

Plotted By: Doughty, Derik. Sheet Set: Fairfax North West Street. Layout: TITLE SHEET. January 31, 2017 05:50:31pm. K:\NVA_RDWY\110213032_fairfax_north_west_street\CAD\plansheets\1 TITLE SHEET-110213032.dwg

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FUNCTIONAL CLASSIFICATION

STREET CLASS	URBAN MINOR ARTERIAL
AADT (2014)	4,200
AADT (2035)	5,352
DHV	517.5
D (%)	56.1%/43.9%
T (%)	1%
DESIGN V (mph)	30 MPH
POSTED V (mph)	25 MPH

SHEET INDEX

- SHEET NO.
- 1 TITLE SHEET
 - *1A GENERAL NOTES
 - *1B GENERAL NOTES: UTILITIES
 - 1C RIGHT OF WAY DATA
 - 1D SURVEY CONTROL DATA
 - 1E CONSTRUCTION ALIGNMENT DATA
 - 1F GEOMETRIC DETAILS
 - 1F(1) DRIVEWAY AND CURB RAMP DETAILS
 - *1G UNDERGROUND UTILITY TEST HOLE DATA
 - 1H TRANSPORTATION MANAGEMENT PLAN NOTES AND NARRATIVE
 - 1H(1) TRANSPORTATION MANAGEMENT PLAN
 - 1H(2) TRANSPORTATION MANAGEMENT PLAN DETAILS
 - 1H(3) TRANSPORTATION MANAGEMENT PLAN DETAILS
 - 2 TYPICAL SECTIONS AND DETAILS
 - 2A VDOT STANDARD DETAILS
 - 2B EROSION AND SEDIMENT CONTROL NARRATIVE
 - 2B(1) EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
 - 2B(2) EROSION AND SEDIMENT CONTROL PLAN
 - 2C PRE-DEVELOPMENT DRAINAGE DIVIDES
 - 2C(1) POST-DEVELOPMENT DRAINAGE DIVIDES
 - 2D STORM DRAINAGE COMPUTATIONS
 - 2E STORM DRAINAGE PROFILES
 - 2F PROJECT DATA SHEET
 - *2F(1) EVIDENCE OF NUTRIENT CREDIT PURCHASE
 - 2G OUTFALL ANALYSIS MAP
 - 3 PLAN
 - 3A ENTRANCE PROFILES
 - 3B CURB RETURN PROFILES
 - 3B(1) CURB RETURN PROFILES
 - 3B(2) CURB RETURN PROFILES
 - 3B(3) CURB RETURN PROFILES
 - 4 SIGNING AND STRIPING PLAN
 - 5 TRAFFIC SIGNAL PLAN
 - 5A TRAFFIC SIGNAL GENERAL NOTES AND DETAILS
 - *6 LIGHTING AND PHOTOMETRIC PLAN
 - X1 CROSS-SECTIONS - NORTH WEST STREET
 - X2 CROSS-SECTIONS - GREAT FALLS STREET
 - X3 CROSS-SECTIONS - BRILYN PLACE

* SHEET NOT INCLUDED WITH THIS SUBMISSION

MAINTENANCE LEGEND:

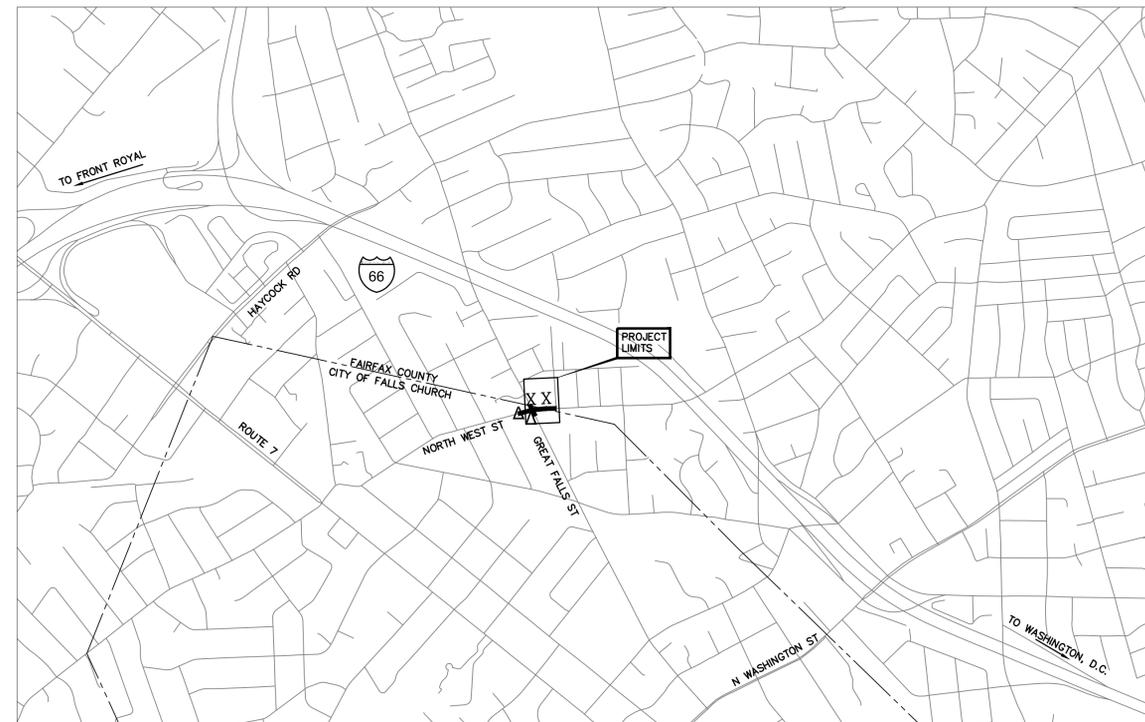
XXX-VDOT
 300 LF-SIDEWALK
 0 LF-TRAIL

000-COUNTY
 0 LF-SIDEWALK
 0 LF-TRAIL

AAA-FALLS CHURCH
 200 LF-SIDEWALK
 0 LF-TRAIL

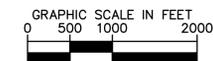


FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS
 AND ENVIRONMENTAL SERVICES
 PROJECT NO. ST-000036-003
 FUND NO. 300-C30050



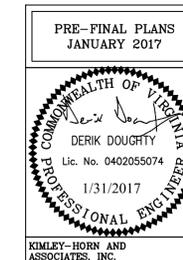
DISTRICT NAME: DRANESVILLE

SCALE: 1"=1,000'
 TAX MAP GRID: 40-4



PROGRAMMATIC WAIVER TO THE STANDARD REPORT FOR SIDEWALK BUFFER STRIP WIDTH TO BE SUBMITTED WITH NEXT SUBMISSION. THE WAIVER RELATES TO THE CURB ABUTTED SIDEWALK

THE STORMWATER DETENTION EXCEPTION WAS SUBMITTED ON 01/31/2017. THE EXCEPTION RELATES TO THE STORMWATER DETENTION REQUIREMENT UNDER THE STORMWATER MANAGEMENT ORDINANCE (SWMO).



DESIGN FEATURES RELATING TO CONSTRUCTION OR REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S:

- ROAD AND BRIDGE SPECIFICATIONS, DATED 2016
- ROAD AND BRIDGE STANDARDS, DATED 2016
- MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009
- VIRGINIA SUPPLEMENT TO THE 2009 MUTCD, DATED 2011
- VIRGINIA WORK AREA PROTECTION MANUAL, DATED 2011, REVISED 2015

AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U EXCEPT WHERE OTHERWISE NOTED.

PROJECT NAME:
 NORTH WEST STREET SIDEWALK IMPROVEMENTS

FINAL PLANS AUTHORIZED FOR CONSTRUCTION
 PER DPWES/DOT DELEGATION MATRIX

SECTION CHIEF, STORMWATER & TRANSPORTATION
 CONSTRUCTION BRANCH

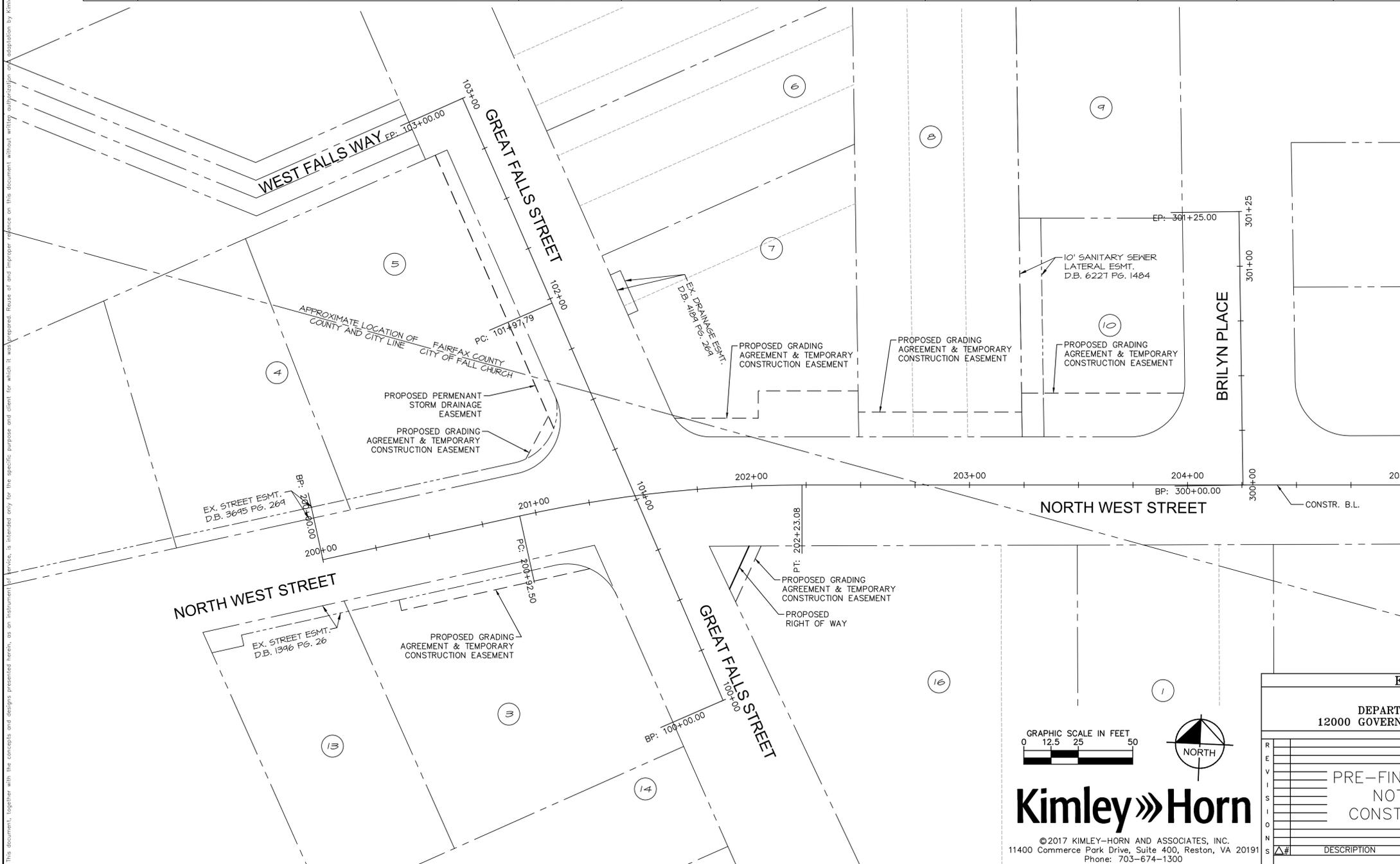
CHIEF, TRANSPORTATION DESIGN DIVISION

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

RIGHT OF WAY DATA SHEET

PARCEL NUMBER	LANDOWNER	AREA								PROFFERS
		TOTAL	FEE TAKING	PRESCRIPTIVE R/W	FEE REMAINDER	EASEMENTS				
						PERMANENT	UTILITY	TEMPORARY	TEMPORARY (ENTRANCES)	
ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	ACRES OR SQUARE FEET	YES / NO	
16	BRADLEY S. PARKER & DENA J. PARKER	20040	180		19860				124	NO
5	MICHAEL A. SHAW & PATRICIA J. SHAW	14750			14750	815			77	NO
7	DEBORAH L. GILPIN & KERRY S. GILPIN	11131			11131				1251	NO
8	SCOTT FREDERICK LISMAN & DENISE BLANCHER LISMAN	14999			14999				852	NO
10	JOHN JOSEPH DILLON & MIRIAM DILLON	7361			7361				1363	NO
3	FREDERICK H. DEGNAN & JUDITH B. DEGNAN	12932			12932				419	NO
	TOTAL	81213	180		81033	815			4086	

- ① DEPUTRON SUBDIVISION PART OF LOT 2 & PART OF LOT 3 W-6 PG. 402 D.B. 0404-12-0034 N/F JASON C. ROBERTSON & JACLYN L. ROBERTSON D.B. 5112 PG.0254
- ② DEPUTRON SUBDIVISION PART OF LOT 3 W-6 PG. 402 D.B. 0404-12-0034 N/F ROHIT S. SATOSKAR & REBECCA T. SATOSKAR D.B. 4900 PG. 1919
- ③ SHERWOOD SUBDIVISION BLOCK "N" LOT 20 D.B. 1946 PG. 26 T.M. 51-12-024 N/F FREDERICK H. DEGNAN & JUDITH B. DEGNAN D.B. 6794 PG.1926
- ④ MAYNARD M. ERWIN PROPERTY SUBDIVISION LOT 2 D.B. 3649 PG. 269 T.M. 51-204-008 N/F SCOTT A. GAMES & BONNIE W. GAMES D.B. 4197 PG.1410
- ⑤ MAYNARD M. ERWIN PROPERTY SUBDIVISION LOT 1 D.B. 3649 PG. 269 T.M. 0404-01-0030 N/F MICHAEL A. SHAW & PATRICIA J. SHAW D.B. 14662 PG. 110
- ⑥ SPEER SUBDIVISION LOTS 3, 4 & PART OF LOT 5 D.B. 6221 PG. 53 T.M. 0404-13-0003 N/F EUGENE F. GALVIN & MARY GALVIN D.B. 6724 PG.1673
- ⑦ SPEER SUBDIVISION LOT 1 & LOT 2 D.B. 6221 PG. 53 T.M. 0404-13-0002 N/F DEBORAH L. GILPIN & KERRY S. GILPIN D.B. 18666 PG. 828
- ⑧ SPEER SUBDIVISION LOT 12, 13 & LOT 14 D.B. 6221 PG. 53 T.M. 0404-13-0012 N/F SCOTT FREDERICK LISMAN & DENISE BLANCHER LISMAN D.B. 21639 PG.1001
- ⑨ SPEER SUBDIVISION RESUBDIVISION OF LOTS 15, 16 & 17 D.B. 6221 PG. 1484 T.M. 0404-13-0011A N/F PAUL ALAN ZUCKER & JANICE ZUCKER D.B. 7746 PG. 442
- ⑩ SPEER SUBDIVISION RESUBDIVISION OF LOTS 15, 16 & 17 D.B. 6221 PG. 1484 T.M. 0404-13-0011B N/F JOHN JOSEPH DILLON & MIRIAM DILLON D.B. 11427 PG.1846
- ⑪ MERIDIAN PARK LOT 35 D.B. 654 PG. 380 T.M. 0404-12-0035 N/F THU PHAM TRAN & TONY THUAN VAN TRAN D.B. 4672 PG. 821
- ⑫ MERIDIAN PARK LOT 36 D.B. 654 PG. 380 T.M. 0404-12-0036 N/F MICHAEL P. THOMAS & JENNIFER T. THOMAS D.B. 15217 PG.400
- ⑬ SHERWOOD SUBDIVISION BLOCK "N" LOT 21A D.B. 1946 PG. 26 T.M. 51-12-023 N/F JERRY A. WOLFORD & CRYSTAL WOLFORD D.B. 4052 PG. 154
- ⑭ SHERWOOD SUBDIVISION BLOCK "N" LOT 22 D.B. 1946 PG. 26 T.M. 51-12-024 N/F ROY JONES III D.B. 4526 PG.2675
- ⑮ SHERWOOD SUBDIVISION BLOCK "N" LOT 23 D.B. 1946 PG. 26 T.M. 51-12-043 N/F SCOTT DEEL & MICHELLE DEEL D.B. 4711 PG. 146
- ⑯ DEPUTRON SUBDIVISION LOT 1 & PART OF LOT 2 D.B. 4197 PG. 402 T.M. 51-12-008 N/F BRADLEY S. PARKER & DENA J. PARKER INST. #20190100015420
- ⑰ PETER M. IDE & MARIAN SIEGEL D.B. 2499 PG.1465 T.M. 05121-0017
- ⑱ JOHN D. LAJARENCE & MARY ANN RALLS D.B. 3024 PG. 1088 T.M. 051-121-006



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GRAPHIC SCALE IN FEET
 0 12.5 25 50

NORTH

Kimley»Horn

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 Phone: 703-674-1300

EMERGENCY POLICE - FIRE - RESCUE 911

FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

CAPITAL FACILITIES
 703-324-5800

North West Street
 Sidewalk Improvements
 RIGHT OF WAY DATA SHEET

PROJECT NO. ST-00036-003 FUND NO. 300-C30050

SCALE HORIZ. = 1"=25' VERT. = N/A

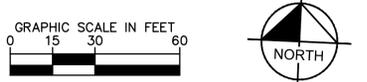
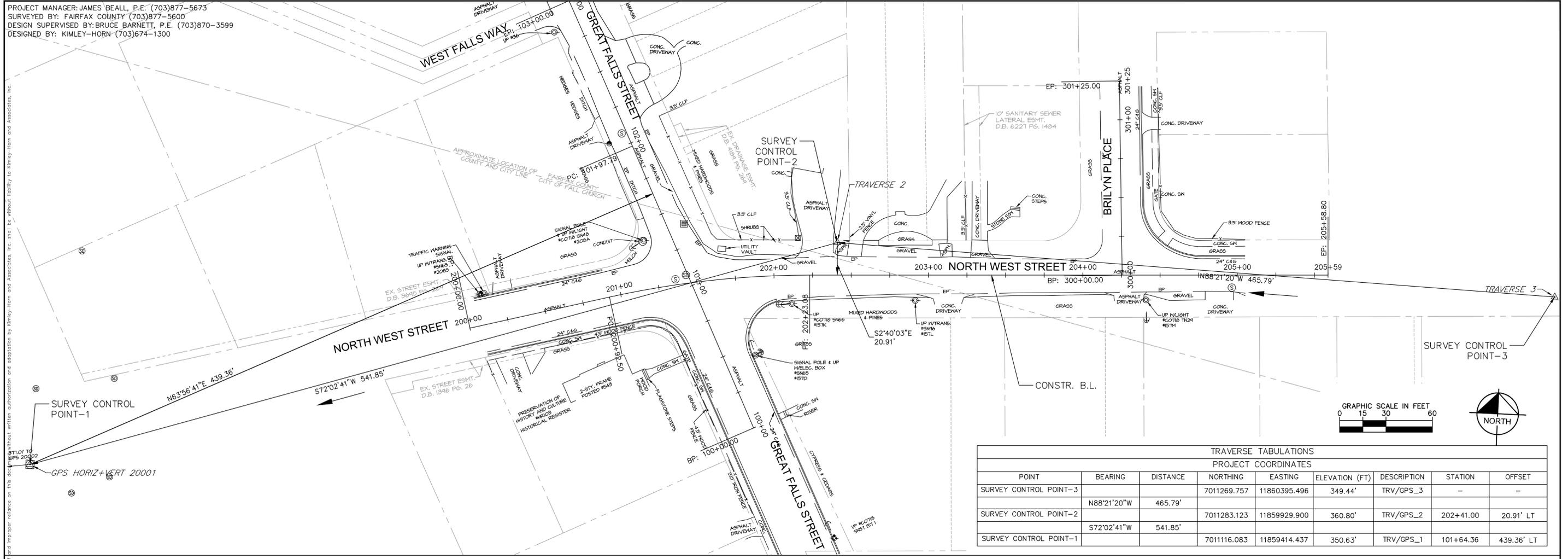
DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB SHEET 1C

NO.	DESCRIPTION	BY	APPROVED	DATE

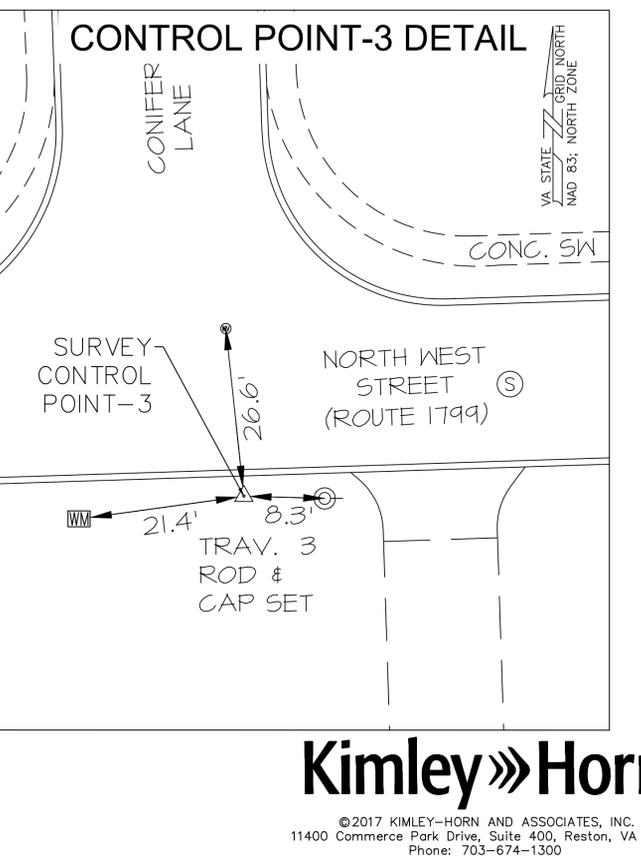
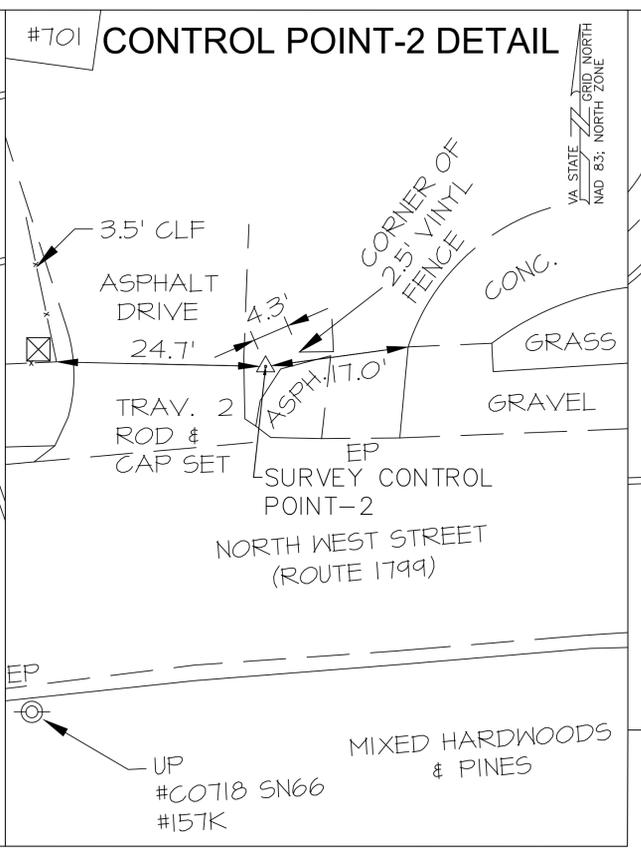
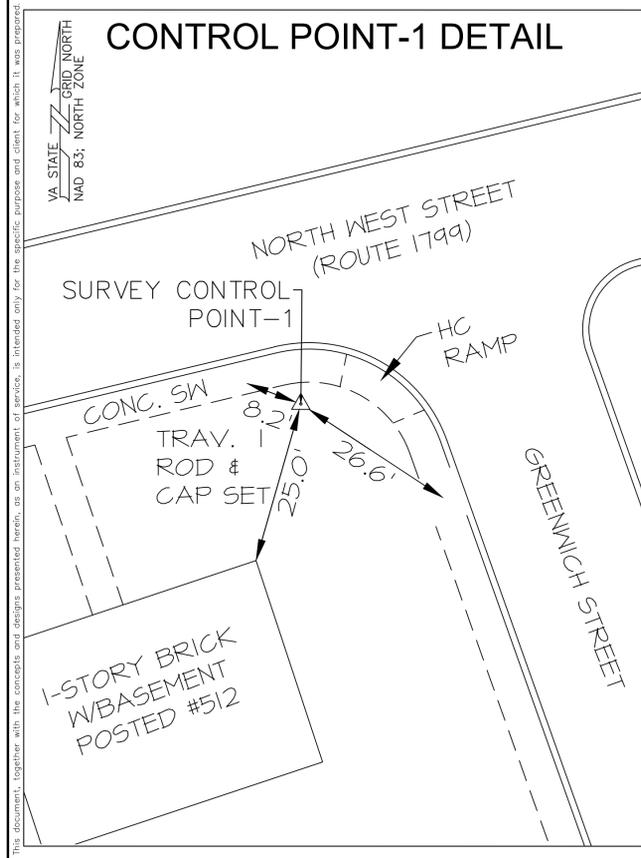
TAX MAP 40-4

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

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TRAVERSE TABULATIONS								
PROJECT COORDINATES								
POINT	BEARING	DISTANCE	NORTHING	EASTING	ELEVATION (FT)	DESCRIPTION	STATION	OFFSET
SURVEY CONTROL POINT-3			7011269.757	11860395.496	349.44'	TRV/GPS_3	-	-
SURVEY CONTROL POINT-2	N88°21'20"W	465.79'	7011283.123	11859929.900	360.80'	TRV/GPS_2	202+41.00	20.91' LT
SURVEY CONTROL POINT-1	S72°02'41"W	541.85'	7011116.083	11859414.437	350.63'	TRV/GPS_1	101+64.36	439.36' LT



TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911
FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

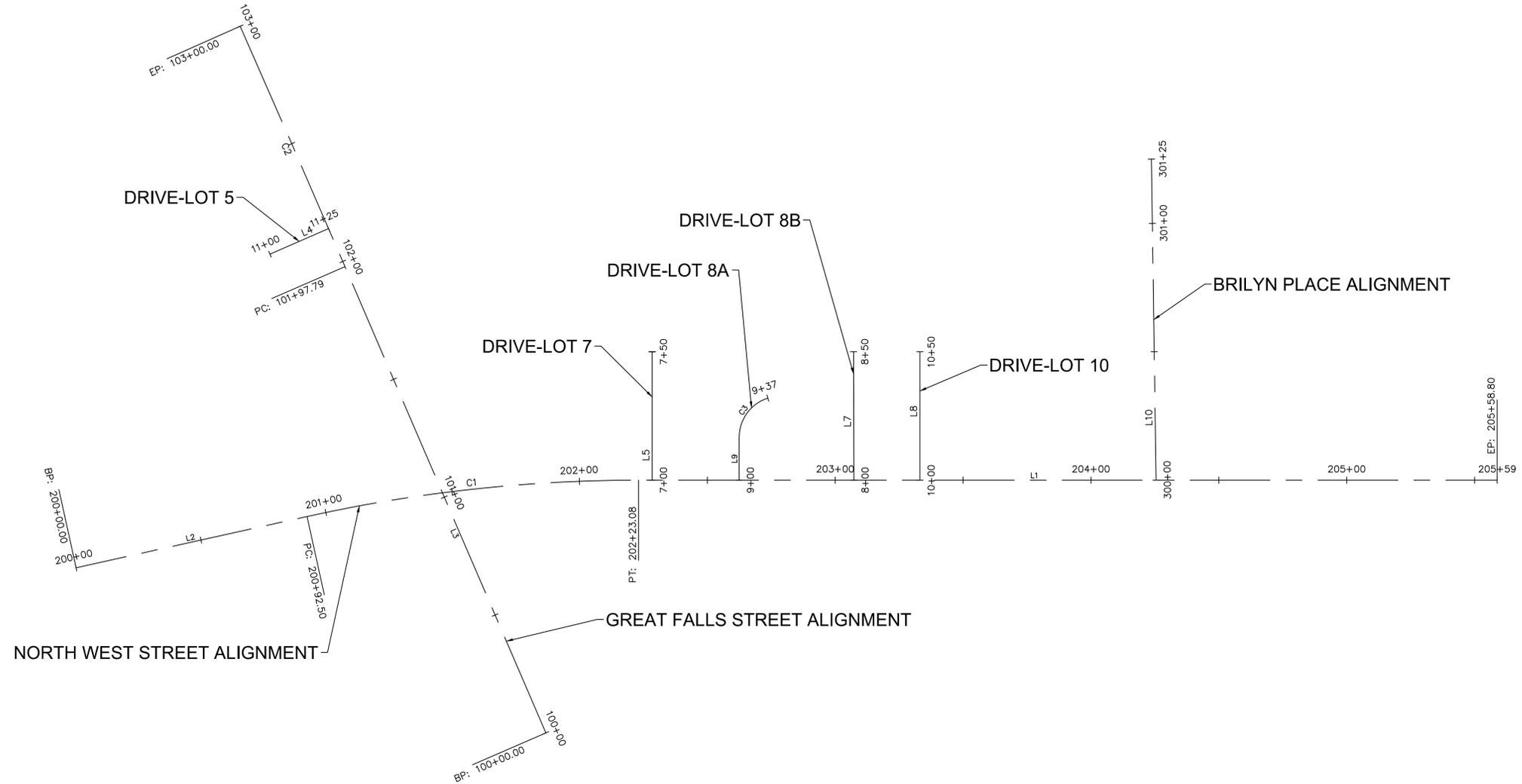
CAPITAL FACILITIES 703-324-5800	
North West Street Sidewalk Improvements SURVEY CONTROL DATA	
PROJECT NO. ST-00036-003 FUND NO. 300-C30050	
SCALE HORIZ. = 1"=50' VERT. = N/A	DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB
SHEET 1D	

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 Phone: 703-674-1300

PRE-FINAL PLANS NOT FOR CONSTRUCTION	
R E V I S I O N	DESCRIPTION BY APPROVED DATE

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300



GREAT FALLS STREET												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
C2	101+97.79	103+00.00	$\Delta=0^{\circ} 32' 47''$	N26° 19' 42.31"W	51.105	102.21'	10718.0'	7011339.0969	11859794.4672	7011430.7039	11859749.1357	
L3			N 26°03'19" W			197.79'		7011161.4080	11859881.3440	7011339.0969	11859794.4672	N26° 03' 18.81"W

NORTH WEST STREET												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
C1	200+92.50	202+23.08	$\Delta=12^{\circ} 28' 09''$	N81° 05' 51.83"E	65.548	130.58'	600.0'	7011241.2352	11859784.1793	7011261.4022	11859912.9298	
L1			N 87°19'57" E			335.72'		7011261.4022	11859912.9298	7011277.0275	11860248.2888	N87° 19' 56.53"E
L2			N 74°51'47" E			92.50'		7011217.0805	11859694.8866	7011241.2352	11859784.1793	N74° 51' 47.13"E

DRIVE-LOT 5												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
L4			N 63°51'30" E			25.00'		7011342.5942	11859764.9156	7011353.6090	11859787.3583	N63° 51' 30.20"E

DRIVE-LOT 7												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
L5			N 2°40'03" W			50.00'		7011261.6532	11859918.3170	7011311.5990	11859915.9899	N2° 40' 03.47"W

DRIVE-LOT 8A												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
C3	9+16.69	9+36.95	$\Delta=72^{\circ} 33' 52''$	N33° 36' 52.46"E	11.746	20.26'	16.0'	7011279.9073	11859951.5034	7011295.6772	11859961.9867	
L9			N 2°40'03" W			16.69'		7011263.2357	11859952.2802	7011279.9073	11859951.5034	N2° 40' 03.47"W

