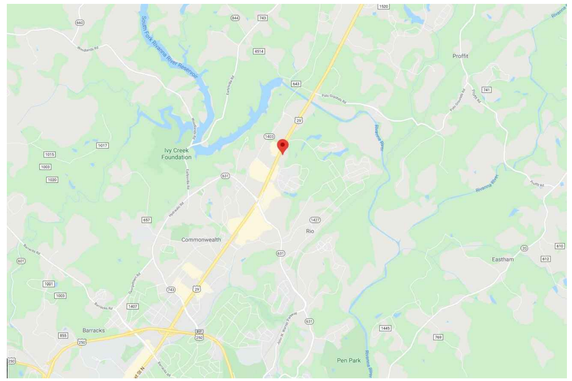
GANDER DRIVE
CHARLOTTESVILLE, VA 22901



DRAWING INDEX

CS-1 COVER SHEET

CIVIL
(REFER TO CIVIL INDEX ON SHEET C1.0)

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A-2 UPPER FLOOR PLAN
A-3a EXTERIOR ELEVATIONS
A-3b EXTERIOR ELEVATIONS
A-3.1 TOWER DETAILS
A-3.2 ROOF PLAN / TOWER SECTIONS & DETAILS
A-4 BUILDING SECTIONS
A-4.1 WALL SECTIONS AND DETAILS
A-5 WALL SECTIONS
A-6 DOOR - SF SCHEDULES AND DETAILS
A-6.1 DOOR - SF DETAILS
A-7 DETAILS AND INTERIOR ELEVATIONS
A-7.1 INTERIOR ELEVATIONS
A-8 REFLECTED CEILING PLANS
A-9 PIT OPENING DETAILS
A-10 DUMPSTER ENCLOSURE
A-10a SIGNAGE INFORMATION
A-11 LIFE SAFETY PLANS
PP-1 PLACARD PLACEMENT INFO

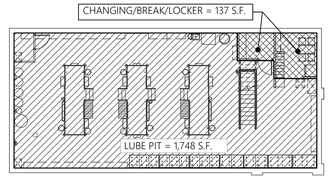
STRUCTURAL
S-1 FOUNDATION PLAN
S-2 FOUNDATION DETAILS
S-3 FLOOR FRAMING PLAN
S-3.1 FLOOR PENETRATION PLAN
S-4 FLOOR FRAMING DETAILS
S-4.1 ALTERNATE FLOOR FRAMING DETAILS
S-5 ROOF FRAMING PLAN
S-5.1 ROOF FRAMING DETAILS

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E-3.1 LOW VOLTAGE PLANS
E-3.2 LOW VOLTAGE PLANS
E-4 PANEL SCHEDULES
ES-1 ELECTRICAL SITE PLAN

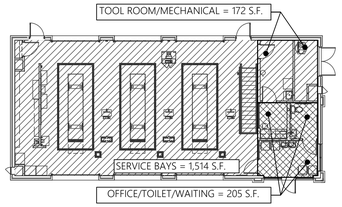
AREA SUMMARY



LOWER LEVEL AREA DIAGRAM

LOWER LEVEL: 1,885 S.F. GROSS* (INSIDE FACE OF EXTERIOR WALLS)
LOWER LEVEL: 1,225 S.F. NET (OCCUPIABLE SPACE MINUS EQUIPMENT)
*GROSS AREA = FIRE AREA

NOTE: PER #### IBC SECTION 903.2.9 GROUP S-1, AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED BASED ON THIS BUILDING NOT MEETING ANY OF THESE CONDITIONAL REQUIREMENTS (1 THRU 5). ALSO, PER SECTION 903.2.9.1 REPAIR GARAGES, A SYSTEM IS NOT REQUIRED BASED ON ANY OF THESE CONDITIONS.



UPPER LEVEL AREA DIAGRAM

UPPER LEVEL: 1,891 S.F. GROSS (INSIDE FACE OF EXTERIOR WALLS)
UPPER LEVEL: 1,472 S.F. NET (OCCUPIABLE SPACE MINUS EQUIPMENT)
*GROSS AREA = FIRE AREA

STORAGE/MECHANICAL = 300 S.F. GROSS/OCCUPANT

BUSINESS AREAS = 100 S.F. GROSS/OCCUPANT

ABBREVIATIONS

AL.	ALUMINUM
A.F.F.	ABOVE FINISHED FLOOR
BD.	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BRG	BEARING
CAB.	CABINET
CLG.	CEILING
CMU.	CONCRETE MASONRY UNIT
COL.	COLUMN
CON.	CONTRACTOR
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS OR CONTINUE
CPT.	CARPET(ED)
CTR.	COUNTER
CT.	CERAMIC TILE
C.J.	CONTROL JOINT
C.O.	CASED OPENING
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DIV.	DIVISION
DR.	DOOR
DS.	DOWNSPOUT
DTL.	DETAIL
DWG.	DRAWING
DWR.	DRAWER
EA.	EACH
ELEC.	ELECTRICAL
EL.	ELEVATION
EMER.	EMERGENCY
EQUIP.	EQUIPMENT
EQ.	EQUAL
EXH.	EXHAUST
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
E.J.	EXPANSION JOINT
FA.	FIRE ALARM
FD.	FLOOR DRAIN
FE.	FIRE EXTINGUISHER
FIN.	FINISH(ED)
FLR.	FLOOR(ING))
FOC.	FACE OF CONCRETE
FOF.	FACE OF FINISH
FOM.	FACE OF MASONRY
FOS.	FACE OF STUD
FRP.	FIBERGLASS REINFORCED PANEL
FTG.	FOOTING
FT.	FOOT OR FEET
FURR.	FURRED (ING)
F.R.	FIRE RESISTANT
GALV.	GALVANIZED
GA.	GAUGE
GD.	GRADE OR GRADING
GL.	GLASS
GYP.	GYPSUM
G.C.	GENERAL CONTRACTOR
GWB.	GYPSUM WALL BOARD
HC.	HOLLOW CORE
HC.	HANDICAPPED
HM.	HOLLOW METAL
HORIZ.	HORIZONTAL
ID.	INSIDE DIAMETER
INST.	INSTALLER
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
LAM.	LAMINATE
LAV.	LAVATORY
LL.	LANDLORD
MATL.	MATERIAL
MAX.	MAXIMUM
MDF.	MEDIUM DENSITY FIBER BOARD
MECH.	MECHANICAL
MFG.	MANUFACTURER
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
MO.	MASONRY OPENING
MTL.	METAL
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
NTS.	NOT TO SCALE
OA.	OVERALL
OD.	OUTSIDE DIAMETER
OPNG.	OPENING
OPP.	OPPOSITE
O.C.	ON CENTER
P.L.	PLASTIC LAMINATE
PLAM.	PLASTIC LAMINATE
PR.	PAIR
PT.	PAINT
P.T.	PRESSURE TREATED
PWD.	PLYWOOD
QT.	QUARRY TILE
RA.	RETURN AIR
RE.	REFERENCE / REFER TO
RD.	ROOF DRAIN
REFR.	REFRIGERATOR
REINF.	REINFORCE (D) (ING)
REQMTS.	REQUIREMENTS
REQ.	REQUIRED
RES.	RESILIENT
RO.	ROUGH OPENING
SCH.	SCHEDULE
SC.	SOLID CORE
SEC.	SECTION
SHTG.	SHEATHING
SH.	SHELF
SIM.	SIMILAR
SPEC.	SPECIFICATION
SPK.	SPEAKER
SQ.	SQUARE
SST.	STAINLESS STEEL
STL.	STEEL
STOR.	STORAGE
SUPP.	SUPPLIER
SUSP.	SUSPENDED
TEL.	TELEPHONE
TEN.	TENANT OWNER FRANCHISEE
TYP.	TYPICAL
T.C.C.	TENANTS CABINET CONTRACTOR
T.E.C.	TENANT'S ELECTRICAL CONTRACTOR
T.G.C.	TENANTS GENERAL CONTRACTOR
U.O.N.	UNLESS OTHERWISE NOTED
VCT.	VINYL COMPOSITION TILE
VERT.	VERTICAL
VT.	VINYL TILE
V.I.F.	VERIFY IN FIELD
WC.	WATER CLOSET
WD.	WOOD
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

DRAWING SYMBOL KEY

D# DOOR NUMBER (SEE DOOR SCHEDULE)

STOREFRONT TAG (SEE STOREFRONT OPENING SCHEDULE)

X-# FINISH TAG (SEE FINISH SCHEDULE)

FIXTURE/EQUIPMENT TAG (SEE FIXTURE AND EQUIPMENT SCHEDULE)

KEY NOTE

REVISION TAG (SEE PROJECT TRACKING)

REVISION CLOUD (DENOTES AREA OR ITEM ON DRAWING AFFECTED BY REVISION)

(ITEM DENOTED) (ELEVATION OF ITEM) ELEVATION MARK

DETAIL # / SHEET # DETAIL TAG

DETAIL # / SHEET # WALL SECTION TAG

SHEET # / DETAIL # / SHEET # BUILDING SECTION TAGS

ELEVATION # / SHEET # / DETAIL # / SHEET # INTERIOR ELEVATION TAGS

GENERAL NOTES

1. THESE NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.
2. ALL WORK INCLUDING CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, & ELECTRICAL SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, & LOCAL CODE REQUIREMENTS, AND IN ACCORDANCE WITH ACCEPTED CONSTRUCTION INDUSTRY STANDARDS.
3. OWNER SHALL OBTAIN & PAY FOR BUILDING & SIGN PERMITS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL OTHER APPLICABLE PERMITS, INSPECTIONS AND APPROVALS.
4. PRIOR TO TURNING BUILDING OVER TO OWNER, REPAIR/REPLACE ALL MATERIALS, GLASS, OR ASSEMBLIES DAMAGED OR BROKEN DURING CONSTRUCTION.
5. SMOKE DETECTORS SHALL BE HARDWIRED INTO AN AC ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH BATTERY BACK-UP. SMOKE DETECTORS SHALL BE TESTED FOR COMPLIANCE UPON COMPLETION OF WORK.
6. SEAL ALL PENETRATIONS THRU FLOOR DECK. ALSO REFER TO STRUCTURAL PENETRATION PLAN THRU SLAB/PRECAST PLANK FLOORING FOR LOCATIONS
7. FRAMER SHALL PROVIDE IN-WALL BLOCKING AS REQUIRED AT TOILET ACCESSORIES, CABINETS, COUNTERTOPS & ALL AREAS w/ WALL HUNG ITEMS OR AS ALSO CALLED OUT IN THESE DOCUMENTS.
8. FRAMER SHALL PROVIDE 2x_ FIRE BLOCKING @ ALL CONCEALED SPACES OF ALL STUD WALLS @ CEILING LEVEL AND @ 10' INTERVALS AND/OR AS OTHERWISE REQUIRED BY CODE.
9. PROVIDE KNOX-BOX IN ACCORDANCE W/ FIRE DEPARTMENT REQUIREMENTS.
10. PROVIDE SEALANT AT ALL CONCRETE SLAB TO BUILDING JOINTS.
11. DIMENSIONS NOTED ON PLANS ARE TO THE OUTSIDE FACE OF WD. STUD FRAMING UNLESS NOTED OTHERWISE.

SPECIAL PHOTOGRAPHIC REQ.

THE FOLLOWING IS A LIST OF PHOTOGRAPHS THAT SHALL BE TAKEN BY THE GENERAL CONTRACTOR DURING THE COURSE OF CONSTRUCTION. THESE PHOTOS SHALL BE TAKEN AT APPROPRIATE INTERVALS AND SHALL BE DELIVERED TO VIOC CONSTRUCTION REPRESENTATIVES ON A WEEKLY BASIS AND SHALL BE TRANSMITTED ELECTRONICALLY VIA E-MAIL. THE PURPOSE OF THESE PHOTOGRAPHS IS TO DOCUMENT CONSTRUCTION. DISTRIBUTION AND/OR REVIEW OF SUCH PHOTOS TO/BY THE OWNER SHALL NOT IN ANY WAY BE MISCONSTRUED AS ACCEPTANCE OF COMPLETED WORK AND DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY FULLY WITH THE REQUIREMENTS SET FORTH IN THE CONTRACT DOCUMENTS. FAILURE TO TAKE THESE PHOTOGRAPHS OR FOLLOW THESE PROCEDURES MAY RESULT IN REMOVAL OF IN-PLACE WORK, PHOTOGRAPHIC DOCUMENTATION, AND REPLACEMENT OF WORK AT THE SOLE EXPENSE OF THE GENERAL CONTRACTOR WITHOUT DETRIMENTALLY IMPACTING THE SCHEDULED DATE FOR COMPLETION.

GENERAL WEEKLY PHOTOS
- OVERALL SITE PHOTOS FROM SEVERAL CONSISTENT VANTAGE POINT
- PHOTOS IN EACH ROOM FROM OPPOSITE SIDES OF EACH ROOM
- DETAILED PHOTOS OF ISSUES TO BE RESOLVED
- DETAILED PHOTOS OF WORK ACCOMPLISHED IN THE PAST WEEK

SPECIFIC DETAIL PHOTOS
- SITE UTILITIES PRIOR TO BACKFILLING
- ALL DOUBLE CLEANOUTS INCLUDING AREA SHOTS TO INDICATED LOCATIONS
- ALL TRENCHES DURING THE BACKFILL PROCESS
- ALL ASPHALT BASE, BASE COURSE, AND TOP COURSE THICKNESS
- ALL PAVING, FOUNDATION, AND SLAB POURS JUST PRIOR TO CONCRETE PLACEMENT
- PAVING, FOUNDATION, AND SLAB STEEL PLACEMENT IN VARIOUS LOCATIONS AROUND THE BUILDING
- UNDER SLAB WATERPROOFING & VAPOR BARRIER INSTALLATIONS
- FOUNDATION WATERPROOFING FROM FOOTING TO TOP OF HOLLOW CORE PLANKS.
- LIGHT POLE BASES PRIOR TO CONCRETE PLACEMENT INCLUDING STEEL AND BOLTS
- UNDERGROUND PLUMBING INSIDE THE BUILDING
- SUMP(S) IN PLACE PRIOR TO BACKFILL INCLUDING CONNECTIONS
- BACK FILL PROCESS FOR SUMP(S)
- GLASS INSTALLATION DETAILS AT ALL STAGES INCLUDING
  - A. FLASHING UNDER SILL RECEPTOR
  - B. SILL RECEPTOR IN PLACE
  - C. END DAMS SEALED ON SILL RECEPTOR
  - D. LAPS (IF REQUIRED) IN SILL RECEPTOR
  - E. SHIMS, UNDER SILL
  - F. PROPER JAMB AND HEAD GAPS
- ALL WALLS PRIOR TO SHEETROCK INSTALLATION SHOWING ALL BLOCKING, PLUMBING, STRUCTURAL CONNECTS AT BOTTOM AND TOP PLATES, WALL ANCHORS, ELECTRICAL CONDUIT, AND INSULATION AT A MINIMUM.
- RESTROOM PRIOR TO FINISHES TO SHOW WALLBOARD AND TILE BACKER.
- PAINT BUCKETS INDICATING MANUFACTURER AND PAINT TYPE SHOWN ON JOB SITE.

PROJECT DATA

CODE: 2015 VIRGINIA CONSTRUCTION CODE
2015 VIRGINIA STATEWIDE FIRE PREVENTION CODE
2009 ACCESSIBLE AND USABLE BUILDINGS/FACILITIES (ICC A117.1)
2015 VIRGINIA ENERGY CONSERVATION CODE
2015 VIRGINIA MECHANICAL CODE
2015 VIRGINIA PLUMBING CODE
2015 FUEL GAS CODE
2015 VIRGINIA CONSTRUCTION CODE (NFPA 70)

OCCUPANCY CLASSIFICATION: S-1 STORAGE
CONSTRUCTION TYPE: V-B
BUILDING ALLOWABLE AREA: 9,000 S.F. AND 1 STORY ABOVE GRADE MAX.
TOTAL GROSS BUILDING AREA: 3,776 S.F. (LOWER + UPPER)
ACTUAL BUILDING AREA: 4,154 S.F. - 1 STORY (EXTERIOR F.O. BUILDING)

STORIES / HEIGHT: ONE STORY w/ LOWER LEVEL (LUBE PIT)
±22'-7" TOP OF MAIN RIDGE and ±28'-11" TOP OF TOWER
FLOOR LOADING: 100 PSF + H15-44 ASHTO TRUCK LOADING OF 6,000 LBS.
FRONT AXLE & 24,000 LBS REAR AXLE 14'-0" APART

OCCUPANT LOAD LOWER LEVEL:

LUBE PIT (STORAGE/MECHANICAL):	1,748 S.F. / 300 (GROSS)	= 5.8
CHANGING/BREAK/LOCKER (BUSINESS):	137 S.F. / 100 (GROSS)	= 1.4
* LOWER LEVEL TOTAL OCCUPANT LOAD:	1,885 S.F. (GROSS)	= 7.2 occ.

OCCUPANT LOAD UPPER LEVEL:

SERVICE BAYS (STORAGE/MECHANICAL): +TOOL RM./MECH. (STORAGE/MECHANICAL):	1,514 S.F. 172 S.F.	
	1,686 S.F. / 300 (GROSS)	= 5.6
OFFICE/TOILET/WAITING (BUSINESS):	205 S.F. / 100 (GROSS)	= 2.1
* UPPER LEVEL TOTAL OCCUPANT LOAD:	1,891 S.F. (GROSS)	= 7.7 occ.
* BUILDING TOTAL OCCUPANT LOAD:	3,776 S.F. (GROSS)	= 15 occ.

