

LEGEND

-----34.8-----	EX. INTRMDT. CONTOUR	-----34.8-----	EX. INTRMDT. CONTOUR
-----34.5-----	EX. INDEX CONTOUR	-----34.5-----	EX. INDEX CONTOUR
+ 35.55	EX. SPOT ELEVATION	+ 35.55	EX. SPOT ELEVATION
---8" WL---	EX. WATER LINE	---8" WL---	EX. WATER LINE
---8" SAN---	EX. SANITARY SEWER	---8" SAN---	EX. SANITARY SEWER
-----18" STORM PIPE-----	EX. STORM PIPE	-----18" STORM PIPE-----	EX. STORM PIPE
-----	EX. EDGE OF PAVEMENT	-----	EX. EDGE OF PAVEMENT
-----	EX. BUILDING	-----	EX. BUILDING
-----	EX. CONCRETE	-----	EX. CONCRETE
-----	EX. PAVEMENT	-----	EX. PAVEMENT
-----	EX. GRAVEL	-----	EX. GRAVEL
-----	PAVEMENT REPLACEMENT	-----	PAVEMENT REPLACEMENT
-----	EX. POWER POLE	-----	EX. POWER POLE
-----	EX. SANITARY SEWER MANHOLE	-----	EX. SANITARY SEWER MANHOLE
-----	EX. STORM SEWER MANHOLE	-----	EX. STORM SEWER MANHOLE
-----	CLEANOUT	-----	CLEANOUT
-----	EX. LIGHT POLE	-----	EX. LIGHT POLE
-----	WATER LINE REDUCER	-----	WATER LINE REDUCER
-----	EX. TELEPHONE	-----	EX. TELEPHONE
-----	EX. GAS LINE	-----	EX. GAS LINE
-----	EX. OVERHEAD CABLE	-----	EX. OVERHEAD CABLE
-----	EX. FENCE	-----	EX. FENCE
-----	EX. TREE LINE	-----	EX. TREE LINE
-----	ADJOINING PROPERTY LINE	-----	ADJOINING PROPERTY LINE
-----	EXISTING ROAD MONUMENTS	-----	EXISTING ROAD MONUMENTS

ABBREVIATIONS

AH/FH	ARROW HEAD TOP OF FIRE HYDRANT	EVCS	END VERT. CURVE STA.	RR	RAILROAD
APPROX	APPROXIMATE	EW	ENDWALL	RYS	REAR YARD SETBACK
ASPH	ASPHALT	EXIST	EXISTING	SAN	SANITARY
BC	BACK OF CURB	FDN	FOUNDATION	SBL	SOUTH BOUND LANE
BIT	BITUMINOUS	FF	FINISHED FLOOR	SD	STORM DRAIN
BLDG	BUILDING	FG	FINISH GRADE	SECT	SECTION
BLK	BLOCK	GBE	GRADE BREAK ELEVATION	SEE	SLOPE EASEMENT
BM	BENCHMARK	GBS	GRADE BREAK STATION	SSE	SANITARY SEWER
BS	BOTTOM OF BOTTOM STEP	HOA	HOMEOWNERS ASSOCIATION	STD	STANDARD
BVCE	BEGIN VERT. CURVE ELEV.	HPT	HIGH POINT	STD	STANDARD
BVCS	BEGIN VERT. CURVE STA.	HSD	HEADLIGHT SIGHT DISTANCE	STD	STANDARD
BW	BOTTOM OF WALL	INTX	INTERSECTION	STD	STANDARD
CB	CINDER BLOCK	INV	INVERT	STD	STANDARD
C&G	CURB & GUTTER	IP	IRON PIN	STD	STANDARD
CMP	CORRUGATED METAL PIPE	LT	LEFT	STD	STANDARD
CONC	CONCRETE	LVC	LENGTH OF VERTICAL CURVE	STD	STANDARD
COR	CORNER	MH	MANHOLE	STD	STANDARD
DBL	DOUBLE	MIN	MINIMUM	STD	STANDARD
DEFL	DEFLECTION	MBL	MINIMUM BUILDING LINE	STD	STANDARD
DI	DROP INLET	MON	MONUMENT	STD	STANDARD
DIA	DIAMETER	NBL	NORTH BOUND LANE	STD	STANDARD
DE	DRAINAGE EASEMENT	PROP	PROPOSED	STD	STANDARD
ELEC	ELECTRIC	PUE	PUBLIC UTILITY EASEMENT	STD	STANDARD
ELEV	ELEVATION	PVMT	PAVEMENT	STD	STANDARD
ENTR	ENTRANCE	R	RADIUS	STD	STANDARD
EP	EDGE OF PAVEMENT	RT	RIGHT	STD	STANDARD
EVCE	END VERT. CURVE ELEV.	R.O.W.	RIGHT OF WAY	STD	STANDARD
		REQD	REQUIRED	STD	STANDARD