DRIVE-LOT 8B												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
L7			N 2°50'16" W			49.99'		7011265.3351	11859997.0965	7011315.2625	11859994.6218	N2° 50' 15.60"W

DRIVE-LOT 10												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
L8			N 2°40'03" W			50.00'		7011266.5248	11860022.8729	7011316.4706	11860020.5457	N2° 40' 03.47"W

BRILYN PLACE												
NO.	PC	PT	DELTA	CHORD DIRECTION	TANGENT	LENGTH	RADIUS	START N	START E	END N	END E	DIRECTION
L10			N 3°30'03" W			125.00'		7011270.8217	11860115.0966	7011395.5884	11860107.4634	N3° 30' 03.47"W

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TAX MAP 40-4

SEE SHEET 1F GEOMETRIC DETAILS
 SEE SHEET 1F(1) FOR CURB RAMP DETAILS



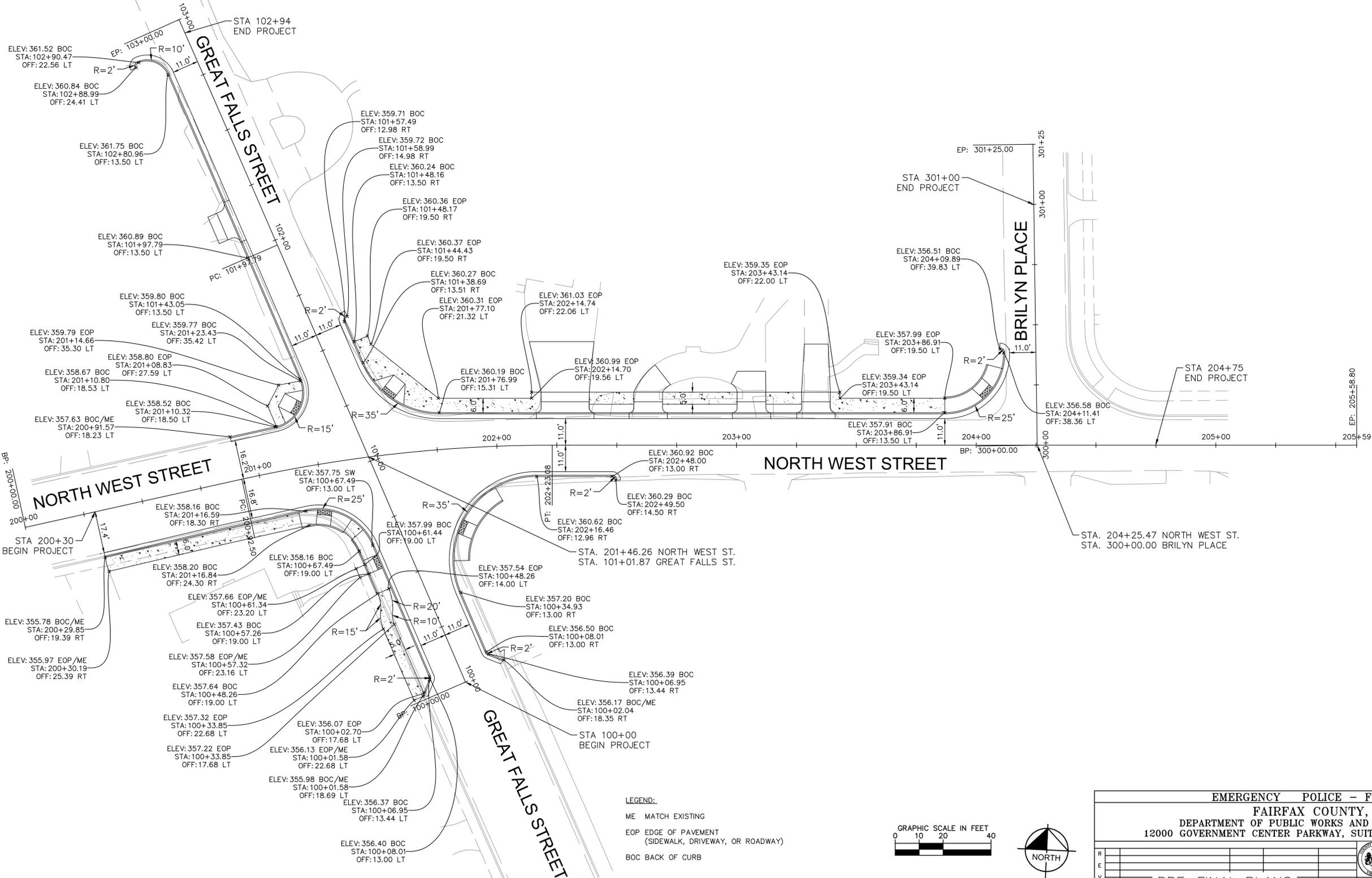
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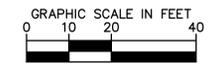
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CONSTRUCTION ALIGNMENT DATA	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=25' VERT. = N/A		DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB	SHEET 1E
REVISIONS	DESCRIPTION	BY	APPROVED DATE

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

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- LEGEND:**
- ME MATCH EXISTING
 - EOP EDGE OF PAVEMENT (SIDEWALK, DRIVEWAY, OR ROADWAY)
 - BOC BACK OF CURB
- NOTE:**
1. THIS SHEET CONTAINS STATION, OFFSET, AND ELEVATION DATA FOR THE PROPOSED SIDEWALK AND CURB AND GUTTER.
 2. SEE SHEET 1F(1) FOR CURB RAMP AND DRIVEWAY DETAILS.



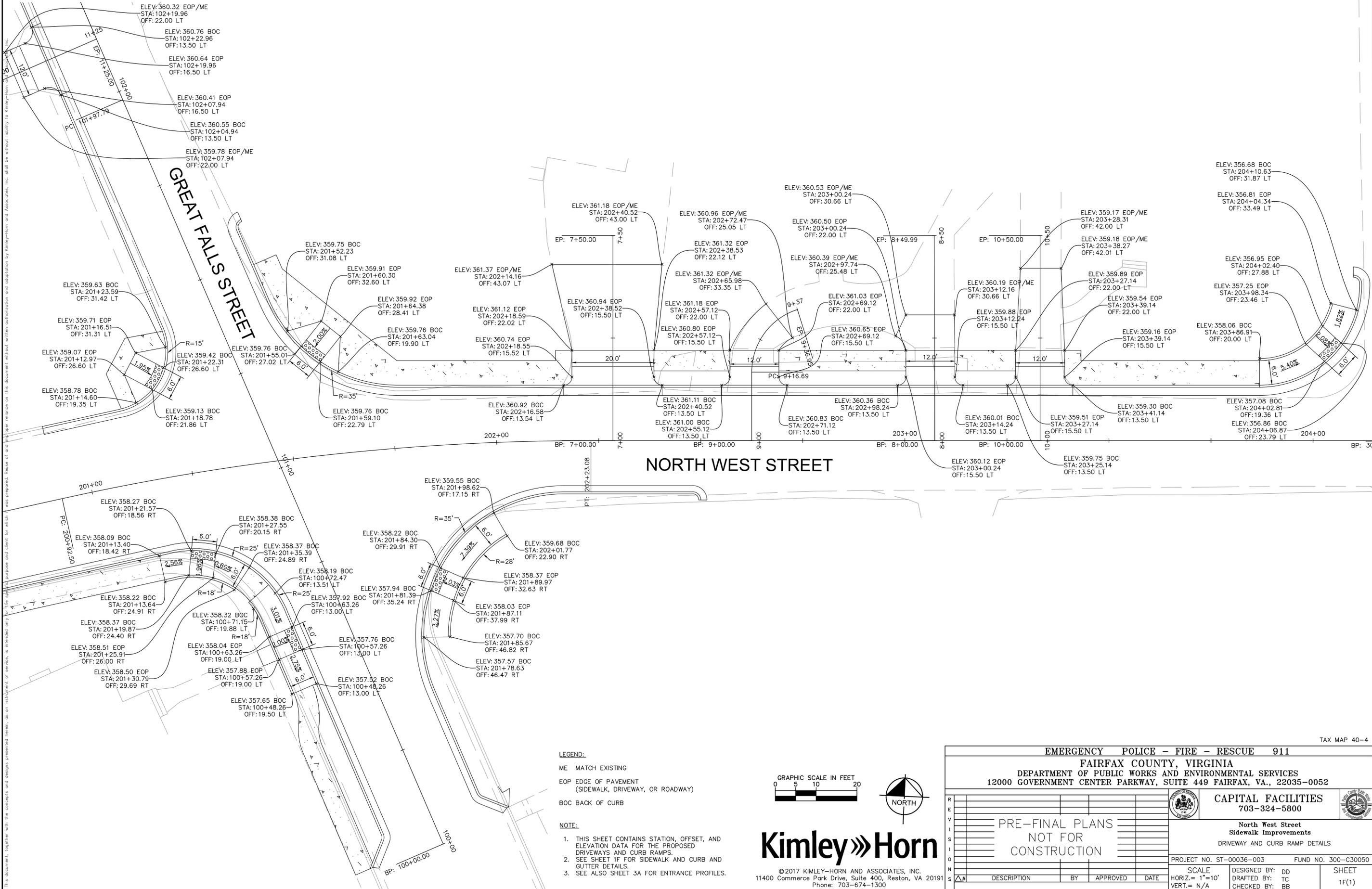
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 Phone: 703-674-1300

TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800			
North West Street Sidewalk Improvements GEOMETRIC DETAILS			
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=20' VERT. = N/A		DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB	SHEET 1F
R	E	V	S
I	S	I	O
N	S	A	#
DESCRIPTION	BY	APPROVED	DATE

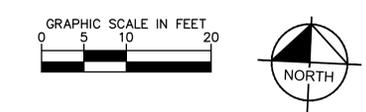
PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
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LEGEND:
 ME MATCH EXISTING
 EOP EDGE OF PAVEMENT (SIDEWALK, DRIVEWAY, OR ROADWAY)
 BOC BACK OF CURB

NOTE:
 1. THIS SHEET CONTAINS STATION, OFFSET, AND ELEVATION DATA FOR THE PROPOSED DRIVEWAYS AND CURB RAMPS.
 2. SEE SHEET 1F FOR SIDEWALK AND CURB AND GUTTER DETAILS.
 3. SEE ALSO SHEET 3A FOR ENTRANCE PROFILES.



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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA			
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800			
North West Street Sidewalk Improvements DRIVEWAY AND CURB RAMP DETAILS			
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = N/A		DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB	SHEET 1F(1)
DESCRIPTION	BY	APPROVED	DATE

TRANSPORTATION MANAGEMENT PLAN AND SEQUENCE OF CONSTRUCTION (TMP/SOC)

TEMPORARY TRAFFIC CONTROL PLAN

GENERAL NOTES

1. TMP/SOC TYPE A PROJECT INFORMATION:

- A. IDENTIFY THE PROJECT'S TMP TYPE:
THIS PROJECT'S TMP/SOC PLAN HAS BEEN DESIGNED IN CONFORMANCE WITH A TYPE A TMP/SOC PLAN.
- B. IDENTIFY THE WORK ZONE LOCATION, LENGTH, AND WIDTHS:
THE PROJECT LOCATION IS SHOWN ON SHEET 1
THE WORK ZONE AREAS HAVE BEEN DELINEATED AS SHOWN ON THE TMP/SOC PLAN SHEET 1H(1).
THE WORK ZONE LENGTHS AND WIDTHS VARY BY LOCATION AS SHOWN ON THE TMP/SOC PLAN SHEET 1H(1).
- C. NOTE THE HOURS THE CONSTRUCTION AREA WILL BE ACTIVE:
CONSTRUCTION AREA SHALL BE CONSIDERED ACTIVE WHEN ANY IMPACT TO TRAFFIC OCCURS (1ST CONE IN ROAD)
CONSTRUCTION AREA HOURS HAVE THE FOLLOWING LIMITATIONS:

DAY TIME	LANE CLOSURES (NON MAJOR ARTERIAL)			
	MONDAY TO THURSDAY	FRIDAY	SATURDAY	SUNDAY
9:30AM to 3:00PM	9:30AM to 2:00PM	*NOT ALLOWED	*NOT ALLOWED	*NOT ALLOWED
NIGHT TIME	*NOT ALLOWED	*NOT ALLOWED	*NOT ALLOWED	*NOT ALLOWED

* NIGHT TIME AND WEEKEND WORK SHALL NOT BE ALLOWED UNLESS APPROVED BY VDOT.
NO LANE CLOSURES WILL BE ALLOWED FROM NOON ON THE DAY BEFORE A HOLIDAY UNTIL NOON ON THE WORKDAY FOLLOWING THE HOLIDAY. HOLIDAYS INCLUDE ALL STATE AND FEDERAL HOLIDAYS.

DESIGNATION OF PEAK HOUR TIMES:
PEAK HOURS ARE 6:00AM THROUGH 9:00AM AND 3:30PM THROUGH 6:30PM.

- D. THE TMP/SOC PLAN, DURING CONSTRUCTION, SHALL BE IN ACCORDANCE WITH SECTIONS 512, 701, 703 & 704 OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, DATED 2007; THE VIRGINIA WORK AREA PROTECTION MANUAL DATED AUGUST 2011 AND UPDATED APRIL 2015; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009; THE VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, DATED 2011; AND IIM-LD-241.5 OF THE INSTRUMENTAL AND INFORMATIONAL MEMORANDA.

- E. NOTE ANY EXISTING ENTRANCES, EXISTING INTERSECTIONS, OR EXISTING PEDESTRIAN ACCESS POINTS THAT WILL BE AFFECTED BY THE CONSTRUCTION AREA OR BY THE TRAFFIC CONTROL DEVICES:

EXISTING ENTRANCES:
THERE ARE FIVE PRIVATE ENTRANCES WITHIN THE PROJECT LIMITS. THE FIRST IS AN ASPHALT DRIVEWAY AT APPROXIMATE STATION 202+30. THE SECOND IS A DOUBLE CONCRETE ENTRANCE THAT CONNECTS TO NORTH WEST STREET AT APPROXIMATE STATIONS 202+60 AND 203+10. THE THIRD IS A CONCRETE ENTRANCE AT APPROXIMATE STATION 203+35. THE FIFTH IS ON GREAT FALLS STREET AT APPROXIMATE STATION 102+20 EXCEPT FOR DRIVEWAY RECONSTRUCTION. ALL ENTRANCES ARE TO REMAIN OPEN AND FUNCTIONAL DURING CONSTRUCTION. DURING DRIVEWAY RECONSTRUCTION, CONTRACTOR TO WORK WITH THE PROPERTY OWNER TO ESTABLISH A MUTUALLY AGREEABLE SCHEDULE TO CLOSE THE ENTRANCE.

EXISTING INTERSECTIONS:
THE NORTH WEST STREET AND GREAT FALLS STREET INTERSECTION IS AT APPROXIMATE STATION 201+46. THE NORTH WEST STREET AND BRILYN PLACE INTERSECTION IS AT APPROXIMATE STATION 204+25. ALL EXISTING INTERSECTIONS ARE TO REMAIN OPEN AND FUNCTIONAL DURING CONSTRUCTION.

EXISTING PEDESTRIAN ACCESS POINTS:
THE CONCRETE SIDEWALK ON THE SOUTHWEST CORNER OF THE INTERSECTION IS THE ONLY EXISTING PEDESTRIAN FACILITY INSIDE THE CONSTRUCTION AREA. PEDESTRIANS ARE TO BE DIVERTED AWAY FROM THE CONSTRUCTION ZONE. SEE CONSTRUCTION NARRATIVE FOR DETAILS.

EXISTING BUS STOPS:
THERE ARE NO BUS STOPS WITHIN THE PROJECT LIMITS.

- F. IDENTIFY THE MAJOR TYPES OF TRAVELERS:
THE TRAFFIC ON THE ROADWAY CONSISTS PRIMARILY OF PASSENGER VEHICLES WITH SOME PEDESTRIANS. THE SURROUNDING AREA IS RESIDENTIAL.
- G. THE CONTRACTOR SHALL:

DESIGNATE A PERSON ASSIGNED TO THE PROJECT WHO WILL HAVE THE PRIMARY RESPONSIBILITY, WITH SUFFICIENT AUTHORITY, FOR IMPLEMENTING THE TMP/SOC AND OTHER SAFETY AND MOBILITY ASPECTS OF THE PERMIT WORK. THIS PERSON SHALL COORDINATE WITH THE FAIRFAX COUNTY CONSTRUCTION INSPECTOR FOR THE DURATION OF CONSTRUCTION.

ENSURE THAT PERSONNEL ASSIGNED TO THE PROJECT ARE TRAINED IN TRAFFIC CONTROL TO A LEVEL COMMENSURATE WITH THEIR RESPONSIBILITIES IN ACCORDANCE WITH VDOT'S WORK ZONE TRAFFIC CONTROL TRAINING GUIDELINES.

INFORM THE ENGINEER OF ANY WORK REQUIRING LANE SHIFTS, LANE CLOSURES, AND/OR PHASE CHANGES A MINIMUM OF TWO WORKING DAYS PRIOR TO IMPLEMENTING THIS ACTIVITY.

PERFORM REVIEWS OF THE CONSTRUCTION AREA TO ENSURE COMPLIANCE WITH CONTRACT DOCUMENTS AT REGULARLY SCHEDULED INTERVALS AT THE DIRECTION OF THE ENGINEER. CONTRACTOR SHALL MAINTAIN AN APPROVED COPY OF THE TEMPORARY TRAFFIC CONTROL PLAN AT THE WORK SITE AT ALL TIMES.

COORDINATE WITH FAIRFAX COUNTY POLICE DEPARTMENT AND FAIRFAX COUNTY FIRE/RESCUE DEPARTMENT FOR ANY LANE CLOSURES AND ANY DETOURS OF ANY NATURE.

SCHEDULE ALL PHASES OF CONSTRUCTION IN SUCH A MANNER THAT WATER, SANITARY SEWER, CABLE, FIBER CABLE/OPTIC CABLE, ANY OVERHANGING UTILITIES, AND ANY UNDERGROUND UTILITIES SERVICES WILL NOT BE INTERRUPTED.

- 2. THIS TMP/SOC PLAN IS INTENDED AS A GUIDE. IT IS NOT TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH PHASE, BUT ONLY TO SHOW THE GENERAL HANDLING OF EXISTING TRAFFIC. IF THE CONTRACTOR IS TO DEVIATE FROM THE APPROVED TMP, A NEW OR REVISED TMP MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 3. CONTRACTOR IS TO MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION ON NORTH WEST STREET, GREAT FALLS STREET AND BRILYN PLACE DURING CONSTRUCTION OF THIS PROJECT WITH A MINIMUM CLEAR ROADWAY WIDTH NO LESS THAN EXISTING CONDITIONS UNLESS OTHERWISE APPROVED BY THE ENGINEER. FOR STREET INTERSECTIONS, A MINIMUM WIDTH NO LESS THAN EXISTING WIDTH SHALL BE MAINTAINED AT ALL TIMES, UNLESS APPROVED BY THE ENGINEER.
- 4. ALL AREAS EXCAVATED BELOW THE EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE AT THE CONCLUSION OF EACH WORKDAY, SHALL BE BACKFILLED TO FORM AN APPROXIMATE 6:1 WEDGE AGAINST THE EXISTING PAVEMENT OR NEWLY CONSTRUCTED PAVEMENT SURFACE FOR THE SAFETY AND PROTECTION OF VEHICULAR TRAFFIC.

- 5. EACH PHASE OF CONSTRUCTION SHALL BE COMPLETED TO THE INSTALLATION OF INTERMEDIATE COURSE ASPHALT PRIOR TO THE START OF THE NEXT PHASE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 6. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADD ANY ADDITIONAL TEMPORARY MEASURES NECESSARY TO FACILITATE PROPER, POSITIVE DRAINAGE FOR THE DURATION OF CONSTRUCTION.
- 7. UNLESS SPECIFIED ON THE PLANS, ALL EXISTING TURN LANES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- 8. WHERE GROUP 2 CHANNELIZING DEVICES ARE USED TO SEPARATE THE CONSTRUCTION AREA AND TRAFFIC, A MINIMUM CLEAR ZONE AREA AS DEFINED IN THE VWAPM IS TO BE MAINTAINED.
- 9. THE CONTRACTOR IS TO COORDINATE WITH FAIRFAX COUNTY FOR LOCATION(S) OF THE CONSTRUCTION STAGING AREA. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AS NECESSARY.
- 10. IMPLEMENTING THE TRANSPORTATION MANAGEMENT PLAN DURING THE FIRST DAY OF THE NEW WORK ZONE TRAFFIC PATTERN, THE PROJECT'S MANAGER AND PROJECT'S CONSTRUCTION INSPECTOR SHALL INSPECT THE WORK ZONE TO ENSURE COMPLIANCE WITH THE TMP. ON THE THIRD TO FIFTH DAY OF IMPLEMENTATION OF THE TMP'S NEW WORK ZONE TRAFFIC PATTERN, THE CONSTRUCTION INSPECTOR SHALL CONDUCT AN ON-SITE REVIEW OF THE WORK ZONE'S PERFORMANCE IN COORDINATION WITH VDOT AND RECOMMEND TO THE CONTRACTOR ANY REQUIRED CHANGES TO THE TMP TO ENHANCE THE WORK ZONE'S SAFETY AND MOBILITY. ALL SUCH CHANGES SHALL BE DOCUMENTED. AN ON-SITE REVIEW OF THE PROJECT'S WORK ZONE TRAFFIC CONTROL BY THE COUNTY'S CONSTRUCTION INSPECTOR AND THE CONTRACTOR SHALL BE CONDUCTED (WITH COORDINATION FROM VDOT) WITHIN 48 HOURS OF ANY FATAL ACCIDENT/CRASH WITHIN THE WORK ZONE.
- 11. EVALUATION OF THE TRANSPORTATION MANAGEMENT PLAN A PERFORMANCE ASSESSMENT OF THE TMP INCLUDING AREA-WIDE IMPACTS ON ADJACENT ROADWAYS SHALL BE PERFORMED BY FAIRFAX COUNTY WITH COORDINATION FROM THE ENGINEER DURING CONSTRUCTION. AS CIRCUMSTANCES DICTATE, A REVIEW OF THE OVERALL EFFECTIVENESS OF THE PROJECT'S TMP SHALL BE COMPLETED DURING THE POST CONSTRUCTION MEETING AND INCLUDED WITH THE POST CONSTRUCTION REPORT. A COPY OF THE SPECIFIC INFORMATION ON THE EFFECTIVENESS OF THE TMP WILL BE FORWARDED TO FAIRFAX COUNTY FOR REVIEW. A COPY OF THE TMP INTERIM/POST CONSTRUCTION REPORT FORM CAN BE OBTAINED FROM FAIRFAX COUNTY.
- 12. PUBLIC COMMUNICATIONS PLAN THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - A. NOTIFYING THE PROJECT MANAGER AND CONSTRUCTION INSPECTOR TWO WEEKS IN ADVANCE OF ANY SCHEDULE WORK PLANS AND TRAFFIC DELAYS.
 - B. NOTIFYING THE PROJECT MANAGER, CONSTRUCTION INSPECTOR, AND CORRESPONDING ENGINEER OF ANY UNSCHEDULED TRAFFIC DELAYS
- 14. TRANSPORTATION OPERATIONS THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND PROVIDING THE FOLLOWING:
 - A. NOTIFY THE REGIONAL TRANSPORTATION OPERATIONS CENTER (TOC) ONE WEEK IN ADVANCE (USUALLY THE WEDNESDAY PRIOR TO THE REQUESTED OPERATION), IN ORDER TO PLACE LANE CLOSURE INFORMATION ON THE 511 SYSTEM AND VA-TRAFFIC.
 - B. POST A LIST OF LOCAL EMERGENCY RESPONSE AGENCIES INSIDE THE PROJECT'S CONSTRUCTION OFFICE/TRAILER.
 - C. IMMEDIATELY REPORT ANY TRAFFIC INCIDENTS THAT MAY OCCUR IN THE WORK ZONE.
 - D. NOTIFY THE PROJECT'S CONSTRUCTION INSPECTOR AND CORRESPONDING ENGINEER OF ANY NEW INCIDENTS AND EXPECTED TRAFFIC DELAYS.
 - E. WITHIN 24 HOURS OF ANY INCIDENTS WITHIN THE CONSTRUCTION WORK ZONE, A REVIEW OF THE TRAFFIC CONTROLS SHALL BE COMPLETED AND NECESSARY ADJUSTMENTS MADE TO REDUCE THE FREQUENCY AND SEVERITY OF ANY FUTURE INCIDENTS.

CONTACT NUMBERS:

COUNTY PROJECT MANAGER	JIM BEALL (703) 877-5600
COUNTY CONSTRUCTION MANAGER	TBD
COUNTY CONSTRUCTION INSPECTOR	TBD
EMERGENCY CALL	911
NON-EMERGENCY NUMBERS:	
FAIRFAX COUNTY POLICE	(703) 246-2253
FAIRFAX COUNTY FIRE & RESCUE	(703) 246-2126

GENERAL CONSTRUCTION NOTES

- 1. ALL WORK SHALL COMPLY WITH THE VIRGINIA WORK AREA PROTECTION MANUAL-APRIL 2015.
- 2. CONTRACTOR SHALL INSTALL PROJECT LIMIT SIGNS ON NORTH WEST STREET, BRILYN PLACE, AND GREAT FALLS STREET IN ACCORDANCE WITH VWAPM TTC-53.0. THESE SIGNS ARE TO REMAIN IN PLACE FOR THE DURATION OF ALL PHASES OF CONSTRUCTION UNLESS DIRECTED BY THE ENGINEER.
- 3. THE CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS DURING BOTH WORK AND NON-WORK HOURS TO ENSURE THE PROTECTION AND SAFETY OF THE ADJACENT PROPERTY OWNERS, PEDESTRIANS, VEHICULAR TRAFFIC AND THE GENERAL PUBLIC FROM ANY CONSTRUCTION RELATED ACTIVITY, CONSTRUCTION EQUIPMENT AND THE CONSTRUCTION SITE ITSELF.
- 4. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE.
- 5. UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE FOLLOWING:

PHASE 1:

- 1. CONTRACTOR IS TO IMPLEMENT VWAPM TTC-28.1 TO CONSTRUCT THE PROPOSED SIDEWALK, HANDICAP RAMP, AND CURB AND GUTTER ALONG NORTH WEST STREET/GREAT FALLS STREET AS WELL AS ALL OTHER RELATED ACTIVITIES AT THE S.W. QUADRANT OF THE NORTH WEST STREET/GREAT FALLS STREET INTERSECTION FOR THE AREA SHOWN AS CONSTRUCTION WORK ZONE PHASE 1 ON SHEET 1H(1).
- 2. CONTRACTOR IS TO IMPLEMENT VWAPM TTC-35.0 TO THE EXISTING SIDEWALK IN WESTERN AND SOUTHERN LIMITS OF THE PROJECT FOR THE DURATION OF THE PROJECT FOR PEDESTRIANS ALONG EXISTING PEDESTRIAN FACILITIES.
- 3. CONTRACTOR TO OVERLAY PAVEMENT TO ENSURE POSITIVE DRAINAGE.
- 4. CONTRACTOR SHALL PROVIDE MINIMUM 10' LANES AT ALL TIMES DURING CONSTRUCTION.
- 5. CONTRACTOR SHALL BUILD UP PROPOSED FULL DEPTH PAVEMENT UP TO AND INCLUDING THE INTERMEDIATE LAYER. FINAL ROADWAY SURFACING IS TO BE CONDUCTED IN PHASE 5

PHASE 2:

- 1. CONTRACTOR IS TO IMPLEMENT VWAPM TTC-28.1 TO CONSTRUCT THE PROPOSED STORMWATER CONNECTION, HANDICAP RAMP, AND CURB AND GUTTER ALONG NORTH WEST STREET AS WELL AS ALL OTHER RELATED ACTIVITIES AT THE N.W. QUADRANT OF THE NORTH WEST STREET/GREAT FALLS STREET INTERSECTION FOR THE AREA SHOWN AS CONSTRUCTION WORK ZONE PHASE 2 ON SHEET 1H(1).
- 2. CONTRACTOR TO OVERLAY PAVEMENT TO ENSURE POSITIVE DRAINAGE.
- 3. CONTRACTOR SHALL PROVIDE MINIMUM 10' LANES AT ALL TIMES DURING CONSTRUCTION.
- 4. CONTRACTOR SHALL BUILD UP PROPOSED FULL DEPTH PAVEMENT UP TO AND INCLUDING THE INTERMEDIATE LAYER. FINAL ROADWAY SURFACING IS TO BE CONDUCTED IN PHASE 5.

PHASE 3:

- 1. CONTRACTOR IS TO IMPLEMENT VWAPM TTC-5.1 AND VWAPM TTC-28.1 TO CONSTRUCT THE PROPOSED SIDEWALK, HANDICAP RAMP, ENTRANCES, AND CURB AND GUTTER ALONG NORTH WEST STREET AS WELL AS ALL OTHER RELATED ACTIVITIES IN THE AREA SHOWN AS THE CONSTRUCTION WORK ZONE PHASE 3 ON SHEET 1H(1). CONTRACTOR MAY USE VWAPM TTC-23.1 IN PLACE OF VWAPM TTC-5.1 AT THE CONTRACTOR'S DISCRETION.
- 2. CONTRACTOR IS TO IMPLEMENT VWAPM TTC-35.0 TO THE EXISTING SIDEWALK IN THE EASTERN LIMITS OF THE PROJECT ALONG NORTH WEST STREET STREET AND VWAPM TTC-35.0 TO THE NEWLY CONSTRUCTED SIDEWALK IN THE WESTERN LIMITS OF THE PROJECT FOR THE DURATION OF THE PROJECT FOR PEDESTRIANS.
- 3. CONTRACTOR TO PROVIDE MINIMUM 10' LANES AT ALL TIMES DURING CONSTRUCTION.
- 4. CONTRACTOR SHALL BUILD UP PROPOSED FULL DEPTH PAVEMENT UP TO AND INCLUDING THE INTERMEDIATE LAYER. FINAL ROADWAY SURFACING IS TO BE CONDUCTED IN PHASE 3.

PHASE 4:

- 1. CONTRACTOR IS TO IMPLEMENT VWAPM TTC-28.1 TO CONSTRUCT THE PROPOSED HANDICAP RAMP, AND CURB AND GUTTER ALONG NORTH WEST STREET AS WELL AS ALL OTHER RELATED ACTIVITIES AT THE N.W. QUADRANT OF THE NORTH WEST STREET/GREAT FALLS STREET INTERSECTION FOR THE AREA SHOWN AS CONSTRUCTION WORK ZONE PHASE 4 ON SHEET 1H(1).
- 2. CONTRACTOR TO OVERLAY PAVEMENT TO ENSURE POSITIVE DRAINAGE.
- 3. CONTRACTOR SHALL PROVIDE MINIMUM 10' LANES AT ALL TIMES DURING CONSTRUCTION.
- 4. CONTRACTOR SHALL BUILD UP PROPOSED FULL DEPTH PAVEMENT UP TO AND INCLUDING THE INTERMEDIATE LAYER. FINAL ROADWAY SURFACING IS TO BE CONDUCTED IN PHASE 5.

PHASE 5 (NOT DEPICTED IN PLANS):

- 1. CONTRACTOR SHALL IMPLEMENT VWAPM TTC-59.1 AND ANY NECESSARY LANE CLOSURES WITHIN THE STANDARDS AND PRACTICES OF THE VWAPM TO MILL PAVEMENT AND APPLY THE FINAL ASPHALT SURFACE LAYER AS DELINEATED ON SHEET 3.
- 2. CONTRACTOR IS TO INSTALL PROPOSED PAVEMENT MARKINGS AS OUTLINED IN THE PAVEMENT MARKING PLAN ON SHEET 4.
- 3. CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES UPON COMPLETION OF THE PROJECT.