PROJECT DIRECTORY

OWNER'S REP.
Valvoline Instant Oil Change
Jason Hunt
100 Valvoline Way
Lexington, KY 40509
Bus: (859) 357-7188

OWNER'S P.M.
Valvoline Instant Oil Change
John Culley
100 Valvoline Way
Lexington, KY 40509
Bus: (859) 221-8641
Fax: (866) 268-7511

LANDSCAPE ARCHITECT
Yellow Springs Design
Roger Beal
616 Xenia Ave.
Yellow Springs, OH 45387
Bus: (937) 767-8199

ARCHITECT
CESO Inc. - Dayton
3601 Rigby Road
Suite 300
Miamisburg, OH 45342
Bus: (937) 435-8584
Fax (888) 208-4826

STRUCTURAL ENGINEER
SMBH Structural Engineering
Mike Sugrue
1166 Dublin Road Suite 200
Columbus, OH. 43215
Bus: (614) 481-9800
Dir: (614) 643-5584

LUBE EQUIP. SUPPLIER
Alemite
7845 Little Ave.
Charlotte, NC 28226
Bus: (800) 233-0400
Fax: (704) 542-4650

CIVIL ENGINEER
CESO Inc. - Dayton
3601 Rigby Road
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Miamisburg, OH 45342
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MEP ENGINEERS
WHS Engineering
2012 West 25th St.
Suite 200
Cleveland, OH 44113
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Fax: (216) 633-7888

CESO
WWW.CESOINC.COM
3601 RIGBY ROAD, SUITE 300, MIAMISBURG, OH. 45342
PHONE: (937) 435-8584 FAX: (888) 208-4826

No.	Revisions/Submissions	Date
	PERMIT SET	06.30.20
	OWNER REVIEW	02.19.20

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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STATE OF SOUTH DAKOTA
BRADLEY M. HEGGEN
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title
COVER SHEET

Drawing No.
CS-1

W:\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\02-BLDG\PLAN\DWG\3BRH-STnD ArchCAD 2020 Q13BRH-STnD _CS1 Cover Sheet, last plotted: 6/29/2020 10:40:28 AM, last saved: 6/19/2020 10:52 AM by RMOBLEY.CHAN

OWNER/DEVELOPER:
VALVOLINE INSTANT OIL CHANGE
100 VALVOLINE WAY
LEXINGTON, KY 40509
CONTACT: JASON HUNT
PHONE: (859) 357-7188
EMAIL: JASON.HUNT@VALVOLINE.COM

CONSTRUCTION MANAGER:
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100 VALVOLINE WAY
LEXINGTON, KY 40509
CONTACT: JOHN CULLEY
PHONE: (859) 221-8641
EMAIL: JOHN.CULLEY@VALVOLINE.COM

ENGINEER:
CESO, INC.
3601 RIGBY RD. SUITE 300
MIAMISBURG, OH 45342
CONTACT: KELLY SCHWIETERMAN
PHONE: (937) 401-3413
EMAIL: SCHWIETERMAN@CESOINC.COM

ARCHITECT:
CESO, INC.
175 MONTROSE W. AVE SUITE 400
AKRON, OH 44321
CONTACT: HEATH MINYARD
PHONE (479) 321-3225
EMAIL: MINYARD@CESOINC.COM

GOVERNING AGENCIES AND UTILITY COMPANIES:

VARIOUS UTILITIES THAT DO WORK WITHIN VARIOUS PARTS OF THE CITY/COUNTY ARE LISTED BELOW AS AN INITIAL AID TO THE ENGINEER. PLEASE VERIFY LOCAL UTILITIES IN THE VICINITY OF THE SITE AND INCLUDE THEIR CONTACT INFORMATION ON THE PLANS ACCORDING TO THE FOLLOWING FORMAT:

SEWER:
ALBEMARLE COUNTY SERVICE AUTHORITY
168 SPOTNAP ROAD
CHARLOTTESVILLE, VA 22911
PHONE: (434) 977-4511

GAS SERVICE:
CHARLOTTESVILLE GAS
CONTACT: IRENE PETERSON
EMERGENCY: (434) 970-3812

WATER:
ALBEMARLE COUNTY SERVICE AUTHORITY
168 SPOTNAP ROAD
CHARLOTTESVILLE, VA 22911
PHONE: (434) 977-4511

ELECTRIC:
DOMINION VIRGINIA POWER
CONTACT: KELVIN PARKER
EMERGENCY: (434) 972-6738

STORMWATER:
ALBEMARLE COUNTY SERVICE AUTHORITY
168 SPOTNAP ROAD
CHARLOTTESVILLE, VA 22911
PHONE: (434) 977-4511

COMMUNICATIONS:
EMBARQ/CENTURYLINK
CUSTOMER SERVICE: (434) 974-6928

ZONING:
ALBEMARLE COUNTY ZONING
401 MCINTIRE ROAD
CHARLOTTESVILLE, VA 22902
PHONE: (434) 296-5832

PROPERTY DATA:

PARCEL OWNER:	FIRST GOLD LEAF AND TRUST
TM:	45-111C
PARCEL ID:	04500-00-00-111C0
ADDRESS:	GANDER DRIVE CHARLOTTESVILLE, VA 22901
PROPERTY AREA:	49,546.90 SQ. FT. (1.14 AC.)
ZONING:	HIGHWAY COMMERCIAL (HC)
ADDITIONAL ZONING OVERLAYS:	ENTRANCE CORRIDOR DISTRICT AIRPORT IMPACT AREA
EXISTING USE:	UNDEVELOPED VACANT LOT
PROPOSED USE:	MOTOR VEHICLE SERVICE AND MAINTENANCE
FLOODPLAIN:	ENTIRE SITE IS IN ZONE X - AREA OF MINIMAL FLOOD HAZARD FEMA MAP NUMBER: 51003C0279D, EFFECTIVE 02-04-2005
DISTANCE FROM PROPOSED INGRESS/EGRESS TO NEAREST STREET INTERSERCTION	APPROXIMATELY 418 FT. ALONG GANDER DR. CENTERLINE

	REQUIRED	PROPOSED
BUILDING SETBACKS/REQUIREMENTS		
FRONT (MINIMUM)*:	10' FROM THE R.O.W. OR THE EXTERIOR EDGE OF THE SIDEWALK IF THE SIDEWALK IS OUTSIDE OF THE R.O.W.	89.80'
FRONT (MAXIMUM)*:	NONE, ON ANY LOT, INCLUDING A CORNER LOT, ABUTTING A PRINCIPAL ARTERIAL HIGHWAY OR INTERSTATE	
SIDE:	NONE	51.53' - 123.78'
BACK:	NONE	82.50'
*FRONT SETBACK APPLIES FOR BOTH ROUTE 29 AND GANDER DRIVE		
MAXIMUM BUILDING HEIGHT:	65'	28.9'
MAXIMUM SQ FT COMMERCIAL USE:		22,533.90 SF (LEASE AREA)
BUILDING AREA:		3,776 SF GROSS
PROPOSED LAND COVER		
BUILDING FOOTPRINT:		2080 SF (0.05 AC) (4%)
IMPERVIOUS:		22,696 SF (0.52 AC) (46%)
OPEN SPACE:		24,771 SF (0.57 AC) (50%)
PARKING SETBACKS/REQUIREMENTS		
FRONT:	10'	14'
SIDE:	0'	27.7' - 22'
REAR:	0'	31.6'
STALL DIMENSIONS:	10' X 18'	10' X 18'
PARKING CALCULATION:		
TOTAL PARKING SPACES:	12*	12
ADA PARKING SPACES:	1	1

*AUTOMOBILE SERVICE STATION: ONE SPACE PER EACH EMPLOYEE PLUS TWO SPACES PER EACH SERVICE STALL
EMPLOYEES: 6
SERVICE STALLS: 3

(1 * 6 EMPLOYEES) + (2 * 3 SERVICE STALLS) = 12 PARKING STALLS

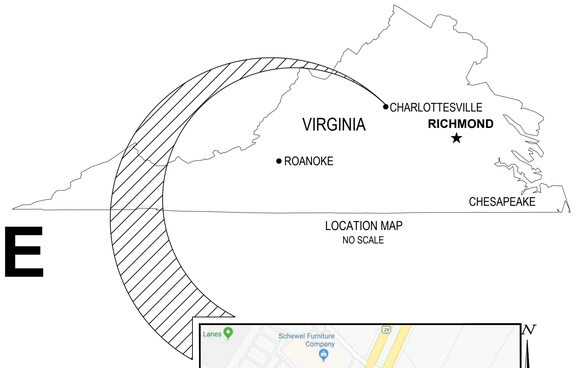
CITY OF CHARLOTTESVILLE
RIO MAGISTERIAL DISTRICT
ALBEMARLE COUNTY, VIRGINIA
PRIVATE SITE IMPROVEMENT PLANS
FOR
VALVOLINE INSTANT OIL CHANGE
CHARLOTTESVILLE, VA 22901
MARCH 2020

SIGNATURE BLOCK

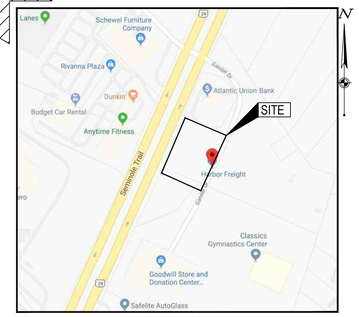
DEVELOPMENT PLANNER	DATE
DEVELOPMENT ENGINEER	DATE
ALBEMARLE COUNTY SERVICE AUTHORITY	DATE
ALBEMARLE FIRE RESCUE	DATE
ARCHITECTURAL REVIEW BOARD	DATE
ALBEMARLE BUILDING OFFICIAL	DATE
VIRGINIA DEPT OF TRANSPORTATION	DATE

SHEET LIST TABLE

CIVIL	DESCRIPTION
C1.0	TITLE
C2.0	EX. CONDITIONS & DEMOLITION PLAN
C3.0	SITE PLAN
C4.0	GRADING PLAN
C5.0	EXISTING DRAINAGE
C5.1	PROPOSED DRAINAGE PLAN
C5.2	STORM SEWER PROFILE
C5.3	DRAINAGE DETAILS
C5.4	DRAINAGE DETAILS
C6.0	UTILITY PLAN
C6.1	UTILITY PLAN DETAILS
C7.0	CONSTRUCTION DETAILS
C7.1	CONSTRUCTION DETAILS
C8.0	PHOTOMETRIC PLAN
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE PLAN
L2.0	IRRIGATION PLAN
TOTAL NUMBER OF SHEETS: 17	



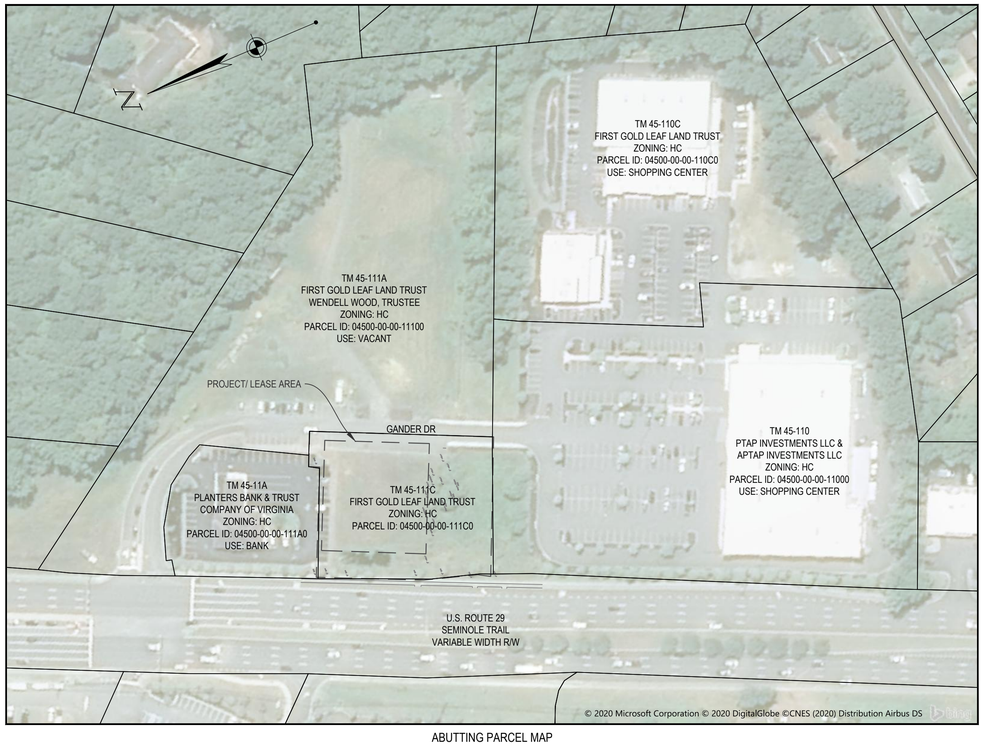
LOCATION MAP
NO SCALE



VICINITY MAP
NTS

ALBEMARLE COUNTY GENERAL CONSTRUCTION NOTES

1. PRIOR TO ANY CONSTRUCTION WITHIN ANY EXISTING PUBLIC RIGHT-OF-WAY, INCLUDING CONNECTION TO ANY EXISTING ROAD, A PERMIT SHALL BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT). THIS PLAN AS DRAWN MAY NOT ACCURATELY REFLECT THE REQUIREMENTS OF THE PERMIT. WHERE ANY DISCREPANCIES OCCUR THE REQUIREMENTS OF THE PERMIT SHALL GOVERN.
2. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO CURRENT SPECIFICATIONS AND STANDARDS OF VDOT UNLESS OTHERWISE NOTED.
3. EROSION AND SILTATION CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN AND SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING OR OTHER CONSTRUCTION.
4. ALL SLOPES AND DISTURBED AREAS ARE TO BE FERTILIZED, SEEDED AND MULCHED.
5. THE MAXIMUM ALLOWABLE SLOPE IS 2:1 (HORIZONTAL:VERTICAL), WHERE REASONABLY OBTAINABLE, LESSER SLOPES OF 3:1 OR BETTER ARE TO BE ACHIEVED.
6. PAVED, RIP-RAP OR STABILIZATION MAT LINED DITCH MAY BE REQUIRED WHEN IN THE OPINION OF THE COUNTY ENGINEER, OR DESIGNEE, IT IS DEEMED NECESSARY IN ORDER TO STABILIZE A DRAINAGE CHANNEL.
7. ALL TRAFFIC CONTROL SIGNS SHALL CONFORM WITH THE VIRGINIA MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES.
8. UNLESS OTHERWISE NOTED ALL CONCRETE PIPE SHALL BE REINFORCED CONCRETE PIPE - CLASS III.
9. ALL EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).



ABUTTING PARCEL MAP
1" = 100'

PHASE I (SDP2006-61) OVERALL PARKING

	PHASE I BLDG SUMMARY	CHANGE	REVISED BLDG SUMMARY
RETAIL USE (S.F.)	1025	-10250	0
BANK USE (S.F.)	3090		3090
FOOD USE (S.F.)	5000	-5000	0
OFFICE USE (S.F.)	65650	-15250	50400
GROSS FLOOR (S.F.)	83990		53490
GROSS LEASABLE AREA (80%) (S.F.)	67192		42792
REQUIRED PARKING STALLS PER 1000 S.F.	4.75		5.00
REQUIRED PARKING STALLS	320		204
VIOC REQUIRED PARKING STALLS			12
TOTAL REQUIRED PARKING STALLS	320		216
PARKING STALLS PROVIDED	322 (7 HC)	-5*	317 (6 HC)

* 15 PARKING STALLS REMOVED AND 10 PARKING SPOTS ADDED FOR A NET CHANGE OF (-5) STALLS FROM APPROVED SITE PLAN SDP2006-61

SURVEY PROVIDED BY:
U.S. SURVEYOR
4929 RIVERWIND POINTE DRIVE
EVANSVILLE, IN 47715
CONTACT: MICHAEL FELDBUSCH
PHONE: 1-(800)-867-8783 EXT. 208
MFELDBUSCH@USSURVEYOR.COM

CESO PROVIDES NO GUARANTEE TO THE ACCURACY OF THE SURVEY PROVIDED BY U.S. SURVEYOR. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION.

BENCHMARK

	ELEVATION*	DESCRIPTION
BM #1	459.30'	NW CORNER OF PARCEL B
BM #2	456.52'	SE CORNER OF PARCEL B

* VERTICAL DATUM: NAVD88
** SOURCE OF TOPOGRAPHY: U.S. SURVEYOR

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FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

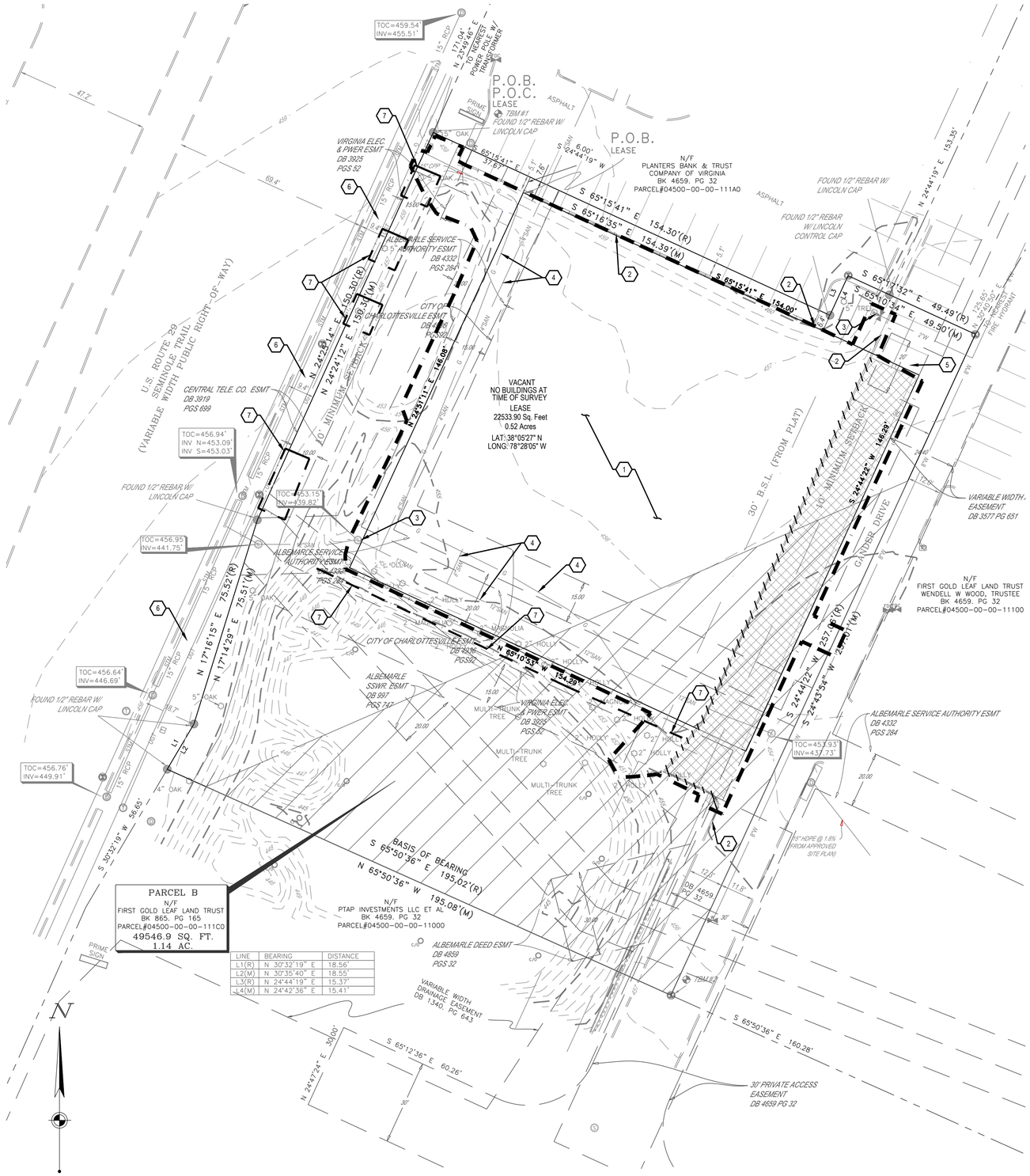
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402007755
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	TITLE
Drawing No.	C1.0

I:\CESO\NC\LOCAL\ROOT\DATA\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\03-CIVIL\PLANS\PLOT SHEETS\C1.0 TITLE.DWG - 6/11/2020 10:27 AM



DEMOLITION PLAN GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE LOCAL JURISDICTION, AND ALL UTILITY PROVIDERS LOCATED ON-SITE AND IN THE RIGHT OF WAY.
2. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK PER LOCAL PROJECT SPECIFICATIONS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL STATE/LOCAL ONE CALL AND CONTACT ALL UTILITY COMPANIES TO SCHEDULE UTILITY SERVICE REMOVAL AND/OR ABANDONMENT. ALL UTILITIES SHALL BE REMOVED AND/OR RELOCATED PER THE SPECIFICATIONS OF THE UTILITY COMPANIES. THE CONTRACTOR IS RESPONSIBLE TO PAY ALL FEES AND CHARGES ASSOCIATED WITH THIS WORK.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION REGULATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL AND DISPOSAL, IN A LOCATION APPROVED BY THE GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FOUNDATIONS, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL AS SPECIFIED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOB SITE SAFETY PER OSHA REQUIREMENTS. AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION, CONTRACTOR SHALL PROVIDE SAFETY RAILINGS AT ALL AREAS WHERE FALL PROTECTION IS REQUIRED.
7. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
8. SAW-CUT AND REMOVE TO FULL DEPTH AT ALL PAVEMENT/SIDEWALK LIMITS OR TO EXISTING JOINTS.
9. CONTRACTOR SHALL MAINTAIN A WELL-DRAINED SITE, FREE OF STANDING WATER DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DRAINAGE MEASURES DURING CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP UNAUTHORIZED PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT.
11. EXTENT OF DEMOLITION WORK IS NOT LIMITED TO WHAT IS SHOWN TO BE DEMOLISHED ON THIS PLAN. DEMOLITION WORK MUST BE COMPLETE SO THE PROPOSED STRUCTURES AND APPURTENANCES CAN BE CONSTRUCTED.
12. ALL POTENTIALLY HAZARDOUS/TOXIC MATERIALS MUST BE REMOVED FROM THE SITE PRIOR TO DEMOLITION, AND PER DIRECTION OF THE ENVIRONMENTAL ENGINEER.
13. FEDERAL, STATE AND LOCAL CODE REQUIREMENTS SHALL CONTROL THE DISPOSAL OF DEBRIS RESULTING FROM THE REMOVAL OPERATION.
14. ALL MATERIALS AND STRUCTURES DESIGNATED AS "TO BE REMOVED" SHALL BE DISPOSED OF OFF SITE AND AT THE COST OF THE CONTRACTOR.
15. DEAD SEWER CONNECTIONS OR MAINS BEING REMOVED SHALL BE REMOVED TO THE RIGHT-OF-WAY (UNLESS PLANS OR UTILITY OWNER SPECIFY OTHERWISE) AND SEALED AND MADE WATERTIGHT.
16. ALL TRENCHES, HOLES AND PITS RESULTING FROM THE REMOVAL AND ABANDONMENT OF ANY STRUCTURE OR OBSTRUCTION SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
17. THE CONTRACTOR SHALL STRIP AND REMOVE (OR STOCKPILE) ALL TOPSOIL PRIOR TO COMMENCING WITH ANY EXCAVATION OR DEMOLITION.