ENGINEERS NOTES:

BALZER AND ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE DEVELOPER.

BALZER AND ASSOCIATES, INC. WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE PLANS OR WILL NOT BE RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR THEIR AGENTS OR EMPLOYEES, OR OF ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK.

SOURCE OF TOPOGRAPHIC MAPPING IS FIELD SURVEY PERFORMED BY BALZER AND ASSOCIATES, INC., DATED MAY 2020.

CITY OF ROANOKE & UTILITY CONTACTS:

CITY OF ROANOKE DEVELOPMENT REVIEW COORDINATOR - ADRIAN GILBERT (540) 853-5796

ROANOKE GAS COMPANY - BRETT BENNETT

VERIZON - WILLARD DIETZ (540) 265-7510

AMERICAN ELECTRIC POWER - KEITH FREEMAN (540) 427-3643

WESTERN VIRGINIA WATER AUTHORITY - AARON SHEARER (540) 283-2941

CITY OF ROANOKE TRAFFIC ENGINEER - HONG LIU (540) 853-2676

NEW HOPE CHRISTIAN CHURCH

4229 WELCOME VALLEY RD SE CITY OF ROANOKE, VIRGINIA

SHEET INDEX

C1	COVER SHEET	C12	E.S.C. DETAILS
C2	GENERAL NOTES	C13	UTILITY PROFILES
C3	SOILS INFORMATION	C14	WELCOME VALLEY RD R.O.W. IMPROVEMENTS
C4	EXISTING CONDITIONS & DEMOLITION PLAN	C15	LANDSCAPE PLAN
C5	LAYOUT PLAN	C16	SITE DETAILS I
C6	UTILITY PLAN	C17	SITE DETAILS II
C7	GRADING PLAN	C18	SITE DETAILS III
C8	SWM DETAILS	C19	WWVA DETAILS
C9	E.S.C. PLAN - PHASE I	C20	MAINTENANCE OF TRAFFIC PLAN
C10	E.S.C. PLAN - PHASE II	C21	CUT SHEETS
C11	E.S.C. NOTES		

WESTERN VIRGINIA WATER AUTHORITY NOTES:

AVAILABILITY No.: 21-026

GENERAL NOTES:

A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE WESTERN VIRGINIA WATER AUTHORITY TO BE HELD AT LEAST ONE (1) DAY PRIOR TO ANY CONSTRUCTION OF THE APPROVED WATER AND SANITARY SEWER FACILITIES.

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED ON ALL WWVA WATER AND SEWER LINES.

ALL SANITARY SEWER AND WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS, MANHOLES, ETC. AFTER PAVING AND ADJUSTING TO FINAL GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AND SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES IN THE AREAS OF CONSTRUCTION PRIOR TO STARTING WORK.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT-OF-WAYS SHALL BE COMPACTED ACCORDING TO CITY OF ROANOKE STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL REFER TO THE WESTERN VIRGINIA WATER AUTHORITY STANDARD WATER AND SEWER REGULATIONS FOR CONSTRUCTION DETAILS AND INSTALLATION METHODS AS REQUIRED TO COMPLETE THE PROPOSED UTILITY FACILITIES AS INDICATED BY THESE DRAWINGS.