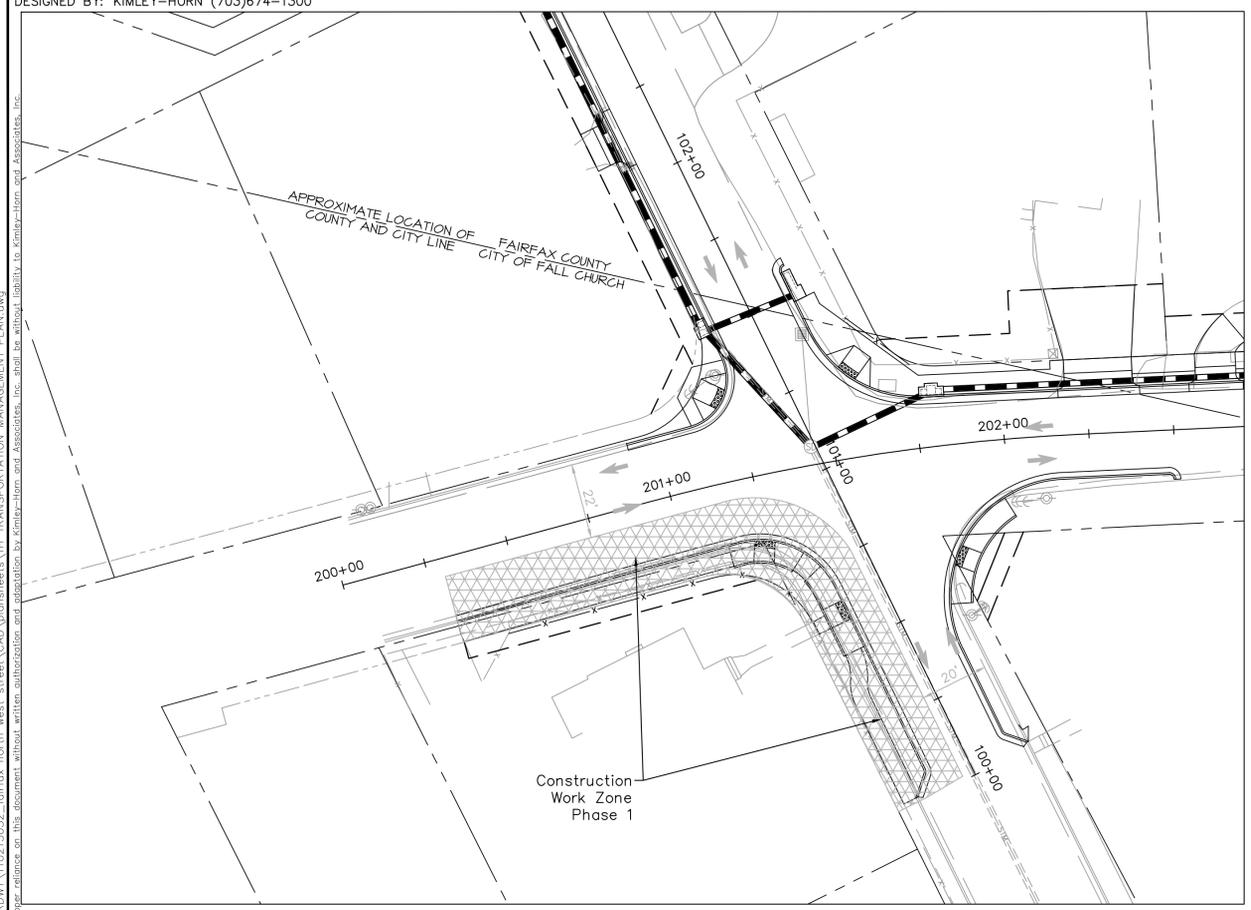
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA			
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES			
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES		703-324-5800	
North West Street		Sidewalk Improvements	
TMP NOTES AND NARRATIVE			
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = N/A VERT. = N/A		DESIGNED BY: DD	SHEET
DESCRIPTION		DRAFTED BY: TC	1H
BY		CHECKED BY: BB	
APPROVED			
DATE			



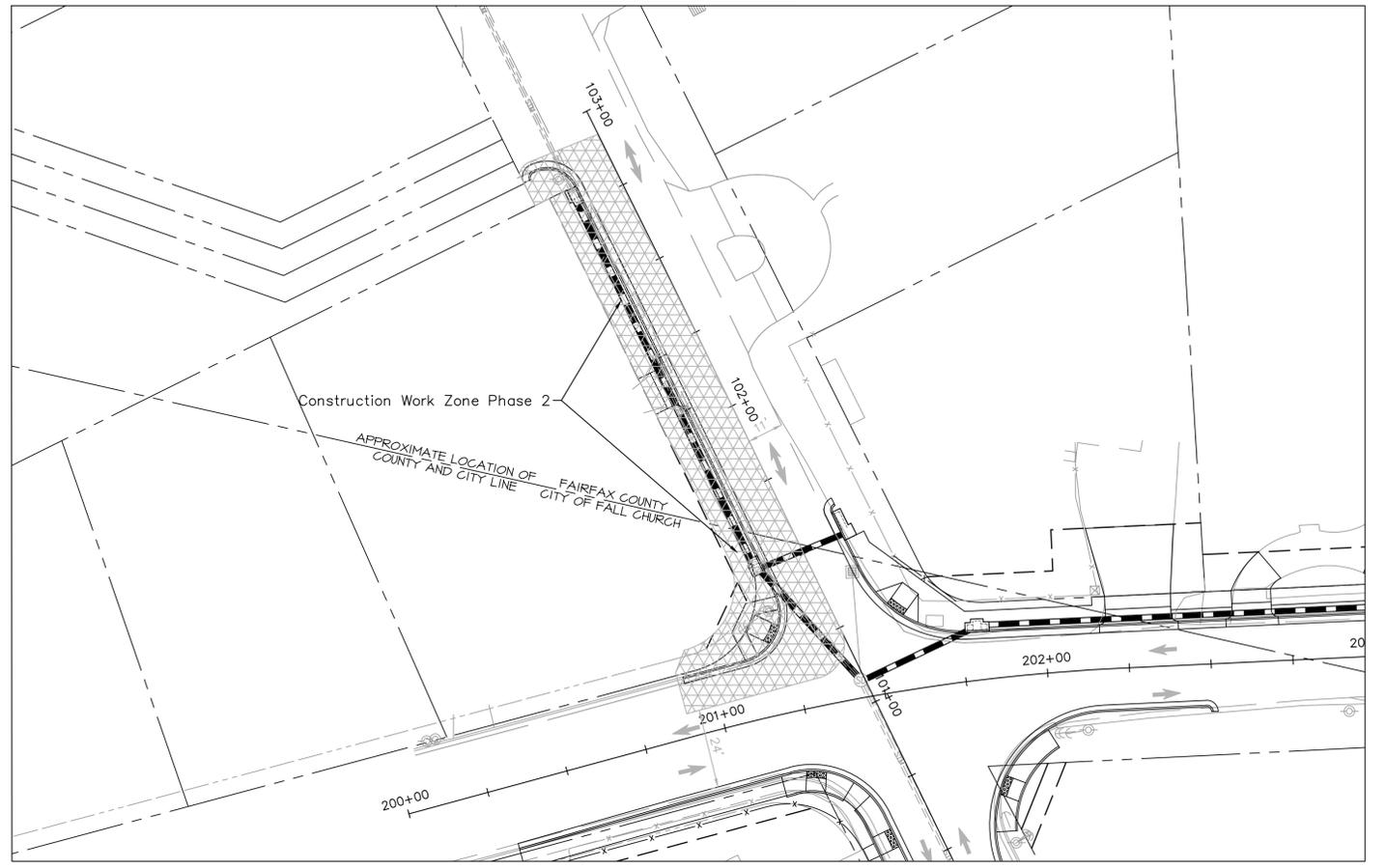
Plotted By: Doughty, Derik Sheet Set: Fairfax North West Street Layout: 1H TMP NOTES AND NARRATIVE January 31, 2017 05:52:11pm K:\NVA_RDWY\110213032_gif\fox north west street\CAD\plansheets\1H TRANSPORTATION MANAGEMENT PLAN.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and/or improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

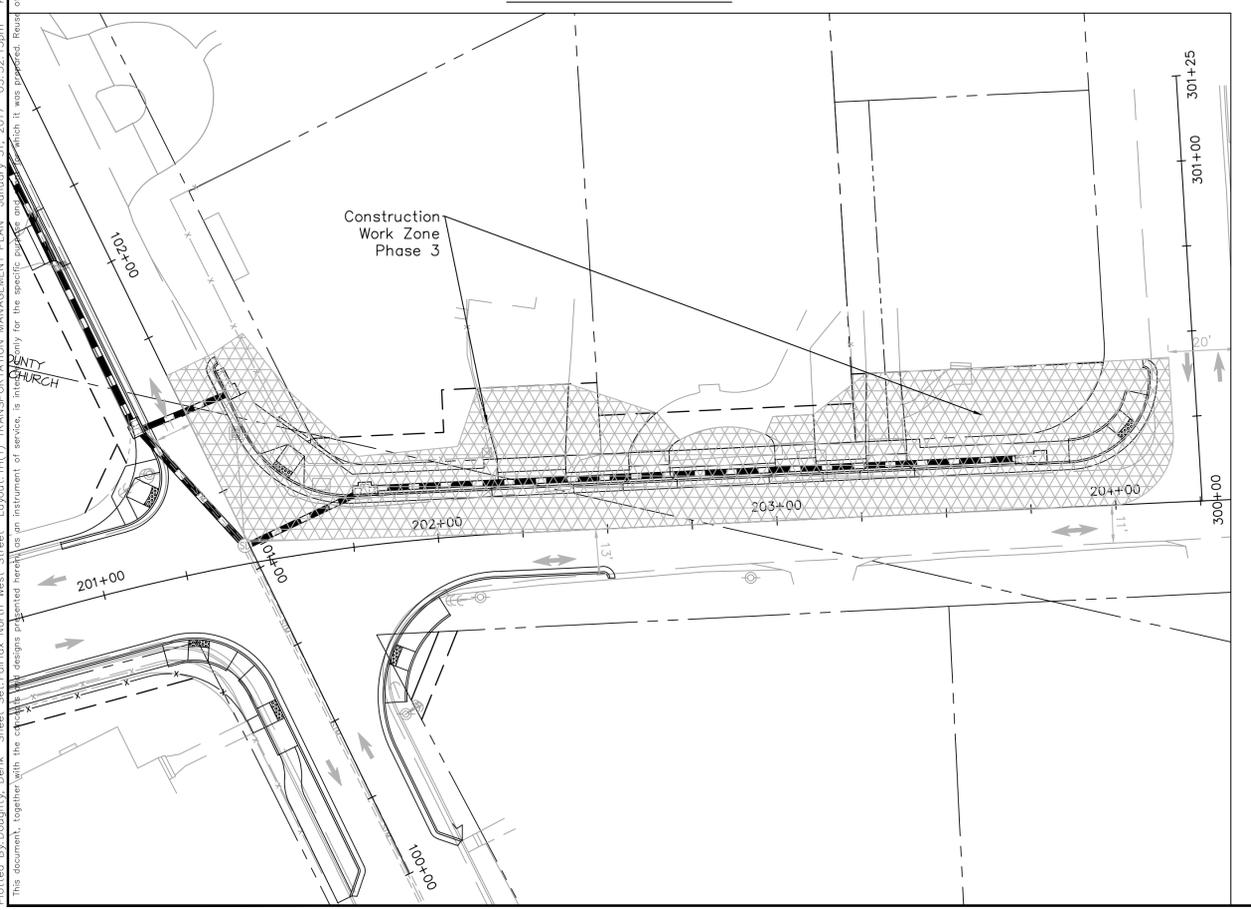
TMP PHASE 1



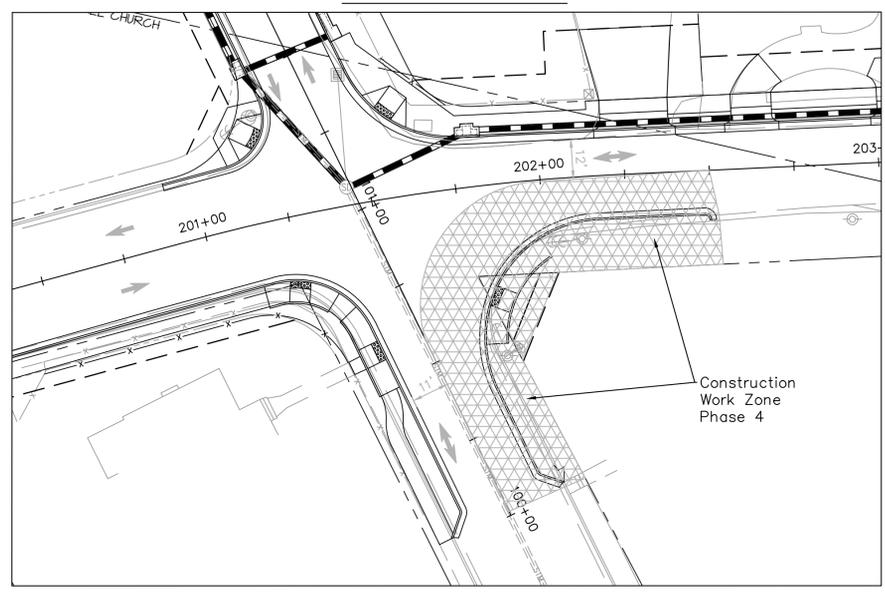
TMP PHASE 2



TMP PHASE 3

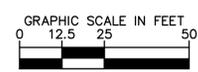


TMP PHASE 4



LEGEND
 CONSTRUCTION WORK ZONE

TAX MAP 40-4



Kimley»Horn

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FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

CAPITAL FACILITIES
 703-324-5800

North West Street
 Sidewalk Improvements
 TRANSPORTATION MANAGEMENT PLAN

PROJECT NO. ST-00036-003 FUND NO. 300-C30050

SCALE
 HORIZ. = 1"=25'
 VERT. = N/A

DESIGNED BY: DD
 DRAFTED BY: TC
 CHECKED BY: BB

SHEET
 1H(1)

PRE-FINAL PLANS			
NOT FOR			
CONSTRUCTION			
#	DESCRIPTION	BY	APPROVED

Plotled By: Doughty, Derek | Sheet Set: Fairfax North West Street | Layout: H(2) | TRANSPORTATION MANAGEMENT PLAN DETAILS | January 31, 2017 | 05:52:16pm | K:\NVA_RDWYA\10213032_fairfax_north_west_street\CAD\plansheets\TM PLAN.dwg
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Page 6H-16 April 2015

Typical Traffic Control

Shoulder Operation with Minor Encroachment (Figure TTC-5.1)

NOTES

Standard:

- For required sign assemblies for multi-lane roadways see Note 1, TTC-4.

Guidance:

- Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.
- When work takes up part of a lane on a high volume roadway; vehicular traffic volumes, vehicle mix, speed and capacity should be analyzed to determine whether the affected lane should be closed. Unless the lane encroachment analysis permits a remaining lane width of 10 feet, the lane should be closed. If the closure operation is on a Limited Access highway, the minimum lane width is 11 feet.

Option:

- The ROAD WORK AHEAD (W20-1) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.

Standard:

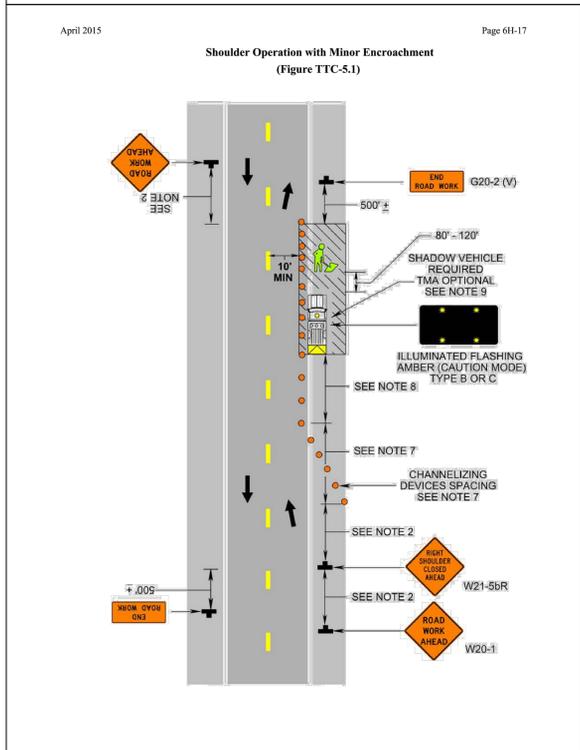
- A shadow vehicle with either an arrow board operating in the caution mode, or at least one high-intensity amber rotating, flashing, or oscillating light shall be parked 80' - 120' in advance of the first work crew.
- Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or oscillating lights.
- Taper length (L) and channelizing device spacing shall be at the following:

Speed Limit (mph)	Taper Length (L)				Channelizing Device Spacing	
	9	10	11	12	0 - 35	36 +
25	95	105	115	125	20'	40'
30	135	150	165	180	40'	80'
35	185	205	225	245	80'	120'
40	240	270	295	320	* Spacing may be increased to this distance, but shall not exceed one access per 1/2 mile.	
45	405	450	495	540	On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.	
50	450	500	550	600		
55	495	550	605	660		
60	540	600	660	720		
65	585	650	715	780		
70	630	700	770	840		

Minimum taper lengths for Limited Access highways shall be 1000 feet.
Shoulder Taper = 1/2 L Minimum

- The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit.
- A truck-mounted attenuator (TMA) shall be used on Limited Access highways and multi-lane roadways with posted speed limit equal to or greater than 45 mph.
- When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.

1: Revision 1 - 4/1/2015



Page 6H-52 April 2015

Typical Traffic Control

Lane Closure on a Two-Lane Roadway Using Flaggers (Figure TTC-23.1)

NOTES

Guidance:

- Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, and 500'-800' where the posted speed limit is greater than 45 mph.
- Care should be exercised when establishing the limits of the work zone to insure maximum possible sight distance in advance of the flagger station and transition, based on the posted speed limit and at least equal to or greater than the values in Table 6H-5. Generally speaking, motorists should have a clear line of sight from the graphic flagger symbol sign to the flagger.

Option:

- Where Right-of-Way or geometric conditions prevent the use of 48" x 48" signs, 36" x 36" signs may be used.

Standard:

- Flagging stations shall be located far enough in advance of the work space to permit approaching traffic to reduce speed and/or stop before passing the work space and allow sufficient distance for departing traffic in the left lane to return to the right lane before reaching opposing traffic (see Table 6H-3 on Page 6H-5).
- All flaggers shall be state certified and have their certification card in their possession when performing flagging duties (see Section 6E.01, Qualifications for Flaggers).
- Cone spacing shall be based on the posted speed and the values in Table 6H-4 on Page 6H-4.
- A shadow vehicle with at least one high intensity amber rotating, flashing, or oscillating light shall be parked 80'-120' in advance of the first work crew.

Option:

- A supplemental flagger may be required in this area to give advance warning of the operation ahead by slowing approaching traffic prior to reaching the flagger station or queued traffic.

Guidance:

- If the queue of traffic reaches the BE PREPARED TO STOP (W3-4) sign then the signs and, if used the portable temporary rumble strips (PTRS), should be readjusted at greater distances.
- When a highway-rail crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the highway-rail grade crossing, the temporary traffic control zone should be extended so that the transition area precedes the highway-rail crossing (see Figure TTC-36 for additional information on highway-rail crossing).

Standard:

- At night, flagger stations shall be illuminated, except in emergencies (see Section 6E.08).

Option:

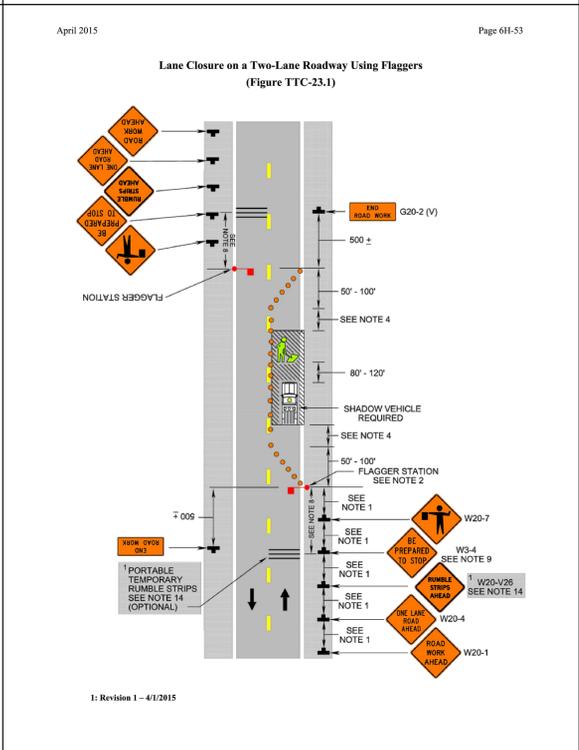
- Cones may be eliminated when using a pilot vehicle operation or when the total roadway width is 20 feet or less.
- For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).

Standard:

- When approved for use, three portable temporary rumble (PTRS) strips shall be installed across the entire travel lane adjacent to the BE PREPARED TO STOP (W3-4) sign. The portable temporary rumble strips shall be monitored and adjusted as necessary during the work shift to ensure proper placement on the roadway. When the PTRS are installed, the RUMBLE STRIPS AHEAD (W20-1/26) sign shall also be utilized.

Posted Speed	0 - 35 mph	36 - 55 mph
PTRS Spacing (Center to Center)	5 Feet	8 Feet

1: Revision 1 - 4/1/2015



Page 6H-62 April 2015

Typical Traffic Control

Lane Closure Operation in an Intersection (Figure TTC-28.1)

NOTES

Guidance:

- The control of traffic through the intersection in order of preference should be:
 - Obtain the services of law enforcement personnel.
 - Detour the effective routes to other roads and streets as approved and directed by the Regional Traffic Engineer.
 - Place a state certified flagger on each leg of the intersection controlling a single lane of traffic. Appropriate signing as shown should be used for law enforcement and flagging operations. For detour signs see Figure TTC-34.
- Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.

Standard:

- Channelizing device spacing shall be on 20' centers or less.

Guidance:

- If room permits, a shadow vehicle with at least one rotating amber light or high intensity amber flashing or oscillating light should be parked 80'-120' in advance of the first work crew.

Standard:

- For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or high intensity amber flashing or oscillating lights mounted on the vehicle and visible for 360° shall be required in addition to the channelizing devices shown around the vehicle. Also, vehicle hazard warning signals shall be used.

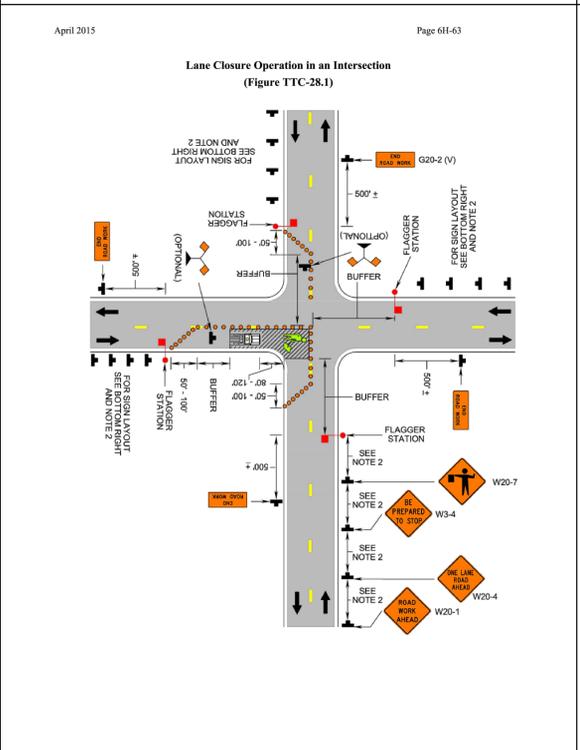
Guidance:

- If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.

Support:

- Turns can be prohibited as required by vehicular traffic conditions. Unless the streets are wide, it might be physically impossible to make certain turns, especially for large vehicles.

1: Revision 1 - 4/1/2015



Page 6H-76 August 2011

Typical Traffic Control

Sidewalk Closure and Bypass Sidewalk Operation (Figure TTC-35.0)

NOTES

Standard:

- When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.

Guidance:

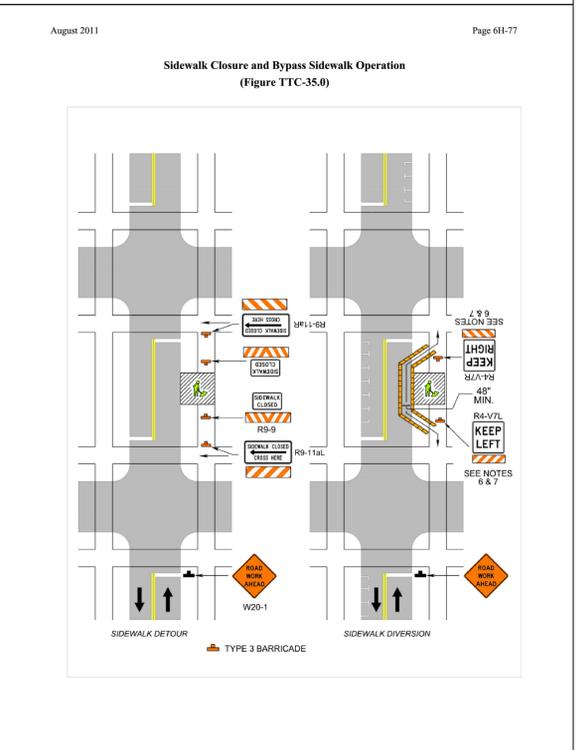
- Where high speeds are anticipated, a temporary traffic barrier and, if necessary, a crash cushion should be used to separate the temporary sidewalks from vehicular traffic.
- Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.
- Temporary markings should be considered for operations exceeding three days in duration.

Option:

- Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS (W5-1) signs, may be used to control vehicular traffic.
- For night-time closings, Type A Flashing warning lights may be used on barricades that support signs and close sidewalks.
- Signs, such as KEEP RIGHT (R4-V7R) and KEEP LEFT (R4-V7L), may be placed along a temporary sidewalk to guide or direct pedestrians.

Standard:

- All sidewalk closures shall be closed with Type 3 Barricades.



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TAX MAP 40-4

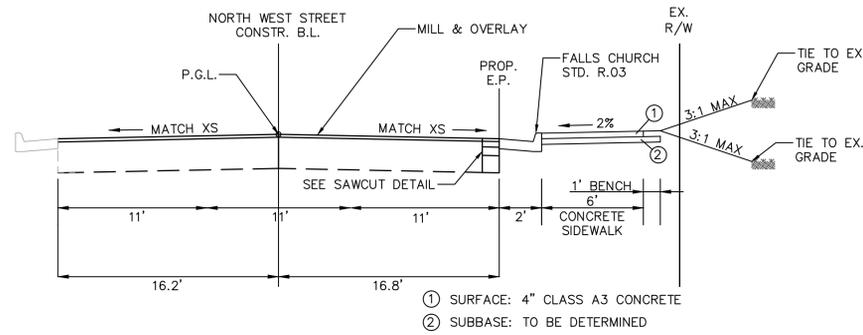
EMERGENCY POLICE - FIRE - RESCUE 911

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 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

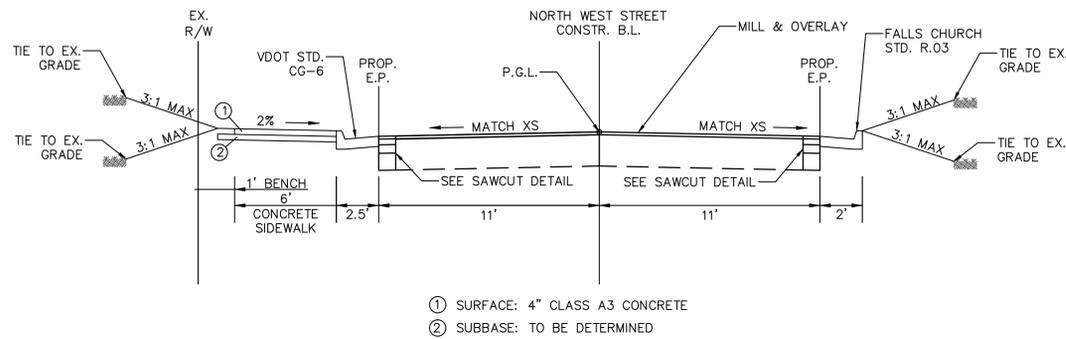
PRE-FINAL PLANS NOT FOR CONSTRUCTION	CAPITAL FACILITIES 703-324-5800
North West Street Sidewalk Improvements TRANSPORTATION MANAGEMENT PLAN DETAILS	
PROJECT NO. ST-00036-003	FUND NO. 300-C30050
SCALE HORIZ. = N/A VERT. = N/A	DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB
	SHEET 1H(2)

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
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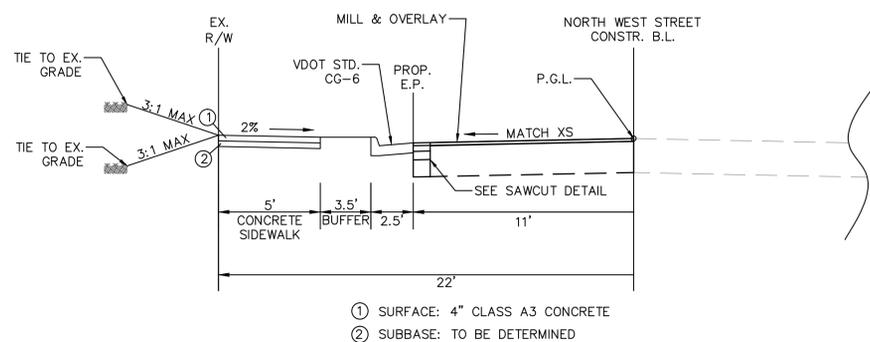
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 (NOT TO SCALE)
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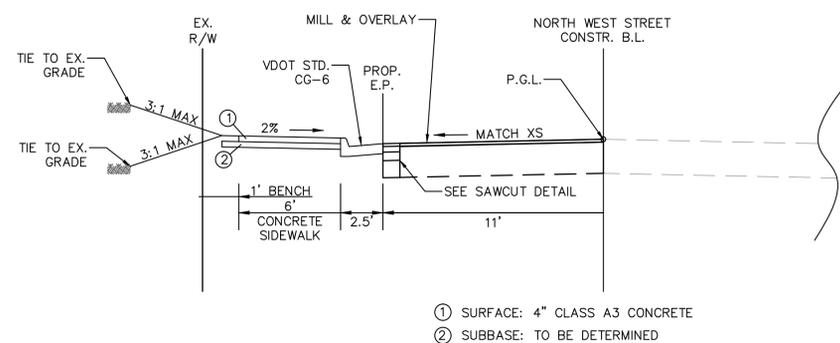
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 (NOT TO SCALE)
 STA. 201+50 TO STA. 202+25



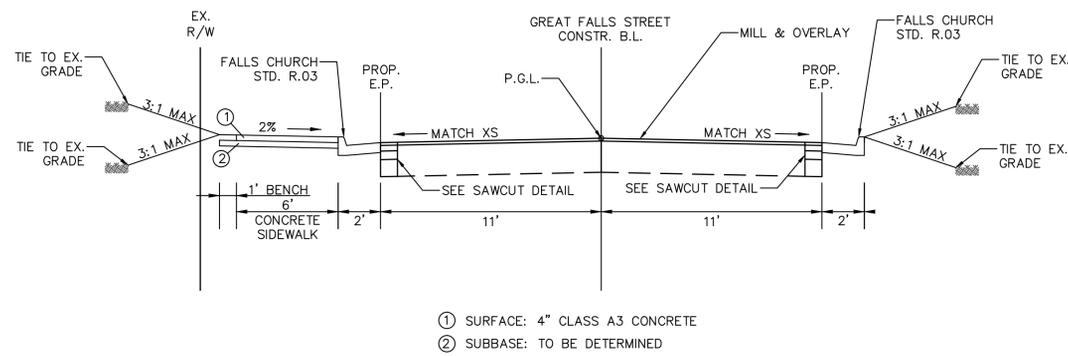
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 STA. 202+50 TO STA. 204+25



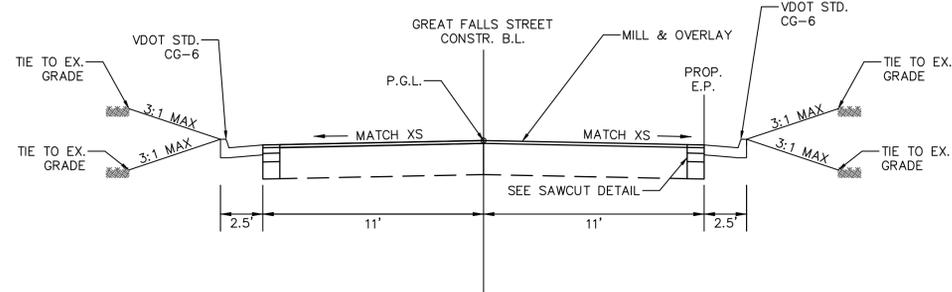
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 (NOT TO SCALE)
 STA. 202+50 TO STA. 204+25



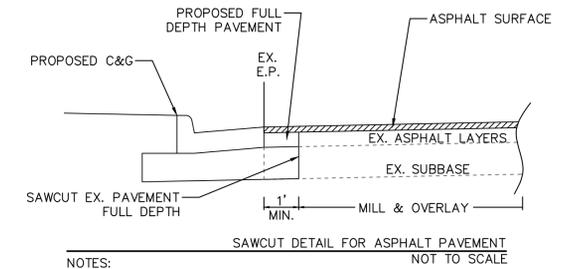
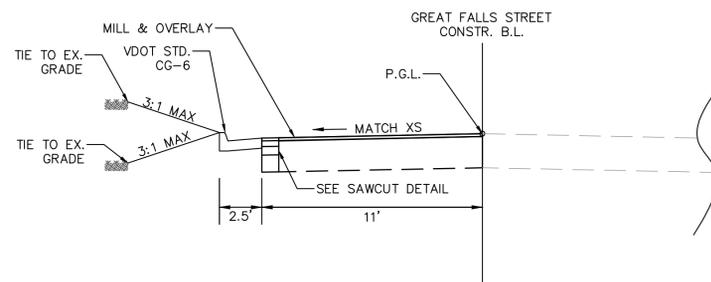
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 STA. 100+00 TO STA. 101+00



TYPICAL SECTION NO. 6
 (NOT TO SCALE)
 STA. 101+00 TO STA. 101+60

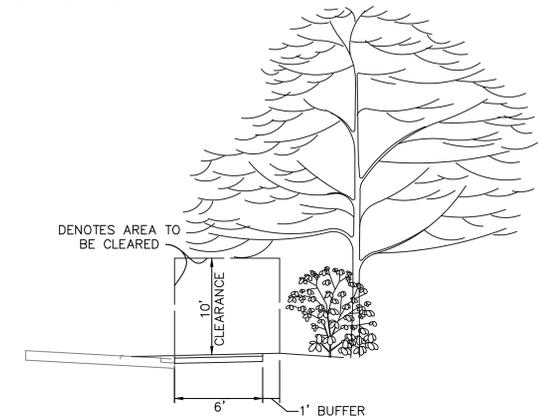


TYPICAL SECTION NO. 7
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 STA. 101+60 TO STA. 102+94

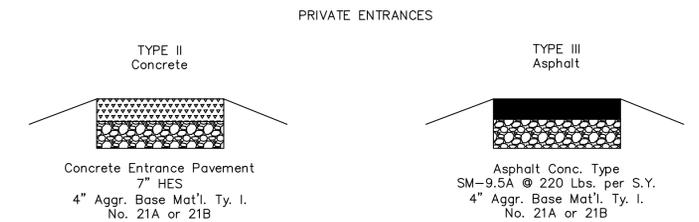


SAWCUT DETAIL FOR ASPHALT PAVEMENT
 NOT TO SCALE

- NOTES:
1. SEE ALSO VDOT STD. WP-2
 2. PROPOSED FULL DEPTH PAVEMENT SHALL MEET OR EXCEED THE DEPTHS AND TYPES OF THE LAYERS OF EXISTING PAVEMENT.
 3. EXISTING PAVEMENT LAYERS WITHIN THE LIMITS OF SAWCUT AND THE EDGE OF PAVEMENT ARE TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH 2007 ROAD AND BRIDGE SPECIFICATIONS.