CODED NOTES:

1. STRIP GROUND COVER AND TOPSOIL, AS NECESSARY.
2. PROTECT EXISTING CURB TO REMAIN.
3. PROTECT EXISTING UTILITY STRUCTURE TO REMAIN.
4. PROTECT EXISTING UTILITY LINES TO REMAIN.
5. PARKING SPACE TO REMAIN.
6. EXISTING SIDEWALK
7. TREE PROTECTION. VERIFY LOCATION WITH OWNER'S REPRESENTATIVE ON-SITE. SEE LANDSCAPE PLAN FOR DETAILS.

LEGEND

EXISTING FEATURES LEGEND

APPLIES TO ALL CIVIL SHEETS

- R/W — RIGHT OF WAY LINE
- PARCEL LINE
- SUBJECT PROPERTY BOUNDARY LINE
- EASEMENT LINE
- CURB
- EDGE OF PAVEMENT
- EDGE OF WALK
- PAVEMENT MARKINGS
- STM — STORM SEWER
- SAN — SANITARY SEWER
- W — WATER LINE
- G — GAS LINE
- OHE — OVHD ELECTRIC LINE
- UGE — UGND ELECTRIC LINE
- UGT — UGND TELECOMM LINE
- 102 — MAJOR CONTOUR
- 102 — MINOR CONTOUR
- GUARD RAIL
- NO BUILD AREA

- MONUMENT FOUND
- MAG NAIL FOUND
- BENCHMARK
- WATER VALVE
- WATER METER
- HYDRANT
- FIRE DEPARTMENT CONNECTION
- CLEAN OUT
- STORM DRAIN MANHOLE
- SEWER MANHOLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELECOMMUNICATIONS PEDESTAL

PROPOSED

- REMOVE AND DISPOSE OF EXISTING PAVEMENT, SIDEWALK, AND BASE MATERIALS
- REMOVE AND DISPOSE OF EXISTING CURB
- LIMITS OF DISTURBANCE

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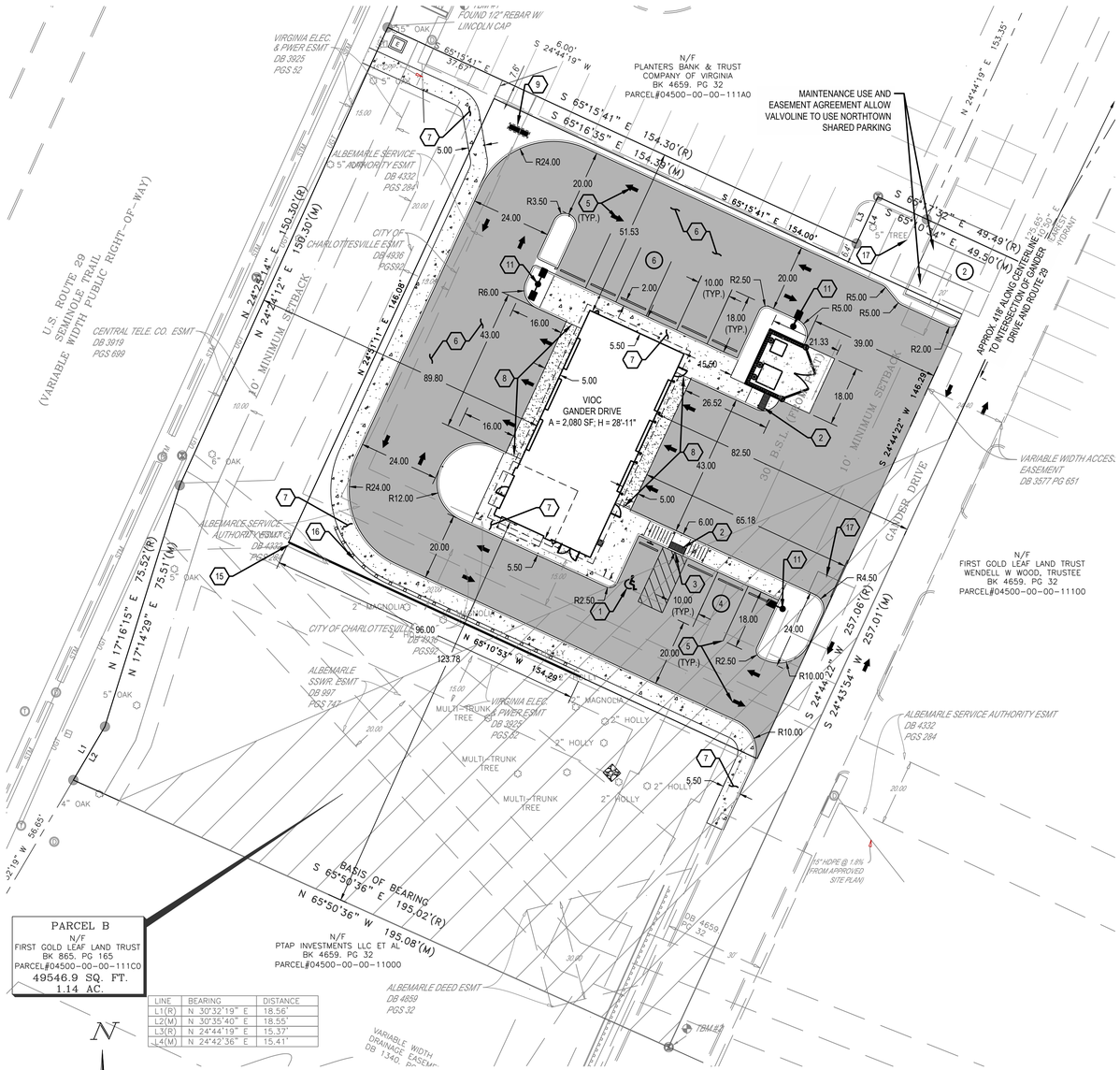
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
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PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	EX. CONDITIONS & DEMOLITION PLAN
Drawing No.	C2.0

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SITE PLAN GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL HEALTH AND SAFETY STANDARDS, INCLUDING BUT NOT LIMITED TO O.S.H.A. STANDARDS.
2. THE CONTRACTOR SHALL OBTAIN FINAL APPROVALS/PERMITTING AND INSPECTION AS NECESSARY PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR LOCATIONS AND DIMENSIONS OF DUMPSTER ENCLOSURE, BUILDING DIMENSIONS, BUILDING UTILITY ENTRANCE LOCATIONS AND SITE LIGHTING ELECTRICAL LAYOUT.
4. REFER TO CONSTRUCTION DETAILS / GEOTECHNICAL REPORT FOR PAVEMENT SECTION RECOMMENDATIONS.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STATE SUPPLEMENT TO THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
6. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP UNAUTHORIZED PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOB SITE SAFETY PER OSHA REQUIREMENTS. AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION, CONTRACTOR SHALL PROVIDE SAFETY RAILINGS AT ALL AREAS WHERE FALL PROTECTION IS REQUIRED.
8. ALL SIGNAGE SHALL COMPLY WITH THE STATE SUPPLEMENT TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. ALL PAVEMENT MARKINGS AND STRIPING SHALL COMPLY WITH THE STATE DOT AND THE STATE SUPPLEMENT TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
   a. LANE LINE: 6" WHITE
   b. PARKING STALLS: 4" WHITE
   c. STOP LINE: 24" WHITE
   d. CROSSWALKS: TRANSVERSE LINES WITH DIAGONAL MARKINGS (GAP BETWEEN TRANSVERSE LINES SHALL BE 4') ALL PAINTED WHITE.
   e. HANDICAPPED STALLS: 4" YELLOW OUTLINE, WITH 4" BLUE INTERIOR AND BLUE HANDICAPPED SYMBOLS
10. BOLLARDS SHALL BE PLACED TO PROTECT GAS METER, ELECTRICAL AND TELEPHONE EQUIPMENT, AND DUMPSTER ENCLOSURE.
11. ALL LIGHT POLES TO BE LOCATED 2' FROM BACK OF CURB AS MEASURED FROM THE FACE OF POLE FOUNDATIONS, UNLESS OTHERWISE NOTED ON PLANS.
12. ANY SIDEWALK, EXISTING CURB, OR PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED.
13. PROPOSED CURB TO BE 6" HIGH UNLESS OTHERWISE NOTED.
14. HANDICAP REQUIREMENTS SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. DEVELOPMENT SHALL BE IN ACCORDANCE WITH FEDERAL AND LOCAL REQUIREMENTS FOR HANDICAP ACCESSIBILITY, INCLUDING BUT NOT LIMITED TO THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.
15. PRIOR TO FINAL ACCEPTANCE OF STORE BY OWNER, THE SITE SHALL BE CLEAN OF ALL DEBRIS AND TRASH.
16. ALL CURB RADII TO BE 5', UNLESS OTHERWISE NOTED ON PLAN.
17. KNOX BOX FOR FIRE ACCESS REQUIRED FOR BUILDING. LOCATION TO BE COORDINATED WITH FIRE MARSHAL'S OFFICE.

LEGEND

EXISTING

REFER TO EX. CONDITIONS AND DEMOLITION PLAN SHEET FOR EXISTING FEATURES LEGEND

PROPOSED

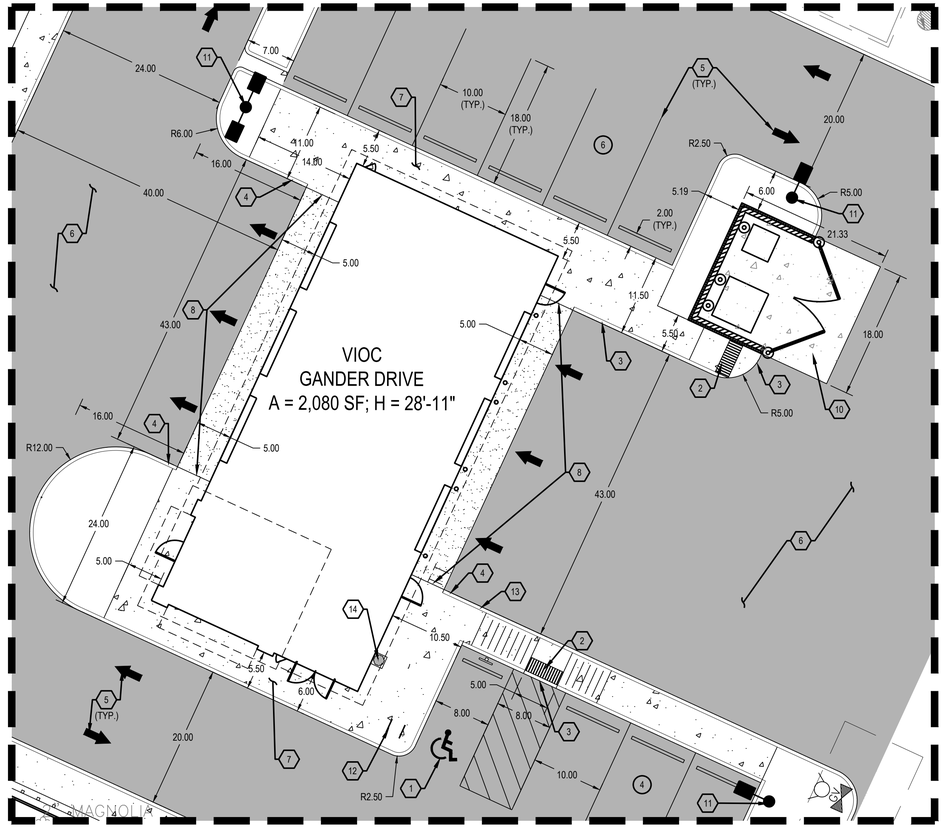
- BUILDING
- CONCRETE CURB
- PAVEMENT/WALK
- CONCRETE
- CONCRETE PAVEMENT WITH BLACK COLORTOP SEALANT
- ASPHALT PAVEMENT
- (7) PARKING SPACE COUNT
- DETECTABLE WARNING MAT.
- LIGHT POLE
- CONCRETE BUMPER BLOCK

CODED NOTES:

1. ADA ACCESSIBLE PARKING SPACE WITH SIGNAGE AND PAVEMENT MARKINGS. REFER TO CONSTRUCTION DETAILS.
2. ADA ACCESSIBLE RAMP WITH DETECTIBLE WARNING. REFER TO CONSTRUCTION DETAILS.
3. FLUSH CURB
4. TRANSITION CURB FROM FLUSH TO FULL HEIGHT IN 10'
5. PROPOSED PAVEMENT MARKINGS.
6. ASPHALT PAVEMENT, PER CONSTRUCTION DETAILS
7. CONCRETE WALK, PER CONSTRUCTION DETAILS
8. CONCRETE PAVEMENT WITH BLACK COLORTOP SEALANT, PER CONSTRUCTION DETAILS.
9. PROPOSED MONUMENT SIGN, PER SIGNAGE PLAN. GENERAL CONTRACTOR TO PROVIDE ENTIRE BASE FOR MONUMENT SIGN.
10. DUMPSTER ENCLOSURE & CONCRETE PAD. REFER TO ARCHITECTURAL PLANS FOR PAVEMENT AND ENCLOSURE DETAILS.
11. LIGHT POLE BASE, PER UTILITY DETAILS.
12. PROPOSED BIKE RACK, PER CONSTRUCTION DETAILS.
13. GENERAL CONTRACTOR TO PROVIDE CONDUIT FOR BELL RINGER. CONDUIT TO BE INSTALLED UNDER CONCRETE SIDEWALK, ADJACENT TO BUILDING, AND STUB OUT OF CONCRETE CURB. REFER TO ARCHITECTURAL PLAN, A3.2, FOR ADDITIONAL INFORMATION.
14. CONDENSING UNIT. REFER TO MECHANICAL PLANS.
15. REDI-ROCK RETAINING WALL OR EQUAL. RETAINING WALL TO HAVE SIMILAR FACADE AS OTHER RETAINING WALLS NEAR PROJECT SITE. SEE DETAILS FOR TYPICAL SECTION. SEE GRADING PLAN FOR ELEVATIONS. HEIGHT VARIES (MAXIMUM HEIGHT OF 4.5'.)
16. GUARDRAIL PER VDOT STANDARD DETAIL GR-2.
17. PROPOSED UTILITY EASEMENT. SEE UTILITY PLAN

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ENLARGED PLAN: ACCESSIBLE PARKING AREA
1" = 10'

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Valvoline — Backstreet Gift Champion

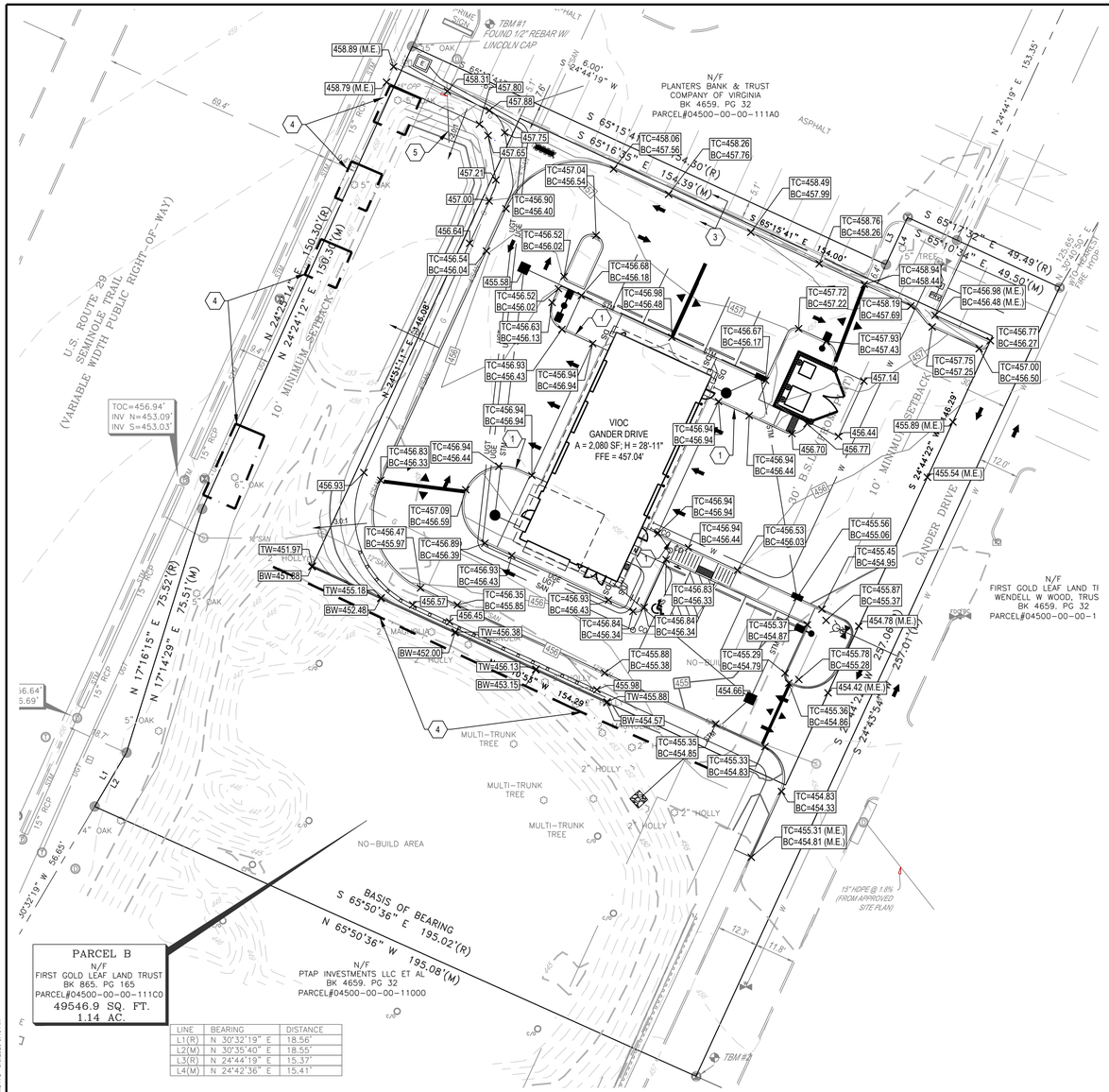
VALVOLINE INSTANT OIL CHANGE
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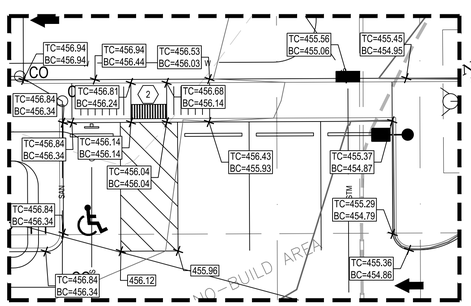
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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402017275
PROFESSIONAL ENGINEER
06/16/2020

