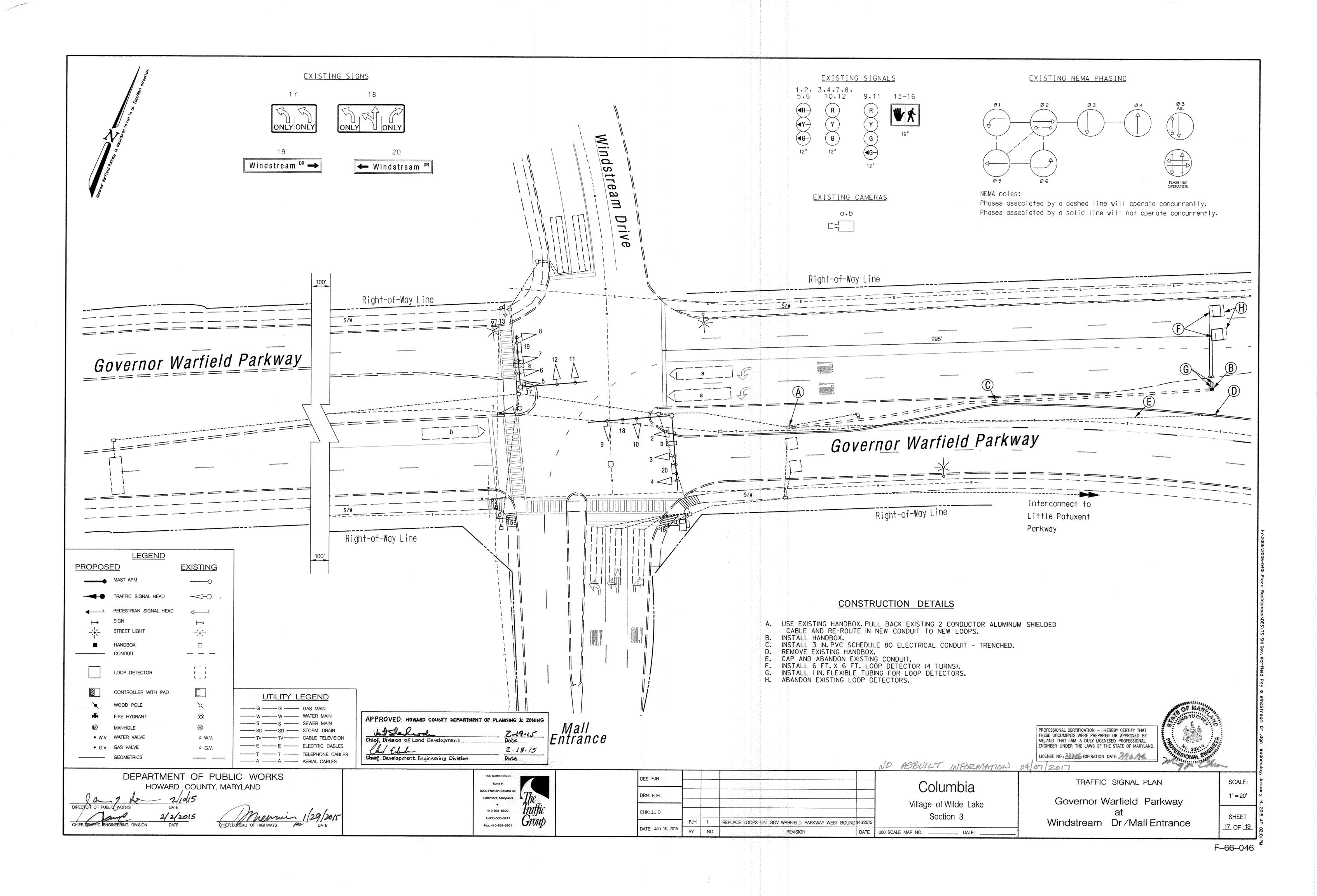




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	Interd Sterr	ormeet to ott Rd.	4/1-1- 4/1- /p			4 ==		* *				> * * * * *	*	* } EXISTING CABLE TO BE USE AND RE-ROUTED BACK FROM HANDBOX TO CABINET	
DN - I HEREBY CERTIFY THAT PREPARED OR APPROVED BY LY LICENESED PROFESSIONAL WS OF THE STATE OF MARYLAND. IRATION DATE: 2/13/16 DES: FJH											, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		D A	ASBUILT INFORMATION 04/07/2017	SCALE:
DRN: FJH CHK: J.J.D. FJH SED	2 1 NO.	GEOMETRIC CHANGES AS-BUILT REVISION		1/21/2015 4/4/2006 DATE	600' SCA		Village	olun of Wi Section	ilde n 3	Lake				Little Patuxent Parkway at	N/A N/A SHEET OF <u>19</u>