CLEARING DETAIL FOR WALKWAYS
 NOT TO SCALE



PRIVATE ENTRANCES

TYPE II
 Concrete

TYPE III
 Asphalt

Concrete Entrance Pavement
 7" HES
 4" Aggr. Base Mat'l. Ty. I.
 No. 21A or 21B

Asphalt Conc. Type
 SM-9.5A @ 220 Lbs. per S.Y.
 4" Aggr. Base Mat'l. Ty. I.
 No. 21A or 21B

TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements TYPICAL SECTIONS AND DETAILS	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = N.T.S. VERT. = N/A		DESIGNED BY: DD	SHEET
DRAFTED BY: TC		CHECKED BY: BB	2
#	DESCRIPTION	BY	APPROVED DATE

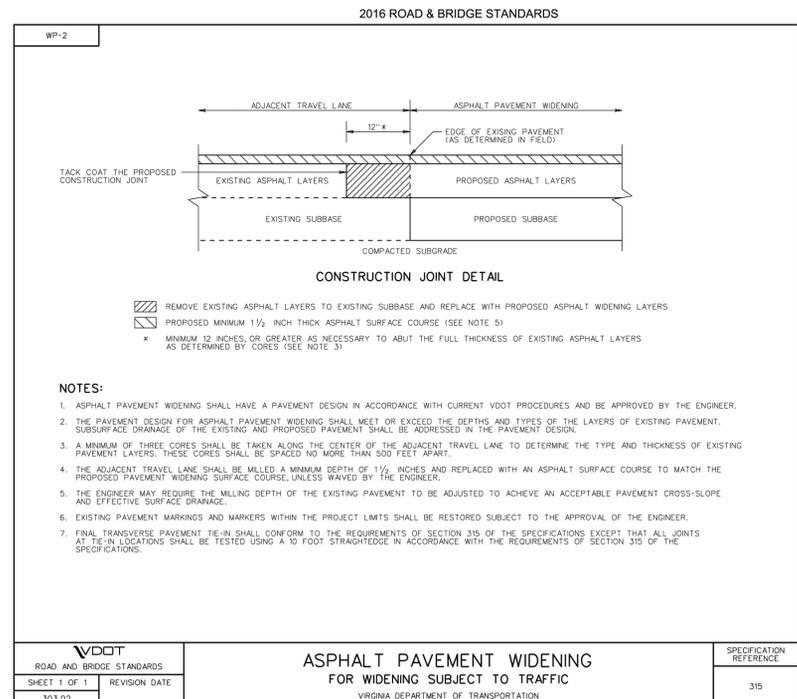
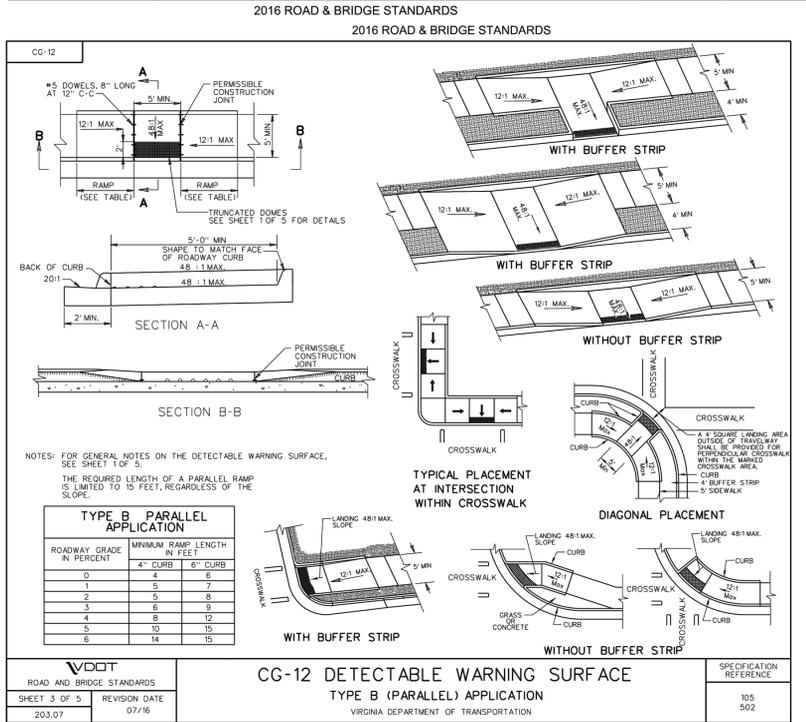
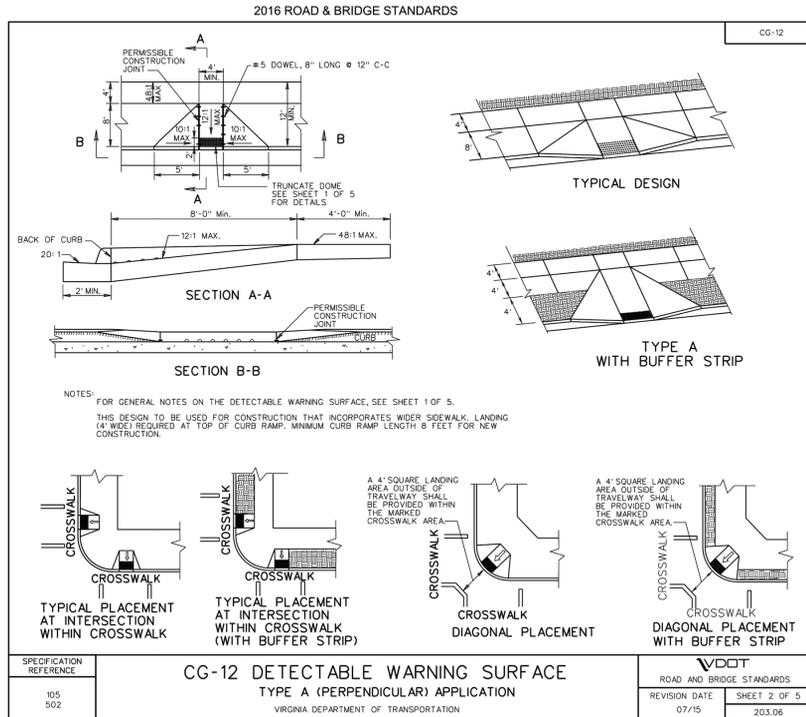
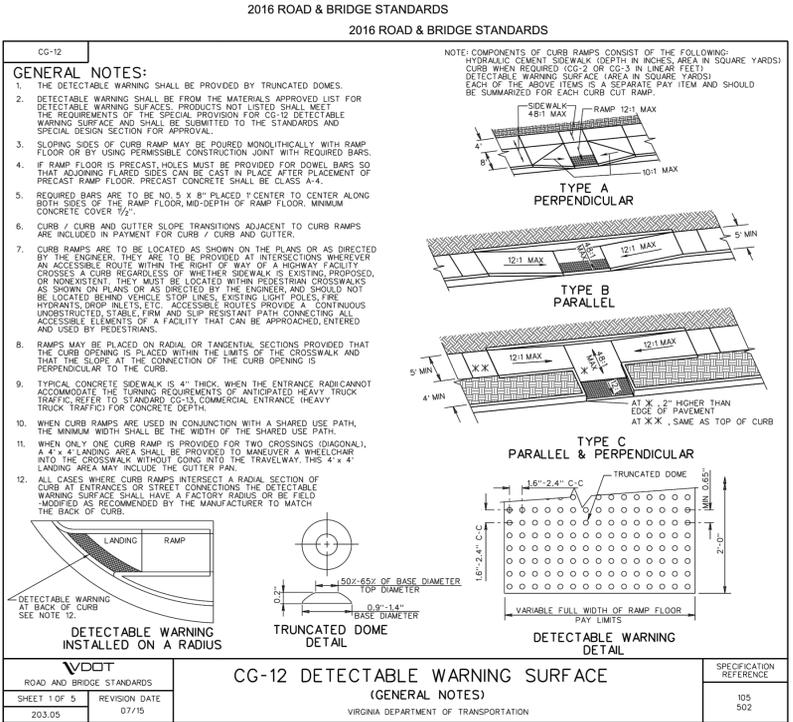
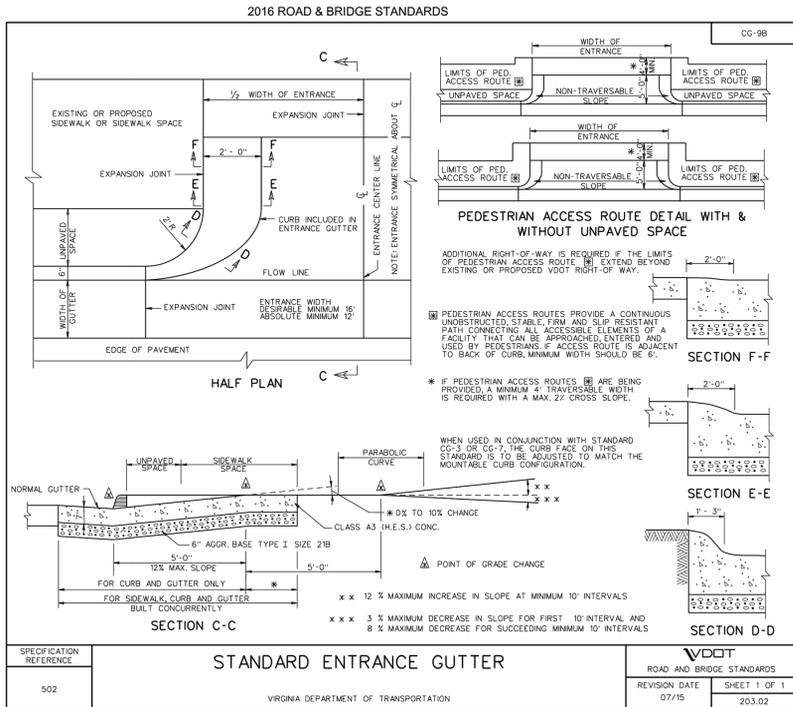
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 Phone: 703-674-1300

Plotted By: Doughty, Derik Sheet Set: Fairfax North West Street Layout: 2 TYPICAL SECTIONS AND DETAILS January 31, 2017 05:52:37pm K:\NVA_R0WY\10213032_fairfax north west street\CAD\plansheets\2 TYPICAL SECTIONS AND DETAILS.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
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 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

Plotted By: Doughty, Derik Sheet Set: Fairfax North West Street Layout: TYPICAL SECTIONS January 31, 2017 05:52:48pm K:\VVA-RD\WV\10213032_fairfax north west street\CAD\plansheets\2A_VDOT STANDARD DETAILS.dwg
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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911

FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

	CAPITAL FACILITIES 703-324-5800
	North West Street Sidewalk Improvements VDOT STANDARD DETAILS
PROJECT NO. ST-00036-003	FUND NO. 300-C30050
SCALE	DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB
SHEET	2A

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PRE-FINAL PLANS
 NOT FOR
 CONSTRUCTION

Erosion and Sediment Control Narrative

Project Description: This project is a pedestrian facility improvement project in Fairfax County. The project proposes the construction of approximately 250 LF of 6' concrete sidewalk on WB North West Street (Rte 1799) connecting the existing concrete walk on the northeast corner of the intersection of North West Street and Brilyn Place with the intersection of North West Street and Great Falls Street. The project also proposes the construction of approximately 50 LF of 6' concrete sidewalk on NB Great Falls Street.

Existing Site Conditions: The existing vegetation along the proposed sidewalk consists of lawn grasses and trees. These trees provide a buffer between the road and houses along North West Street. The existing longitudinal slope of North West Street varies from relatively flat to approximately 4% in some areas along the project site. There is a high point at approximate Sta. 202+50. There is an existing gravel shoulder along North West Street along the project limits.

There are two outfall locations in this project. The Outfalls are an existing storm drain system and overland flow. See Outfall Analysis Map on Sheet 2G for the outfall locations. Runoff from the project site reaches the outfall via storm sewer, curb and gutter, and overland flow.

Adjacent Areas: The site is bound by Great Falls Street to the West, Brilyn Place to the East and residential development to the north and south.

Offsite Areas: This project proposes offsite work. All necessary easements will be acquired prior to land disturbance.

Critical Areas: None

Erosion and Sediment Control Measures: *Unless otherwise directed, all vegetative and structural Erosion and Sediment Control practices shall be constructed and maintained in accordance with the most current minimum standards and specifications of the Virginia Sediment and Erosion Control Handbook. All necessary E&S measures shall be in place prior to beginning construction.*

Structural Practices:

1. Silt Fence Barrier (3.05) – Silt Fence sediment barriers will be installed down slope of areas with minimal grades to filter sediment-laden runoff from sheet flow as indicated on E&S Plan.
2. Storm Drain Inlet Protection (3.07) – All storm sewer inlets shall be protected during construction. Sediment-laden water shall be filtered before entering the storm sewer inlets.
3. Tree Protection (3.08) – A fence barrier is to be placed around the trees and vegetated areas which will not be disturbed as shown on the E&S Plan.

Permanent Stabilization:

Permanent stabilization shall be done in accordance with the Virginia Erosion and Sediment Control Handbook (See Sheet 2B(1) for seed mixtures). In all seeding operations, seed, fertilizer and lime will be applied prior to mulching. All areas disturbed by construction shall be stabilized with permanent seeding immediately following finish grading. Erosion and Sediment Control measures shall remain in place until the grass is established.

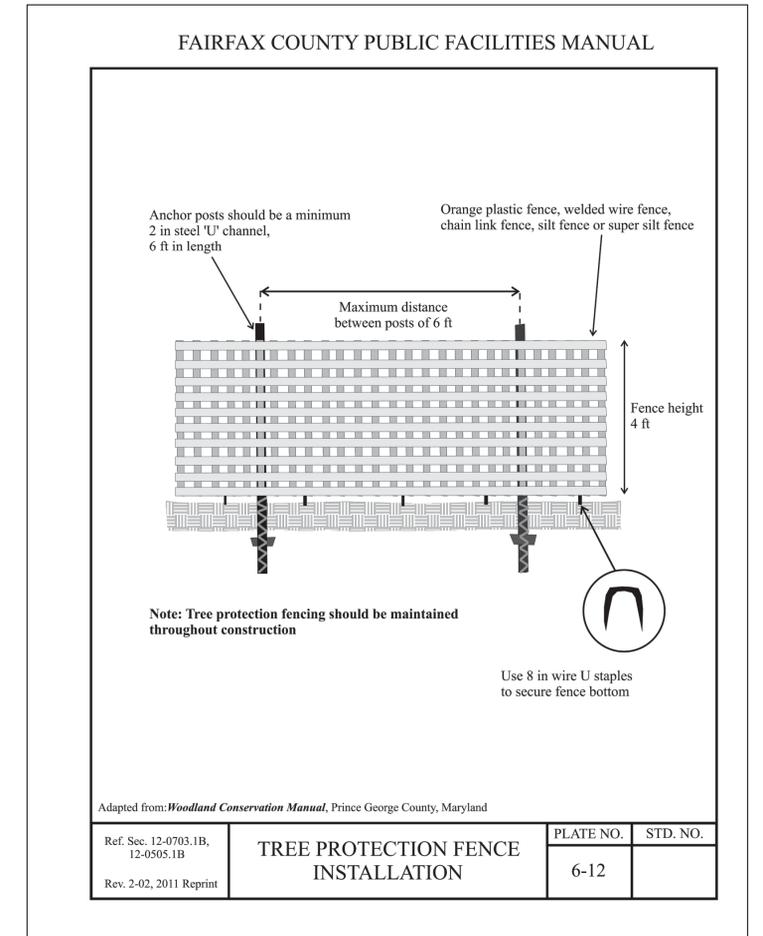
Stormwater Management: The project proposes an addition of 0.04 acres of impervious area total and a total of 0.10 acres of land disturbance. Details on the Stormwater Management Plan can be found on Sheet 2F.

Maintenance: In General, all Erosion and Sediment Control measures shall be checked daily and after each significant rainfall.

1. Sediment trapping measures will be installed as a first step in grading and will be seeded and mulched immediately following installation.
2. Temporary seeding or other stabilization will follow immediately after grading.
3. The job superintendent shall be responsible for the installation, daily inspection, and maintenance of all erosion and sediment control practices.

NOTES:

1. An Erosion & Sediment Control Contractor Certification (ESCCC) is required for all land disturbing activities occurring within the state's Right of Way.
2. The County is responsible for complying with applicable local, state and federal environmental laws and regulations, including acquiring clearances/authorizations from appropriate regulatory agencies.
3. All E&S controls shall be removed within 30 days after project is stabilized.



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DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES			
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
R E V I S I O N S	PRE-FINAL PLANS NOT FOR CONSTRUCTION		CAPITAL FACILITIES 703-324-5800
North West Street Sidewalk Improvements EROSION AND SEDIMENT CONTROL NARRATIVE		PROJECT NO. ST-00036-003 FUND NO. 300-C30050	
S	# DESCRIPTION BY APPROVED DATE	SCALE HORIZ.= N/A VERT.= N/A	DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB SHEET 2B

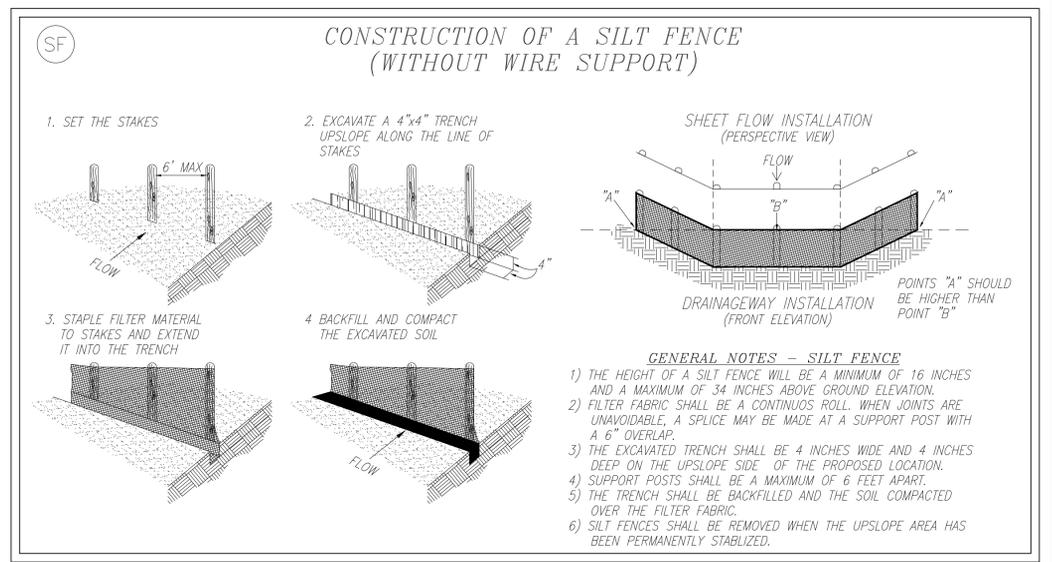
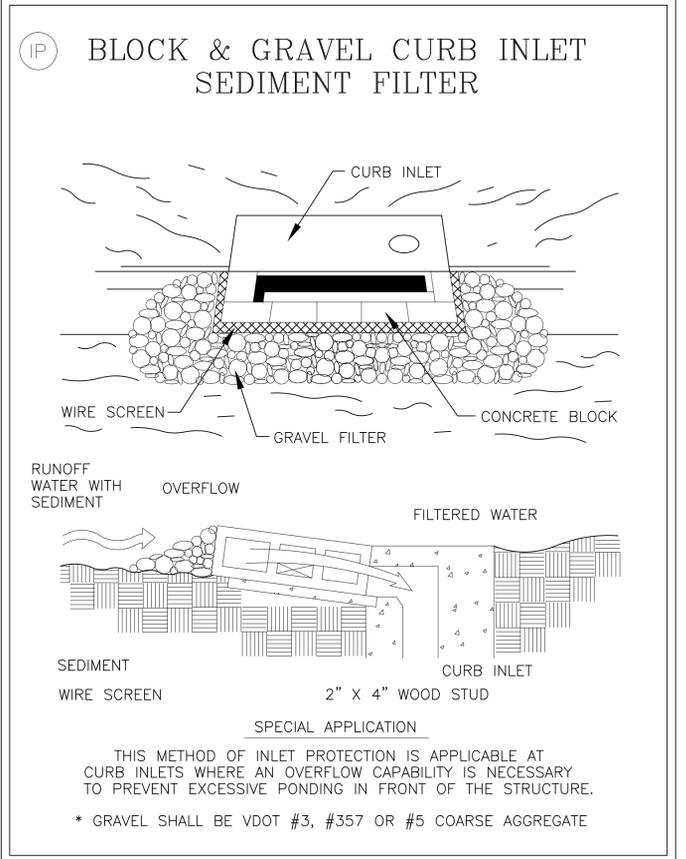
PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

4VAC50-30-40 MINIMUM STANDARDS. (MS-19)

AN EROSION AND SEDIMENT CONTROL PROGRAM ADOPTED BY A DISTRICT OR LOCALITY MUST BE CONSISTENT WITH THE FOLLOWING CRITERIA, TECHNIQUES AND METHODS:

1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOILS STOCKPILES ON-SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
4. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
5. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
6. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.
 - a. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.
 - b. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A TWENTY-FIVE YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.
7. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.
8. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
9. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
10. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
11. BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
12. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NON-ERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NON-ERODIBLE COVER MATERIALS.
13. WHEN A LIVE WATERCOURSE MUST BE GROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NON-ERODIBLE MATERIAL SHALL BE PROVIDED.
14. ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.
15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
16. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
 - a. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - b. EXCAVATED MATERIAL SHALL BE PLACED ON UPHILL SIDE OF TRENCHES.
 - c. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
 - d. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
 - e. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
 - f. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.
18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. TRAPPED MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASE IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA:
 - a. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.
 - b. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:
 - (1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR
 - (2) (a) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED AND BANKS; AND
 - (b) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND
 - (c) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.
 - c. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:
 - (1) IMPROVE THE CHANNEL TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR
 - (2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; OR
 - (3) DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR
 - (4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE PLAN-APPROVING AUTHORITY TO PREVENT DOWNSTREAM EROSION.
 - d. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.
 - e. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT.
 - f. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.
 - g. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.
 - h. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.
 - i. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY.
 - j. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS.
 - k. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE.

SITE SPECIFIC SEEDING MIXTURES FOR PIEDMONT AREA	
MINIMUM CARE LAWN	TOTAL LBS PER ACRE
COMMERCIAL OR RESIDENTIAL	175-200 LBS
-KENTUCKY 31 OR TURF-TYPE TALL FESCUE	95-100%
-IMPROVED PERENNIAL RYEGRASS	0-5%
-KENTUCKY BLUEGRASS	0-5%
GENERAL SLOPE (3:1 OR LESS)	
-KENTUCKY 31 FESCUE	128 LBS
-RED TOP GRASS	2 LBS
-SEASONAL NURSE CROP *	20 LBS
	150 LBS
LOW-MAINTENANCE SLOPE (STEEPER THAN 3:1)	
-KENTUCKY 31 FESCUE	108 LBS
-RED TOP GRASS	2 LBS
-SEASONAL NURSE CROP *	20 LBS
-CROWNVETCH **	20 LBS
	150 LBS
* USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW	
FEBRUARY 16TH THROUGH APRIL	ANNUAL RYE
MAY 1ST THROUGH AUGUST 15TH	FOXTAIL MILLET
AUGUST 16TH THROUGH OCTOBER	ANNUAL RYE
NOVEMBER THROUGH FEBRUARY 15TH	WINTER RYE
** SUBSTITUTE SERICEA LESPEDEZA FOR CROWNVETCH EAST OF FARMVILLE, VA. (MAY THROUGH SEPTEMBER USE HULLED SERICEA, ALL OTHER PERIODS, USE UNHULLED SERICEA). IF FLATPEA IS USED IN LIEU OF CROWNVETCH, INCREASE RATE TO 30LBS/ACRE. ALL LEGUME SEED MUST BE PROPERLY INOCULATED. WEEPING LOVEGRASS MAY BE ADDED TO ANY SLOPE OR LOW-MAINTENANCE MIX DURING WARMER SEEDING PERIODS; ADD 10-20 LBS/ACRE IN MIXES	



TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA			
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES			
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES		703-324-5800	
North West Street Sidewalk Improvements			
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS			
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = N/A		DESIGNED BY: DD	SHEET
VERT. = N/A		DRAFTED BY: TC	2B(1)
		CHECKED BY: BB	
R			
E			
V			
I			
S			
I			
O			
N			
S	DESCRIPTION	BY	APPROVED DATE

Kimley»Horn

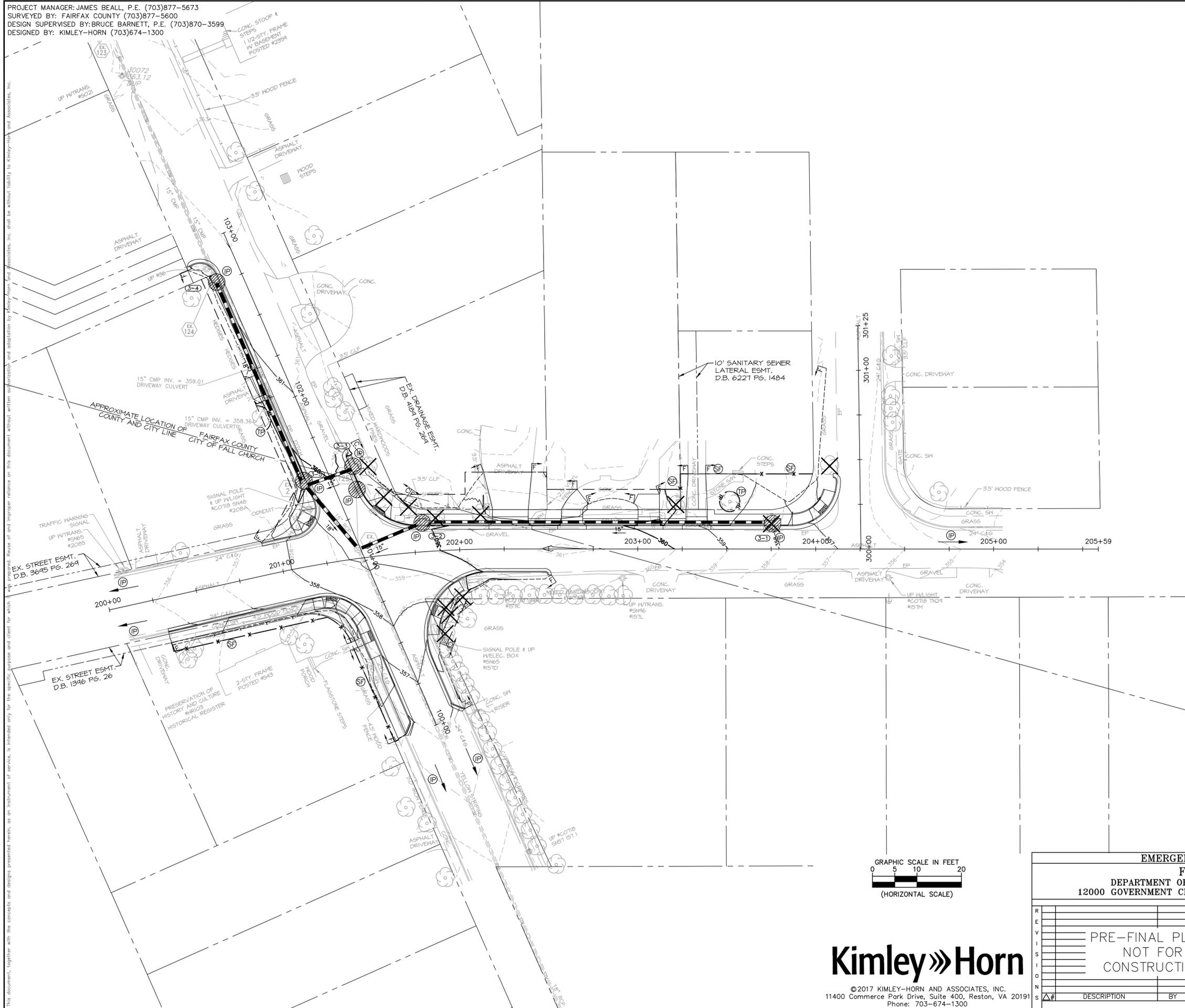
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 11400 Commerce Park Drive, Suite 400, Reston, VA 20191
 Phone: 703-674-1300

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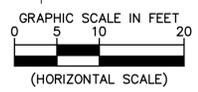
PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

EROSION & SEDIMENT CONTROL LEGEND			
KEY	SYMBOL	DESCRIPTION	No.
(SF)	—x—x—x—	TEMPORARY SILT FENCE	3.05
(IP)	⊗	TEMPORARY INLET PROTECTION	3.07
(TP)	— — — —	TEMPORARY TREE PROTECTION FENCE	3.38
	✕	TREE OR STUMP TO BE REMOVED	

FOR DETAILS SEE CURRENT EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE VDOT ROAD AND BRIDGE STANDARDS SECTION 100.



