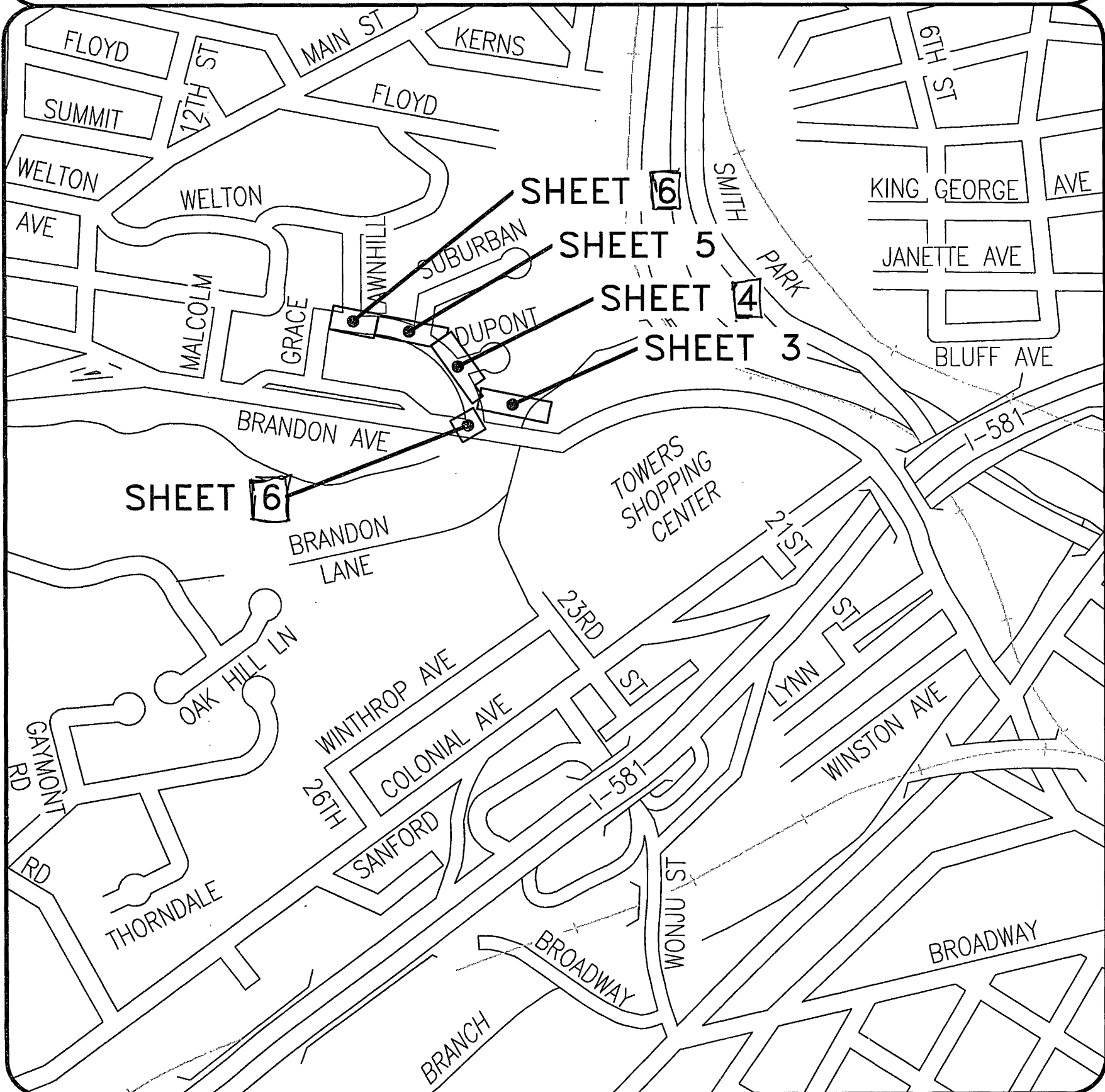


PROJECT LOCATION MAP



ABBREVIATIONS

| | |
|--|-----------------------------------|
| CL = CENTERLINE | PVC = POLYVINYL CHLORIDE |
| ELEV = ELEVATION | HDPE = HIGH DENSITY POLYETHYLENE |
| EL = ELEVATION | BLDG = BUILDING |
| FG = FINISHED GRADE | CRNR = CORNER |
| EG = EXISTING GROUND | PROP = PROPOSED |
| RCP = REINFORCED CONCRETE PIPE | CO = CLEANOUT |
| CI = CAST IRON | SCO = STORM CLEANOUT |
| CMP = CORRUGATED METAL PIPE | SSCO = SANITARY SEWER CLEANOUT |
| INV IN = INVERT IN | WSE = WATER SURFACE ELEVATION |
| INV OUT = INVERT OUT | HP = HIGH POINT |
| FFE = FINISHED FLOOR ELEVATION | TYP = TYPICAL |
| PUE = PUBLIC UTILITY EASEMENT | MH = MANHOLE |
| CONC = CONCRETE | SD = STORM DRAIN |
| MIN = MINIMUM | MAX = MAXIMUM |
| CB = CATCH BASIN | EXST = EXISTING |
| DI = DROP INLET | EXIST = EXISTING |
| DIA = DIAMETER | PVMT = PAVEMENT |
| W/ = WITH | LF = LINEAR FEET |
| RR = RAILROAD | APPROX = APPROXIMATELY |
| ROW = RIGHT OF WAY | SDMH = STORM DRAIN MANHOLE |
| Ø = DIAMETER | SSMH = SANITARY SEWER MANHOLE |
| WWA = WESTERN VIRGINIA WATER AUTHORITY | LW = LIMIT OF WORK |
| VDOT = VIRGINIA DEPARTMENT OF TRANSPORTATION | MECH = MECHANICAL |
| DCR = VIRGINIA DEPARTMENT OF CONSERVATION | N = NORTHING |
| | E = EASTING |
| TW = TOP OF WALL ELEVATION | TOC = TOP OF CURB ELEVATION |
| BW = BOTTOM OF WALL ELEVATION | BOC = BOTTOM OF CURB ELEVATION |
| HT = HEIGHT | FH = FIRE HYDRANT |
| RD = ROOF DRAIN | PSI = POUNDS PER SQUARE INCH |
| TK = THICK | PSF = POUNDS PER SQUARE FOOT |
| L = LENGTH | GPM = GALLONS PER MINUTE |