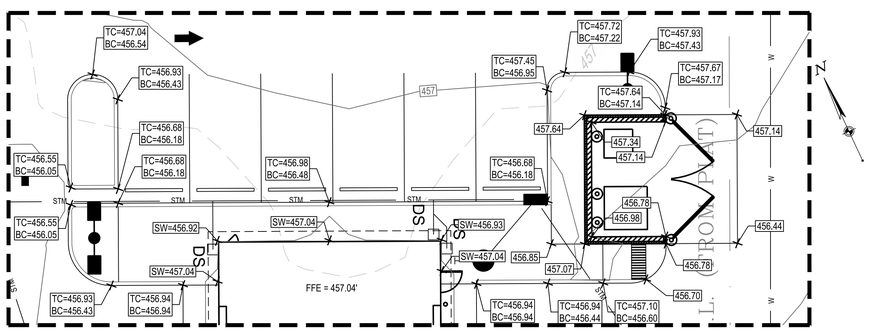
Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	SITE PLAN
Drawing No.	C3.0

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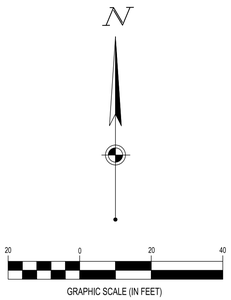




ENLARGED PLAN: SOUTH PARKING AREA
1" = 10'

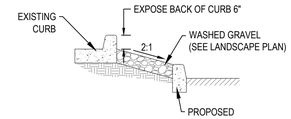


ENLARGED PLAN: NORTH PARKING AREA & TRASH ENCLOSURE
1" = 10'



CODED NOTES:

1. TRANSITION CURB FROM FLUSH TO FULL HEIGHT IN 10' (UNLESS TAPER LENGTH NOTED IN PLAN)
2. ADA ACCESSIBLE RAMP WITH DETECTABLE WARNING. REFER TO CONSTRUCTION DETAILS
3. TRANSITION FROM EXISTING CURB TO BACK OF CURB. SEE DETAIL THIS SHEET.
4. TREE PROTECTION. VERIFY LOCATION WITH OWNER'S REPRESENTATIVE ON-SITE. SEE LANDSCAPE PLAN FOR DETAILS.
5. EXTEND 15" CPP OUTLET AS REQUIRED TO MAINTAIN DRAINAGE FROM STRUCTURE. CONTRACTOR TO MAINTAIN EXISTING PIPE SLOPE AND ENSURE NO SAGS FORM IN OUTLET



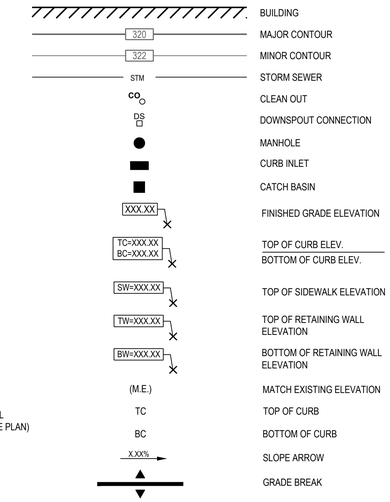
EXISTING CURB TO PROPOSED CURB TRANSITION
N.T.S.

LEGEND

EXISTING

REFER TO EX. CONDITIONS AND DEMOLITION PLAN SHEET FOR EXISTING LEGEND ITEMS

PROPOSED



GRADING PLAN NOTES:

1. ONLY VIRGIN MATERIALS SHALL BE USED UNLESS APPROVED IN WRITING BY A VALVOLINE INSTANT OIL CHANGE REPRESENTATIVE.
2. ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS SHALL COMPLY WITH LOCAL MUNICIPALITY, LOCAL COUNTY, AND STATE DEPARTMENT OF TRANSPORTATION MATERIAL AND CONSTRUCTION SPECIFICATIONS.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE STATE ONE CALL SYSTEM AT LEAST THREE (3) WORKING DAYS BEFORE START OF WORK AND VERIFY ALL EXISTING UTILITY LOCATIONS.
4. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
5. THE CONTRACTOR SHALL COMPACT PIPE BACKFILL IN MAX. 6" LOOSE LIFTS TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D1557, ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE USED IN AREAS OF ROCK EXCAVATION.
6. CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC., AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING/CANOPY STUB-OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
7. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING.
8. MANHOLE RIMS AND STORM INLET GRATES SHALL BE SET TO ELEVATIONS SHOWN. SET ALL EXISTING MANHOLE FRAMES AND COVERS, STORM INLET GRATES, VALVE BOXES, ETC., TO BE RAISED OR LOWERED, TO PROPOSED FINISHED GRADE, FLUSH WITH THE ADJACENT GRADE.
9. UNDERDRAINS MAY BE ADDED, IF DETERMINED NECESSARY BY THE ENGINEER OR CONSTRUCTION MANAGER, AFTER SUBGRADE IS ROUGH GRADED.
10. ALL EXISTING TOPOGRAPHICAL FEATURES (SPOT ELEVATIONS, CONTOURS, INVERTS, ETC.) CAN HAVE A TOLERANCE DIFFERENCE OF 6"+/- DEPENDING ON FIELD CONDITIONS AT THE TIME OF THE FIELD SURVEY. CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHICAL FEATURES PRIOR TO CONSTRUCTION, AND ADVISE OWNER OF ANY DISCREPANCIES.
11. THE CONTRACTOR SHALL RESTORE ANY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, ETC. DISTURBED DURING CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER.
12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF MATERIALS AND STRUCTURES TO THE CONSTRUCTION MANAGER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
13. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION AND SEDIMENTATION PLAN FOR LIMIT OF DISTURBANCE AND NOTES.
14. THE CONTRACTOR SHALL COMPACT FILL UNDER ALL PARKING, BUILDING, AND DRIVE AREAS AS DIRECTED BY THE GEOTECHNICAL REPORT AND/OR GEOTECHNICAL ENGINEER.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL RUBBISH, TRASH, DEBRIS, AND ORGANIC MATERIAL IN A LAWFUL MANNER.
16. THE CONTRACTOR SHALL BE ADVISED THAT ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THAT IT SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, AND MATERIALS OF CONSTRUCTION TO COMPLETE CONSTRUCTION AS DESIGNED. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFF SITE DISPOSAL OF ANY AND ALL EXCESS OR UNSUITABLE MATERIAL UNABLE TO BE PLACED ON SITE AND THE IMPORTATION OF ANY BORROW MATERIAL NECESSARY TO COMPLETE THE JOB.
17. ALL EXCAVATION AND GRADING CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT.
18. SITE GRADING SHALL BE PERFORMED TO PROVIDE POSITIVE DRAINAGE TO STORM INLETS AND TO PRECLUDE THE PONDING OF WATER ON SITE.
19. VERIFY REQUIRED SPOT ELEVATIONS/GRADING IN THE VICINITY OF THE BUILDINGS WITH THE ARCHITECTURAL PLANS.
20. ALL ACCESSIBLE PARKING SPACES TO HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
21. ALL SIDEWALKS, PATIO AREAS, AND ACCESSIBLE ROUTES TO THE BUILDING ARE TO HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM LONGITUDINAL SLOPE OF 5%, UNLESS IN AN APPROVED ADA RAMP.
22. CONTRACTOR TO FIELD VERIFY PROPOSED AND EXISTING GRADES, SLOPES, ETC., FOR PROPOSED ACCESSIBLE PARKING AREAS, RAMPS, ETC., WITH ARCHITECT, PRIOR TO CONSTRUCTION.
23. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE TAKEN FROM FIELD OBSERVATION, UTILITY MAPS, ETC., AND ARE NOT ASSUMED TO BE ACCURATE. PRIOR TO ANY CONSTRUCTION ACTIVITIES, CONTRACTOR TO DIG TEST PITS AT ALL PROPOSED UTILITY CROSSINGS, TO VERIFY LOCATION, DEPTH, SIZE, ETC. OF EXISTING UNDERGROUND UTILITIES, AND CONFIRM NEW UTILITY LINES CAN BE INSTALLED AS PROPOSED. ADVISE VALVOLINE CONSTRUCTION MANAGER IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES.

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FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

Valvoline Instant Oil Change

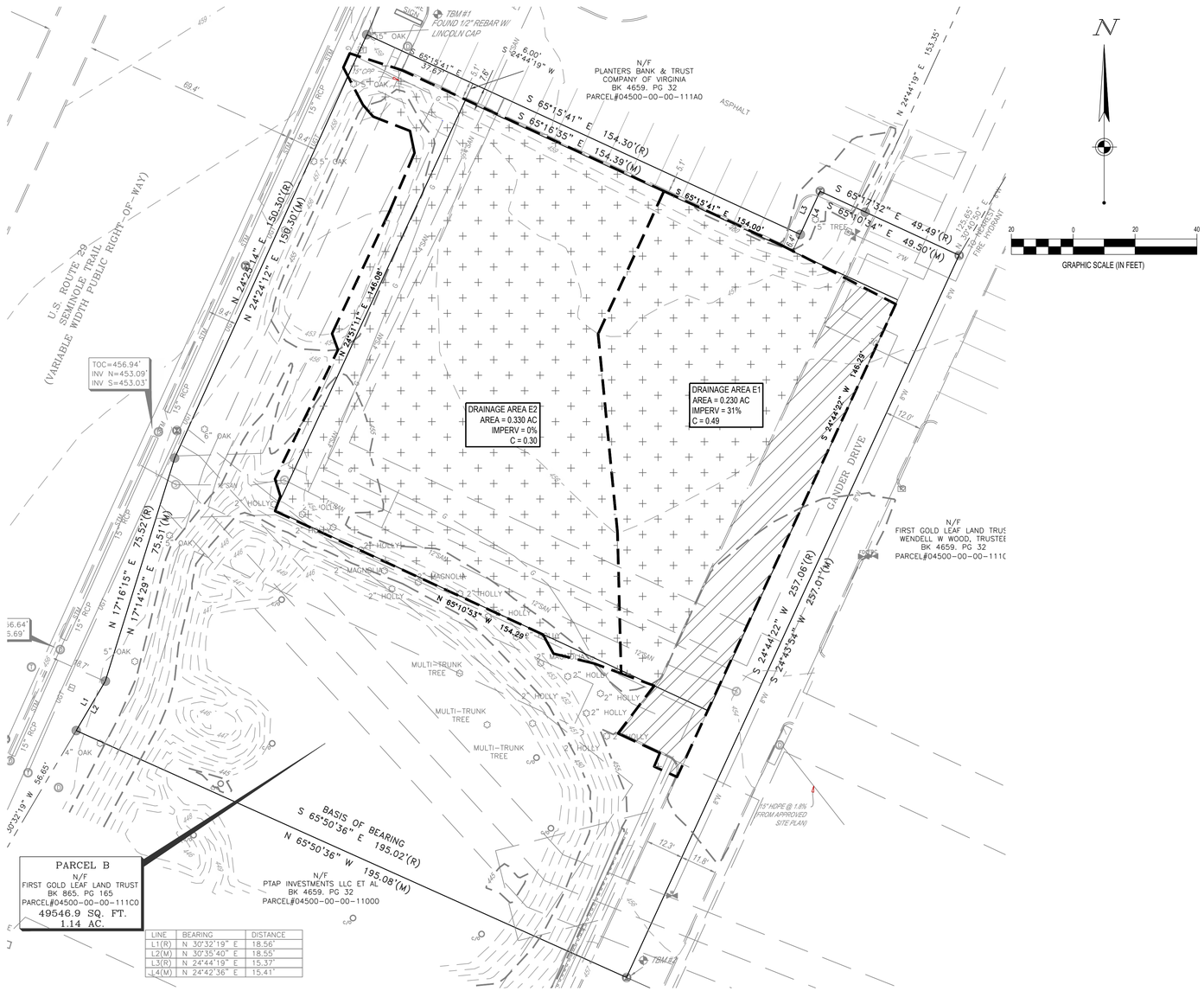
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402020176
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	NET
Checked	TJV
Date	03.06.20
Drawing Title	GRADING PLAN
Drawing No.	C4.0

\\DESKINC.LOCAL\ROOT\DATA\PROJECTS\VALVOLINE\757280 CHARLOTTESVILLE VA (GANDER RD)\03-CIVIL\PLANS\PLOT SHEETS\C5.0 GRADING PLAN.DWG, 3/6/2020 9:45 AM



LINE	BEARING	DISTANCE
L1(R)	N 30°32'19" E	18.56'
L2(M)	N 30°35'40" E	18.55'
L3(R)	N 24°44'19" E	15.37'
L4(M)	N 24°42'36" E	15.41'

RUNOFF COEFFICIENT (C) SUMMARY

DRAINAGE AREA	LEGEND	DESCRIPTION	COVER	AREA (SQ. FT.)	AREA (ACRES)	RUNOFF COEFF. (C)
E1		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	6,909	0.159	0.30
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	3,098	0.071	0.90
			TOTAL AREA	10,007	0.230	
					COMPOSITE C	0.49
E2		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	14,382	0.330	0.30
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	0	0.000	0.90
			TOTAL AREA	14,382	0.330	
					COMPOSITE C	0.30

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EXISTING DRAINAGE OVERLAND RUNOFF - (2 & 10-YR STORM) PROJECT: VALVOLINE INSTANT OIL CHANGE - CHARLOTTESVILLE, VA

Drainage Area	Description	Total Area (Acres)	T_c	2-Yr Rainfall Intensity	10-Yr Rainfall Intensity	Composite Runoff Coeff	Runoff Q (2 Yr)	Runoff Q (10 Yr)
E1	Overland runoff to Gander Drive	0.23	5.00	5.04	6.54	0.49	0.57	0.74
E2	Overland runoff to existing BMP facilities	0.33	5.00	5.04	6.54	0.30	0.50	0.65

**Mininum Tc of 5.0 minutes*

*** i = B / (Tc + D)^E. B, D, E factors according to VDOT Drainage Manual App 6C-2*

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FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

LEGEND

EXISTING

REFER TO EX. CONDITIONS AND DEMOLITION PLAN SHEET FOR EXISTING LEGEND ITEMS

DRAINAGE BOUNDARY

FLOW ARROW

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3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
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1	OWNER REVIEW SET	02.24.20

Valvoline Instant Oil Change

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
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06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	NET
Checked	TJV
Date	03.06.20

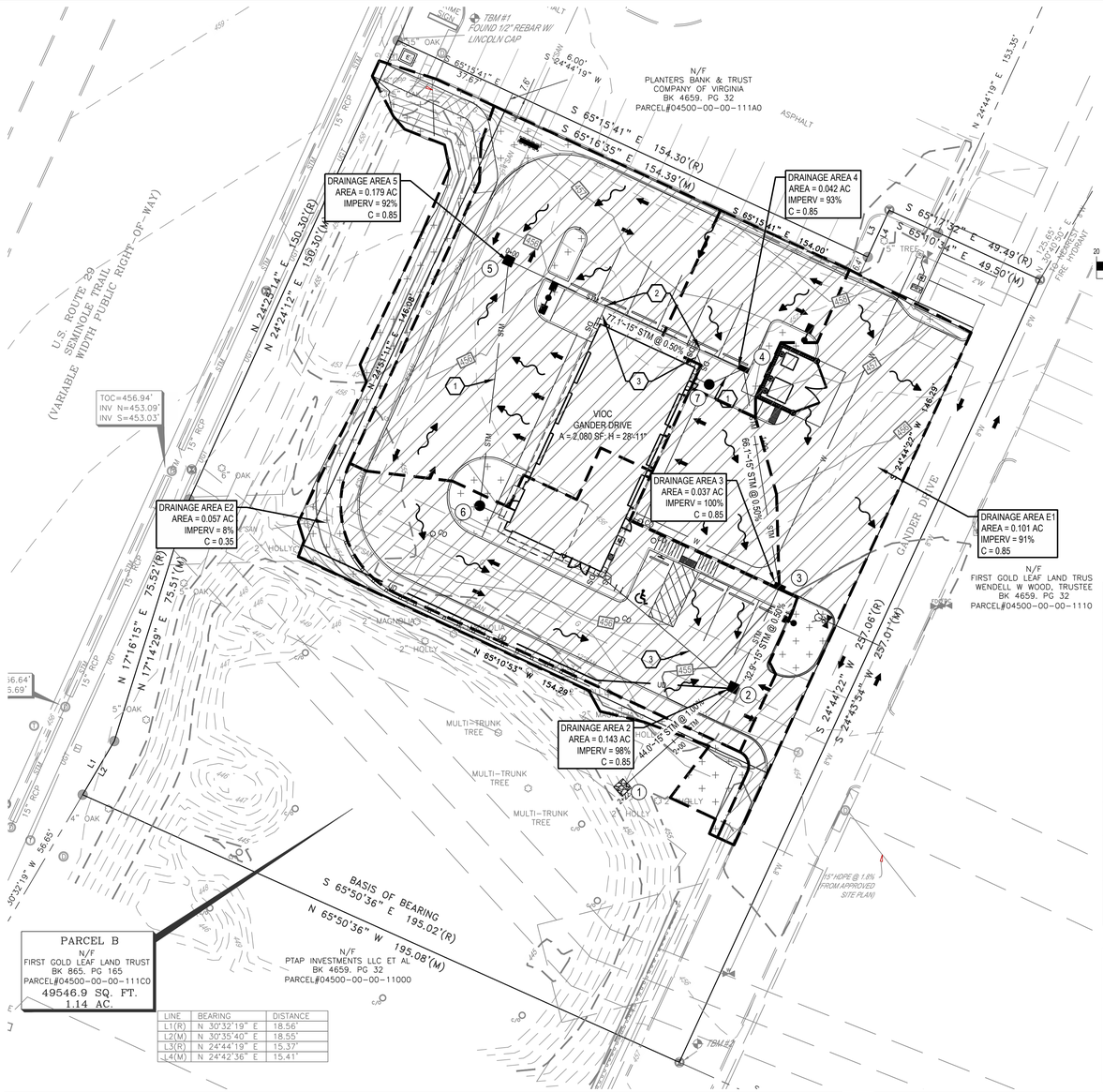
Drawing Title

EXISTING DRAINAGE

Drawing No.