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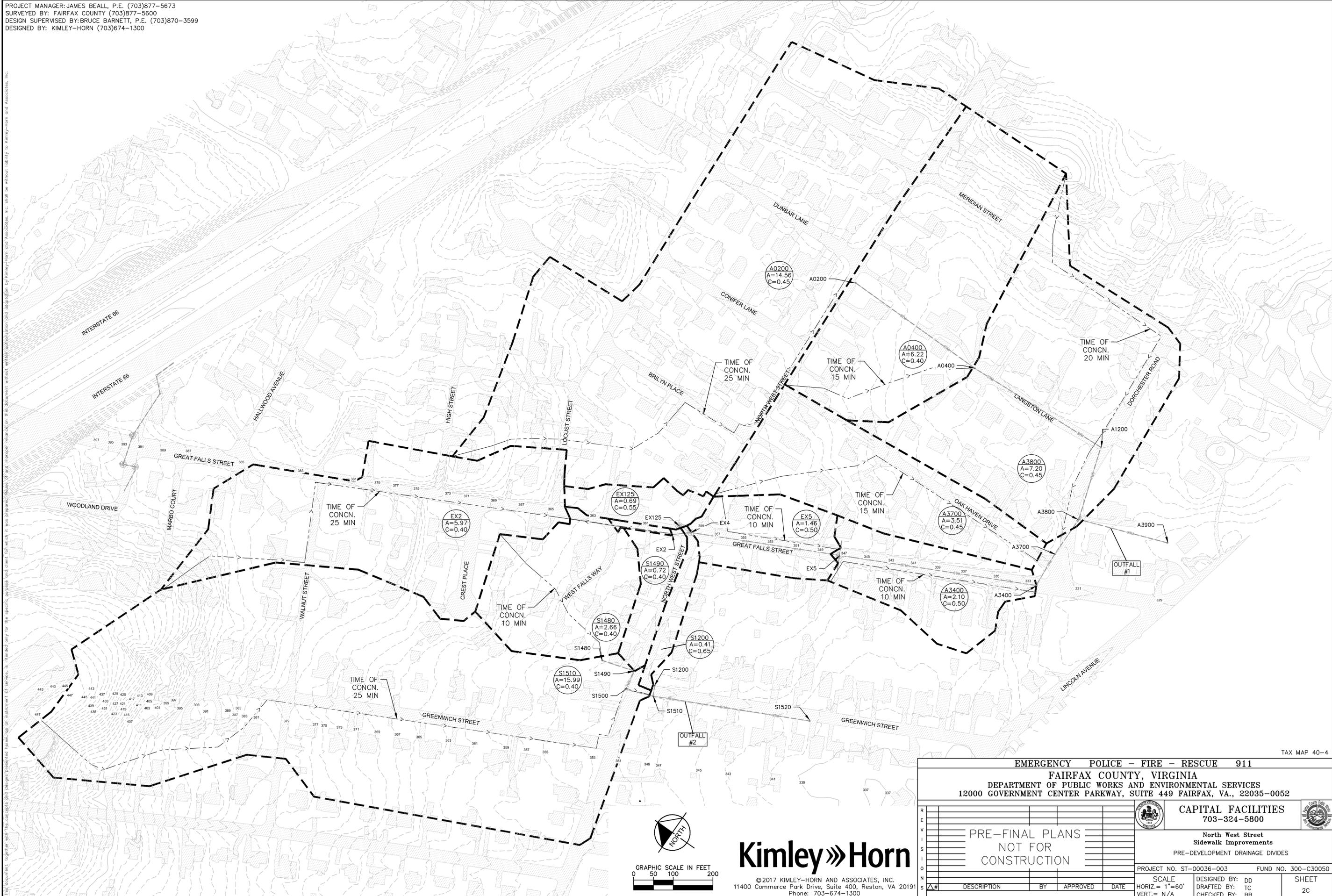
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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA			
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES			
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES		703-324-5800	
North West Street Sidewalk Improvements EROSION AND SEDIMENT CONTROL PLAN			
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = N/A		DESIGNED BY: DD	SHEET
DRAFTED BY: TC		CHECKED BY: BB	2B(2)
#	DESCRIPTION	BY	APPROVED DATE

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911

FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

CAPITAL FACILITIES
 703-324-5800

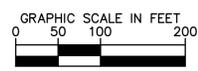
North West Street
 Sidewalk Improvements
 PRE-DEVELOPMENT DRAINAGE DIVIDES

PROJECT NO. ST-00036-003 FUND NO. 300-C30050

SCALE HORIZ. = 1"=60'
 VERT. = N/A

DESIGNED BY: DD
 DRAFTED BY: TC
 CHECKED BY: BB

SHEET
 2C



Kimley»Horn

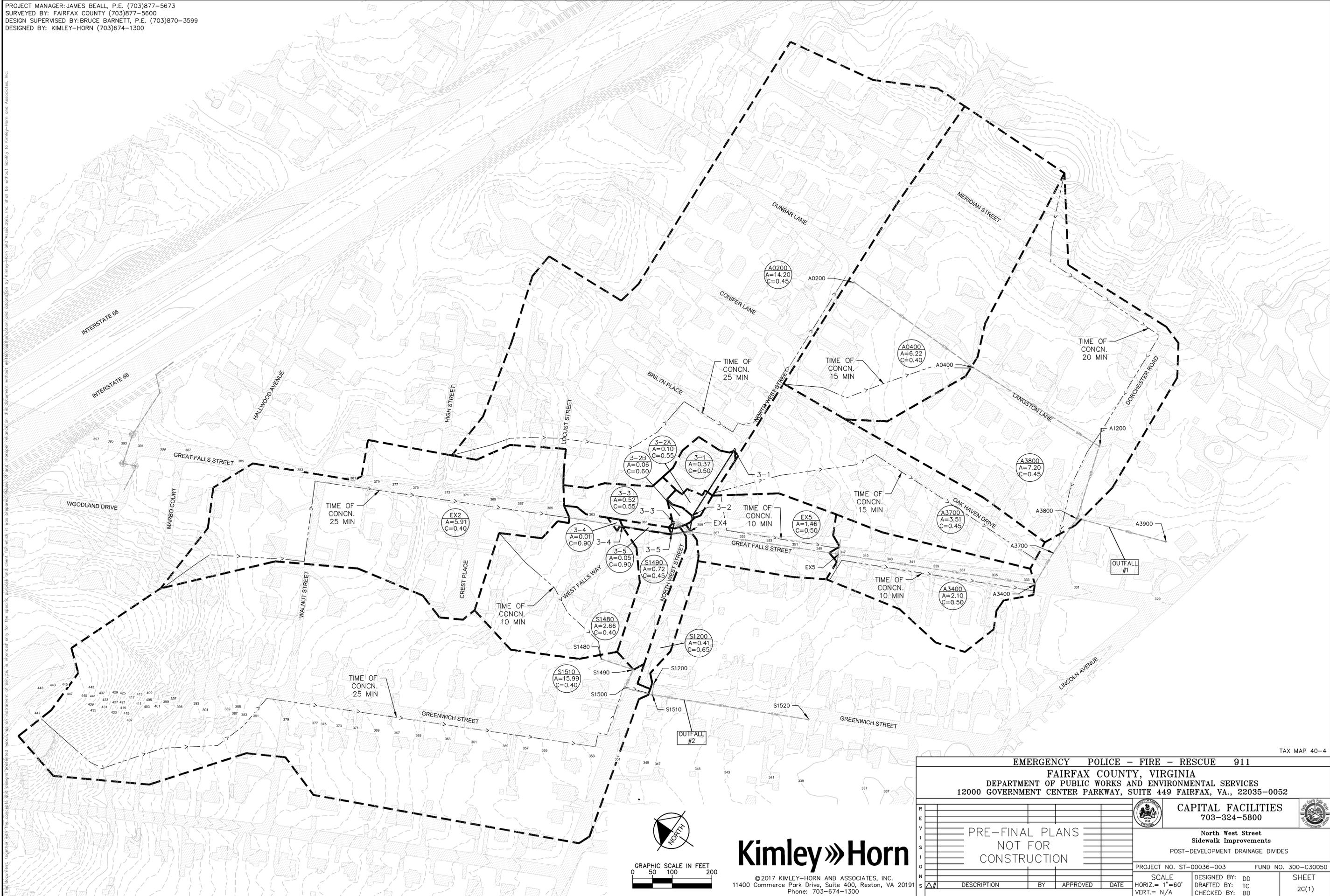
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 Phone: 703-674-1300

REVISION	DESCRIPTION	BY	APPROVED	DATE

PRE-FINAL PLANS
 NOT FOR
 CONSTRUCTION

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911

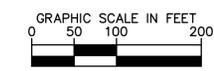
FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

CAPITAL FACILITIES
 703-324-5800

North West Street
 Sidewalk Improvements
 POST-DEVELOPMENT DRAINAGE DIVIDES

PROJECT NO. ST-00036-003 FUND NO. 300-C30050

SCALE HORIZ. = 1"=60'
 VERT. = N/A
 DESIGNED BY: DD
 DRAFTED BY: TC
 CHECKED BY: BB
 SHEET 2C(1)



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NO.	DESCRIPTION	BY	APPROVED	DATE

PRE-FINAL PLANS
 NOT FOR
 CONSTRUCTION

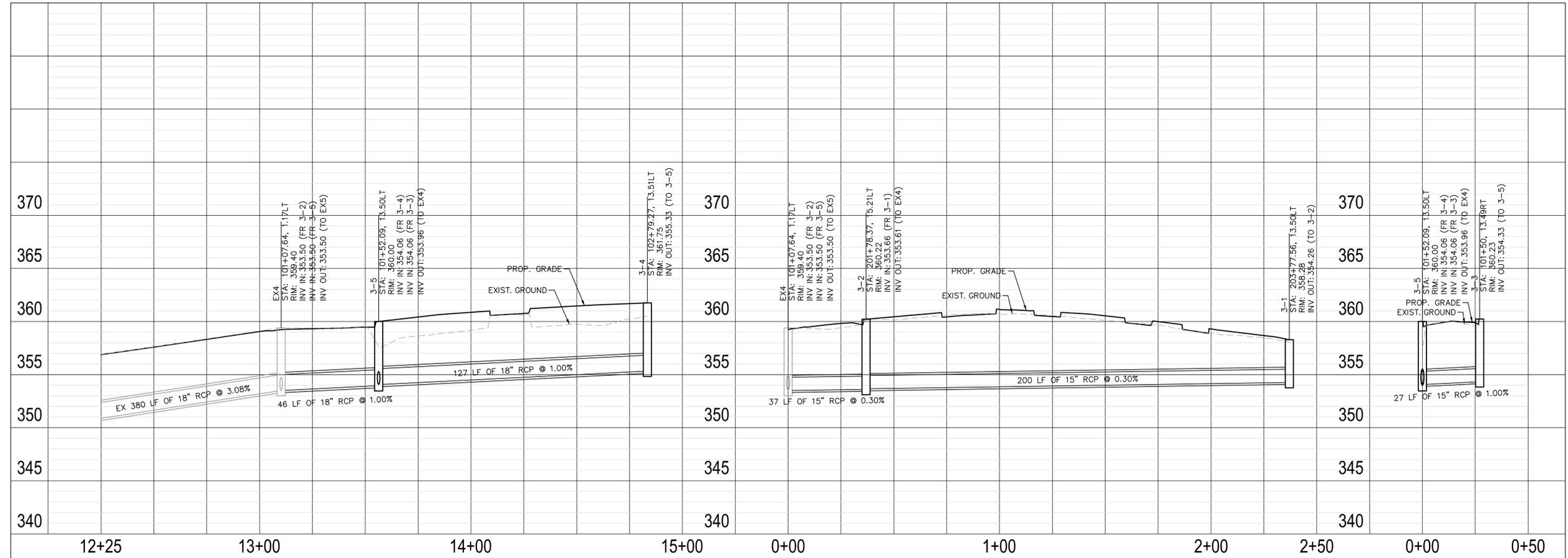
PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

LD-204 Stormwater Inlet Computations																																	
LD-204 Rev. 6-85		PPMS# ST-000036-003		PROJ North West Street Pedestrian Improvements										DATE January 31, 2017										SHEET 1 OF 1									
INLET		Sag Inlets Only																															
NUMBER	TYPE	LENGTH (FT)	STATION	DRAINAGE AREA (AC)	C	CA	sum CA	I (IN/HR)	Q INCR (CFS)	Q _b CARRYOVER (CFS)	Q _r GUTTER FLOW (CFS)	S ₁ GUTTER SLOPE (FT/FT)	S _x CROSS SLOPE (FT/FT)	T ₁ SPREAD (FT)	W (FT)	W/T	S _w (FT/FT)	S _w /S _x	E ₀	a = 1.2W(S _w - S _x) + Local Depression	S _w = a/(12w)	S _b = S _x + S _w (E ₀) (FT/FT)	COMPUTED LENGTH, L _r (FT)	L ₁ SPECIFIED LENGTH (FT)	L/L _r	E	Q _i INTERCEPTED (CFS)	Q _b CARRYOVER (CFS)	d (FT)	h (FT)	d/h	T ₁ SPREAD @ SAG (FT)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	
PRE-DEVELOPMENT INLETS - ON GRADE																																	
No Curb Inlets in Pre-Development Conditions																																	
POST-DEVELOPMENT INLETS - ON GRADE																																	
3-1	DI-3B	8	203+78	0.37	0.50	0.185	0.185	4.0	0.740	0.000	0.740	0.0230	0.0100	3.57	2	0.56	0.0833	8.33	0.99	3.76	0.157	0.165	7	8	1.14	1.00	0.74	0.000					
3-3	DI-3B	8	201+78	0.52	0.55	0.286	0.286	4.0	1.144	0.000	1.144	0.0250	0.0250	3.72	2	0.54	0.0833	3.33	0.95	3.40	0.142	0.160	8	8	1.00	1.00	1.14	0.000					
3-4	DI-3B	4	102+79	0.01	0.90	0.009	0.009	4.0	0.036	0.000	0.036	0.0070	0.0200	0.88	2	2.26	0.0833	4.17	1.00	3.52	0.147	0.167	2	4	2.00	1.00	0.04	0.000					
3-5	DI-3B	4	101+52	0.05	0.90	0.045	0.045	4.0	0.180	0.000	0.180	0.0230	0.0350	1.30	2	1.54	0.0833	2.38	1.00	3.16	0.132	0.167	4	4	1.00	1.00	0.18	0.000					
PRE-DEVELOPMENT INLETS - IN SAG																																	
No Curb Inlets in Pre-Development Conditions																																	
POST-DEVELOPMENT INLETS - IN SAG																																	
3-2	DI-3C	0	201+78	0.10	0.55	0.055	0.055	4.0	0.220	0.000	0.220	0.0010	0.0200	6.23	2	0.32	0.0833	4.17	0.95	3.52	0.147	0.159	1.95	0	0.00	0.00	0.00	0.220	0.125	0.420	0.297	6.228	
3-2	-	0	-	0.06	0.60	0.036	0.036	4.0	0.144	0.000	0.144	0.0010	0.0200	6.23	2	0.32	0.0833	4.17	1.00	3.52	0.147	0.166	1.54	0	0.00	0.00	0.00	0.144	0.125	0.420	0.297	6.228	

LD-347 Hydraulic Grade Line Computations																							
LD-347 Rev. 7/00		PROJECT: North West Street										SHEET: 1 OF 1											
HYDRAULIC GRADE LINE																							
Inlet Number	Outlet Water Surface Elev.	D ₀	Q ₀	L ₀	S ₀	H _r	JUNCTION LOSS															Inlet Water Surface Elev.	Rim Elev.
							V ₀	H ₀	Q ₁	V ₁	Q _{V1}	V ₂ ² /2g	H ₁	Angle	H ₂	H ₃	Plunging H ₄	Shaping H ₅	Final H				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)			
System #1 - PRE-DEVELOPMENT																							
A3800	326.76	60"x38"	64.26	231	0.004	0.49	7.56	0.22	21.50	6.84	147.06	0.73	0.25	69.75	0.45	0.92	1.20	0.60	1.09	327.85	330.35		
A3700	327.85	24	21.50	107	0.009	0.96	6.84	0.18	16.00	5.09	81.44	0.40	0.14	4.25	0.02	0.34	0.44	0.22	1.18	329.03	330.20		
A3400	329.03	24	16.00	91	0.010	0.81	6.80	0.17	12.51	7.08	88.57	0.78	0.27	67.99	0.47	0.91	1.18	0.59	1.20	330.23	332.40		
EX5	330.23	18	12.51	502	0.028	12.86	7.53	0.22	10.02	5.67	56.81	0.50	0.17	0.02	0.00	0.40	0.52	0.26	13.12	343.35	347.94		
EX4	343.35	18	10.02	380	0.030	11.37	6.51	0.16	8.66	7.05	61.06	0.77	0.27	15.02	0.15	0.00	0.00	0.00	11.37	354.72	359.40		
EX2	356.05	15	8.66	46	0.031	2.54	7.36	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.27	0.14	2.68	358.73	360.38		
EX125	356.74	15	2.59	32	0.020	1.17	4.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.04	1.21	356.95	359.65		
A1200	327.85	60"x24"	31.91	190	0.007	0.94	5.90	0.14	32.46	8.11	263.17	1.02	0.36	75.11	0.66	1.15	1.15	0.58	1.52	329.37	332.70		
A0400	329.41	36	32.46	375	0.006	2.44	7.10	0.20	23.75	7.56	179.55	0.89	0.31	3.56	0.04	0.55	0.72	0.36	2.80	332.21	336.00		
A0200	332.20	24	23.75	370	0.028	10.22	8.23	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.34	0.17	10.39	342.59	344.62		
System #2 - PRE-DEVELOPMENT																							
S1510	335.74	24	29.06	400	0.025	11.21	9.58	0.36	7.38	2.35	17.34	0.09	0.03	90.67	0.02	0.41	0.53	0.27	11.48	347.22	349.80		
S1500	347.22	24	7.38	71	0.001	0.08	2.35	0.02	7.40	2.36	17.46	0.09	0.03	101.56	0.06	0.12	0.06	0.14	347.36	350.20			
S1490	347.35	24	7.40	51	0.022	0.82	4.92	0.09	5.85	3.89	22.76	0.23	0.08	96.92	0.17	0.35	0.46	0.23	1.05	348.40	351.12		
S1480	348.39	18	5.85	84	0.062	5.04	5.06	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.13	0.07	5.11	353.50	356.40			
S1200	347.22	15	1.82	27	0.001	0.01	1.69	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	347.24	349.40		
System #1 - POST-DEVELOPMENT																							
A3800	326.76	60"x38"	63.99	231	0.004	0.48	7.55	0.22	22.09	7.03	155.29	0.77	0.27	69.75	0.47	0.96	1.25	0.62	1.10	327.86	330.35		
A3700	327.87	24	22.09	107	0.010	1.02	7.03	0.19	16.63	5.29	87.97	0.43	0.15	4.25	0.02	0.37	0.48	0.24	1.26	329.13	330.20		
A3400	329.12	24	16.63	91	0.009	0.56	6.72	0.18	13.17	7.45	98.12	0.86	0.30	67.99	0.52	1.00	1.30	0.65	1.20	330.32	332.40		
EX5	330.32	18	13.17	502	0.028	12.80	7.83	0.24	10.71	6.06	64.90	0.57	0.20	0.02	0.00	0.44	0.57	0.29	13.09	343.41	347.94		
EX4	343.40	18	10.71	380	0.030	11.35	6.77	0.18	9.74	5.53	53.86	0.47	0.17	15.09	0.09	0.44	0.44	0.22	11.57	354.97	359.40		
3-5	354.97	18	9.74	46	0.008	0.22	6.25	0.15	8.60	5.20	44.72	0.42	0.15	15.36	0.08	0.38	0.38	0.19	0.41	355.38	360.00		
3-4	355.39	18	8.60	127	0.010	1.08	5.99	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.18	0.09	1.17	355.56	361.75			
3-3	355.39	15	1.95	27	0.001	0.02	1.74	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.03	355.42	360.15			
3-2	354.97	15	1.77	37	0.001	0.03	1.44	0.01	1.26	1.03	1.30	0.02	0.01	21.66	0.00	0.02	0.03	0.01	0.04	355.01	359.91		
3-1	355.01	15	1.26	200	0.000	0.07	1.48	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.08	355.09	358.18			
A1200	327.87	60"x24"	31.34	190	0.007	0.90	5.86	0.13	31.86	8.07	257.11	1.01	0.35	75.11	0.65	1.14	1.14	0.57	1.47	329.34	332.70		
A0400	329.39	36	31.86	375	0.006	2.44	7.05	0.19	23.17	7.37	170.76	0.84	0.30	3.56	0.04	0.53	0.69	0.34	2.78	332.17	336.00		
A0200	332.17	24	23.17	370	0.028	10.24	8.09	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.33	0.16	10.40	342.57	344.62		
System #2 - POST-DEVELOPMENT																							
S1510	335.74	24	29.19	400	0.025	11.21	9.62	0.36	7.58	2.41	18.27	0.09	0.03	90.67	0.02	0.42	0.55	0.27	11.48	347.22	349.80		
S1500	347.22	24	7.58	71	0.001	0.08	2.41	0.02	7.60	2.42	18.39	0.09	0.03	101.56	0.07	0.12	0.06	0.14	347.36	350.20			
S1490	347.36	24	7.60	51	0.022	0.82	4.96	0.10	5.85	3.85	22.52	0.23	0.08	96.92	0.17	0.34	0.44	0.22	1.04	348.40	351.12		
S1480	348.40	18	5.85	84	0.061	5.03	5.06	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.13	0.07	5.10	353.50	356.40			
S1200	347.22	15	1.82	27	0.001	0.01	1.68	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	347.24	349.40		

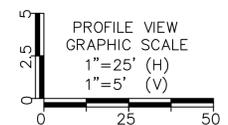
LD-229 40330		STORM SEWER DESIGN COMPUTATIONS										ROUTE: N/A										PROJ: North West Street									
		COUNTY: Fairfax County										DISTRICT: Northern Virginia										DESCRIPTION: Stormwater Calculations									
		SHEET: 1 OF 1																													
Inlet	From Point	To Point	Inlet Area (acres)	Run-off Coeff.	CA			Inlet Time (min)	System Intensity (in/hr)	System Flow (cfs)	Invert Elevations		Length (ft)	Slope (ft/ft)	Pipe Size	Capacity (cfs)	Velocity (ft/s)	Flow Time (min)													
					Increment	External	System				Upstream End	Downstream End																			
System #1 - PRE-DEVELOPMENT																															
A3800	A3800	A3800	7.20	0.45	3.24	15.17	18.41	26.83	3.46	64.26																					

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STORMWATER DESCRIPTIONS

- | | |
|--|---|
| <p>(3-1) 1 Std. DI-3B Req.
L=8', H=3.9' Inv. 354.3
Std. IS-1 Req.</p> <p>(3-1) TO (3-2) 200'-15" RCP-CLIII Req. (3' Cover)
Inv.(In) 354.3, Inv.(Out) 353.7</p> <p>(3-2) 1 Std. DI-3C Req.
L=6', H=6.3' Inv. 353.6
Std. IS-1 Req.</p> <p>(3-2) TO (EX4) 38'-15" RCP-CLIII Req. (4' Cover)
Inv.(In) 353.6 Inv.(Out) 353.5</p> <p>(3-3) 1 Std. DI-3B Req.
L=8', H=5.8' Inv. 354.3
Std. IS-1 Req.</p> <p>(3-3) TO (3-5) 28'-15" RCP-CLIII Req. (4' Cover)
Inv.(In) 354.3 Inv.(Out) 354.1</p> | <p>(3-4) 1 Std. DI-3B Req.
L=4', H=6.4' Inv. 355.3
Std. IS-1 Req.</p> <p>(3-4) TO (3-5) 128'-18" RCP-CLIII Req. (4' Cover)
Inv.(In) 355.3, Inv.(Out) 354.1</p> <p>(3-5) 1 Std. DI-3B Req.
L=4', H=6.0' Inv. 354.0
Std. IS-1 Req.</p> <p>(3-5) TO (EX4) 46'-18" RCP-CLIII Req. (4' Cover)
Inv.(In) 354.0, Inv.(Out) 353.5</p> <p>(EX4) Modify Existing MH
To Accept 15" and 18" Pipe
Modify Existing MH
To Remove 15" Pipe</p> |
|--|---|



TAX MAP 40-4

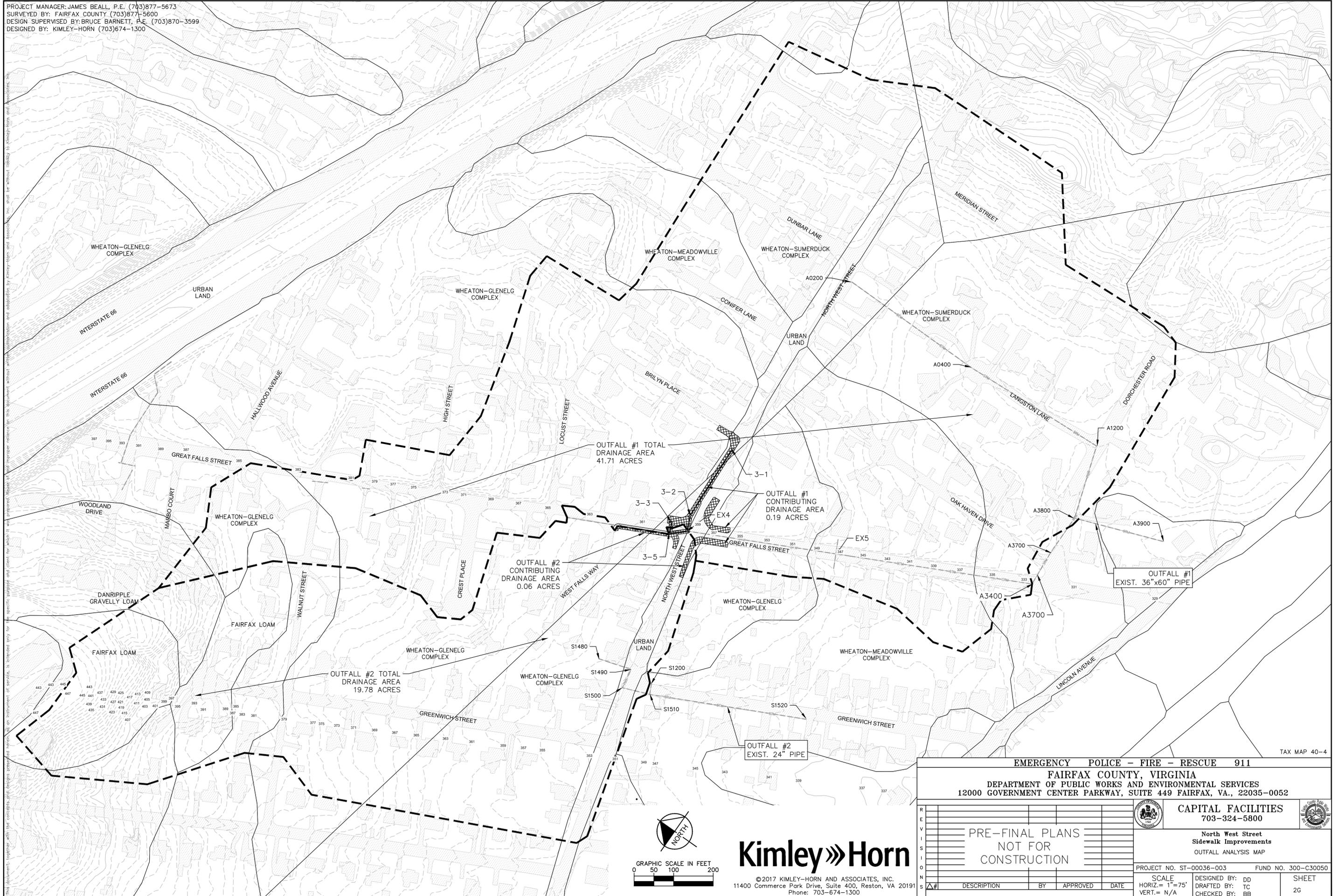
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements STORM DRAINAGE PROFILES	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=25' VERT. = 1"=5'		DESIGNED BY: DD	SHEET
		DRAFTED BY: TC	2E
		CHECKED BY: BB	

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 Phone: 703-674-1300

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#	DESCRIPTION	BY	APPROVED	DATE					

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300



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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911

FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

CAPITAL FACILITIES
 703-324-5800

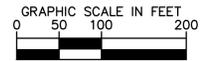
North West Street
 Sidewalk Improvements
 OUTFALL ANALYSIS MAP