| NO. = NUMBER | FT = FOOT, FEET |
| R = RADIUS | IN = INCH, INCHES |
| AC. = ACRE(S) | OC = ON CENTER |
| SF = SQUARE FOOT (FEET) | SAN = SANITARY SEWER |
| PERF = PERFORATED | N = NORTHING |
| HORIZ = HORIZONTAL | E = EASTING |
| VERT = VERTICAL | WWF = WELDED WIRE FABRIC |
| MDD = MAXIMUM DRY DENSITY | RHS = RAINWATER HARVESTING SYSTEM |
| SWM = STORM WATER MANAGEMENT | EXP JT = EXPANSION JOINT |
| OAE = OR APPROVED EQUAL | CC JT = CRACK CONTROL JOINT |
| NIC = NOT IN CONTRACT | CONN = CONNECTION |
| H.E.S. = HIGH EARLY STRENGTH | ENT = ENTRANCE |
| | KSI = KIPS PER SQUARE INCH |



OFFICE OF THE CITY ENGINEER
215 CHURCH AVENUE, SW
ROOM 350
ROANOKE, VIRGINIA 24011-1587
PHONE: (540) 853-2731
FAX: (540) 853-1364
ENGINEER@ROANOKEVA.GOV

PROJECT NAME

WINDSOR AVE SW DRAINAGE
IMPROVEMENTS PROJECT
CITY OF ROANOKE

CITY PLAN NUMBER: 6742

LEGEND

| | | | |
|--|-----------------------|--|-------------------------------|
| | TREE | | UNDERGROUND TELEPHONE |
| | GAS LINE | | PROPERTY LINE |
| | UNDERGROUND POWER | | SANITARY MANHOLE |
| | UNDERGROUND CABLE | | UTILITY POLE |
| | WATER LINE | | UTILITY POLE |
| | STORM PIPE | | GUY WIRE |
| | SANITARY SEWER | | FENCE |
| | LEVEL THREE COMM. | | EDGE OF PAVEMENT |
| | UNDERGROUND TELEPHONE | | EXISTING SURVEY NAIL |
| | NEW CONTOUR LINE | | GAS VALVE |
| | CONTOUR LINE | | SMALL WATER METER/VALVE |
| | SANITARY MANHOLE | | WATERLINE MANHOLE |
| | STORM MANHOLE | | TELEPHONE MANHOLE |
| | CLEANOUT | | ASPHALT MILL AND OVERLAY AREA |
| | ELECTRIC MANHOLE | | PERMANENT SEEDING |
| | FIRE HYDRANT | | MULCH |
| | SILT FENCE | | |