C5.0

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CODED NOTES:

1. 4" SUMP PUMP DISCHARGE PIPE
2. 6" SADDLE CONNECTION OR WYE
3. 6" DOWNSPOUT PIPE

STORM SEWER NOTES:

1. ALL STORM SEWER PIPES SHALL BE MANUFACTURED WITH INTEGRAL BELL AND SPIGOT JOINTS INCLUDING A GASKET, SO AS TO PROVIDE A WATERTIGHT SEAL.
2. ALL STORM SEWER PIPES LESS THAN 12" DIAMETER SHALL BE PVC SDR 35 WATERTIGHT PIPE CONFORMING TO ASTM SPECIFICATION D3034, UNLESS DENOTED OTHERWISE ON PLANS.
3. CONNECTIONS TO STRUCTURES SHALL BE MADE WATERTIGHT WITH NON-SHRINKIING AND NON-CORROSIVE GROUT.
4. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
   REINFORCED CONCRETE PIPE (RCP)(PER ASTM C-76 CLASS IV)
   POLYVINYL CHLORIDE (PVC SDR 35)
   HIGH DENSITY POLYETHYLENE PIPE (HDPE)
5. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
6. CONCRETE COLLARS ARE TO BE INSTALLED AROUND ALL STORM STRUCTURES.
7. ALL MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE.
8. ALL DOWNSPOUT DRAINS ARE TO HAVE A 1.00% MINIMUM SLOPE UNLESS OTHERWISE NOTED.
9. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
10. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

LEGEND

EXISTING

REFER TO EX. CONDITIONS AND DEMOLITION PLAN SHEET FOR EXISTING LEGEND ITEMS

PROPOSED

- DRAINAGE BOUNDARY
- 320 — MAJOR CONTOUR
- 322 — MINOR CONTOUR
- STM — STORM SEWER
- UD — 4" PERFORATED UNDER DRAIN
- CO — CLEAN OUT
- DS — DOWNSPOUT CONNECTION
- MANHOLE
- CURB DROP INLET
- DROP INLET
- FLOW ARROW

STORM SEWER STRUCTURE SCHEDULE

NO.	STRUCTURE	GRATE	INVERT
1	FLARED END SECTION VDOT ES-1 W/ CLASS A1 RIPRAP (EC-1)		450.71 (15" RCP) NE
2	DROP INLET VDOT DI-1	454.66	451.25 (15" RCP) NE 451.90 (6" PVC) NW 451.15 (15" RCP) SW
3	CURB DROP INLET VDOT DI-2A	455.06	451.42 (15" RCP) SW 451.51 (15" RCP) N
4	CURB DROP INLET VDOT DI-2A W/ INLET SHAPING (IS-1)	456.20	451.94 (15" RCP) NW 453.20 (4" PVC) SW 451.84 (15" RCP) S
5	DROP INLET VDOT DI-1	455.58	453.25 (4" PVC) S 452.33 (15" RCP) SE
6	SUMP PUMP MANHOLE (SEE PLUMBING SHEETS P-1 & P-3)	457.06	453.98 (4" PVC) N
7	SUMP PUMP MANHOLE (SEE PLUMBING SHEETS P-1 & P-3)	456.91	453.31 (4" PVC) NE

STORM SEWER PIPE TABLE

PIPE RUN	SIZE & TYPE	LENGTH	SLOPE	INV. UP	INV. DOWN
5 TO 4	15" RCP	77.1'	0.50%	452.33	451.94
4 TO 3	15" RCP	66.1'	0.50%	451.84	451.51
3 TO 2	15" RCP	32.9'	0.50%	451.25	451.42
2 TO 1	15" RCP	44.0'	1.00%	451.15	450.71

STORM WATER COMPLIANCE

THIS DEVELOPEMNT MEETS STORMWATER REQUIREMENTS FOR QUALITY AND QUANTITY THROUGH APPROVED WPO 201300002 BIOFILTER AND VSMP AMENDMENT #1 TO WPO 200600050.

APPROVED IMPERVIOUS COVER: 20,875 SF
PROPOSED IMPERVIOUS COVER: 20,875 SF

MS-19 ANALYSIS PERFORMED AT DOWNSTREAM OUTFALLS TO ENSURE NO NEGATIVE IMPACTS FROM LAND DISTURBING ACTIVITIES AND THAT FACILITIES ARE ADEQUATE FOR PROPOSED DISCHARGES. (REFER TO WPO PLAN FOR EROSION AND SEDIMENT CONTROL SHEETS)

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EXIST VS PROPOSED DRAINAGE OVERLAND RUNOFF - (2 & 10-YR STORM)

PROJECT: VALVOLINE INSTANT OIL CHANGE - CHARLOTTESVILLE, VA

Drainage Area	Description	Total Area (Acres)	T_c	2-Yr Rainfall Intensity I (in/hr)	10-Yr Rainfall Intensity	Composite Runoff Coeff	Post Runoff Q (2 Yr)	Pre Runoff Q (2 Yr)	Post Runoff Q (10 Yr)	Pre Runoff Q (10 Yr)
E1	Overland runoff to Gander Drive	0.10	5.00	5.10	6.54	0.49	0.25	0.57	0.32	0.74
E2	Overland runoff to existing BMP facilities	0.06	5.00	5.10	6.54	0.30	0.09	0.50	0.11	0.65

**Mininum Tc of 5.0 minutes*
*** i = B / (Tc + D)^E. B, D, E factors according to VDOT Drainage Manual App 6C-2*

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PROPOSED STORM SEWER TO BMP - PROPOSED SITE DEVELOPMENT (10-YR STORM)

PROJECT: VALVOLINE INSTANT OIL CHANGE - CHARLOTTESVILLE, VA

FROM POINT	TO POINT	AREA DRAIN "A"	RUN-OFF COEF.	CA		INLET TIME	RAIN FALL	RUN-OFF Q	TOTAL Q
		ACRES	C	INCRE-MENTAL	ACCUM-ULATED	MIN-UTES	IN./HR.	C.F.S.	C.F.S.
5	4	0.18	0.85	0.15	0.15	5.00	6.54	1.00	1.00
4	3	0.04	0.85	0.04	0.19	5.44	6.40	1.20	1.20
3	2	0.04	0.85	0.03	0.22	5.80	6.29	1.38	1.38
2	1	0.14	0.85	0.12	0.34	5.97	6.24	2.13	2.13

**Mininum Tc of 5.0 minutes*
*** i = B / (Tc + D)^E. B, D, E factors according to VDOT Drainage Manual App 6C-2*

RUNOFF COEFFICIENT (C) SUMMARY

DRAINAGE AREA	LEGEND	DESCRIPTION	COVER	AREA (SQ. FT.)	AREA (ACRES)	RUNOFF COEFF. (C)
E1		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	376	0.008	
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	4,037	0.093	
			TOTAL AREA	4,413	0.101	
					COMPOSITE C	0.85*
E2		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	2,259	0.052	0.30
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	204	0.005	0.90
			TOTAL AREA	2,463	0.057	
					COMPOSITE C	0.35
2		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	147	0.003	
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	6,091	0.140	
			TOTAL AREA	6,238	0.143	
					COMPOSITE C	0.85*

RUNOFF COEFFICIENT (C) SUMMARY

DRAINAGE AREA	LEGEND	DESCRIPTION	COVER	AREA (SQ. FT.)	AREA (ACRES)	RUNOFF COEFF. (C)
3		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	0	0.000	
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	1,610	0.037	
			TOTAL AREA	1,610	0.037	
					COMPOSITE C	0.85*
4		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	139	0.003	
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	1,717	0.039	
			TOTAL AREA	1,856	0.042	
					COMPOSITE C	0.85*
5		GLENELG LOAM HYDROLOGIC SOIL GROUP B	LAWNS	594	0.014	
		IMPERVIOUS AREA	PAVED AND ROOF AREAS	7,216	0.166	
			TOTAL AREA	7,810	0.179	
					COMPOSITE C	0.85*

*C = 0.85 FOR COMMERCIAL DEVELOPMENTS, PER VDOT DRAINAGE MANUAL

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FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
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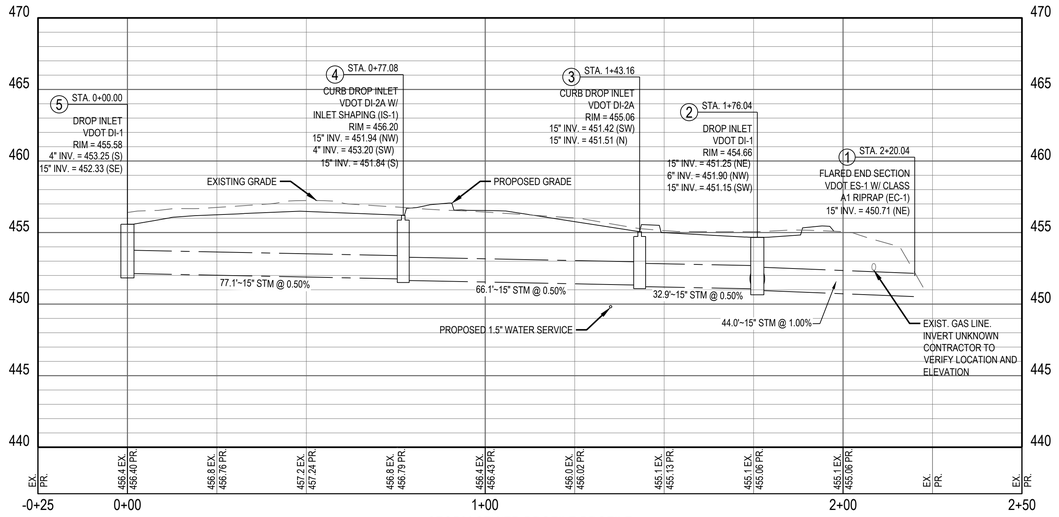
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHWATER
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PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	NET
Checked	TJV
Date	03.06.20
Drawing Title	PROPOSED DRAINAGE PLAN
Drawing No.	C5.1

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STORM SEWER PROFILE PROFILE
SCALE: 1" = 20' HORIZ.; 1" = 5' VERT.

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STORM SEWER DESIGN COMPUTATIONS - PROPOSED SITE DEVELOPMENT (10-YR STORM)

PROJECT: VALVOLINE INSTANT OIL CHANGE - CHARLOTTESVILLE, VA

FROM POINT	TO POINT	AREA DRAIN "A"	RUN-OFF COEF.	CA		INLET TIME	RAIN FALL	RUN-OFF Q	TOTAL Q	INVERT ELEVATIONS		LENGTH	SLOPE	DIA.	CAPA-CITY	VEL.	FLOW TIME MINUTES		REMARKS
		ACRES	C	INCRE-MENTAL	ACCUM-ULATED	MIN-UTES	IN./HR.	C.F.S.	C.F.S.	UPPER END	LOWER END	FT.	FT./FT.	IN.	C.F.S	F.P.S.	INCRE-MENTAL	ACCUM-ULATED	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)		(18)
5	4	0.179	0.85	0.15	0.15	5.00	6.54	1.00	1.00	453.07	452.69	77.1	0.0050	15	4.57	2.94	0.44	5.44	
4	3	0.042	0.85	0.04	0.19	5.44	6.40	1.20	1.20	451.84	451.51	66.1	0.0050	15	4.57	3.08	0.36	5.80	
3	2	0.037	0.85	0.03	0.22	5.80	6.29	1.38	1.38	451.42	451.25	32.9	0.0050	15	4.57	3.24	0.17	5.97	
2	1	0.143	0.85	0.12	0.34	5.97	6.24	2.13	2.13	451.15	450.71	44.0	0.0100	15	6.46	3.64	0.20	6.17	

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VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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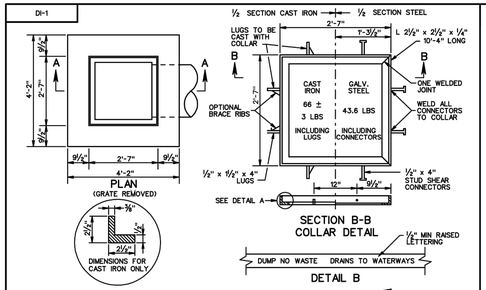
COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	NET
Checked	TJV
Date	03.06.20
Drawing Title	STORM SEWER PROFILE
Drawing No.	C5.2

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2016 ROAD & BRIDGE STANDARDS

DI-1



NOTES

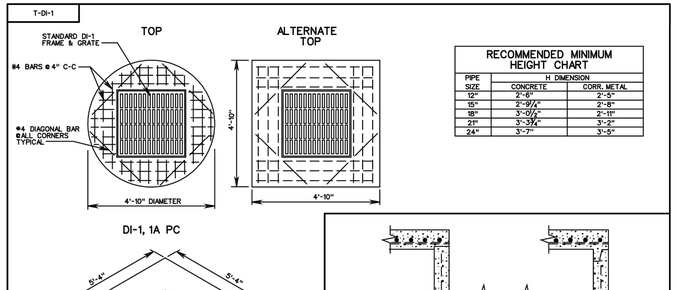
1. DEPTH OF INLET (H) TO BE SHOWN ON PLANS. FOR DEPTH GREATER THAN 10' USE STANDARD DI-1A
2. THE "H" DIMENSION SHOWN ON THE STANDARDS AND SPECIFIED ON THE PLANS WILL BE MEASURED FROM THE INVERT OF THE OUTFALL PIPE TO THE TOP OF THE STRUCTURE. PLAN "H" DIMENSIONS ARE APPROXIMATE ONLY FOR ESTIMATING PURPOSES AND THE ACTUAL DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR FROM FIELD CONDITIONS.
3. WHEN SPECIFIED ON THE PLANS THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH STANDARD IS-1. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.
4. IN THE EVENT THE INVERT OF THE OUTFALL PIPE IS HIGHER THAN THE BOTTOM OF THE STRUCTURE, THE INVERT OF THE STRUCTURE SHALL BE SHAPED WITH CEMENT MORTAR TO PREVENT STANDING OR PONDING OF WATER IN THE STRUCTURE. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO INLET SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.
5. STEPS ARE TO BE PROVIDED WHEN H IS 4'-0" OR GREATER. FOR DETAILS SEE STANDARD ST-1.
6. THIS ITEM MAY BE PRECAST OR CAST-IN-PLACE.
7. ⊕ 4 X 8" SMOOTH DOWELS AT APPROXIMATELY 12" C-C TO BE PLACED IN ALL AREAS ADJACENT TO ABUTTING CONCRETE TO PREVENT SETTLEMENT, IN LIEU OF DOWELS A 2"x4" KEYWAY MAY BE PROVIDED. SEE STANDARD T-DI-3, 4 FOR ALTERNATE DESIGN.
8. 3" DIAMETER WEEP HOLE WITH 12"X12" PLASTIC HARDWARE CLOTH ¼" MESH OR GALVANIZED STEEL WIRE, MINIMUM WIRE DIAMETER 0.03", NUMBER 4 MESH HARDWARE CLOTH ANCHORED FIRMLY TO THE OUTSIDE OF THE STRUCTURE.
9. CAST IN PLACE CONCRETE IS TO BE CLASS A3 (3000 PSI). PRECAST CONCRETE IS TO BE 4000 PSI.
10. ANY ALTERNATE METHODS OF ANCHORAGE MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED FOR THE CAST IRON LUGS AS SHOWN HEREON.
11. DUMP NO WASTE DRAINS TO WATERWAY LETTERING IS REQUIRED ON ALL DI-1 GRATES. LOCATION OF LETTERING MAY VARY BY MANUFACTURER.

VDOT ROAD AND BRIDGE STANDARDS		STANDARD DROP INLET 12" - 24" PIPE: MAXIMUM DEPTH (H) = 10' VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE
SHEET 1 OF 1	REVISION DATE		233 302
104.01			

2016 ROAD & BRIDGE STANDARDS

2016 ROAD & BRIDGE STANDARDS

T-DI-1



RECOMMENDED MINIMUM HEIGHT CHART		
PIPE SIZE	H DIMENSION	
	CONCRETE	CORR. METAL
12"	2'-6"	2'-5"
15"	2'-9¼"	2'-8"
18"	3'-0½"	2'-11"
21"	3'-3¾"	3'-2"
24"	3'-7"	3'-5"

NOTES:
1. SEE GENERAL NOTES PRECAST FOR ADDITIONAL DETAILS.
2. CONCRETE TO BE 4000 PSI MINIMUM.
3. REINFORCING STEEL IN ACCORDANCE WITH ASTM C-478, ASTM A-497 (WIRE FABRIC) AND ASTM A-615 (REINFORCING BARS).
4. CONCRETE COVER AND GRATE ARE TO BE FURNISHED AS A SINGLE UNIT.
5. SEE STANDARD DI-1, 1A FOR DETAILS OF FRAME AND GRATE.
6. DIMENSIONS SHOWN ARE MINIMUM. ACTUAL DIMENSIONS MAY VARY WITH MANUFACTURER.

NOTES:
1. TONGUE AND GROOVE JOINT TO BE OF FABRICATOR'S DESIGN MEETING THE APPROVAL OF THE ENGINEER. JOINTS ARE TO BE SEALED WITH MORTAR, OR O-RING GASKETS OR BUTYL RUBBER.
2. ALTERNATE JOINT DETAILS APPLY TO ALL PRECAST UNITS.

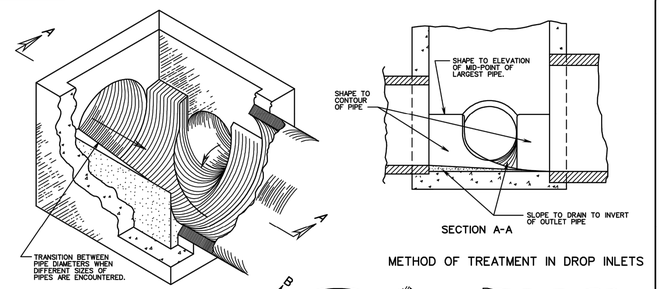
ALTERNATE JOINT DETAILS

VDOT ROAD AND BRIDGE STANDARDS		STANDARD PRECAST TOP UNITS VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE
SHEET 1 OF 1	REVISION DATE		105 233 302
103.03			

2016 ROAD & BRIDGE STANDARDS

2016 ROAD & BRIDGE STANDARDS

IS-1



NOTES:
SHAPING OF MANHOLE AND INLET INVERTS IN ACCORDANCE WITH THIS DRAWING IS TO APPLY TO THOSE STRUCTURES SPECIFIED ON PLANS OR WHERE INVERT OF PIPE IS ABOVE INVERT OF STRUCTURE.

MANHOLE OR DROP INLET IS TO BE FORMED AND CONSTRUCTED IN ACCORDANCE WITH APPLICABLE STANDARD OR SPECIAL DRAWING. THE INVERT SHAPING AS DETAILED HEREON IS TO CONSIST OF A PORTLAND CEMENT CONCRETE MIX CONFORMING TO CLASS A3 OR CLASS C1 EXCEPT THAT 25% OF COARSE AGGREGATE MAY BE, UP TO 4" IN DIAMETER AND CONSIST OF STONE, BROKEN BRICK, BROKEN CONCRETE OR BROKEN CONCRETE BLOCK. THE SURFACE SHALL BE LEFT SMOOTH BY MEANS OF HAND TROWELLING. NONE OF THE COARSE AGGREGATE SHALL REMAIN EXPOSED.

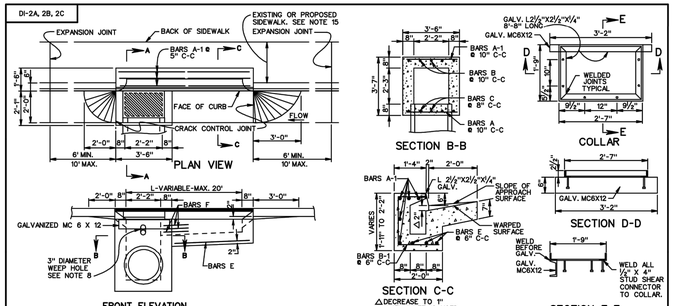
DETAILS OF INVERT SHAPING AS SHOWN HEREON ARE FOR EXAMPLE PURPOSES ONLY. EACH MANHOLE OR DROP INLET IS TO BE SHAPED INDIVIDUALLY TO BEST FIT THE PARTICULAR INLET AND OUTLET CONFIGURATION AND FLOW LINES.

VDOT ROAD AND BRIDGE STANDARDS		STANDARD METHOD OF SHAPING MANHOLE & INLET INVERTS VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE
SHEET 1 OF 1	REVISION DATE		302
106.08			

2016 ROAD & BRIDGE STANDARDS

2016 ROAD & BRIDGE STANDARDS

DI-2A, 2B, 2C



TYPE A NOSE DETAIL SHALL BE USED WITH CG-7 STANDARD.
TYPE B NOSE DETAIL SHALL BE USED WITH CG-6 STANDARD.
GALVANIZED PLATE FOR TYPE A TO BE BENT ON AN ANGLE OF 58°30' AND IS TO BE ANCHORED WITH ¾"X¾" STUD SHEAR CONNECTORS WELDED TO BENT PLATE AT 2' C-C.