PROJECT NO. ST-00036-003 FUND NO. 300-C30050

SCALE HORIZ. = 1"=75'
 VERT. = N/A

DESIGNED BY: DD
 DRAFTED BY: TC
 CHECKED BY: BB

SHEET
 26



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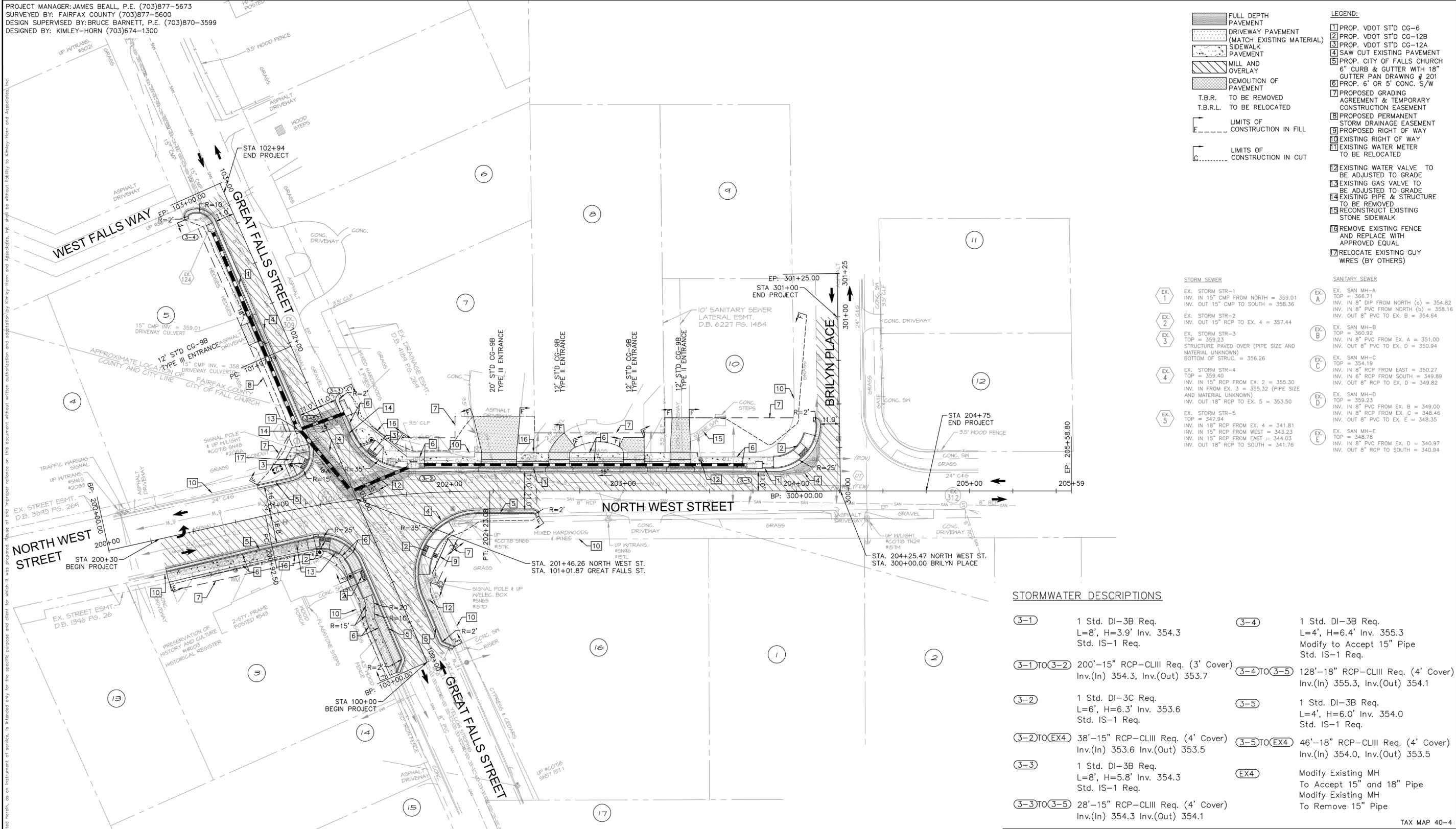
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REVISION	DESCRIPTION	BY	APPROVED	DATE

PRE-FINAL PLANS
 NOT FOR
 CONSTRUCTION

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

Plotted By: Doughty, Derik
 Sheet Set: Fairfax North West Street
 Layout: 3 PLAN
 January 31, 2017 05:55:40pm
 K:\NVA_R01\10213032_fairfax north west street\CAD\plansheets\3 Plan and Profile.dwg
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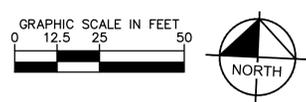


- LEGEND:**
- [Pattern] FULL DEPTH PAVEMENT
 - [Pattern] DRIVEWAY PAVEMENT (MATCH EXISTING MATERIAL)
 - [Pattern] SIDEWALK PAVEMENT
 - [Pattern] MILL AND OVERLAY
 - [Pattern] DEMOLITION OF PAVEMENT
 - T.B.R. TO BE REMOVED
 - T.B.R.L. TO BE RELOCATED
 - [Symbol] LIMITS OF CONSTRUCTION IN FILL
 - [Symbol] LIMITS OF CONSTRUCTION IN CUT
- PROPOSED GRADING AGREEMENT & TEMPORARY CONSTRUCTION EASEMENT**
- [1] PROP. VDOT STD CG-6
 - [2] PROP. VDOT STD CG-12B
 - [3] PROP. VDOT STD CG-12A
 - [4] SAW CUT EXISTING PAVEMENT
 - [5] PROP. CITY OF FALLS CHURCH 6" CURB & GUTTER WITH 18" GUTTER PAN DRAWING # 201
 - [6] PROP. 6" OR 5" CONC. S/W
 - [7] PROPOSED PERMANENT STORM DRAINAGE EASEMENT
 - [8] PROPOSED PERMANENT STORM DRAINAGE EASEMENT
 - [9] PROPOSED RIGHT OF WAY
 - [10] EXISTING RIGHT OF WAY
 - [11] EXISTING WATER METER TO BE RELOCATED
 - [12] EXISTING WATER VALVE TO BE ADJUSTED TO GRADE
 - [13] EXISTING GAS VALVE TO BE ADJUSTED TO GRADE
 - [14] EXISTING PIPE & STRUCTURE TO BE REMOVED
 - [15] RECONSTRUCT EXISTING STONE SIDEWALK
 - [16] REMOVE EXISTING FENCE AND REPLACE WITH APPROVED EQUAL
 - [17] RELOCATE EXISTING GUY WIRES (BY OTHERS)

STORM SEWER		SANITARY SEWER	
EX. 1	EX. STORM STR-1 INV. IN 15" CMP FROM NORTH = 359.01 INV. OUT 15" RCP TO SOUTH = 358.36	EX. A	EX. SAN MH-A TOP = 366.71 INV. IN 8" DIP FROM NORTH (a) = 354.82 INV. IN 8" PVC FROM NORTH (b) = 358.16 INV. OUT 8" PVC TO EX. B = 354.64
EX. 2	EX. STORM STR-2 TOP = 359.23 STRUCTURE PAVED OVER (PIPE SIZE AND MATERIAL UNKNOWN) BOTTOM OF STRUC. = 356.26	EX. B	EX. SAN MH-B TOP = 360.92 INV. IN 8" PVC FROM EX. A = 351.00 INV. OUT 8" RCP TO EX. D = 350.94
EX. 3	EX. STORM STR-3 TOP = 359.40 INV. IN 15" RCP FROM EX. 2 = 355.30 INV. IN FROM EX. 3 = 355.32 (PIPE SIZE AND MATERIAL UNKNOWN) INV. OUT 18" RCP TO EX. 5 = 353.50	EX. C	EX. SAN MH-C TOP = 354.19 INV. IN 8" RCP FROM EAST = 350.27 INV. IN 8" RCP FROM SOUTH = 349.89 INV. OUT 8" RCP TO EX. D = 349.82
EX. 4	EX. STORM STR-4 TOP = 359.23 INV. IN 15" RCP FROM EX. 4 = 341.81 INV. IN 15" RCP FROM WEST = 343.23 INV. IN 15" RCP FROM EAST = 344.03 INV. OUT 18" RCP TO SOUTH = 341.76	EX. D	EX. SAN MH-D TOP = 359.23 INV. IN 8" PVC FROM EX. B = 349.00 INV. IN 8" RCP FROM EX. C = 348.46 INV. OUT 8" PVC TO EX. E = 348.35
EX. 5	EX. STORM STR-5 TOP = 347.94 INV. IN 15" RCP FROM EX. 5 = 343.23 INV. IN 15" RCP FROM EAST = 344.03 INV. OUT 18" RCP TO SOUTH = 341.76	EX. E	EX. SAN MH-E TOP = 348.78 INV. IN 8" PVC FROM EX. D = 340.97 INV. OUT 8" RCP TO SOUTH = 340.94

STORMWATER DESCRIPTIONS

(3-1)	1 Std. DI-3B Req. L=8', H=3.9' Inv. 354.3 Std. IS-1 Req.	(3-4)	1 Std. DI-3B Req. L=4', H=6.4' Inv. 355.3 Modify to Accept 15" Pipe Std. IS-1 Req.
(3-1) TO (3-2)	200'-15" RCP-CLIII Req. (3' Cover) Inv.(In) 354.3, Inv.(Out) 353.7	(3-4) TO (3-5)	128'-18" RCP-CLIII Req. (4' Cover) Inv.(In) 355.3, Inv.(Out) 354.1
(3-2)	1 Std. DI-3C Req. L=6', H=6.3' Inv. 353.6 Std. IS-1 Req.	(3-5)	1 Std. DI-3B Req. L=4', H=6.0' Inv. 354.0 Std. IS-1 Req.
(3-2) TO (EX4)	38'-15" RCP-CLIII Req. (4' Cover) Inv.(In) 353.6 Inv.(Out) 353.5	(3-5) TO (EX4)	46'-18" RCP-CLIII Req. (4' Cover) Inv.(In) 354.0, Inv.(Out) 353.5
(3-3)	1 Std. DI-3B Req. L=8', H=5.8' Inv. 354.3 Std. IS-1 Req.	(EX4)	Modify Existing MH To Accept 15" and 18" Pipe Modify Existing MH To Remove 15" Pipe
(3-3) TO (3-5)	28'-15" RCP-CLIII Req. (4' Cover) Inv.(In) 354.3 Inv.(Out) 354.1		



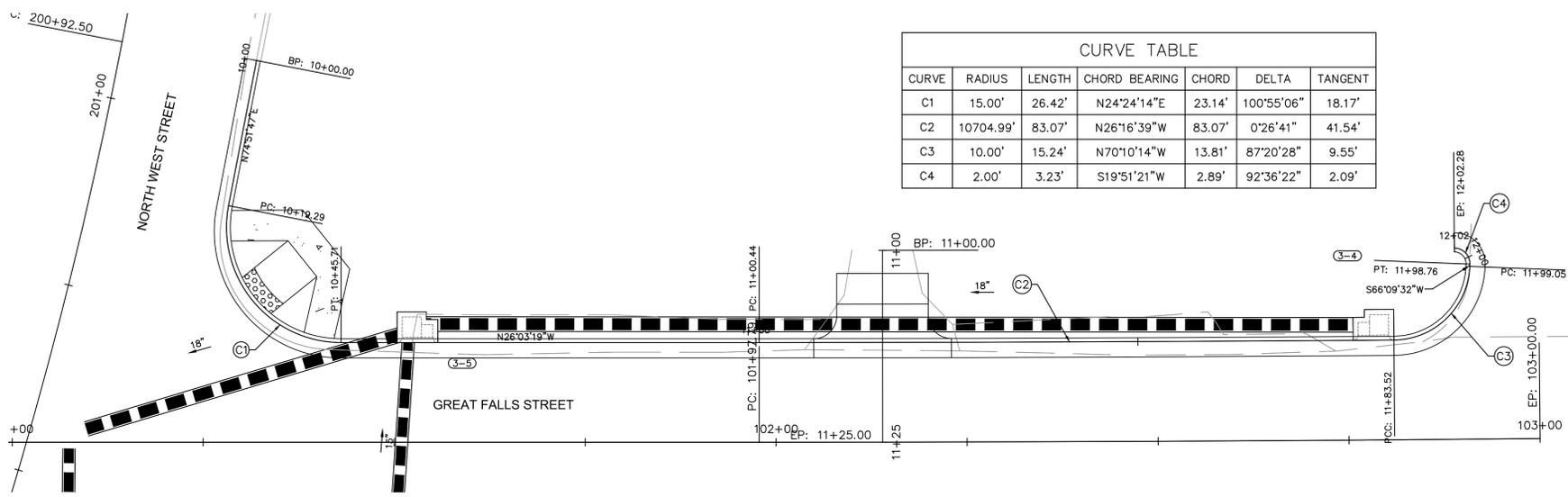
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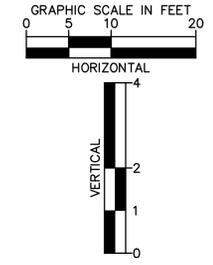
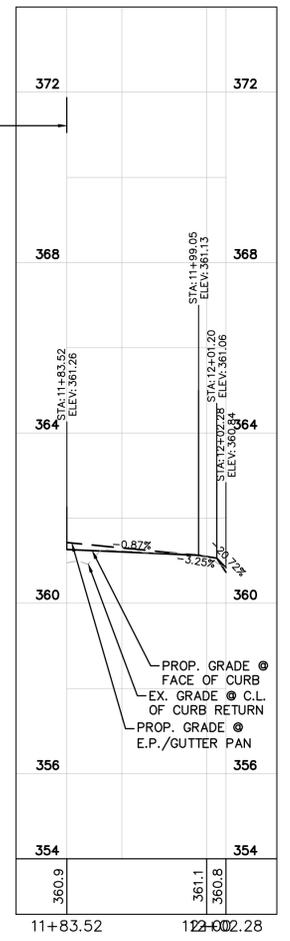
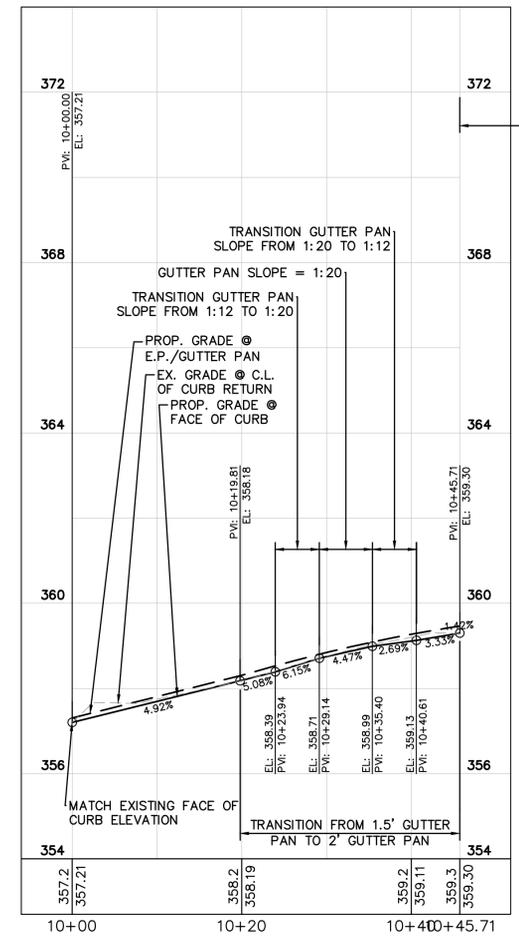
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA			
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements PLAN	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=25' VERT. = N/A		DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB	SHEET 3
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PRE-FINAL PLANS NOT FOR CONSTRUCTION			
#	DESCRIPTION	BY	APPROVED DATE

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	15.00'	26.42'	N24°24'14"E	23.14'	100°55'06"	18.17'
C2	10704.99'	83.07'	N26°16'39"W	83.07'	0°26'41"	41.54'
C3	10.00'	15.24'	N70°10'14"W	13.81'	87°20'28"	9.55'
C4	2.00'	3.23'	S19°51'21"W	2.89'	92°36'22"	2.09'



SEE CROSS SECTIONS FOR EDGE OF PAVEMENT ELEVATIONS



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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CURB RETURN PROFILES	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=2'		DESIGNED BY: DD	SHEET
		DRAFTED BY: TC	3B
		CHECKED BY: BB	

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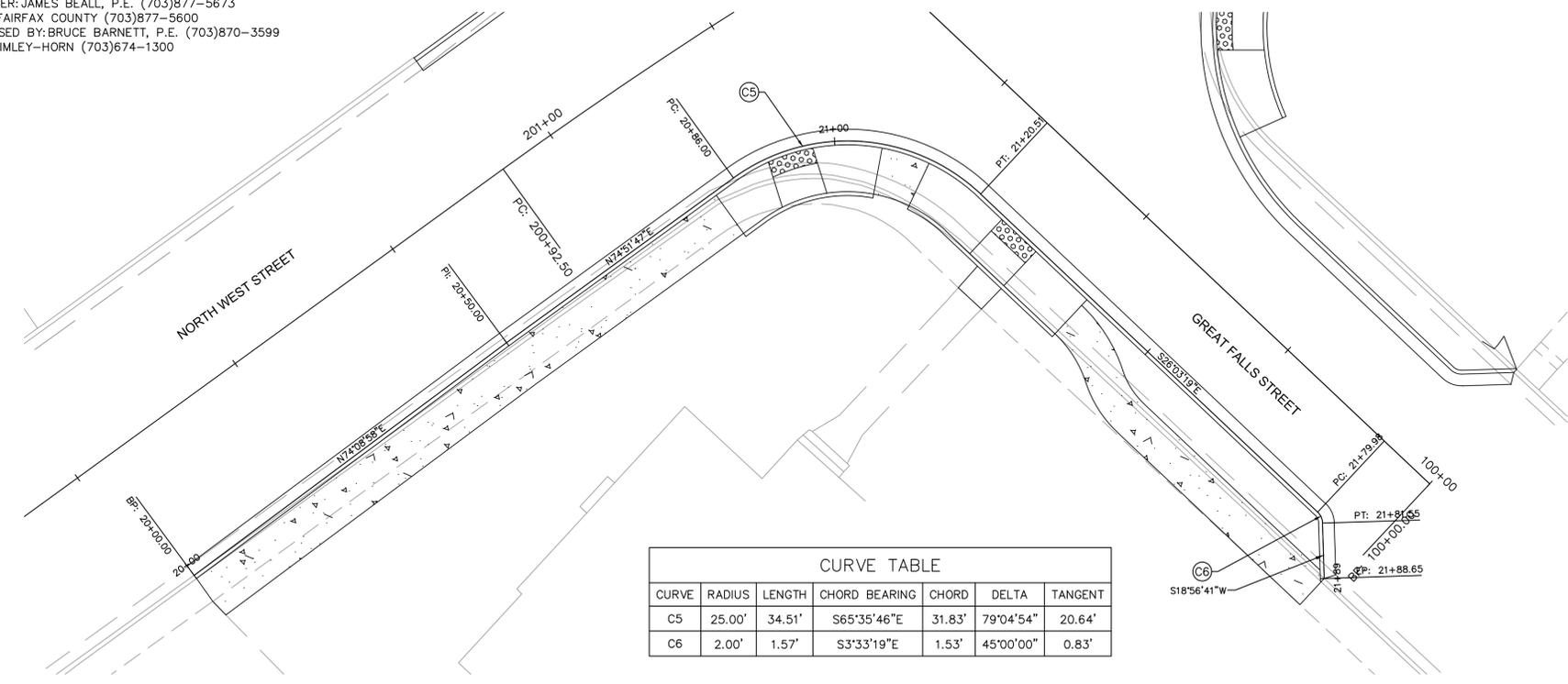
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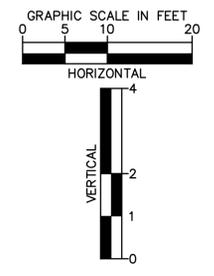
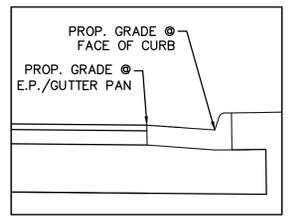
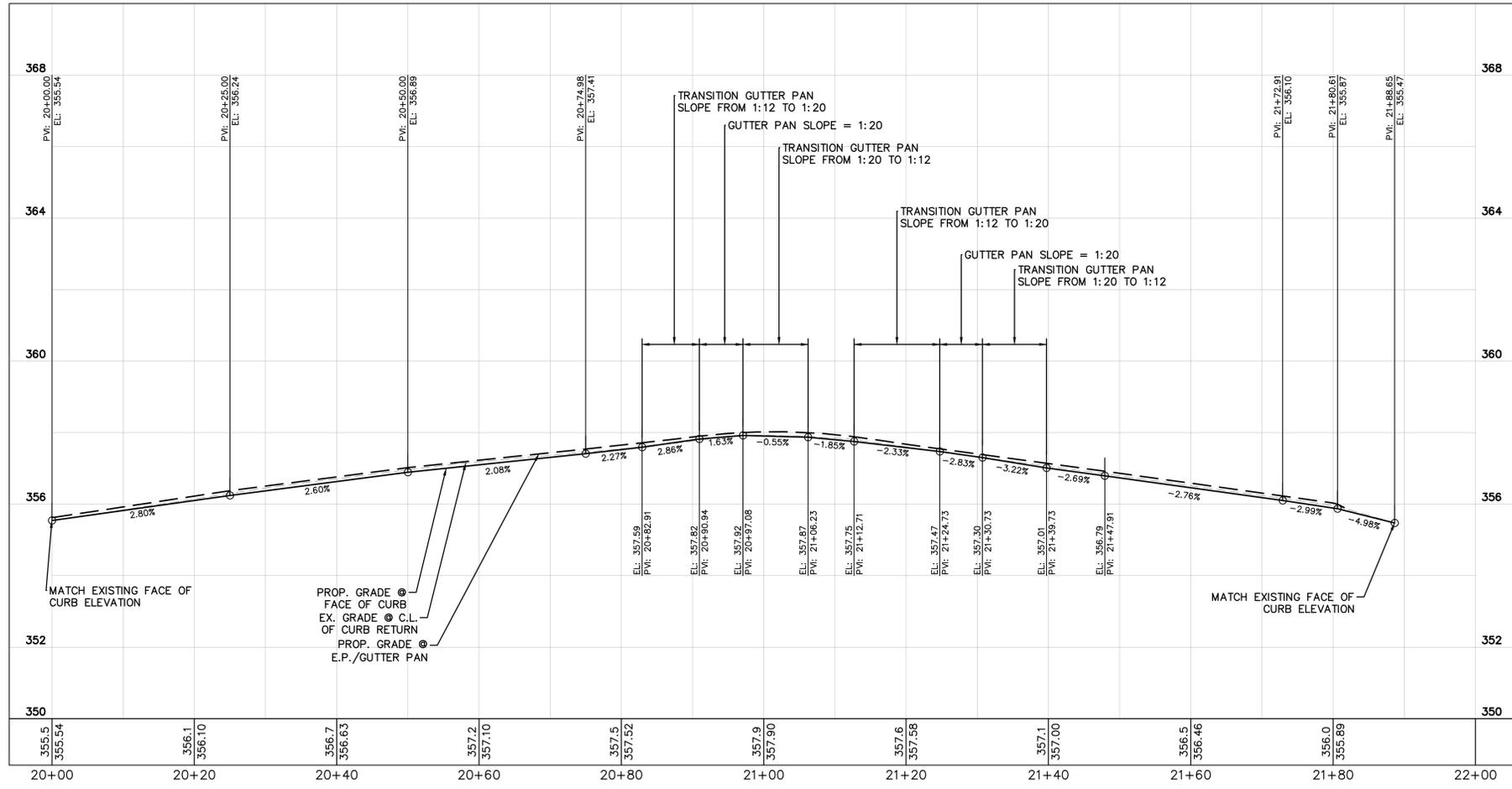
PRE-FINAL PLANS
 NOT FOR
 CONSTRUCTION

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
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CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C5	25.00'	34.51'	S65°35'46"E	31.83'	79°04'54"	20.64'
C6	2.00'	1.57'	S3°33'19"E	1.53'	45°00'00"	0.83'



TAX MAP 40-4

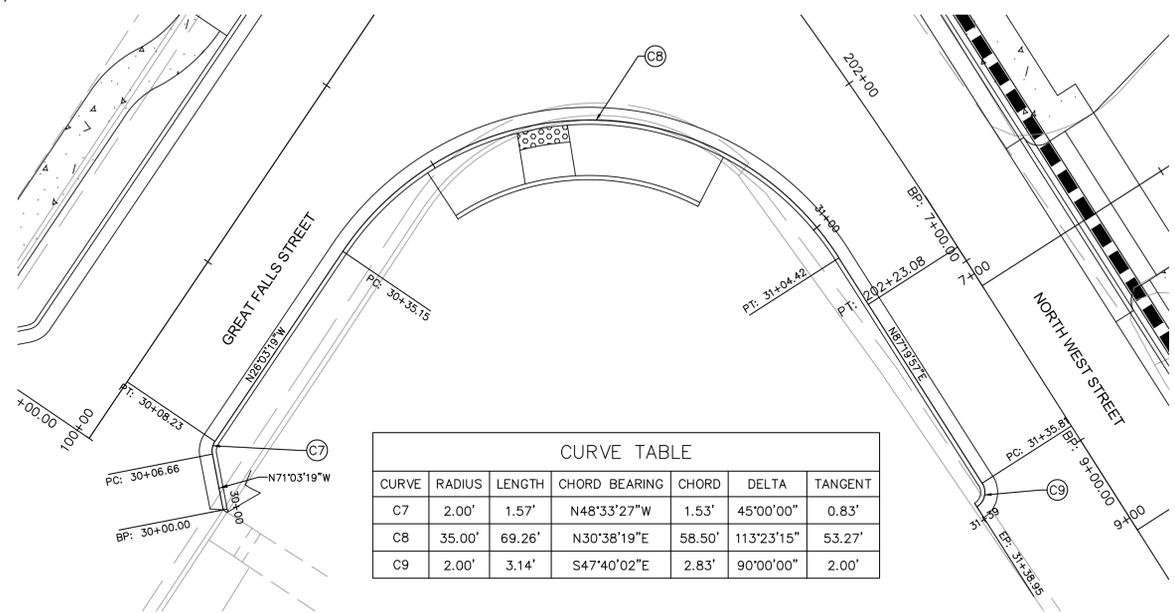
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CURB RETURN PROFILES	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=2'		DESIGNED BY: DD	SHEET
		DRAFTED BY: TC	3B(1)
		CHECKED BY: BB	
DESCRIPTION	BY	APPROVED	DATE

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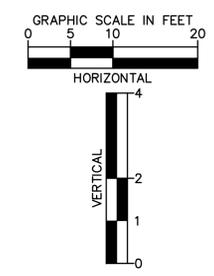
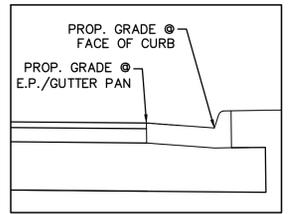
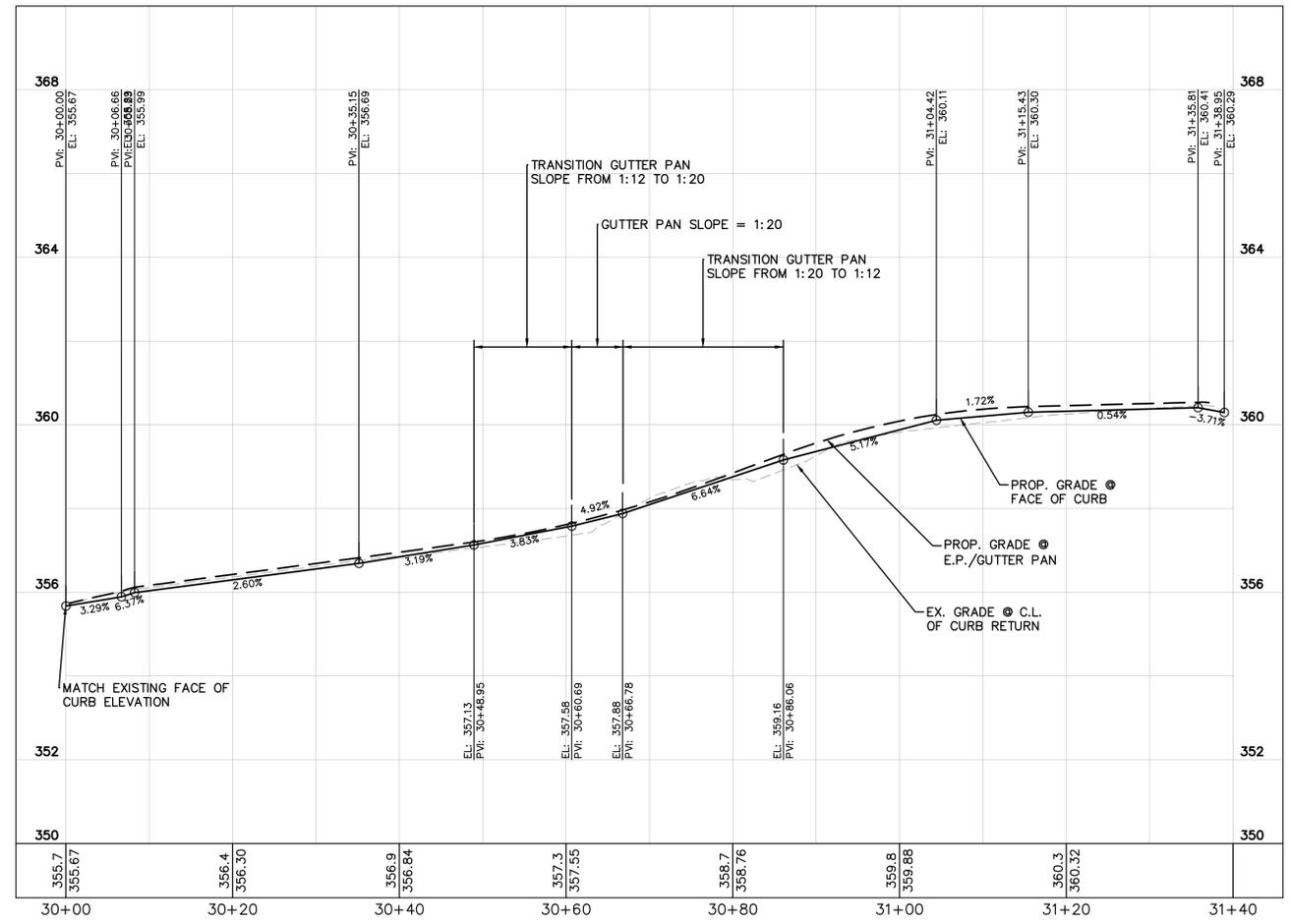
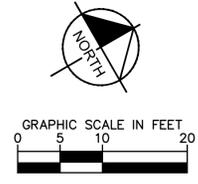
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CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C7	2.00'	1.57'	N48°33'27"W	1.53'	45°00'00"	0.83'
C8	35.00'	69.26'	N30°38'19"E	58.50'	113°23'15"	53.27'
C9	2.00'	3.14'	S47°40'02"E	2.83'	90°00'00"	2.00'