FIELD CHANGES SHALL BE SUBMITTED BY THE ENGINEER OF RECORD TO THE LOCALITY AND BE APPROVED BY THE WWVA.

THE CONTRACTOR SHALL PROVIDE THE WESTERN VIRGINIA WATER AUTHORITY WITH CORRECT AS-BUILT PLANS PRIOR TO SUBSTANTIAL COMPLETION OF ANY NEW PUBLIC EXTENSIONS.

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS NO SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY (WWVA) AVAILABLE AT WWW.WESTERNVAVATER.ORG OR BY CONTACTING THE AUTHORITY AT (540) 853-5700. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER AGENCY'S STANDARDS (E.G. VDOT, DEQ, DCR, VDH, ETC.) WHERE APPLICABLE.

PLAN APPROVAL BY THE WWVA DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE OR RELOCATE ANY EXISTING CONFLICTS FOUND DURING CONSTRUCTION.

ALL PRIVATE UTILITY CONSTRUCTION, I.E. PIPING, VALVES, HYDRANTS, METERS AND BOXES, CLEAN OUTS, SANITARY SEWER MANHOLES, BEDDING, ETC. SHALL COMPLY WITH THE CURRENT VIRGINIA UNIFORM STATEWIDE BUILDING CODE (INCLUDING AMENDMENTS).

THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" CLEARANCE VERTICALLY AND TWO (2) FOOT MINIMUM HORIZONTALLY FROM THE OUTSIDE OF PIPE TO OUTSIDE OF PIPE WITH ALL OTHER UNDERGROUND UTILITIES. WHERE THIS CANNOT BE ACHIEVED, ADDITIONAL MEASURES IN ACCORDANCE WITH WWVA STANDARDS SHALL BE ENFORCED.

ALL UTILITY GRADE ADJUSTMENTS SHALL BE IN ACCORDANCE WITH WWVA STANDARDS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER NOTES

WATER MAINS SHALL BE MINIMUM CLASS 350 DUCTILE IRON IN ACCORDANCE TO AWWA C151 OR DR-14 PVC IN ACCORDANCE WITH AWWA C-900.

WATER LATERALS FROM THE METER TO THE BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

THE CONSTRUCTION OF THE PROPOSED PUBLIC WATER MAIN AND ALL COMMERCIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

SEWER NOTES:

COMMERCIAL SANITARY SEWER LATERAL SHALL BE MINIMUM 6" PIPE INSTALLED AT SLOPES AS SHOWN ON THE PLAN.

THE LATERALS AND REQUIRED FITTINGS LOCATED WITHIN A PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENT SHALL BE OF THE SAME TYPE OF MATERIAL AS THE MAINLINE SEWER PIPE.

THE CONSTRUCTION OF THE PROPOSED PUBLIC SEWER MAIN AND ALL COMMERCIAL SERVICES SHALL BE IN COMPLIANCE WITH THE CURRENT WESTERN VIRGINIA WATER AUTHORITY REGULATIONS. REFER TO THESE REGULATIONS FOR COMPLETE DETAILS AND INSTALLATION METHODS.

ALL SANITARY SEWER PIPING SHALL BE PVC (POLYVINYL CHLORIDE) MANUFACTURED IN ACCORDANCE WITH ASTM DESIGNATION 3034-77 (SDR 35) UNLESS OTHERWISE NOTED ON THE PLANS/PROFILES.

ALL MANHOLE FRAMES AND COVERS SHALL BE WATERTIGHT AND ALL COVERS SHALL BE BOLT-DOWN MANHOLE COVERS (SEE DETAIL S-05 AND S-06) WHERE APPLICABLE.

STANDARD CITY OF ROANOKE CONSTRUCTION PROCEDURE REQUIREMENTS:

NOTICE TO ALL LANDOWNERS, DEVELOPERS, AND CONTRACTORS:

FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE REQUIREMENTS LISTED BELOW MAY RESULT IN THE COSTLY REMOVAL OF STRUCTURES, TIME DELAYS, OR THE ISSUANCE OF A STOP WORK ORDER.