VDOT ROAD AND BRIDGE STANDARDS		STANDARD CURB DROP INLET 12" - 24" PIPE: MAXIMUM DEPTH (H) = 9' VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE
SHEET 1 OF 2	REVISION DATE		233 302
104.03			

2016 ROAD & BRIDGE STANDARDS

2016 ROAD & BRIDGE STANDARDS

DI-2A, 2B, 2C

TABLE OF QUANTITIES

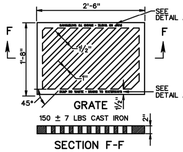
REINFORCING STEEL

TYPE	L	CONCRETE	BARS A		BARS A-1		BARS B		BARS B-1		BARS C		BARS E		BARS F		WEIGHT
	Ft.	Cu. Yds.	No.	Lin. Ft.⊛	No.	Lin. Ft.⊛	No.	Lin. Ft.⊛	No.	Lin. Ft. ⊛	No.	Lin. Ft.⊛	No.	Lin. Ft.⊛	No.	Lin. Ft.⊛	Lbs.
DI-2A	2'-2"	1.71	4	3'-2"	5	3'-2"	4	3'-6"	-	-	5	2'-0"	-	-	-	1'-6"	55
DI-2B	4'	1.95	4	3'-2"	5	5'-0"	4	3'-6"	3	4'-3" to 4'-6"	5	2'-0"	3	2'-0"	3	1'-6"	84
	6'	2.23	4	3'-2"	5	7'-0"	4	3'-6"	7	4'-3" to 4'-6"	5	2'-0"	3	4'-0"	3	1'-6"	119
	8'	2.51	4	3'-2"	5	9'-0"	4	3'-6"	11	4'-3" to 4'-6"	5	2'-0"	3	6'-0"	3	1'-6"	154
	10'	2.79	4	3'-2"	5	11'-0"	4	3'-6"	15	4'-3" to 4'-6"	5	2'-0"	3	8'-0"	3	1'-6"	189
	12'	3.05	4	3'-2"	5	13'-0"	4	3'-6"	19	4'-3" to 4'-6"	5	2'-0"	3	10'-0"	3	1'-6"	224
	14'	3.34	4	3'-2"	5	15'-0"	4	3'-6"	23	4'-3" to 4'-6"	5	2'-0"	3	12'-0"	3	1'-6"	259
	16'	3.61	4	3'-2"	5	17'-0"	4	3'-6"	27	4'-3" to 4'-6"	5	2'-0"	3	14'-0"	3	1'-6"	294
	18'	3.89	4	3'-2"	5	19'-0"	4	3'-6"	31	4'-3" to 4'-6"	5	2'-0"	3	16'-0"	3	1'-6"	329
	20'	4.17	4	3'-2"	5	21'-0"	4	3'-6"	35	4'-3" to 4'-6"	5	2'-0"	3	18'-0"	3	1'-6"	364
DI-2C	6'	2.24	4	3'-2"	5	7'-0"	4	3'-6"	6	4'-3" to 4'-6"	5	2'-0"	6	2'-1"	6	1'-6"	115
	8'	2.55	4	3'-2"	5	9'-0"	4	3'-6"	10	4'-3" to 4'-6"	5	2'-0"	6	3'-1"	6	1'-6"	150
	10'	2.82	4	3'-2"	5	11'-0"	4	3'-6"	14	4'-3" to 4'-6"	5	2'-0"	6	4'-1"	6	1'-6"	185
	12'	3.09	4	3'-2"	5	13'-0"	4	3'-6"	18	4'-3" to 4'-6"	5	2'-0"	6	5'-1"	6	1'-6"	220
	14'	3.37	4	3'-2"	5	15'-0"	4	3'-6"	22	4'-3" to 4'-6"	5	2'-0"	6	6'-1"	6	1'-6"	255
	16'	3.65	4	3'-2"	5	17'-0"	4	3'-6"	26	4'-3" to 4'-6"	5	2'-0"	6	7'-1"	6	1'-6"	290
	18'	3.93	4	3'-2"	5	19'-0"	4	3'-6"	30	4'-3" to 4'-6"	5	2'-0"	6	8'-1"	6	1'-6"	325
	20'	4.20	4	3'-2"	5	21'-0"	4	3'-6"	34	4'-3" to 4'-6"	5	2'-0"	6	9'-1"	6	1'-6"	360

NOTES

1. DEPTH OF INLET (H) TO BE SHOWN ON PLANS.
2. THE "H" DIMENSION SHOWN ON THE STANDARDS AND SPECIFIED ON THE PLANS WILL BE MEASURED FROM THE INVERT OF THE OUTFALL PIPE TO THE TOP OF THE STRUCTURE. PLAN "H" DIMENSIONS ARE APPROXIMATE ONLY FOR ESTIMATING PURPOSES AND THE ACTUAL DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR FROM FIELD CONDITIONS.
3. WHEN SPECIFIED ON THE PLANS THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH STANDARD IS-1. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.
4. IN THE EVENT THE INVERT OF THE OUTFALL PIPE IS HIGHER THAN THE BOTTOM OF THE STRUCTURE, THE INVERT OF THE STRUCTURE SHALL BE SHAPED WITH CEMENT MORTAR TO PREVENT STANDING OR PONDING OF WATER IN THE STRUCTURE. THE COST OF FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE BID PRICE FOR THE STRUCTURE.
5. STEPS ARE TO BE PROVIDED WHEN H IS 4'-0" OR GREATER. FOR DETAILS SEE STANDARD ST-1.
6. THIS ITEM MAY BE PRECAST OR CAST-IN-PLACE.
7. ⊛ 4 X 8" SMOOTH DOWELS AT APPROXIMATELY 12" C-C TO BE PLACED IN ALL AREAS ADJACENT TO ABUTTING CONCRETE TO PREVENT SETTLEMENT.
8. 3" DIAMETER WEEP HOLE TO BE LOCATED TO DRAIN SUBBASE MATERIAL. WEEP HOLE WITH 12"X12" PLASTIC HARDWARE CLOTH ¼" MESH OR GALVANIZED STEEL WIRE, MINIMUM WIRE DIAMETER 0.03", NUMBER 4 MESH HARDWARE CLOTH ANCHORED FIRMLY TO THE OUTSIDE OF THE STRUCTURE.
9. ALL REINFORCING STEEL SHALL HAVE A MINIMUM COVER OF 2".
10. ALL REINFORCING STEEL TO BE CUT CLEAR OF ALL OPENINGS BY 2".
11. CAST-IN PLACE CONCRETE IS TO BE CLASS A3 (3000 PSI). PRECAST CONCRETE IS TO BE 4000 PSI.
12. LENGTH OF SLOT (L) WILL, IN EVERY CASE, BE SHOWN ON PLANS.
13. THIS STANDARD IS INTENDED FOR USE IN CURB AND GUTTER SITUATIONS ONLY.
14. STANDARD INLETS MAY BE CONSTRUCTED WITH CONCRETE BLOCKS IN ACCORDANCE WITH THE DETAILS SHOWN ON STANDARD DRAWING DI-MB.
15. THIS AREA MAY BE EARTHEN, IN WHICH CASE THE EXPANSION JOINTS WILL APPLY ONLY TO CURB AND GUTTER.
16. CONCRETE QUANTITIES SHOWN ARE FOR DEPTH (H) OF 4'-0" WITHOUT PIPES. THE AMOUNT DISPLACED BY PIPES MUST BE DEDUCTED TO OBTAIN THE QUANTITIES FOR INLETS OF DIFFERENT DEPTHS AND OR SUBTRACT 0.28 CUBIC YARDS OF CONCRETE FOR EACH FOOT.
17. LENGTH OF ANGLE IRON AS SHOWN ON SHEET 1 OF 2 IS TO BE L 16" AT 4.10 LBS./FT.
18. ⊛ DENOTES LENGTH OF ONE (1) BAR.
19. ALL REINFORCING BARS TO BE #5.
20. GRATE TO BE INSTALLED SO SLOTS WILL DIRECT WATER TOWARD THE INLET THROAT.
21. MINIMUM HEIGHT = PIPE DIA + 2'-6" WHEN PIPES ARE LOCATED UNDER EXTENDED SLOT OF INLET.
22. DUMP NO WASTE DRAINS TO WATERWAYS LETTERING IS REQUIRED ON ALL DI-Q GRATES. LOCATION OF LETTERING MAY VARY BY MANUFACTURER.

½" MIN RAISED LETTERING
DUMP NO WASTE DRAINS TO WATERWAYS
DETAIL A

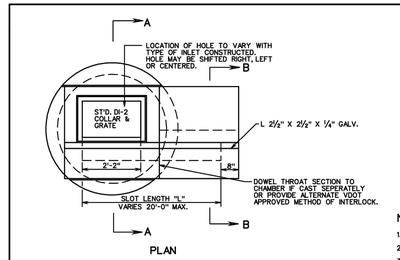


SPECIFICATION REFERENCE	STANDARD CURB DROP INLET 12" - 24" PIPE: MAXIMUM DEPTH (H)=9' VIRGINIA DEPARTMENT OF TRANSPORTATION	VDOT ROAD AND BRIDGE STANDARDS	
233 302		REVISION DATE	SHEET 2 OF 2 104.04

2016 ROAD & BRIDGE STANDARDS

2016 ROAD & BRIDGE STANDARDS

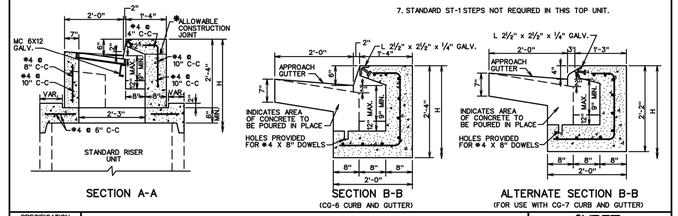
T-DI-2



RECOMMENDED MINIMUM HEIGHT CHART	
PIPE SIZE	"H" DIMENSION (CONCRETE PIPE)
12"	4'-8"
15"	4'-11¼"
18"	5'-2½"
21"	5'-5¾"
24"	5'-9"
27"	6'-0¼"
30"	6'-4½"
33"	6'-9¾"
36"	7'-1"
42"	7'-7½"
48"	8'-2"

NOTES

1. SEE GENERAL NOTES - PRECAST FOR ADDITIONAL DETAILS.
2. CONCRETE TO BE 4000 PSI MINIMUM.
3. REINFORCING STEEL IN ACCORDANCE WITH ASTM-615.
4. DIMENSIONS SHOWN ARE MINIMUM. ACTUAL DIMENSIONS MAY VARY WITH MANUFACTURER.
5. FOR DETAILS OF FRAME AND GRATE SEE STANDARD DI-2A, B, C.
6. ⊛ VERTICAL REINFORCING BARS TO BE CONTINUOUS THROUGH JOINT.
7. STANDARD ST-1 STEPS NOT REQUIRED IN THIS TOP UNIT.



SPECIFICATION REFERENCE	STANDARD PRECAST TOP UNITS VIRGINIA DEPARTMENT OF TRANSPORTATION	VDOT ROAD AND BRIDGE STANDARDS	
105 233 302		REVISION DATE	SHEET 1 OF 1 103.04

2016 ROAD & BRIDGE STANDARDS

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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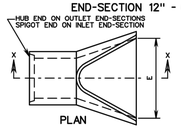
COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402060776
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	NET
Checked	TJV
Date	03.06.20
Drawing Title	DRAINAGE DETAILS
Drawing No.	C5.3

\\CESOINC.LOCAL\ROOT\DATA\PROJECTS\VAL\VAL1N\757280-CHARLOTTESVILLE, VA (GANDER RD)\03-CIVIL\PLANS\PLOT SHEETS\C5.3 DRAINAGE DETAILS.DWG - 5/20/2020 5:13 AM

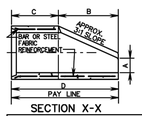
END-SECTION 12" - 60" PIPE

HUB END ON OUTLET END-SECTIONS
SPIGOT END ON INLET END-SECTION

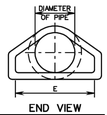


PLAN

CONCRETE TO BE 4000 PSI MINIMUM



SECTION X-X

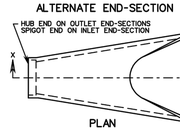


END VIEW

ALTERNATE END-SECTION 12" - 60" PIPE

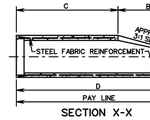
ES-1

HUB END ON OUTLET END-SECTIONS
SPIGOT END ON INLET END-SECTION

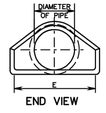


PLAN

CONCRETE TO BE 4000 PSI MINIMUM



SECTION X-X



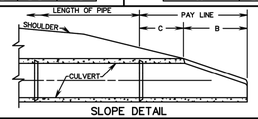
END VIEW

END SECTION DIMENSIONS

PIPE DIAMETER	A	B	C	D	E
12"	4"	2'-0"	2'-0"	4'-0"	2'-0"
15"	6"	2'-3"	1'-9"	4'-0"	2'-6"
18"	9"	2'-3"	1'-9"	4'-0"	3'-0"
21"	9 1/4"	2'-11"	2'-1"	5'-0"	3'-6"
24"	9 1/2"	3'-7"	2'-6"	6'-1"	4'-0"
27"	10 1/2"	4'-0"	2'-1"	6'-1"	4'-6"
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"
33"	1'-1 1/2"	4'-10 1/2"	2'-3 1/4"	7'-3 3/4"	5'-6"
36"	1'-3"	5'-3"	2'-10 1/4"	8'-1 3/4"	6'-0"
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"
54"	2'-3"	5'-5"	2'-9 1/4"	8'-2 1/4"	7'-6"
60"	2'-11"	5'-0"	3'-3"	8'-3"	8'-0"

END SECTION DIMENSIONS

PIPE DIAMETER	A	B	C	D	E
12"	4"	2'-0"	4'-1"	6'-1"	2'-0"
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"
21"	9"	2'-11"	3'-2"	6'-1"	3'-6"
24"	10"	3'-7"	2'-8"	6'-3"	4'-0"
27"	10 1/2"	4'-0"	2'-7 1/2"	6'-1 1/2"	4'-6"
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"
33"	1'-1 1/2"	4'-10 1/2"	3'-3 1/4"	6'-1 3/4"	5'-6"
36"	1'-3"	5'-3"	2'-10 1/4"	8'-1 3/4"	6'-0"
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"
54"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"
60"	2'-6"	5'-0"	3'-3"	8'-3"	8'-0"



SLOPE DETAIL

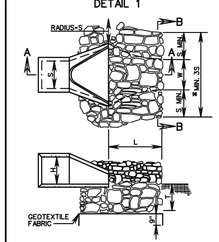
NOTES:

PIPE LENGTHS SHOWN ON PLANS ARE BASED ON END-SECTION DESIGN SHOWN ON THE LEFT. IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE DESIGN SHOWN ON THE RIGHT, LENGTHS WILL BE REDUCED BY THE DIFFERENCE IN DIMENSION "D".

SPECIFICATION REFERENCE	FLARED END SECTION	VDOT ROAD AND BRIDGE STANDARDS
302	12" - 60" CONCRETE PIPE CULVERTS	REVISION DATE / SHEET 1 OF 1
	VIRGINIA DEPARTMENT OF TRANSPORTATION	102.01

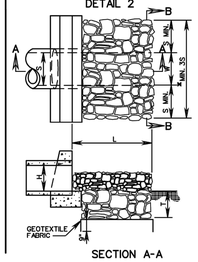
EC-1

DETAIL 1



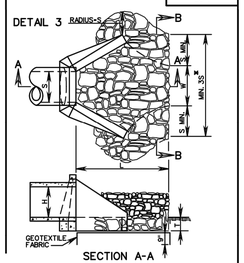
SECTION A-A

DETAIL 2

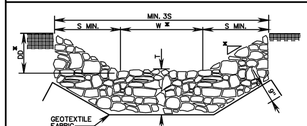


SECTION A-A

DETAIL 3



SECTION A-A



SECTION B-B

TYPE OF OUTLET PROTECTION MATERIAL		MAXIMUM OUTLET VELOCITY (FOR DESIGN STORM)	MINIMUM "T" (INCHES)
CLASS A1	CLASS A1 DRY RIPRAP	8 fps	18
CLASS I	CLASS I DRY RIPRAP	14 fps	24
CLASS II	CLASS II DRY RIPRAP	19 fps	36

NOTES:

1. FOR MULTIPLE LINE INSTALLATIONS, DIMENSION S IS TO GOVERN THE PROTECTION OUTSIDE THE CHANNEL WIDTH (W).
2. ON ANY INSTALLATION REQUIRING CULVERT OUTLET PROTECTION WHERE NO ENDWALL OR ENDSECTION IS SPECIFIED ON THE PLANS, CONSTRUCTION IS TO BE IN ACCORDANCE WITH DETAIL 2 SHOWN ABOVE.
3. GEOTEXTILE FABRIC TO BE INSTALLED UNDER CLASS A1,I, AND II MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.
4. S = DIAMETER OF CIRCULAR CULVERT OR SPAN FOR BOX, ELLIPTICAL OR ARCH CULVERT. H = DIAMETER OF CIRCULAR CULVERT OR RISE/HEIGHT FOR BOX, ELLIPTICAL OR ARCH CULVERT.
- ✖ USE TYPICAL SECTION SHOWN ON PLANS FOR SIDE SLOPE, BOTTOM WIDTH AND DEPTH OF CHANNEL OR MATCH EXISTING DITCH OR NATURAL GROUND.