TAX MAP 40-4

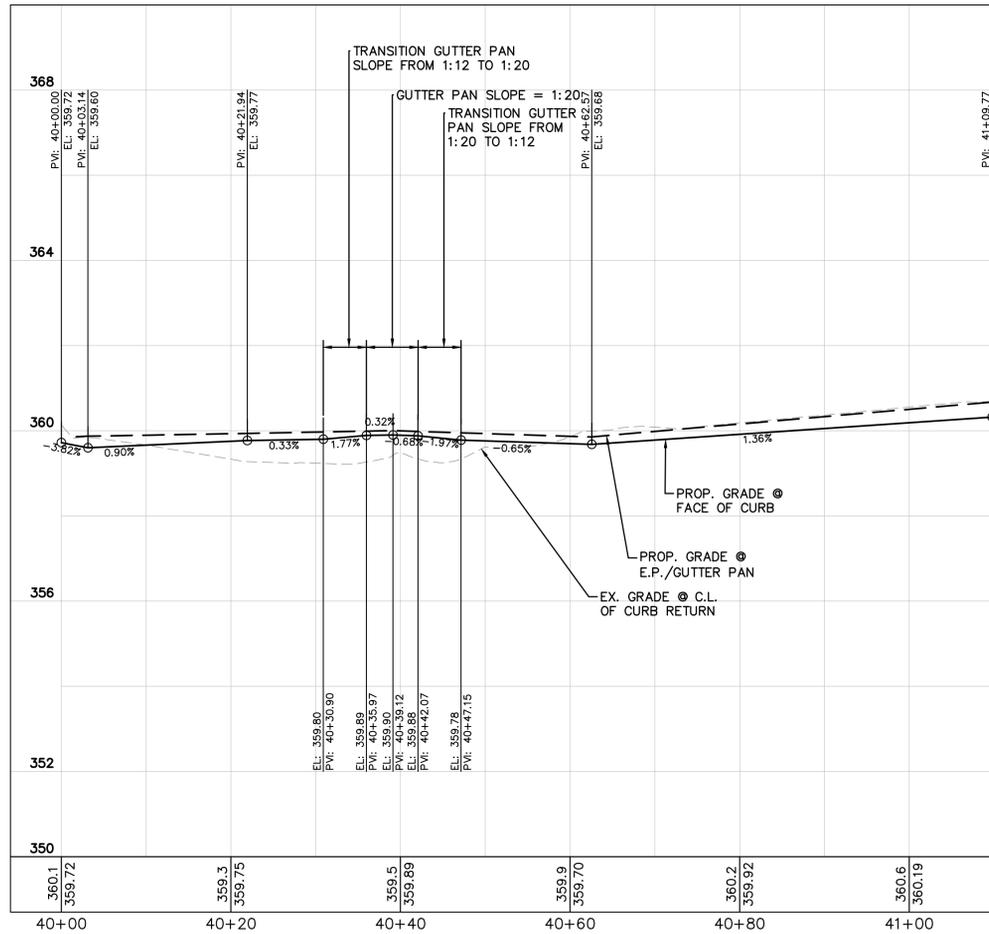
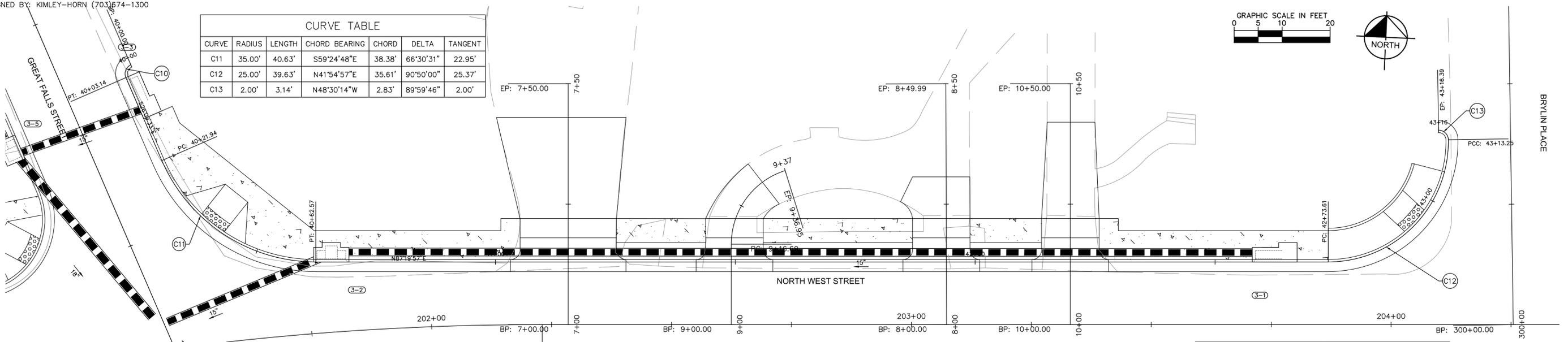
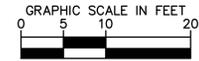
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CURB RETURN PROFILES	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=2'		DESIGNED BY: DD	SHEET
DRAFTED BY: TC		CHECKED BY: BB	3B(2)
DESCRIPTION	BY	APPROVED	DATE

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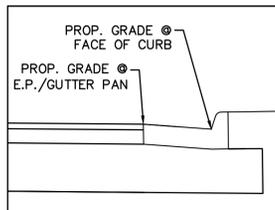
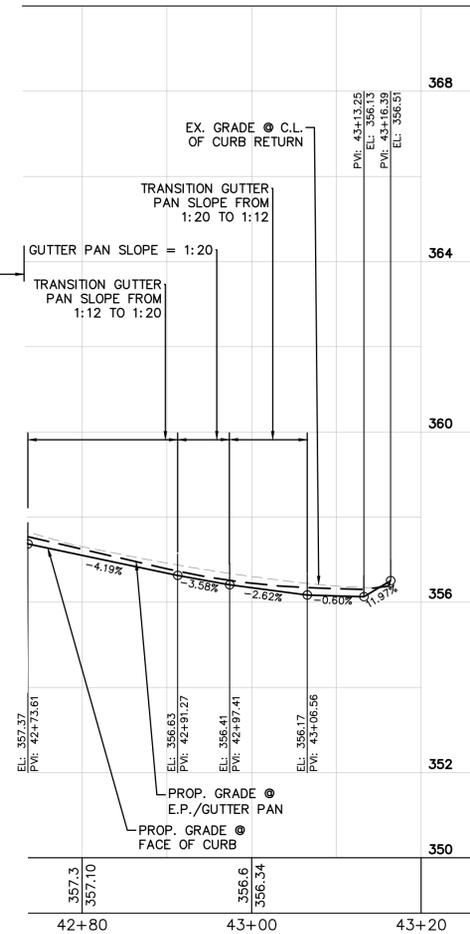
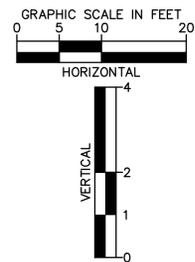
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PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C11	35.00'	40.63'	S59°24'48"E	38.38'	66°30'31"	22.95'
C12	25.00'	39.63'	N41°54'57"E	35.61'	90°50'00"	25.37'
C13	2.00'	3.14'	N48°30'14"W	2.83'	89°59'46"	2.00'



SEE CROSS SECTIONS FOR EDGE OF PAVEMENT ELEVATIONS



TAX MAP 40-4

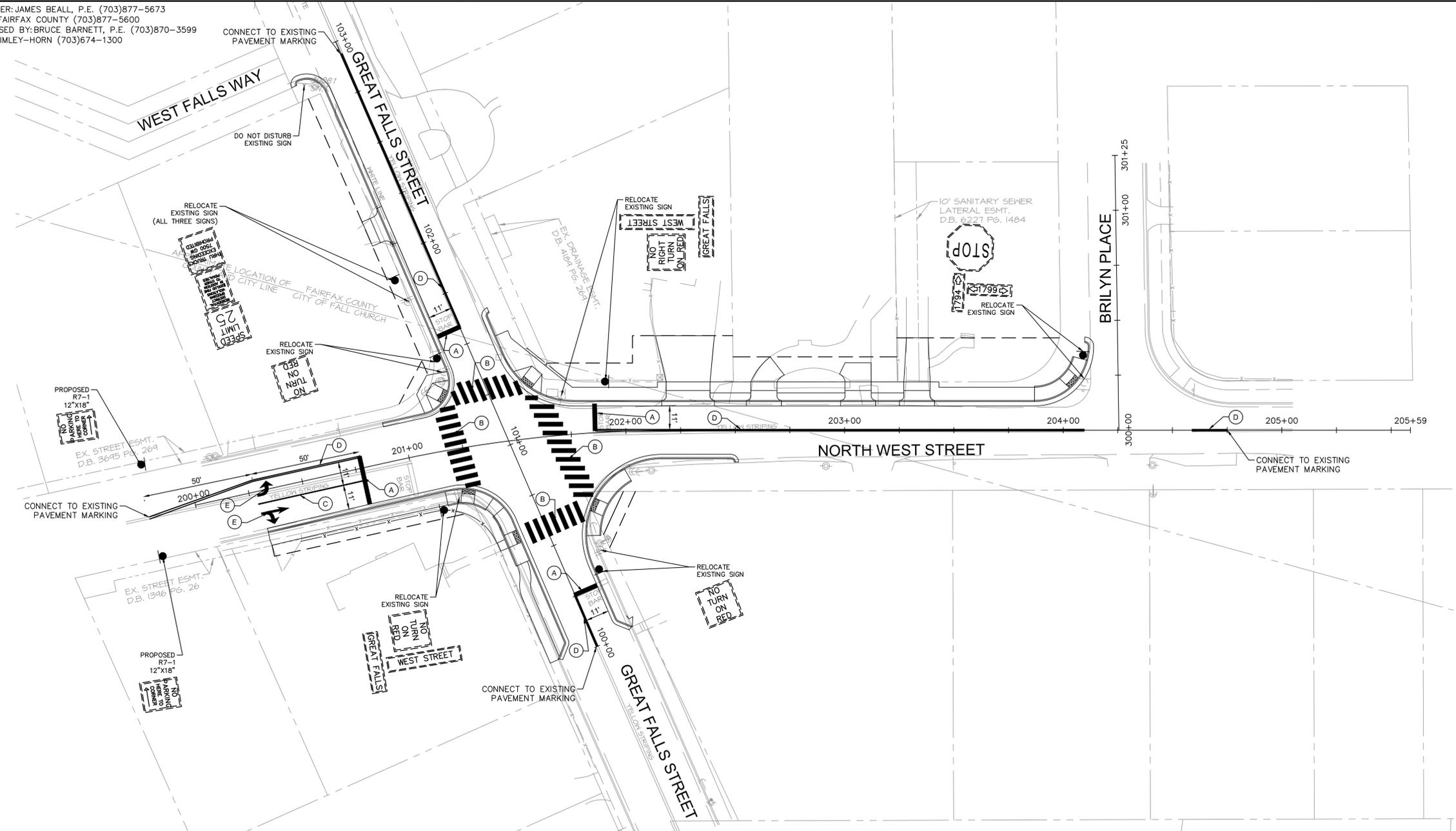
EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CURB RETURN PROFILES	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=2'		DESIGNED BY: DD	SHEET
DRAFTED BY: TC		CHECKED BY: BB	3B(3)
DESCRIPTION	BY	APPROVED	DATE

Kimley»Horn

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 11400 Commerce Park Drive, Suite 400, Reston, VA 20191
 Phone: 703-674-1300

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

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SIGNAGE GENERAL NOTES:

- All signs and pavement markings shall be in accordance with the most current edition of each of the following manuals or the most recent revision thereof:
 - A. Manual on Uniform Traffic Control Devices (MUTCD)
 - B. The Virginia Supplement to the Manual on Uniform Traffic Control Devices
 - C. The Virginia Department of Transportation Road and Bridge Specifications
 - D. The Virginia Department of Transportation Road and Bridge Standards
- All signs as necessary or directed by Fairfax County shall be installed in accordance with S't'd STP-1 with breakaway metal post. All signs, as necessary or directed by Fairfax County, designated to be relocated, shall be reinstalled in such a manner that the relocated sign complies with S't'd STP-1
- The Contractor shall stake all the proposed sign locations and relocations for review and approval by Fairfax County prior to any installation or relocation.
- Proposed sign locations are approximate and shall be modified in the field to avoid conflicts with underground utilities or other obstructions and to comply with standards referenced in Signage General Note 1. Contractor is responsible for any disruptions in utility service due to digging for signage structure. If proposed signage will impact utility service, it shall be relocated with the approval of Fairfax County at no additional cost.
- Contractor must provide shop drawings for all nonstandard signs to be approved by Fairfax County. Contractor shall design signs in accordance with the current VDOT Road and Bridge Standards and any subsequent revisions.
- Unless otherwise indicated on plans, all breakaway sign structures shall be located within 25 feet of the sign's current field location or as directed by Fairfax County.
- The Contractor is to coordinate with Fairfax County for the handling of all salvaged materials (sign panels, framing members and miscellaneous hardware).

PAVEMENT GENERAL NOTES:

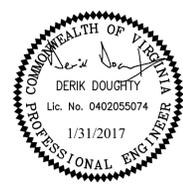
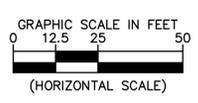
- All signs and pavement markings shall be in accordance with the most current edition of each of the following manuals or the most recent revision thereof:
 - A. Manual on Uniform Traffic Control Devices (MUTCD)
 - B. The Virginia Supplement to the Manual on Uniform Traffic Control Devices
 - C. The Virginia Department of Transportation Road and Bridge Specifications
 - D. The Virginia Department of Transportation Road and Bridge Standards
- All pavement markings shall be Type B, Class I, unless otherwise noted in the Pavement Marking Legend and in accordance with VDOT Road and Bridge Standards and VDOT Road and Bridge Specifications.
- Any existing pavement markings that conflict with the proposed pavement markings shall be completely eradicated.
- Limits of proposed pavement markings and raised markers are approximate and shall be modified in the field to ensure that proposed pavement markings and raised markers continue until existing pavement markings can be matched.
- Elongated arrows shall be in accordance with MUTCD and VDOT Road and Bridge Specifications.
- Any changes to the pavement marking plan as shown shall be approved by Fairfax County.

SIGN LEGEND

- GROUND MOUNTED SIGN SINGLE METAL POST (PROPOSED)
- EXISTING SIGN
- SIGN PANEL
- EXISTING SIGN PANEL

PAVEMENT MARKING LEGEND

- (A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH
- (B) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH, 24" SPACING
- (C) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH
- (D) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (E) PAVEMENT MESSAGE MARKING ELONGATED ARROW

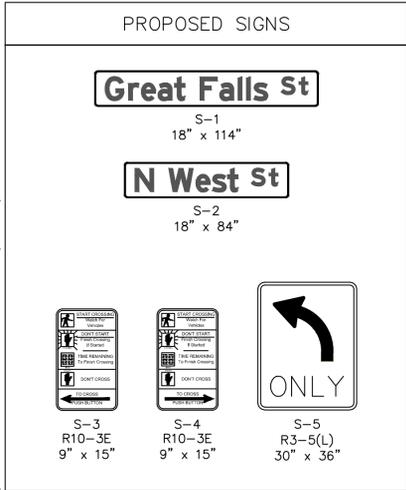


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FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		TAX MAP 40-4	
North West Street Sidewalk Improvements SIGNING AND STRIPING PLAN			
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=25' VERT. = N/A		DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB	SHEET 4
R	E	V	I
S	I	O	N
S	#	DESCRIPTION	BY
S	#	APPROVED	DATE

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300



- ### INSTALLATION NOTES
- INSTALL SIGNAL CONTROLLER CABINET WITH VDOT STANDARD CF-1 CONTROLLER FOUNDATION.
 - INSTALL UNDERGROUND ELECTRIC SERVICE WITH PEDESTAL METER (VDOT ST'D SE-5).
 - INSTALL VDOT ST'D PF-2 WITH STREET LIGHT, PUSH BUTTON, PUSH BUTTON SIGN, AND PEDESTRIAN SIGNAL HEAD.
 - INSTALL VDOT ST'D MP-3 WITH MAST ARM, LUMINAIRE, TRAFFIC SIGNALS, VIDEO DETECTION, PUSH BUTTON, PUSH BUTTON SIGN, AND PEDESTRIAN SIGNAL HEAD(S).
 - POLE FOUNDATION SHALL BE FLUSH WITH SIDEWALK GRADE.
 - RELOCATE EXISTING RADIO COMMUNICATIONS ANTENNA FROM EXISTING STREETLIGHT TO PROPOSED TRAFFIC SIGNAL POLE. COORDINATE WITH CITY OF FALLS CHURCH PROJECT ENGINEER TO IDENTIFY FINAL MOUNTING POSITION AND TO ESTABLISH A TESTING PLAN.

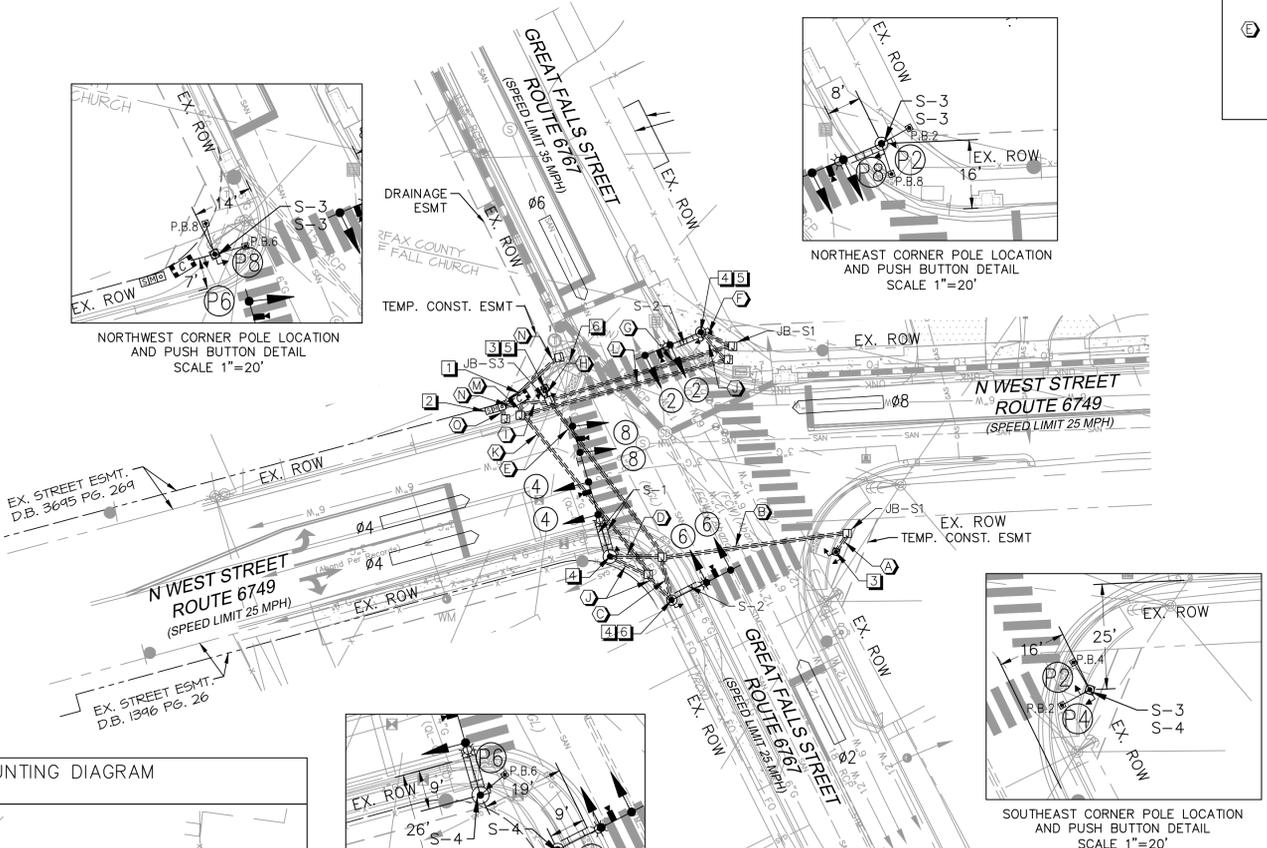
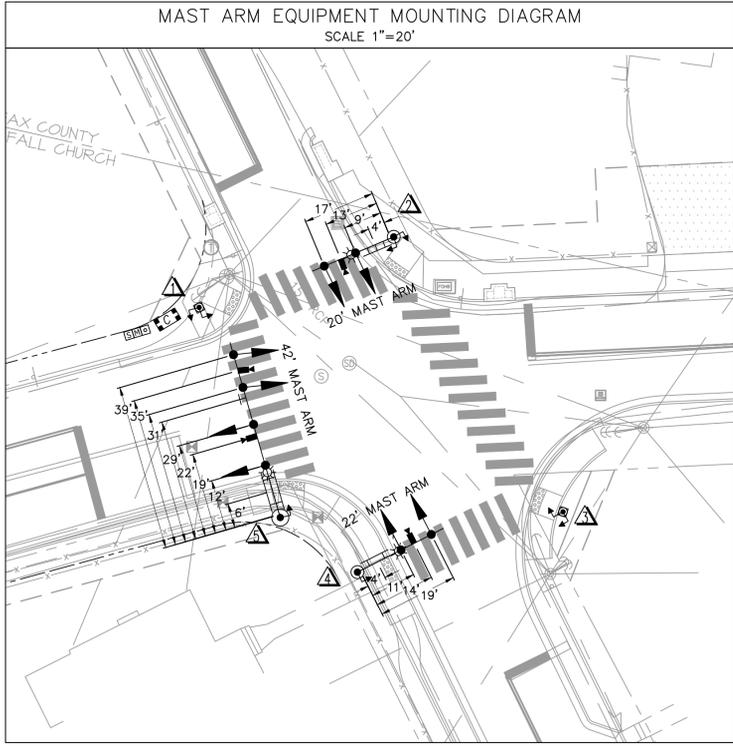
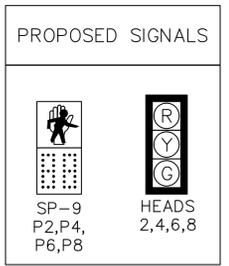
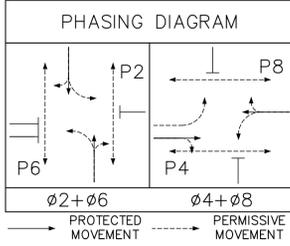
COLOR SEQUENCE CHART

PHASE	2	4	6	8	2+6	4+8	FLASH
SIGNAL	R/W	R/W	R/W	R/W	R/W	R/W	Y
2	G				G		Y
4		G				G	R
6			G		G		Y
8				G		G	R
P2	W	DW	DW	DW	W	DW	BLANK
P4	DW	W	DW	DW	DW	W	BLANK
P6	DW	DW	W	DW	W	DW	BLANK
P8	DW	DW	DW	W	DW	W	BLANK

NOTE: BLANK SPACES REPRESENT A RED DISPLAY. "WALK" INDICATION DISPLAYED AFTER PEDESTRIAN CALL IS SERVICED, OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED.

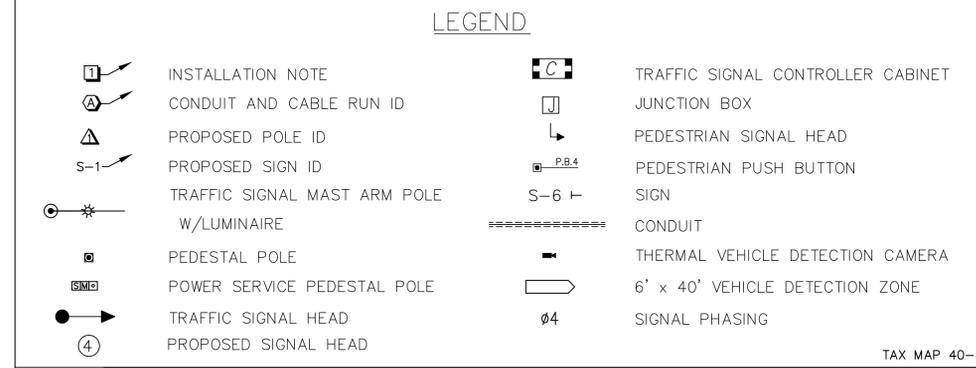
- ### CABLE AND CONDUIT RUNS
- A** 1-3" CONDUIT PVC
2-14/2c FOR PED PUSH BUTTONS P2 AND P4
2-14/7c FOR PED HEADS P2 AND P4
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - B** 1-4" CONDUIT (BORED) HDPE
2-14/2c FOR PED PUSH BUTTONS P2 AND P4
2-14/7c FOR PED HEADS P2 AND P4
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - C** 1-3" CONDUIT PVC
1-14/2c FOR PED PUSH BUTTON P4
1-14/7c FOR PED HEAD P4
1-14/7c FOR SIGNAL HEADS 6
1-LEAD IN CABLE FOR THERMAL VEHICLE DETECTION
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - D** 1-3" CONDUIT PVC
1-14/2c FOR PED PUSH BUTTON P6
1-14/7c FOR PED HEAD P6
2-14/7c FOR SIGNAL HEADS 4 AND 8
2-LEAD IN CABLES FOR THERMAL VEHICLE DETECTION
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - E** 1-4" CONDUIT (BORED) HDPE
4-14/2c FOR PED PUSH BUTTONS P2, P4, AND P6
4-14/7c FOR PED HEADS P2, P4, AND P6
3-14/7c FOR SIGNAL HEADS 4, 6, AND 8
3-LEAD IN CABLES FOR THERMAL VEHICLE DETECTION
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - F** 1-3" CONDUIT PVC
2-14/2c FOR PED PUSH BUTTONS P2 AND P8
2-14/7c FOR PED HEADS P2 AND P8
1-14/7c FOR SIGNAL HEADS 2
1-LEAD IN CABLE FOR THERMAL VEHICLE DETECTION
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - G** 1-4" CONDUIT (BORED) HDPE
2-14/2c FOR PED PUSH BUTTONS P2 AND P8
2-14/7c FOR PED HEADS P2 AND P8
1-14/7c FOR SIGNAL HEADS 2
1-LEAD IN CABLE FOR THERMAL VEHICLE DETECTION
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - H** 1-3" CONDUIT PVC
1-14/2c FOR PED PUSH BUTTONS P6 AND P8
2-14/7c FOR PED HEADS P6 AND P8
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - I** 2-3" CONDUIT PVC
8-14/2c FOR PED PUSH BUTTONS P2, P4, P6, AND P8
8-14/7c FOR PED HEADS P2, P4, P6, AND P8
4-14/7c FOR SIGNAL HEADS 2, 4, 6, AND 8
4-LEAD IN CABLES FOR THERMAL VEHICLE DETECTION
2-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - J** 1-3" CONDUIT PVC
3-6/1c FOR STREET LUMINAIRE
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - K** 1-4" CONDUIT (BORED) HDPE
6-6/1c FOR STREET LUMINAIRE
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - L** 1-4" CONDUIT (BORED) HDPE
3-6/1c FOR STREET LUMINAIRE
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - M** 1-3" CONDUIT PVC
9-6/1c FOR STREET LUMINAIRE
1-#6 AWG (EGC) FOR SYSTEM GROUNDING
 - N** 1-2" CONDUIT METAL
3-#6 AWG FOR ELECTRICAL SERVICE
 - O** 1-2" CONDUIT METAL
1-#6 AWG (EGC) FOR SYSTEM GROUNDING

- ### SIGNAL NOTES
- EXISTING CONTROLLER AND CABINET TO BE REPLACED WITH NEW CONTROLLER AND CABINET ON A NEW FOUNDATION. ALL OTHER EXISTING EQUIPMENT TO BE REMOVED INCLUDING UNUSED WIRING UNLESS OTHERWISE SPECIFIED. EXISTING CONTROLLER AND CABINET SHALL BE RETURNED TO THE CITY OF FALLS CHURCH.
- POLES AND FOUNDATIONS**
 - PEDESTAL POLES (PF-2) SHALL BE 12 FT. IN HEIGHT WITH POST TOP MOUNTED STREET LIGHTS.
 - ALL BREAKAWAY POLES SHALL HAVE BREAKAWAY FUSES.
 - CONTROLLERS AND FOUNDATION**
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING COMMUNICATION TO THE CONTROLLER AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH PROVIDING COMMUNICATION TO THE TRAFFIC SIGNAL.
 - A 72 HOUR NOTICE IS REQUIRED PRIOR TO DISCONNECTING THE CONTROLLER COMMUNICATION FOR ANY REASON.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING RADIO COMMUNICATIONS FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
 - TRAFFIC SIGNAL HEADS**
 - PEDESTRIAN SIGNAL HEADS SHALL BE IN ACCORDANCE WITH ST'D. SP-9.
 - PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED IN ACCORDANCE WITH ST'D SMB-3 (ONE-WAY).
 - ALL SIGNAL HEAD SECTIONS SHALL BE LED PER VDOT'S SPECIFICATIONS.
 - ALL SIGNAL HEADS SHALL HAVE HIGH VISIBILITY SIGNAL BACKPLATES.
 - DETECTORS**
 - FLIR TRAFISENSE THERMAL DETECTION EQUIPMENT SHALL BE INSTALLED FOR VEHICLE DETECTION. DETECTION ZONES SHALL BE A MINIMUM 6' X 40' AND EXTEND 5' BEYOND THE STOP BAR. EQUIPMENT SHALL BE CAPABLE OF DETECTING BICYCLES.
 - ALL PEDESTRIAN PUSH BUTTONS AND PUSH BUTTON SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH ST'D PA-2.
 - CONDUIT, CONDUCTORS & ELECTRICAL**
 - FOR INSTALLATION OF CONDUIT, NO OPEN CUT WILL BE ALLOWED IN ROADWAY SURFACE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ELECTRICAL SERVICE TO THE CONTROLLER AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PROVIDING ELECTRICAL SERVICE TO THE TRAFFIC SIGNAL.
 - JUNCTION BOX COVERS SHALL HAVE THE LETTERS "TRAF" CAST IN THE TOP SURFACE DEPRESSION FOR ALL TRAFFIC SIGNAL RELATED JUNCTION BOXES CONTAINING CABLE WITH LESS THAN 50 VOLTS. ALL OTHER JUNCTION BOX COVERS SHALL HAVE THE LETTERS "ELEC" CAST IN THE TOP DEPRESSION.
 - ALL JUNCTION BOXES SHALL BE INSTALLED IN ACCORDANCE WITH ST'D JB-S2, UNLESS OTHERWISE INDICATED ON THE SIGNAL PLANS.
 - (S) DENOTES CABLE TO BE SHIELDED, (M) DENOTES METAL CONDUIT, (EGC) DENOTES EQUIPMENT GROUNDING CONDUCTOR.
 - SIGNS**
 - PEDESTRIAN SIGNS SHALL BE MUTCD R10-3E.
 - STREET NAME SIGNS SHALL HAVE A GREEN RETROREFLECTIVE BACKGROUND WITH A WHITE RETROREFLECTIVE LEGEND AND BORDER.
 - SURVEY INFORMATION**
 - SURVEY INFORMATION WAS PROVIDED BY OTHERS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF DESIGN PRIOR TO CONSTRUCTION. IF A DISCREPANCY ARISES BETWEEN FIELD DATA AND ANY INFORMATION ON THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE COUNTY AND/OR CITY ENGINEER IMMEDIATELY.
 - THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE PROVIDED BY OTHERS AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR THE UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN. THE CONTRACTOR SHALL DETERMINE THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING AND SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL FRANCHISE AND COUNTY UTILITIES PRIOR TO CONSTRUCTION.