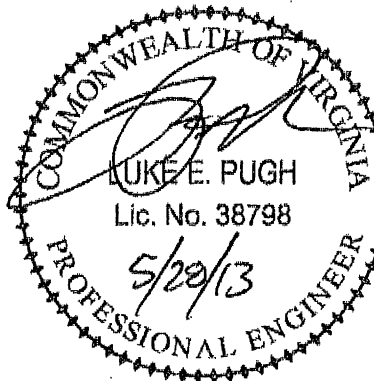
INDEX OF SHEETS

- COVERSHEET
- EROSION AND SEDIMENT CONTROL NOTES
- PLAN AND PROFILE
- PLAN AND PROFILE
- PLAN AND PROFILE
- PLANS AND PROFILES
- DETAILS AND PROFILES

Notes: All Landowners, Developers and Contractors
FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE REQUIREMENTS LISTED BELOW
MAY RESULT IN THE CANCELLATION OF THE PERMIT, THE ISSUANCE OF A
STOP WORK ORDER.

Construction Procedure Requirements

- Right-of-Way Excavation Permit - Prior to the commencement of any digging, alteration or construction within the public right-of-way (streets, alleys, public easements), a right-of-way excavation permit shall be applied for and obtained by the contractor from the City of Roanoke.
- Land Disturbance Permit - An approved erosion and sediment control plan for any proposed fill sites associated with the project must be submitted prior to the issuance of a land disturbance permit.
- Plans and Permits - A copy of the plans as approved by the City (signed by the proper City officials) and all permits issued by the City shall be available at the construction site at all times of ongoing construction.
- Location of Utilities - The contractor shall verify the location of all existing utilities prior to the commencement of any construction.
- Construction Entrance - The contractor shall install an adequate construction entrance for all construction related egress from the site. Size and composition of construction entrance shall be as shown on the plans.
- Streets to Remain Clean - It shall be the responsibility of the contractor to insure that the public street adjacent to the construction entrance remains free of mud, dirt, dust, and/or any type of construction materials or litter at all times.
- Barriers/Ditches - The contractor shall maintain the integrity of all excavated ditches and shall furnish and ensure that all barriers proper and necessary for the safety of the public are in place.
- Sewer and Pavement Replacement - Construction of sanitary sewers and the replacement of pavement shall be in accordance with approved standards and specifications of the City of Roanoke and the Western Virginia Water Authority.
- Approval of Plans/Construction Changes - Any change or variation from construction design as shown on the officially approved plans shall be approved by the erosion and sediment control agent prior to said changes or variation in construction being made.
- Final Acceptance/City - The owner or developer shall furnish the City of Roanoke's Planning Building and Development Department with a field surveyed final correct set of as-built plans of the newly constructed storm drain and/or stormwater management facilities prior to final acceptance and issuance of a certificate of occupancy by the City. As-built plans shall be provided in the State Plane Virginia South Coordinate System, NAD 1983, FIPS 4502 Feet, US Survey Feet, Datum NAD 83, in the form of 1 paper copy and 1 digital AUTOCAD file.



City of Roanoke
Planning Building and Development
APPROVED

Quintin Risher 8-6-13
Development Reviewer Date

Final Acceptance by W.V.W.A
07/01/2014 (Sewer+Water A=Builds)

APPROVED FOR CONSTRUCTION

Philip C. Collins
ROANOKE CITY ENGINEER

7-26-13
DATE

Robert L. Baggett
DIRECTOR OF PUBLIC WORKS

8/02/13
DATE

Sharon M. Strubbs
ASSISTANT CITY MANAGER - OPERATIONS

8/13/13
DATE

SHEET NUMBER: 1 OF 7