The Traffic Group Sulte H 9900 Franklin Square Dr Baltimore, Maryland ۰. 410-931-6600 1-800-583-8411 Fax: 410-931-6601





PROJECT DESCRIPTION GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF THE LOOP DETECTION FOR WESTBOUND GOVERNOR WARFIELD PARKWAY. THE SIGNAL OPERATION IS TO REMAIN UNCHANGED. GOVERNOR WARFIELD PARKWAY IS CONSIDERED TO RUN IN A EAST/ WEST DIRECTION.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	EA	MAINTENANCE OF TRAFFIC
LUMP SUM	EA	MOBILIZATION
1	EA	HANDBOX
160	LF	3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
10	LF	1 IN. LIQUID TIGHT FLEXIBLE CONDUIT FOR DETECTOR SLEEVE
155	LF	SAWCUT FOR SIGNAL LOOP DETECTOR
225	LF	LOOP DETECTOR WIRE ENCASED IN FLEXIBLE TUBING
LUMP SUM	LS	RE-ROUTE EXISTING CABLES (APPROX 500LF)

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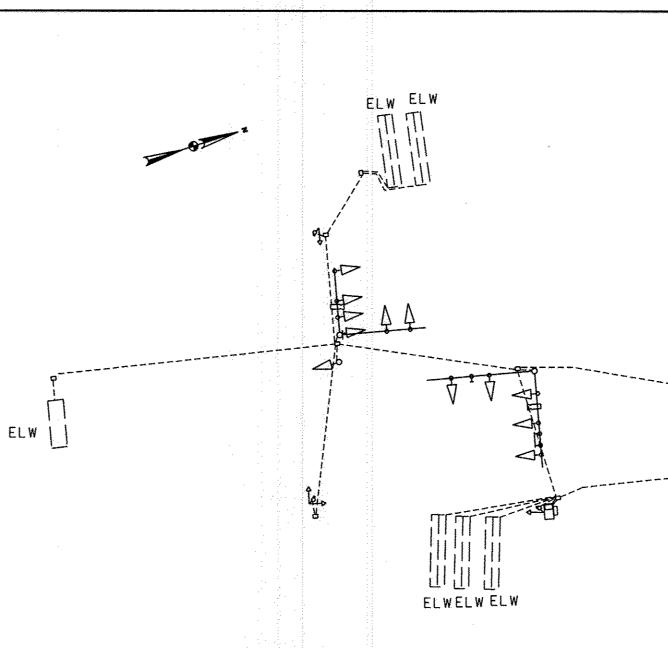
APPROVED: HOWARD COUNTY DEPARTMENT OF	PLANNING & ZONING
Ket Selsoon	2-19-15
Chief, Division of Land Development	Date
Chil Edude	2.18.15
Chief, Development Engineering Division	Date

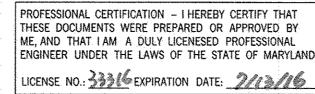
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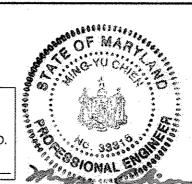
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DEPARTMENT OF P	PUBLIC WORKS
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DIRECTOR OF PUBLIC WORKS DATE	The II
2/2/2015	/ Meun 1/29/2015
CHIEF, TRAFFIC ENGINEERING DIVISION DATE	CHIEF, BUREAU OF HIGHWAYS Me ' DATE

		Phase Chart		
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		Columbia	GENERAL INFORMATION PLAN	SCALE:
		Columbia	Governor Warfield Parkway	N⁄A
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FJH 1	REPLACE LOOPS ON GOV WARFIELD P	Village of Wilde Lake Section 3	at	SHEET