INITIAL TIMING CHART

PHASE	1	2	3	4	5	6	7	8
MOVEMENT		NB GREAT FALLS ST		EB N WEST ST		SB GREAT FALLS ST		WB N WEST ST
PHASE ON		X		X		X		X
PHASE OFF	X		X		X		X	
INTERVAL	PHASE TIMINGS							
MIN GR		7.0		7.0		7.0		7.0
PASSAGE		3.0		3.0		3.0		3.0
YELLOW		TBD		TBD		TBD		TBD
RED		TBD		TBD		TBD		TBD
MAX 1		40.0		40.0		20.0		40.0
MAX 2		45.0		45.0		50.0		50.0
MIN GAP		0.0		0.0		0.0		0.0
TIME BEFORE REDUCTION		0.0		0.0		0.0		0.0
TIME TO REDUCE		0.0		0.0		0.0		0.0
PED WALK		TBD		TBD		TBD		TBD
PED FLASH		TBD		TBD		TBD		TBD
DON'T WALK		TBD		TBD		TBD		TBD
MODE		MIN RECALL		NON-LOCK		MIN RECALL		NON-LOCK



GRAPHIC SCALE IN FEET
 0 12.5 25 50

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 Phone: 703-674-1300

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FAIRFAX COUNTY, VIRGINIA
 DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

CAPITAL FACILITIES
 703-324-5800

PRE-FINAL PLANS
 NOT FOR
 CONSTRUCTION

PROJECT NO. ST-00036-003 FUND NO. 300-C30050

SCALE	DESIGNED BY: DD	SHEET
	DRAFTED BY: TC	5
	CHECKED BY: BB	

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PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

TRAFFIC SIGNAL GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE CURRENT EDITION OF THE VDOT ROAD AND BRIDGE STANDARDS, THE CURRENT EDITION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS AND ALL SPECIAL PROVISIONS IN EFFECT AT THE TIME THE SIGNAL PLAN IS APPROVED.
2. FIVE (5) WORKING DAYS PRIOR TO COMMENCING TRAFFIC SIGNAL WORK AT ANY LOCATION IN NORTHERN VIRGINIA, THE CONTRACTOR MUST NOTIFY THE VDOT NOVA DISTRICT PERMITS SECTION IN WRITING, WITH THE NAME, DAYTIME PHONE NUMBERS AND EMERGENCY PHONE NUMBERS FOR THE CONTRACTOR GIVING THE LOCATION OF THE WORKSITE INCLUDING STREET NAMES, ROUTE NUMBERS, PERMIT NUMBER, TYPE AND DETAILS OF CONSTRUCTION AND WORK SCHEDULE.
3. THE VDOT ENGINEER, PRIOR TO CONSTRUCTION, SHALL VERIFY THE LOCATIONS OF THE POLE(S) AND CONTROLLER CABINET. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THIS VERIFICATION WITH NROIC @ 703-334-0205.
4. THE TRAFFIC SIGNAL WILL NOT BE PLACED INTO FLASHING OR FULL COLOR OPERATION WITHOUT THE PRIOR NOTIFICATION AND APPROVAL FROM A VDOT NROIC ENGINEER. ARRANGEMENTS SHALL BE MADE BY THE PERMIT MANAGER TO SCHEDULE THE NROIC FIELD PERSONNEL PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE.
5. NO TRAFFIC SIGNAL SHALL BE PLACED INTO OPERATION UNTIL THE LOCATION IS 100% COMPLETE. THIS INCLUDES ANY NECESSARY PAVEMENT MARKING AND SIGNAGE ADJUSTMENT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE PERMIT INSPECTOR, WHO SHALL NOTIFY THE VDOT NROIC ENGINEER A MINIMUM OF 48 HOURS PRIOR TO PLACING THE SIGNAL INTO OPERATION.
6. THE SIGNAL MODIFICATION SHALL NOT BE PLACED INTO FULL COLOR OPERATION ON MONDAYS, FRIDAYS, HOLIDAYS OR DAYS PRECEDING OR FOLLOWING HOLIDAYS, UNLESS DIRECTED BY THE VDOT DISTRICT ENGINEER.
7. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND ADJUST CONTROLLER TIMINGS TO PROVIDE ORDERLY FLOW OF TRAFFIC, OR AS DIRECTED BY THE VDOT NROIC ENGINEER. THE CONTRACTOR SHALL HAVE HIS QUALIFIED REPRESENTATIVE PRESENT TO MONITOR A MINIMUM OF TWO CONSECUTIVE MORNINGS AND EVENING RUSH HOUR PERIODS, OR AS DIRECTED BY THE VDOT NROIC ENGINEER.
8. THE CONTRACTOR SHALL PERFORM TEST PITS AND EXERCISE CARE IN PLACEMENT IF ADJUSTMENTS IN POLE LOCATIONS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE VDOT ENGINEER PRIOR TO COMMENCING WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ELECTRICAL SERVICE TO THE CONTROLLER AT ALL TIMES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING COMMUNICATION TO THE CONTROLLER AT ALL TIMES. THE CONTRACTOR SHALL CONTACT VDOT'S NORTHERN REGION OPERATIONS INSTALLATION & CONSTRUCTION COMMUNICATIONS GROUP (TIM TERRY 703-334-0362) SIXTY (60) DAYS PRIOR TO THE START TRAFFIC SIGNAL CONSTRUCTION TO COORDINATE ALL COMMUNICATION ACTIVITIES.
11. UTILITIES SHOWN ON THE PLANS ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL UTILITIES WITHIN THE PROJECT LIMITS ARE IDENTIFIED AND LOCATED BEFORE BEGINNING WORK. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF VIRGINIA AT 1-800-522-7001 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AS TO THE LOCATION OF EXISTING AND APPROVED PLANS OF FUTURE UTILITY LINES. ANY DISRUPTION OF ANY UTILITY SERVICE IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. DURING CONSTRUCTION AND WHEN NOT IN USE, NEW LED PEDESTRIAN SIGNAL HEADS SHALL BE COVERED WITH A DURABLE NON-TRANSPARENT COVER UPON INSTALLATION. THE CONTRACTOR SHALL MAINTAIN COVERS UNTIL THE NEW TRAFFIC SIGNAL SYSTEM IS OPERATIONAL.
13. MAINTENANCE AND REPAIR OF THE TRAFFIC SIGNAL AND ANY NECESSARY FUTURE MODIFICATIONS DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
14. THE CONTRACTOR SHALL LABEL ALL SPARE WIRES IN THE CONTROLLER CABINET, IN ACCORDANCE WITH SECTION 700.04(G) OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.
15. THE PROJECT IS RESPONSIBLE FOR SUBMITTING TRAFFIC SIGNAL TIMING DATA A MINIMUM OF 60 DAYS PRIOR TO ACTIVATION OF THE TRAFFIC SIGNAL MODIFICATION; THIS INCLUDES EIGHT (8) TIME-OF-DAY TIMING PLANS TO REFLECT CYCLE LENGTHS NECESSARY TO ACCOMMODATE CHANGES IN TRAFFIC PATTERNS FOR WEEKDAYS AND WEEKENDS. THE 8 TIMING PLANS CONSIST OF 4 TIMING PLANS FOR WEEKDAYS (AM, MID, PM, OFF-PEAK) AND 4 TIMING PLANS FOR WEEKENDS (SATURDAY PEAK, SUNDAY PEAK, WEEKEND BEFORE PEAK, AND WEEKEND AFTER PEAK). THESE TIMING PLANS ARE TO BE SUBMITTED TO THE VDOT PERMITS SECTION FOR REVIEW AND APPROVAL BY THE NRO TRAFFIC SIGNAL OPERATIONS SECTION. THIS INFORMATION IS TO BE PROVIDED IN AN ELECTRONIC FILE FORMAT COMPATIBLE WITH THE SYNCHRO PROGRAM USED BY VDOT.
16. PLAN APPROVAL IS VALID FOR ONE YEAR FROM THE DATE OF ACCEPTANCE FOR INSTALLATION STAMP. ALL PLANS WITH EXPIRED ACCEPTANCE DATES SHALL BE RESUBMITTED FOR ACCEPTANCE.

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VIRGINIA DEPARTMENT OF TRANSPORTATION
 REVIEW OF WORKING DRAWINGS

WORKING DRAWINGS HAVE BEEN REVIEWED IN ACCORDANCE WITH SECTION 105.2 OF THE VDOT ROAD & BRIDGE SPECIFICATIONS WITH THE FOLLOWING COMMENT:

REJECTED, CORRECT AND RESUBMIT

ACCEPTED FOR INSTALLATION Subject To:

1. Obtaining VDOT Land Use Permit Prior To Installation.
2. Review and Approval of All Catalog Cuts, Shop Drawings, Pole Calculations, Soil Tests and Foundation Designs Prior To Construction.

REVIEWED BY: _____ DATE: _____
 Plan acceptance is valid for one year from date above to obtain VDOT Permit.

TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA			
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
			CAPITAL FACILITIES 703-324-5800
			North West Street Sidewalk Improvements TRAFFIC SIGNAL GENERAL NOTES AND DETAILS
		PROJECT NO. ST-00036-003	FUND NO. 300-C30050
		SCALE	DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB
			SHEET 5A

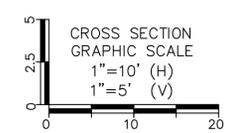
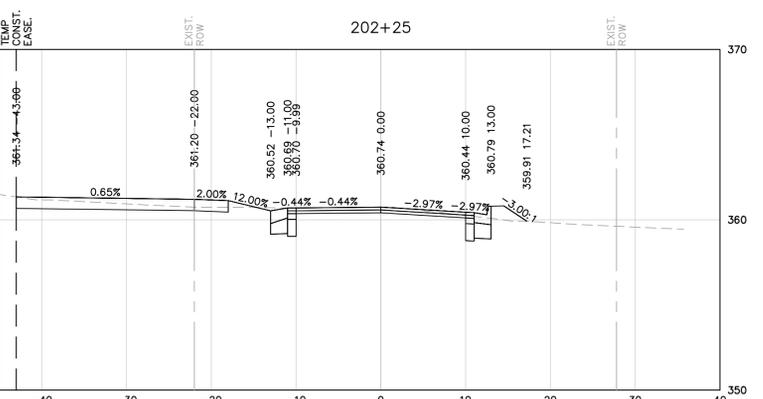
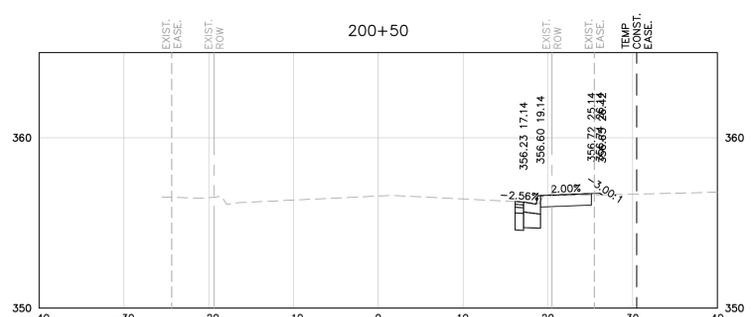
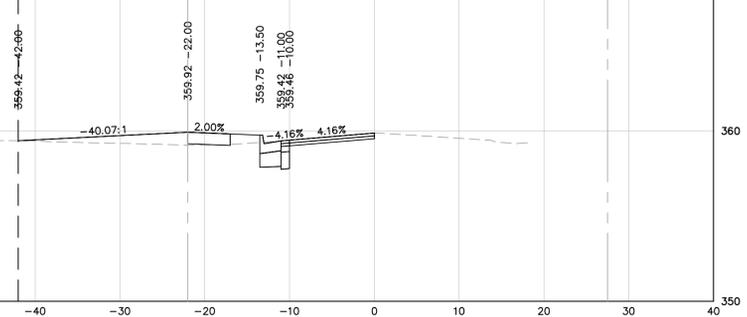
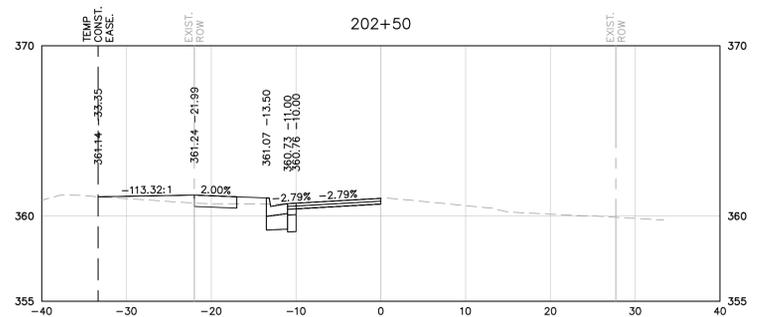
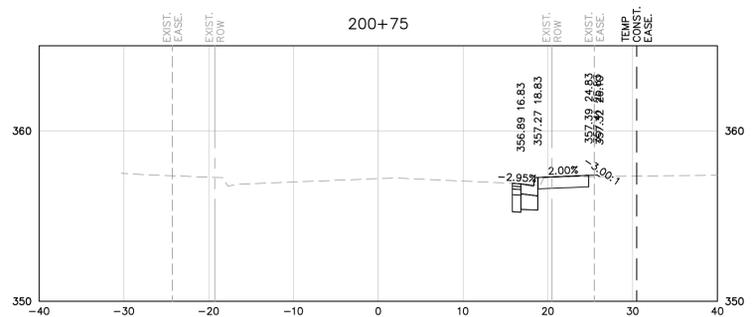
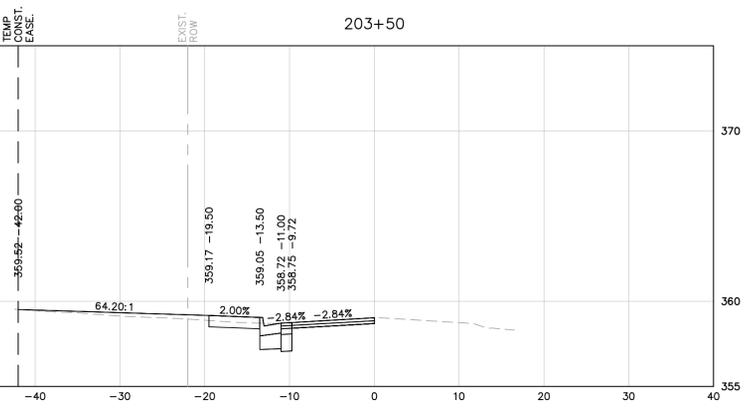
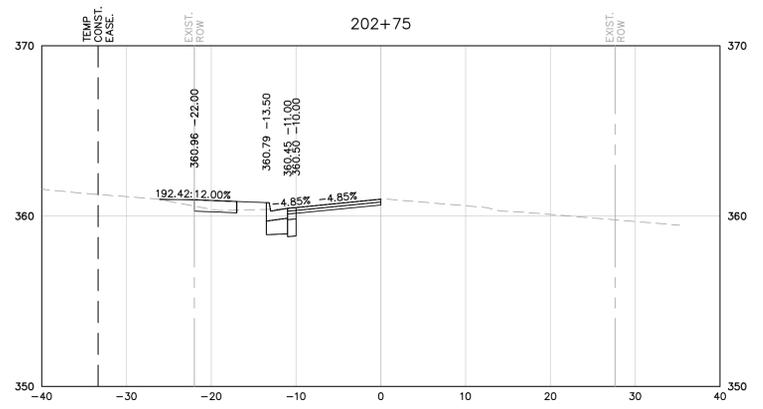
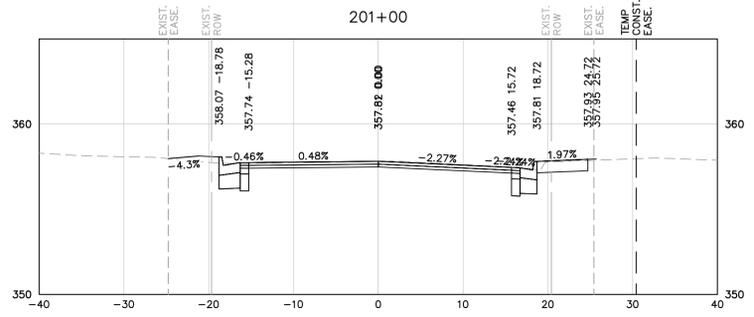
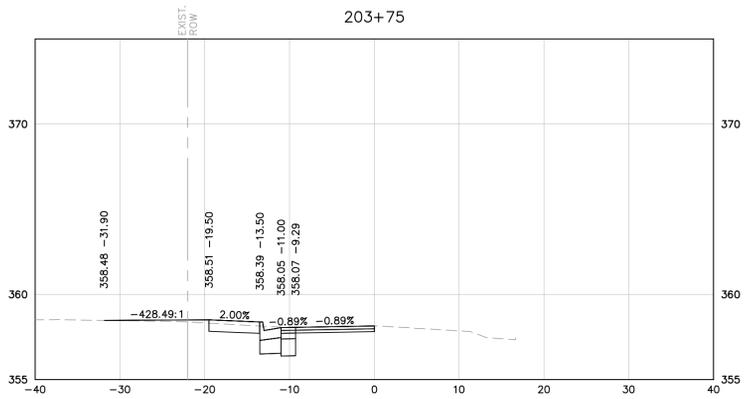
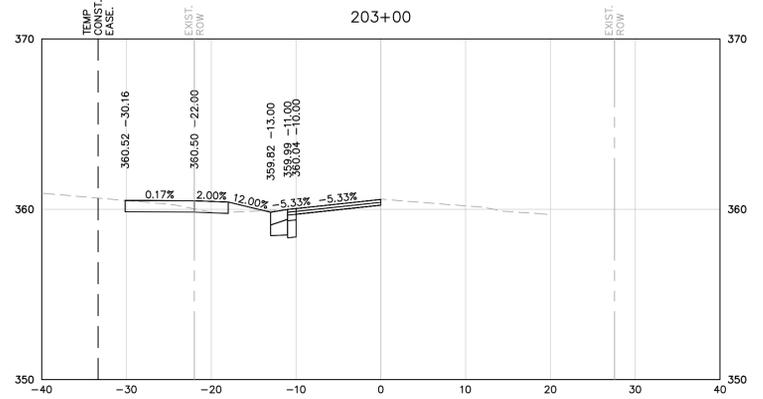
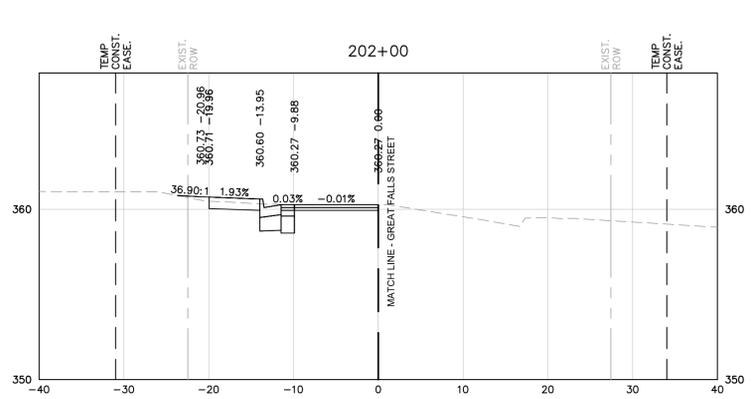
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 11400 Commerce Park Drive, Suite 400, Reston, VA 20191
 Phone: 703-674-1300

PRE-FINAL PLANS					
NOT FOR					
CONSTRUCTION					
#	DESCRIPTION	BY	APPROVED	DATE	

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

PlotLead By: Doughty, Derek
 Sheet Set: Fairfax North West Street Layout: X1 ROADWAY CROSS SECTIONS
 January 31, 2017 05:57:42pm
 K:\NVA_RDWY\10213032-fairfax_north_west_street\ROADWAY CROSS SECTIONS.dwg
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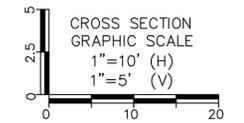
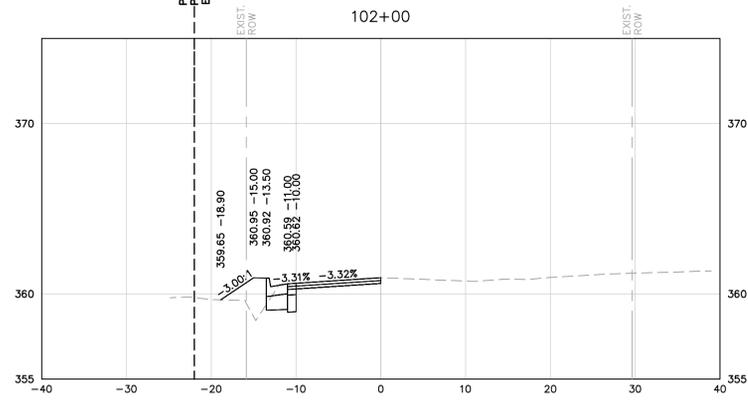
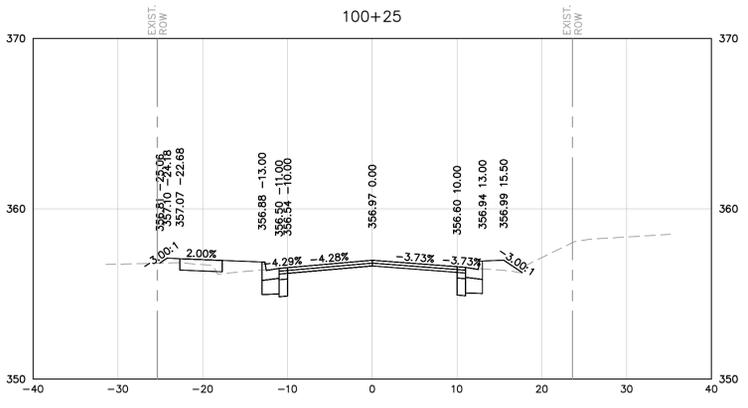
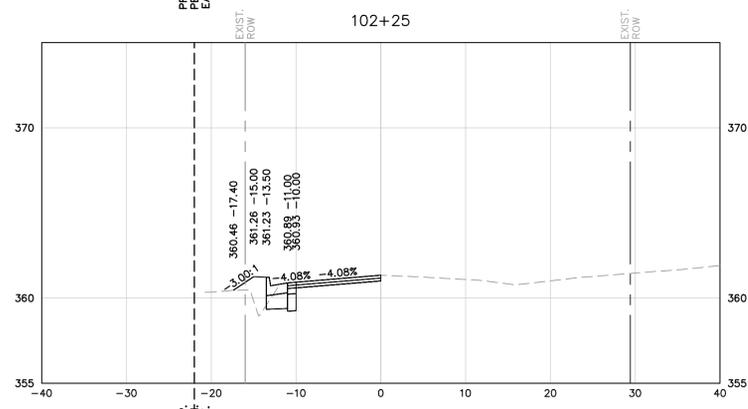
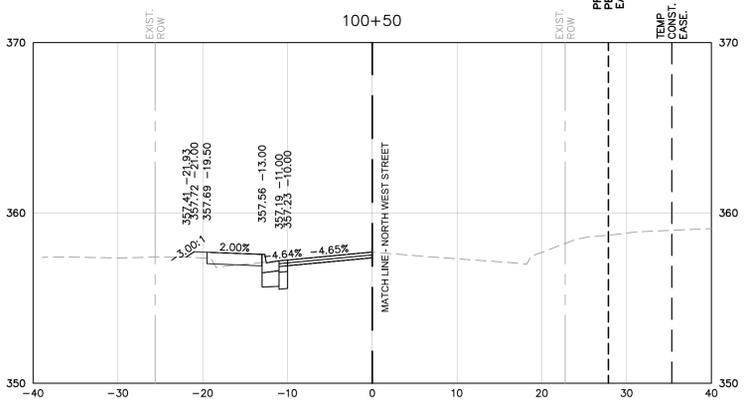
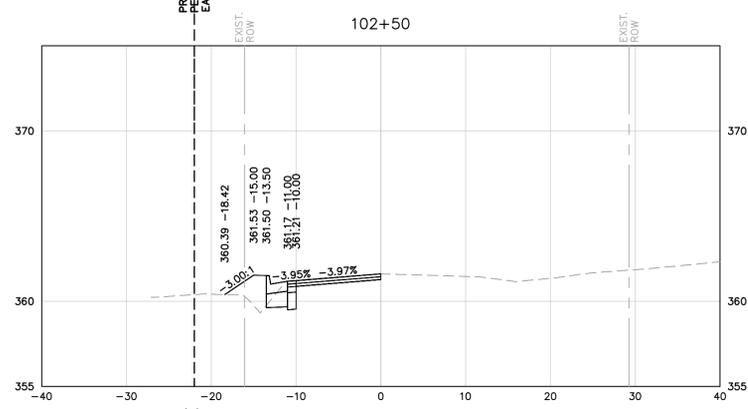
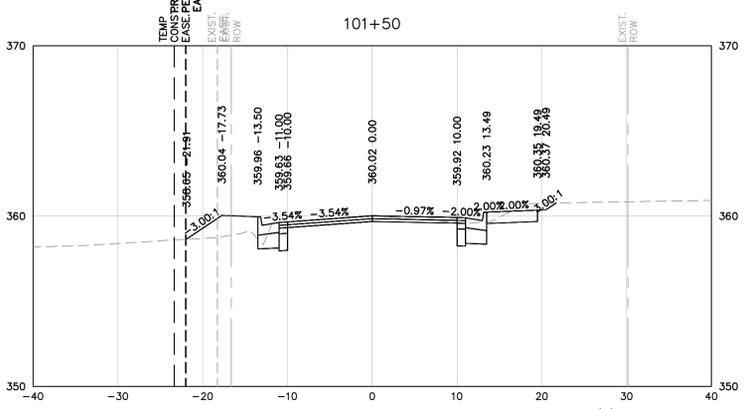
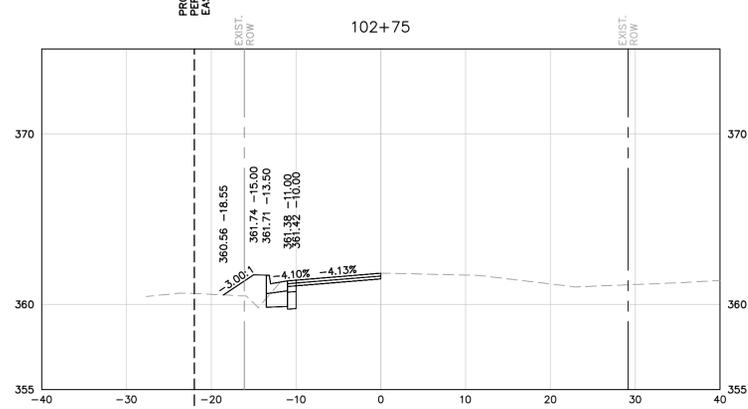
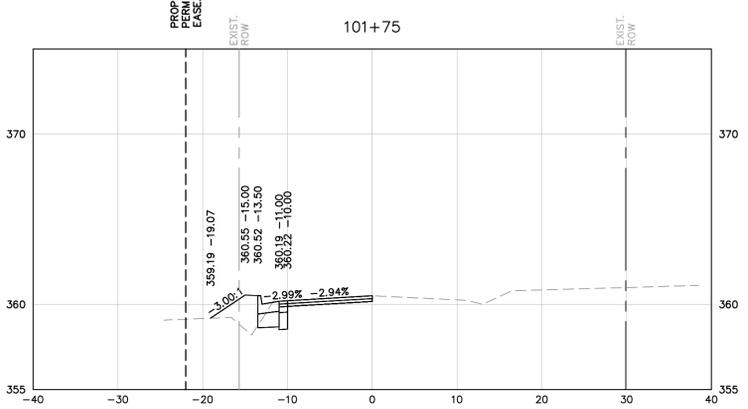
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 Phone: 703-674-1300

TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CROSS SECTIONS - NORTH WEST STREET	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=5'		DESIGNED BY: DD	SHEET
		DRAFTED BY: TC	X1
		CHECKED BY: BB	
R			
E			
V			
I			
S			
I			
O			
N			
S			
#	DESCRIPTION	BY	APPROVED DATE

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

PlotLead By: Doughty, Derek
 Sheet Set: Fairfax North West Street - Layout: X3 ROADWAY CROSS SECTIONS - January 31, 2017 - 05:57:46pm - K:\NVA-ROADWAY\102130322_fairfax_north_west_street\CAD\plansheets\X3 ROADWAY CROSS SECTIONS.dwg
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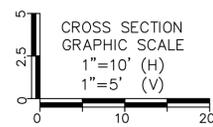
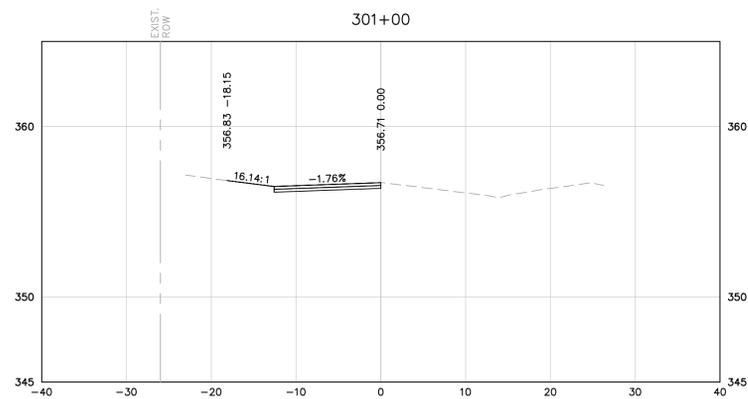
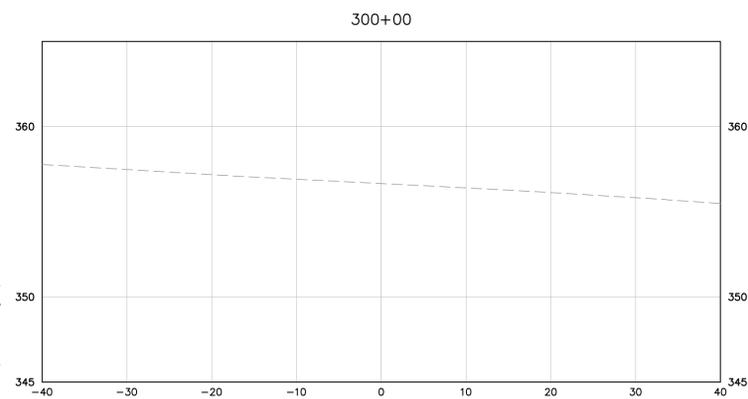
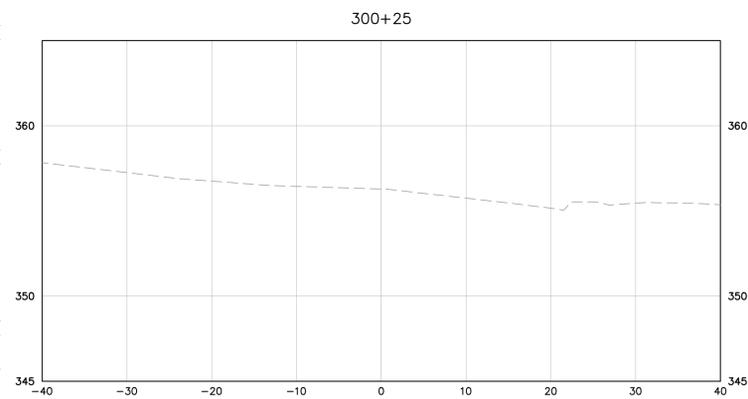
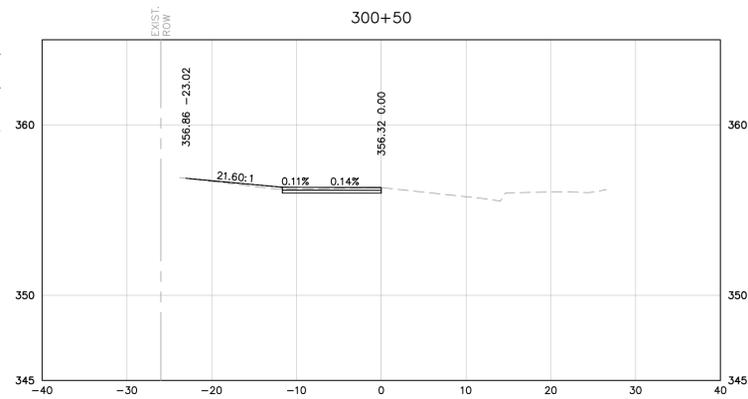
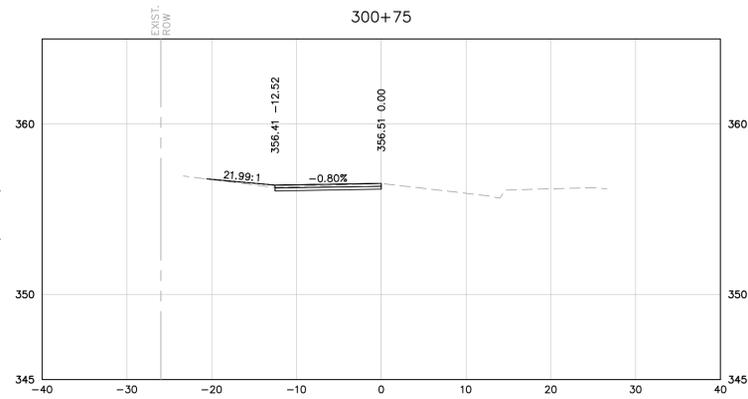
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 Phone: 703-674-1300

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CROSS SECTIONS - GREAT FALLS STREET	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=5'		DESIGNED BY: DD	SHEET X2
		DRAFTED BY: TC	
		CHECKED BY: BB	
DESCRIPTION	BY	APPROVED	DATE

TAX MAP 40-4

PROJECT MANAGER: JAMES BEALL, P.E. (703)877-5673
 SURVEYED BY: FAIRFAX COUNTY (703)877-5600
 DESIGN SUPERVISED BY: BRUCE BARNETT, P.E. (703)870-3599
 DESIGNED BY: KIMLEY-HORN (703)674-1300

PlotLead By: Doughty, Derek
 Sheet Set: Fairfax North West Street Layout: X4 ROADWAY CROSS SECTIONS - January 31, 2017 05:57:49pm
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TAX MAP 40-4

EMERGENCY POLICE - FIRE - RESCUE 911			
FAIRFAX COUNTY, VIRGINIA DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES 12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052			
CAPITAL FACILITIES 703-324-5800		North West Street Sidewalk Improvements CROSS SECTIONS - BRILYN PLACE	
PROJECT NO. ST-00036-003		FUND NO. 300-C30050	
SCALE HORIZ. = 1"=10' VERT. = 1"=5'		DESIGNED BY: DD DRAFTED BY: TC CHECKED BY: BB	SHEET X3
#	DESCRIPTION	BY	APPROVED DATE