OUTLET PROTECTION MINIMUM LENGTH (L)	
TYPE A INSTALLATION	3H
TYPE B INSTALLATION	5H

SPECIFICATION REFERENCE	CULVERT OUTLET PROTECTION	VDOT ROAD AND BRIDGE STANDARDS
204 245 303 414	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE / SHEET 1 OF 1 113.01

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

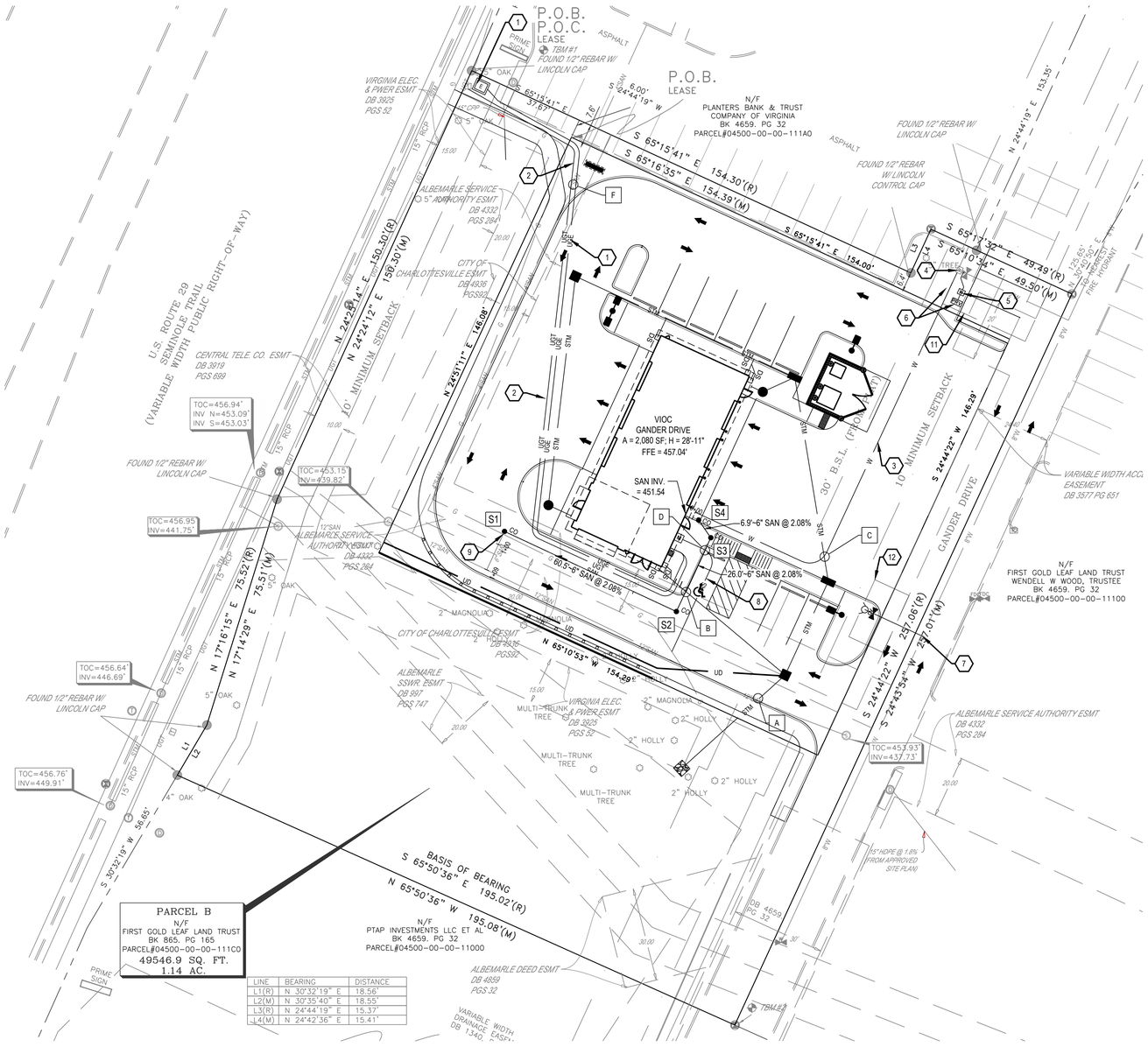
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402010775
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	NET
Checked	TJV
Date	03.06.20
Drawing Title	DRAINAGE DETAILS
Drawing No.	C5.4

I:\CESO\NC\LOCAL\ROOT\DATA\PROJECTS\VAL\VOLINE\757280 CHARLOTTESVILLE, VA (GANDER RD)\03 CIVIL\PLAN\PLOT SHEETS\C5.3 DRAINAGE DETAILS.DWG - 5/29/2020 5:13 AM



X	UTILITY CROSSING SCHEDULE		
NO.	UTILITY	ELEVATIONS	DIFF.
A	15" STM	B/PIPE = 451.03	11.91
	EX. 12" SAN	T/PIPE = 439.12	
B	6" DS	B/PIPE = 452.31	0.90
	6" SAN	T/PIPE = 451.41	
C	15" STM	B/PIPE = 451.37	1.50
	1.5" WTR	T/PIPE = 449.87	
D	GAS	B/PIPE = 453.20	1.50
	6" SAN	T/PIPE = 451.70	
E	EX. GAS	UNKNOWN	
	15" STM	T/PIPE = 452.11	
F	CONTRACTOR TO MAINTAIN 18" VERTICAL CLEARANCE BETWEEN TELE & ELEC LINES AND EXISTING SANITARY LATERAL		

LEGEND

EXISTING

REFER TO EX. CONDITIONS AND DEMOLITION PLAN SHEET FOR EXISTING LEGEND ITEMS

PROPOSED

- BUILDING
- STM — STORM SEWER
- SAN — SANITARY SEWER
- W — DOMESTIC WATER SERVICE
- G — GAS SERVICE
- UGE — UNDERGROUND ELEC. LINE
- UGT — UNDERGROUND TEL. LINE
- UD — 4" PERFORATED UNDER DRAIN
- CO — CLEAN OUT
- M — METER
- W — WATER METER
- E — ELECTRIC TRANSFORMER
- S1 — SANITARY SEWER STRUCTURE

GENERAL UTILITY NOTES:

1. COORDINATE ALL SITE UTILITY WORK WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.
2. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS, AS-BUILT PLANS, AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY CONTRACTOR'S WORK FORCE.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL FEES ASSOCIATED WITH PERMITS REQUIRED TO PERFORM THE WORK PROPOSED ON THESE PLAN (I.E. TAPPING, INSPECTION, ETC.).
4. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
5. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
6. SANITARY AND WATER LINE SHALL BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE.)
7. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
8. RIMS OF EXISTING STRUCTURES SHALL BE RAISED OR LOWERED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITH WATER TIGHT LIDS.
9. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
10. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
11. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION.
12. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
13. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
14. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, AND GAS SERVICE.
15. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICTS, AS WELL AS COORDINATING WITH THE AUTHORITY HAVING JURISDICTION UTILITY REQUIREMENTS AS TO ASSURE PROPER LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
16. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.

WATER NOTES:

1. WATER SERVICE MATERIAL LARGER THAN 2" SHALL BE DUCTILE IRON IN CONFORMANCE WITH ANSI A21.51 (AWWA C151) DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND LINED MOLDS, FOR WATER OR OTHER LIQUIDS AND ANSI A21.50 (AWWA C150) THICKNESS DESIGN OF IRON PIPE. ALL SERVICE LINES 2" OR LESS SHALL BE COPPER TYPE K. SIZE TO BE AS NOTED IN PLAN VIEW. SERVICE CONNECTION TO HAVE MINIMUM COVER OF 60" COVER.
2. ALL FITTINGS SHALL BE DUCTILE IRON IN CONFORMANCE WITH AWWA C110 OR AWWA C153. ALL FITTINGS SHALL BE RATED FOR 350 PSI WORKING PRESSURE, HAVE MECHANICAL JOINTS AND BE COATED AND CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104. ALL BOLTS AND NUTS SHALL BE COR-TEN.
3. WATER LINE SHALL HAVE A MINIMUM BURY DEPTH OF 4' OR AS REFERRED BY AHJ.
4. A SEPARATE GATE VALVE, THE SAME SIZE AS THE METER CONNECTIONS, SHALL BE PLACED ON THE SERVICE PIPE ON BOTH SIDES OF THE METER. SUCH VALVES SHALL BE EQUAL IN QUALITY TO THE SERVICE COCK.

SANITARY SEWER NOTES:

1. ALL SANITARY SEWERS SHALL BE PVC, SDR 35 MATERIAL, CONFORMING TO ASTM SPECIFICATION D3034 WITH 3/4IN STONE BEDDING.
2. PVC PIPE SHALL HAVE AN INTEGRAL BELL AND JOINTS SHALL BE PREMIUM GASKETED JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 TO PROVIDE A WATERTIGHT SEAL AND SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

STORM SEWER NOTES:

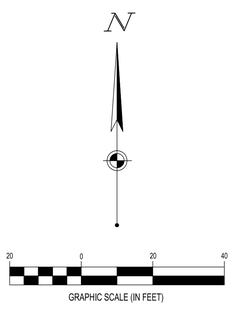
1. SEE PROPOSED DRAINAGE PLAN FOR STORM SEWER NOTES.

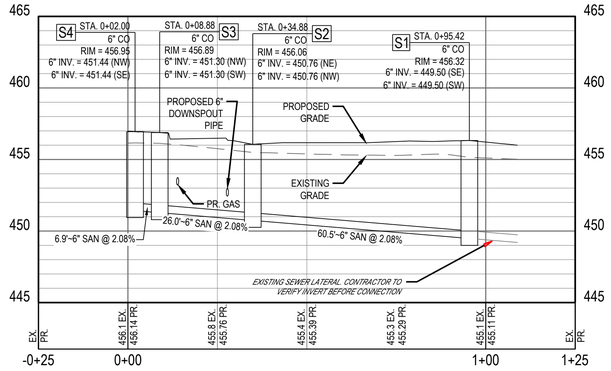
ALBEMARLE COUNTY UTILITY NOTES:

1. ALL WATER LINES, SEWER LINES, AND FIRE LINES FROM THE MAIN TO THE STRUCTURE MUST HAVE A VISUAL INSPECTION PERFORMED BY THE BUILDING DEPARTMENT.

CODED NOTES:

1. ELECTRIC SERVICE. CONTRACTOR TO COORDINATE WITH POWER COMPANY FOR CONNECTION AND TRANSFORMER LOCATION
2. TELEPHONE SERVICE. CONTRACTOR TO COORDINATE WITH SERVICE PROVIDER FOR CONNECTION.
3. 1.5" WATER SERVICE LINE PER ALBEMARLE COUNTY SERVICE AUTHORITY AND PROVIDER REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SERVICE PROVIDER FOR CONNECTION.
4. EXISTING 1" WATER METER PER ALBEMARLE COUNTY SERVICE AUTHORITY REQUIREMENTS. CONTRACTOR TO INSTALL PER ALBEMARLE COUNTY SERVICE AUTHORITY REGULATIONS AND REQUIREMENTS.
5. PROPOSED 1" IRRIGATION SERVICE LINE AND 3/4" IRRIGATION METER PER ALBEMARLE COUNTY SERVICE AUTHORITY REQUIREMENTS. CONTRACTOR TO INSTALL PER ALBEMARLE COUNTY SERVICE AUTHORITY REGULATIONS AND REQUIREMENTS. REFER TO IRRIGATION PLAN.
6. PROPOSED PRESSURE REDUCING VALVE.
7. PROPOSED 8" X 6" TAP PER ALBERMARLE COUNTY SERVICE AUTHORITY REQUIREMENTS. CONTRACTOR TO CONTACT ACSA TO COMPLETE THE TAP.
8. GAS SERVICE. CONTRACTOR TO COORDINATE WITH GAS COMPANY FOR CONNECTION.
9. 6" SANITARY SERVICE LINE PER ALBEMARLE COUNTY SERVICE AUTHORITY REQUIREMENTS. CONTRACTOR TO INSTALL SERVICE PER ALBEMARLE COUNTY SERVICE AUTHORITY REGULATIONS AND SPECIFICATIONS. CONTRACTOR TO VERIFY CONNECTION INVERTS BEFORE STARTING INSTALLATION TO ENSURE MINIMUM 2.08% SLOPE IS POSSIBLE.
10. PROPOSED FIRE HYDRANT, 6" WATER PIPE, AND 6" GATE VALVE PER ALBERMARLE COUNTY SERVICE AUTHORITY REGULATIONS AND REQUIREMENTS.
11. PROPOSED 20' X 29' WATER EASEMENT DEDICATED TO ALBEMARLE COUNTY SERVICE AUTHORITY
12. PROPOSED 20' X 12' WATER EASEMENT DEDICATED TO ALBEMARLE COUNTY SERVICE AUTHORITY





SANITARY SERVICE PROFILE PROFILE
SCALE: 1" = 20' HORIZ.; 1" = 5' VERT.

va811.com Dig With PARC

FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

Valvoline
Discover Oil Change

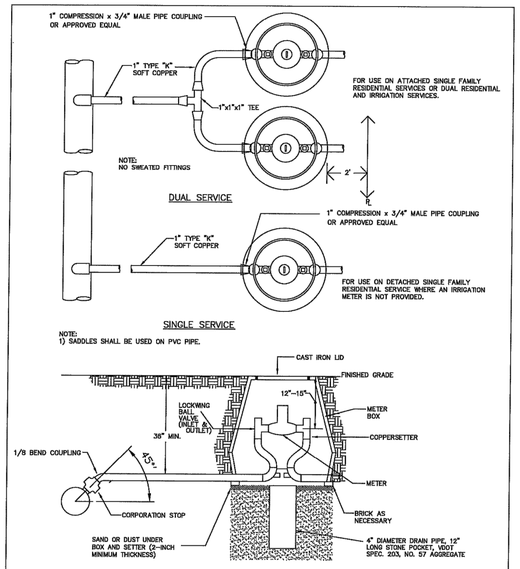
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402010175
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	UTILITY PLAN
Drawing No.	C6.0

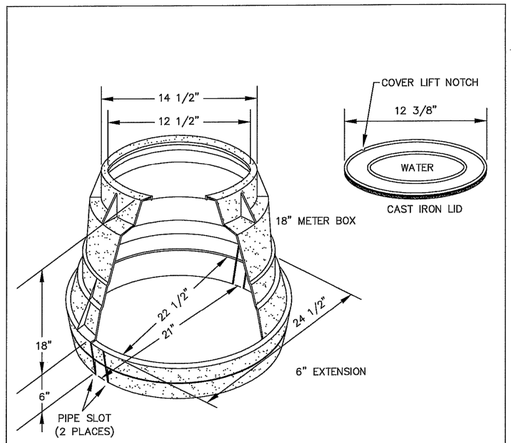
\\CESOINC.LOCAL\ROOT\DATA\PROJECTS\VALVOLINE\757280 CHARLOTTESVILLE - VA (GANDER RD)\03-CIVIL\PLANPLOT SHEETS\03.0 UTILITY PLAN.DWG 6/16/2020 1:54 PM



TYPICAL SERVICE LATERAL INSTALLATION (5/8" & 1" METERS)

NTS
FIG. W-6A

TD-10

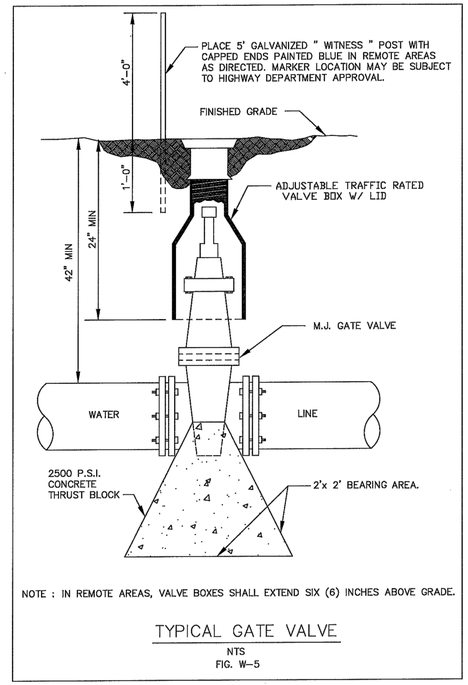


NOTES:
(1) A 1-3/4" DIAMETER HOLE IS REQUIRED IN THE LID FOR TOUCH READ METERS.

TYPICAL METER BOXES (5/8"-1" METERS)

NTS
FIG. W-7

TD-13

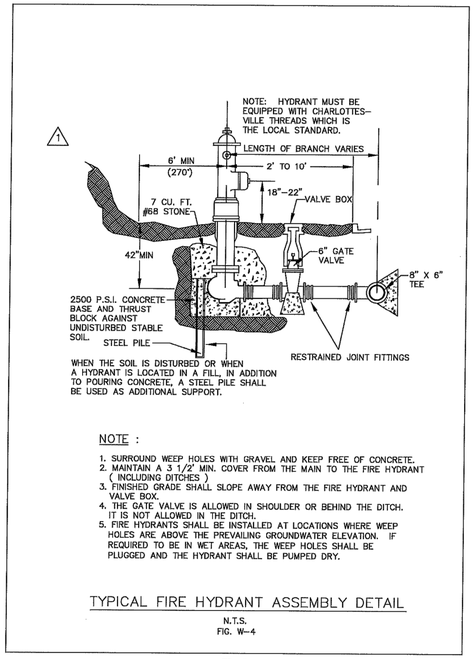


NOTE : IN REMOTE AREAS, VALVE BOXES SHALL EXTEND SIX (6) INCHES ABOVE GRADE.

TYPICAL GATE VALVE

NTS
FIG. W-5

TD-9



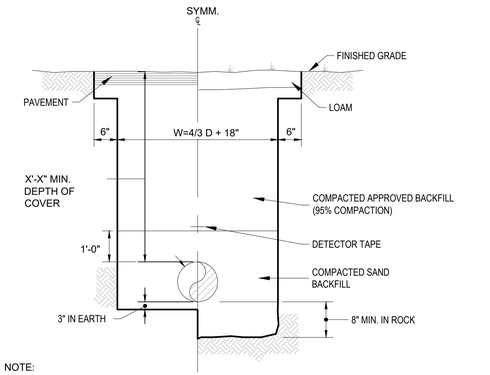
NOTE :

1. SURROUND WEEP HOLES WITH GRAVEL AND KEEP FREE OF CONCRETE.
2. MAINTAIN A 3 1/2' MIN. COVER FROM THE MAIN TO THE FIRE HYDRANT (INCLUDING DITCHES)
3. FINISHED GRADE SHALL SLOPE AWAY FROM THE FIRE HYDRANT AND VALVE BOX.
4. THE GATE VALVE IS ALLOWED IN SHOULDER OR BEHIND THE DITCH. IT IS NOT ALLOWED IN THE DITCH.
5. FIRE HYDRANTS SHALL BE INSTALLED AT LOCATIONS WHERE WEEP HOLES ARE ABOVE THE PREVAILING GROUNDWATER ELEVATION. IF REQUIRED TO BE IN WET AREAS, THE WEEP HOLES SHALL BE PLUGGED AND THE HYDRANT SHALL BE PUMPED DRY.

TYPICAL FIRE HYDRANT ASSEMBLY DETAIL

N.T.S.
FIG. W-4

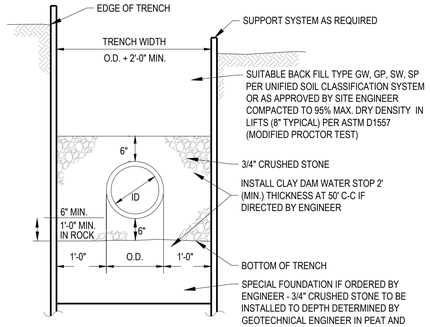
TD-8



NOTE:
1. FIRE LINE PIPING AND SERVICE PIPING > 3" I.D. TO BE CLASS 53 DUCTILE IRON WITH RESTRAINED JOINTS 40 FT. EACH SIDE OF ALL FITTINGS, ELBOWS AND APPURTENANCES. DOMESTIC PIPING < 3" I.D. TO BE TYPE K COPPER PER ASTM B 88.
2. NOTE: PIPING TO BE HYDROSTATIC TESTED 2 HOURS @ 100 PSI. OVER NORMAL OPERATING PRESSURE AFTER INSTALLATION

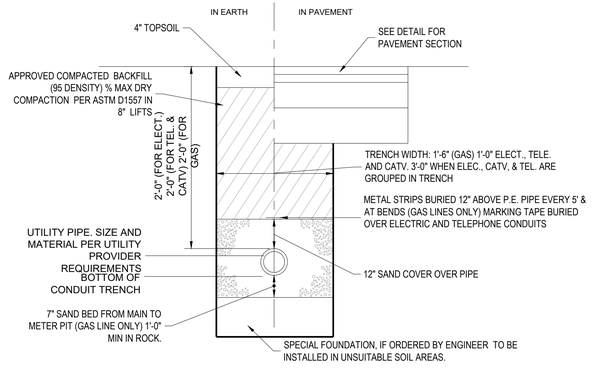
TYPICAL WATER MAIN & SERVICE TRENCH DETAIL

NTS



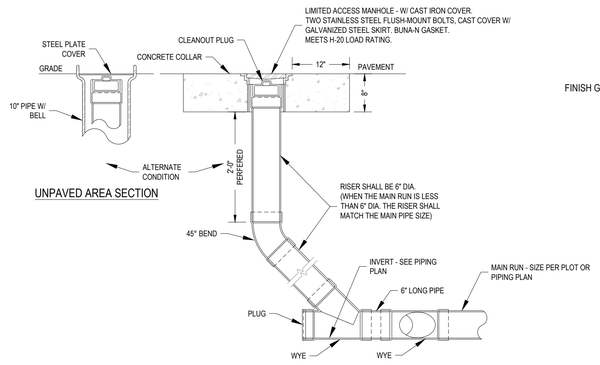
TYPICAL SANITARY SEWER TRENCH SECTION

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ELECTRICAL, TELEPHONE AND GAS TRENCH

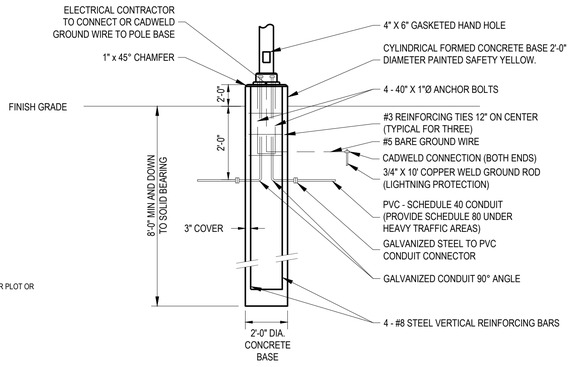
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UNPAVED AREA SECTION

PIPE CLEANOUT

NTS



TYPICAL LIGHTING POLE BASE

NTS

\\CESONC\LOCAL\ROOTDIA\PROJECTS\VALVOLINE\757280 CHARLOTTESVILLE, VA (GANDER RD)\03-CIVIL\PLANPLOT SHEETS\06 UTILITY PLAN.DWG 6/15/2020 1:54 PM

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

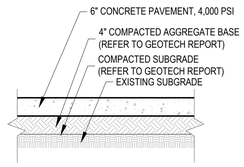
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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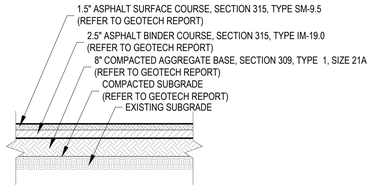
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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
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PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	UTILITY PLAN DETAILS
Drawing No.	C6.1



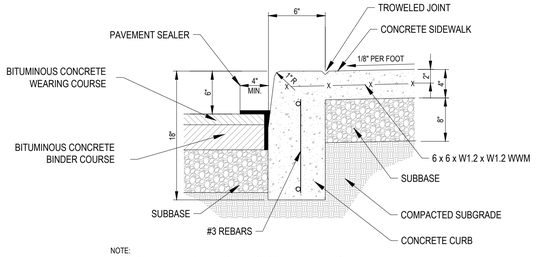
CONCRETE PAVEMENT SECTION
NTS



ASPHALT PAVEMENT SECTION
NTS

NOTE:
1. ALL PAVEMENT WORK SHALL COMPLY WITH SOILS INVESTIGATION/RECOMMENDATIONS PREPARED FOR THIS PROJECT.