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 BORROW/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 OF ROANOKE (SIGNED BY THE PROPER CITY OFFICIALS) AND ALL PERMITS ISSUED BY THE CITY SHALL BE MADE 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 THE 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.

BARRICADES/DITCHES: THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXCAVATED DITCHES AND SHALL FURNISH AND ENSURE THAT ALL BARRICADES 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.

APPROVED 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 NA 83, IN THE FORM OF 1 PAPER COPY AND 1 DIGITAL AUTOCAD FILE.



COMPREHENSIVE
SITE PLAN #:
CP20-0044

SITE & ZONING SUMMARY:

OWNER: TRS NEW HOPE CHRISTIAN CHURCH
4229 WELCOME VALLEY RD SE
ROANOKE, VA 24018

TAX MAP NUMBERS: 5390113, 5390115

TOTAL EXISTING LOT SIZE: 5390113 - 4.7739 AC. ±
5390115 - 0.9648 AC. ±

EXISTING USE: PLACE OF WORSHIP

PROPOSED USE: PLACE OF WORSHIP

ZONING: 5390113, 5390115 - INPUD: INSTITUTIONAL PLANNED DEVELOPMENT

ORD#: 41598-102119

INPUD DISTRICT REGULATIONS:

MINIMUM / MAXIMUM LOT AREA: 4,000 SF / NO MAX.

LOT AREA PROVIDED: 5.7387 AC ±

MINIMUM / MAXIMUM LOT FRONTAGE: 70' / NO MAX.

LOT FRONTAGE PROVIDED: ±550'

SETBACKS:

FRONT YARD MINIMUM / MAXIMUM SETBACK: 15' / NONE

SIDE YARD SETBACK: 3'

REAR YARD SETBACK: 15'

MAXIMUM BUILDING HEIGHT: 40'

IMPERVIOUS SURFACE AREA MAX: 80%

IMPERVIOUS SURFACE AREA PROVIDED: ±47%

MINIMUM TREE CANOPY REQUIRED: 10% OF LOT AREA (DISTURBED)

TREE CANOPY PROVIDED: 10%

BUILDING SUMMARY:

CONSTRUCTION USE GROUP: A-3 ASSEMBLY

CONSTRUCTION TYPE: IIA, IIB

PARKING SUMMARY:

OFF-STREET PARKING REQUIRED (MINIMUM): 103 SPACES

0.25 SPACES PER SEAT IN THE PORTION OF THE BUILDING TO BE USED FOR SERVICES
410+/- SEATS PROPOSED * 0.25 = 103 SPACES

OFF-STREET PARKING PROVIDED: 180 SPACES

OFF-STREET HANDICAPPED PARKING SPACES
REQUIRED: 5 SPACES
PROVIDED: 7 SPACES

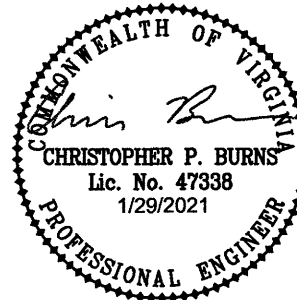


BALZER & ASSOCIATES
PLANNERS / ARCHITECTS
ENGINEERS / SURVEYORS

Roanoke / Richmond
New River Valley / Staunton
Harrisonburg / Lynchburg

www.balzer.cc

1208 Corporate Circle
Roanoke, VA 24018
540.772.9580



Contractor:
Wells Construction

Inspector:
Bruce Peters

NEW HOPE CHRISTIAN CHURCH

4229 WELCOME VALLEY RD SE

COVER SHEET

CITY OF ROANOKE, VIRGINIA

DRAWN BY: KAM
DESIGNED BY: BTC
CHECKED BY: BTC
DATE: 11/17/2020
SCALE: N/A
REVISIONS:
1/6/2021
1/29/2021

City of Roanoke
Planning, Building, & Development

COMPREHENSIVE DEVELOPMENT PLAN

APPROVED

Date

Development Engineer AC Cypher

CITY OF ROANOKE APPROVAL BLOCK

C1

PROJECT NO. 04200027.00