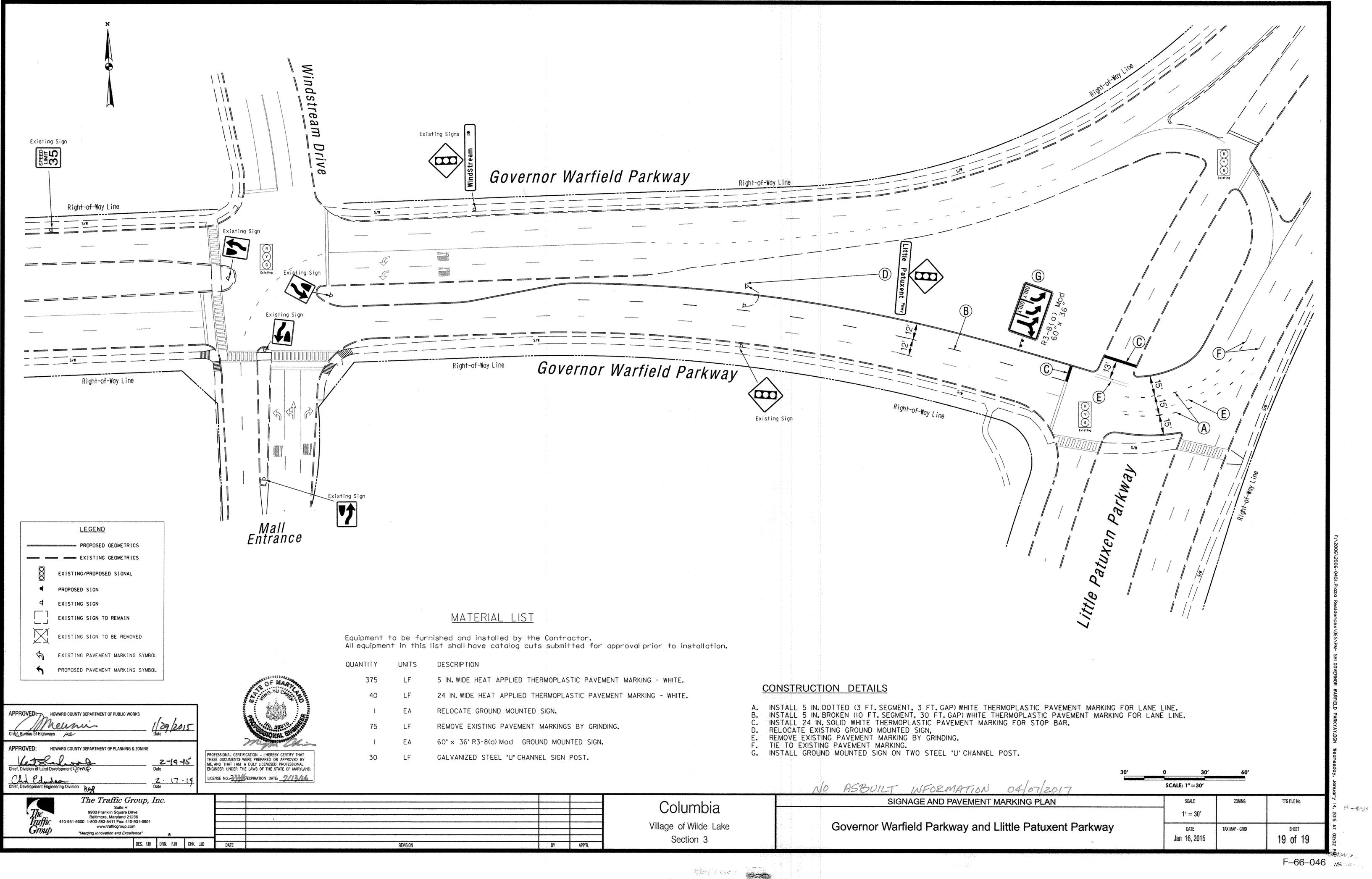


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		Wiring Diagram		
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		Columbia	GENERAL INFORMATION PLAN	SCALE
FJH			Governor Warfield Parkway	N⁄A
FJH	REPLACE LOOPS ON GOV WARFIELD PARI	Village of Wilde Lake Section 3	Governor Warfield Parkway at Windstream Dr/Mall Entrance	N⁄A SHEET

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