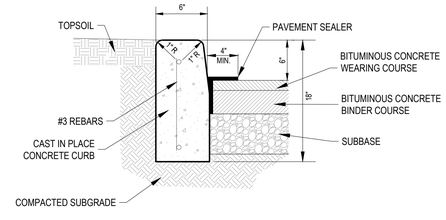
2. ALL MATERIALS SHALL BE PROVIDED & ALL WORK BE PERFORMED PER STATE DEPARTMENT OF TRANSPORTATION STANDARDS.



NOTE:
1. ALL CONCRETE CURBS TO BE F'C 4000 P.S.I. CONCRETE AT 28 DAYS

2. CURB EXPANSION JOINTS TO MATCH SIDEWALK EXPANSION JOINT SPACING

INTEGRAL CURB & SIDEWALK DETAIL
NTS

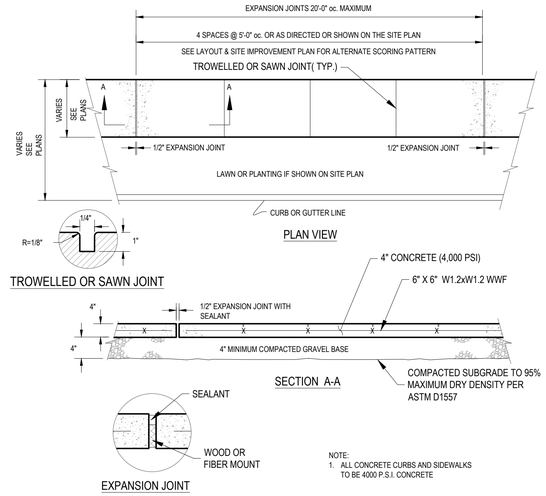


NOTE:
1. ALL CONCRETE CURBS TO BE F'C 4000 P.S.I. CONCRETE AT 28 DAYS.

2. CURB EXPANSION JOINT SPACING IS 10'-0" MAXIMUM. FILL WITH ½" PREFORMED EXPANSION JOINT RECESSED ½ INCH BELOW TOP OF CURB.

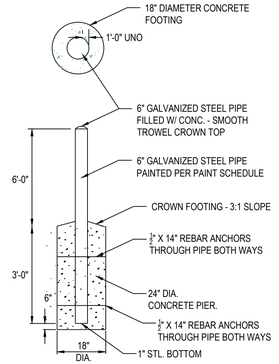
3. MAXIMUM HEIGHT OF CURB TO PAVING IS 6".

STRAIGHT CURB DETAIL
NTS

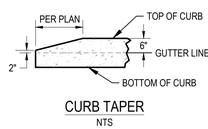


NOTE:
1. ALL CONCRETE CURBS AND SIDEWALKS TO BE 4000 P.S.I. CONCRETE

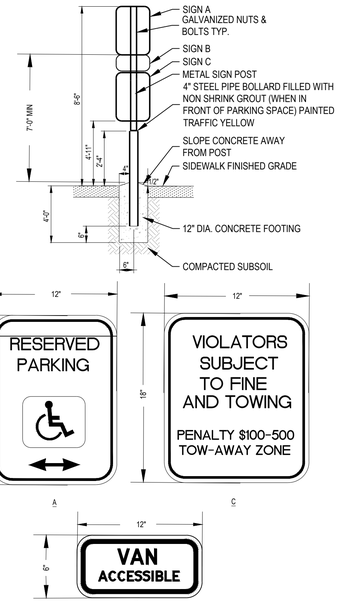
CONCRETE SIDEWALK DETAIL
NTS



BOLLARD DETAIL
NTS



CURB TAPER
NTS



HANDICAPPED PARKING SIGNAGE DETAIL
NTS

NOTES:
1. PROVIDE EXPANSION JOINT MATERIAL WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER PLUS SEALANT FLUSH WITH ADJACENT CONCRETE SURFACE.

2. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.

3. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.

4. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK PITCH. SEE TABLE A J-8/C-207 FOR TYPICAL RAMP DIMENSIONS.

5. WHENEVER POSSIBLE, CONSTRUCT THE TRANSITION SLOPE FROM THE CURB RAMP AND FLARE SIDES TO ADJOINING SURFACES WITH A GRADUAL CURVE RATHER THAN AN ABRUPT ANGLE.

6. ALL CONCRETE CURBS AND SIDEWALKS TO BE 4000 P.S.I. CONCRETE

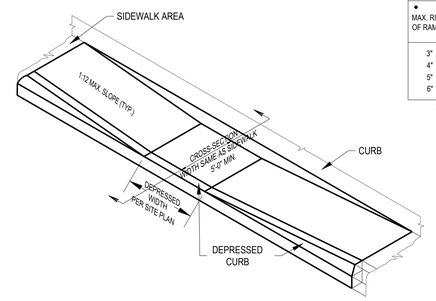
CURB RAMP DIMENSIONS NEW CONSTRUCTION				
• RISE OF RAMP	MAX. RAMP SLOPE	NOMINAL RAMP LENGTH (1 : 12)	SIDE FLARE DIMENSION AT CURB (1 : 10)	SIDE FLARE DIMENSION AT CURB (1 : 12)
3"	1 : 12	3.0 FT.	2.5 FT.	3.0 FT.
4"	1 : 12	4.0 FT.	3.3 FT.	4.0 FT.
5"	1 : 12	5.0 FT.	4.2 FT.	5.0 FT.
6"	1 : 12	6.0 FT.	5.0 FT.	6.0 FT.
7"	1 : 12	7.0 FT.	5.8 FT.	7.0 FT.
8"	1 : 12	8.0 FT.	6.7 FT.	8.0 FT.
9"	1 : 12	9.0 FT.	7.5 FT.	9.0 FT.
10"	1 : 12	10.0 FT.	8.4 FT.	10.0 FT.
11"	1 : 12	11.0 FT.	9.2 FT.	11.0 FT.
12"	1 : 12	12.0 FT.	10.0 FT.	12.0 FT.

CURB RAMP DIMENSIONS EXISTING CONDITION ☆				
• MAX. RISE OF RAMP	MAX. RAMP SLOPE	NOMINAL RAMP LENGTH	SIDE FLARE DIMENSION AT CURB (1 : 10)	SIDE FLARE DIMENSION AT CURB (1 : 12)
3"	1 : 8	2.0 FT.	2.5 FT.	3.0 FT.
4"	1 : 10	3.3 FT.	3.3 FT.	4.0 FT.
5"	1 : 10	4.2 FT.	4.2 FT.	5.0 FT.
6"	1 : 10	5.0 FT.	5.0 FT.	6.0 FT.

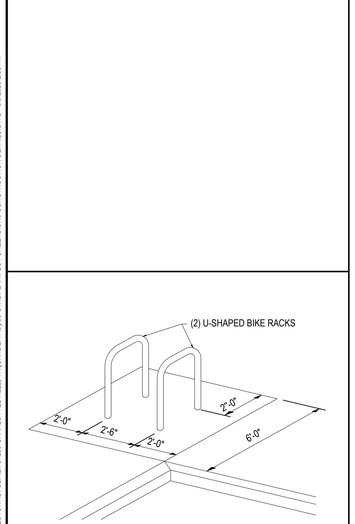
☆ USE ONLY WHEN SPACE LIMITATIONS PROHIBIT THE CONSTRUCTION OF 1 : 12 OR FLATTER SLOPES.

• CURB HEIGHT PLUS RISE OF SIDEWALK CROSS SLOPE

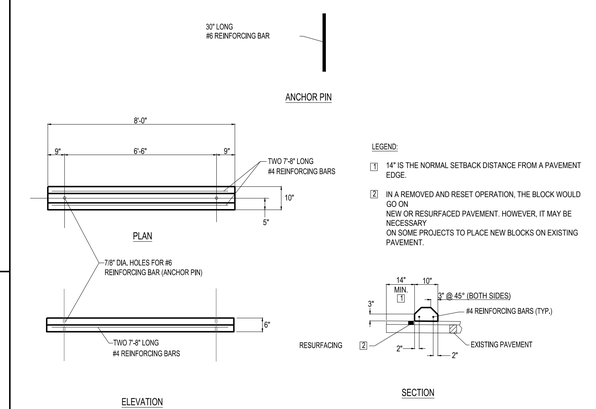
TABLE A



HANDICAPPED RAMP DETAIL AND RAMP SCHEDULE
NTS



U-SHAPED BIKE RACK DETAIL
NTS



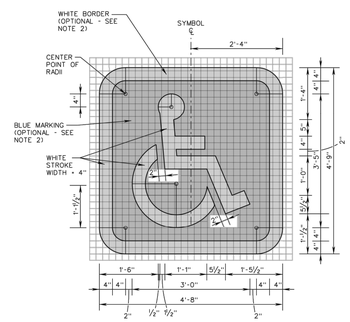
NOTES:

1. ALL MATERIALS USED TO MANUFACTURE THE CONCRETE PARKING BLOCK SHALL BE IN ACCORDANCE WITH CMS 604.
2. THE MATERIAL REQUIREMENTS FOR THE ANCHOR PIN SHALL BE IN ACCORDANCE WITH CMS 509.02.
3. ALL #4 REINFORCING BARS SHALL BE EPOXY COATED AS PER CMS 509.
4. REINFORCING STEEL SHALL BE PLACED 2" CLEAR (MINIMUM) FROM THE SURFACE OF THE CONCRETE.
5. PAVEMENT WILL BE MADE AS ITEM SPECIAL, CONCRETE PARKING BLOCK, EACH AND INCLUDES REINFORCING STEEL AND ANCHOR PINS.

BUMPER BLOCK DETAIL
NTS

2016 ROAD & BRIDGE STANDARDS

PM-10



INTERNATIONAL SYMBOL OF ACCESSIBILITY - SPECIAL SIZED

NOTES:
1. 1 GRID UNIT = 2 INCHES
2. BLUE MARKING AND WHITE BORDER SHALL BE OMITTED EXCEPT WHERE SPECIFIED IN CONTRACT DOCUMENTS.

VDOT ROAD AND BRIDGE STANDARDS		A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE. PAVEMENT WORD, SYMBOL, AND ARROW MARKINGS SYMBOL DETAILS VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE
SHEET 10 OF 15	REVISION DATE 04/19		704
1340.19			

2016 ROAD & BRIDGE STANDARDS

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402000755
PROFESSIONAL ENGINEER
06/16/2020

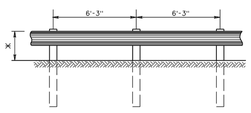
Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	CONSTRUCTION DETAILS
Drawing No.	C7.0

I:\CESO\CNC LOCAL\ROOT DATA\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\03 CIVIL\PLANS\07 SHEETS\C7.0 CONSTRUCTION DETAILS.DWG - 6/9/2020 2:35 PM

2016 ROAD & BRIDGE STANDARDS

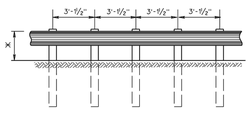
GR-2, 2A

* 27¾" MIN - 28¾" MAX RAIL HEIGHT



GR-2

(6'-3" POST SPACING)
MAX DYNAMIC DEFLECTION = 3'



GR-2A

(3'-1½" POST SPACING)
MAX DYNAMIC DEFLECTION = 2'



* OPTIONAL GR-2A METHOD USING NESTED RAIL



* OPTIONAL GR-2A METHOD USING ADDITIONAL RAIL ON BACK OF POST

* WHEN NESTED RAIL OR ADDITIONAL RAIL IS PLACED ON BACK OF POST FOR GR-2A THE POST SPACING WILL BE 6'-3".

NOTES:

GUARDRAIL LOCATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND CAN BE ADJUSTED DURING CONSTRUCTION IF AND AS DIRECTED BY THE ENGINEER.

FOR DETAILS OF POST AND BLOCKOUTS SEE SHEET NO. 501.05.

FOR DETAILS OF RAIL ELEMENT, RAIL SPLICE JOINT, AND ASSOCIATED HARDWARE SEE SHEET NOS. 501.01 AND 501.02.

RAIL ELEMENTS ARE FURNISHED SHOP CURVED FOR RADII BETWEEN 5 FEET AND 150 FEET.

ALL GUARDRAIL POSTS SHALL BE SET PLUMB. POST SHALL NOT BE SET WITH A VARIATION OF MORE THAN ¼" PER FOOT FROM VERTICAL. W-BEAM, BLOCKOUTS, AND POSTS SHALL BE SET AND ALIGNED WITHOUT ALTERATION OR FORCE, AS PER SECTION 505 OF THE SPECIFICATIONS.

ALL GR-2 AND GR-2A RAIL SHALL BE MAINTAINED AT A HEIGHT OF 27¾" MIN - 28¾" MAX AS MEASURED PER STANDARD GR-1NS.

ALL W-BEAM RAILS SHALL BE LAPPED IN THE DIRECTION OF VEHICULAR TRAVEL FOR THE FINISHED ROADWAY.

THE OPTIONAL GR-2A METHODS OF NESTING THE RAIL OR USE OF AN ADDITIONAL RAIL ON THE BACK OF THE POST FOR STANDARD GR-2A SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

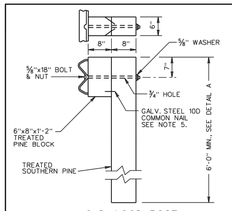
FLARE RATES				
DESIGN SPEED	INSIDE SHY LINE		BEYOND SHY LINE	
MPH	SHY LINE LS	FLARE RATE	FLARE RATE	
70	9'	30:1	15:1	*
60	8'	26:1	14:1	*
50	6.5'	21:1	11:1	*
40	5'	16:1	8:1	*
30	4'	13:1	7:1	*

* SUGGESTED MAXIMUM FLARE RATE FOR SEMI-RIGID BARRIER SYSTEMS.

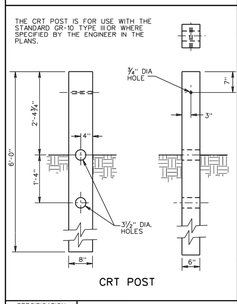
VDOT ROAD AND BRIDGE STANDARDS		A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.	SPECIFICATION REFERENCE
SHEET 1 OF 2	REVISION DATE	STANDARD BLOCKED-OUT W-BEAM GUARDRAIL	221 505
501.04	08/14	(STRONG POST SYSTEM)	
		VIRGINIA DEPARTMENT OF TRANSPORTATION	

2016 ROAD & BRIDGE STANDARDS

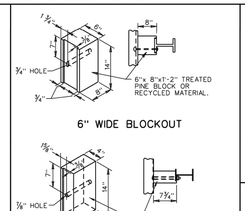
2016 ROAD & BRIDGE STANDARDS



6x8 WOOD POST

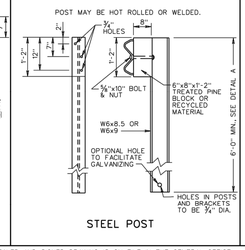


CRT POST



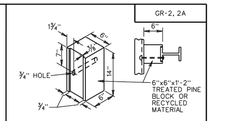
6" WIDE BLOCKOUT

4" WIDE BLOCKOUT



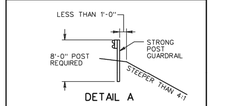
STEEL POST

GR-2, 2A



FOR USE WHEN REPAIRING DAMAGED GUARDRAIL CONTAINING STEEL BLOCKOUTS.

BLOCKOUT FOR MAINTENANCE REPAIR ONLY



DETAIL A

GUARDRAIL INSTALLATION SITES REQUIRING LONGER GUARDRAIL POSTS

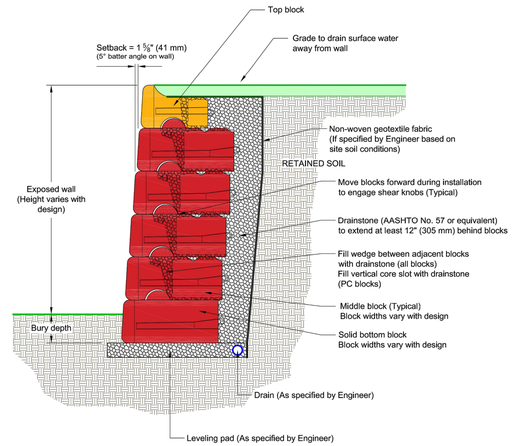
NOTES:

1. ALL BOLTS, NUTS, WASHERS, AND OTHER STEEL ITEMS ARE TO BE GALVANIZED.
2. ALTERNATE TYPE POSTS AND BLOCKOUT MAY BE INTERCHANGED ON ANY ONE PROJECT WITH THE RESTRICTION THAT THE SAME TYPE OF POST AND BLOCKOUT MUST BE USED IN ANY SINGLE RUN OF GUARDRAIL.
3. FOR DETAILS OF GUARDRAIL ELEMENT SPLICE JOINT, HARDWARE, ETC. SEE SHEET NOS. 501.01 AND 501.02.
4. DRIVE NAIL ON BOTH SIDES WITHIN 2" OF THE TOP OR BOTTOM OF BLOCKOUT AFTER ⅝" x 18 BOLT IS INSTALLED.

SPECIFICATION REFERENCE	A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.	VDOT ROAD AND BRIDGE STANDARDS	
221 236 505	STANDARD BLOCKED-OUT W-BEAM GUARDRAIL (STRONG POST SYSTEM, POST AND BLOCKOUT DETAILS)	REVISION DATE 08/14	SHEET 2 OF 2 501.05
	VIRGINIA DEPARTMENT OF TRANSPORTATION		

2016 ROAD & BRIDGE STANDARDS

Typical Gravity Wall Section



This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.

DRAWN BY:	JRJ	TITLE: Typical Gravity Wall Detail	REDROCK 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 ★ engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	JRJ		
DATE:	17MAR2016		
SHEET:	1 of 1	FILE: 1 Typical Gravity Wall Detail 031716.dwg	

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

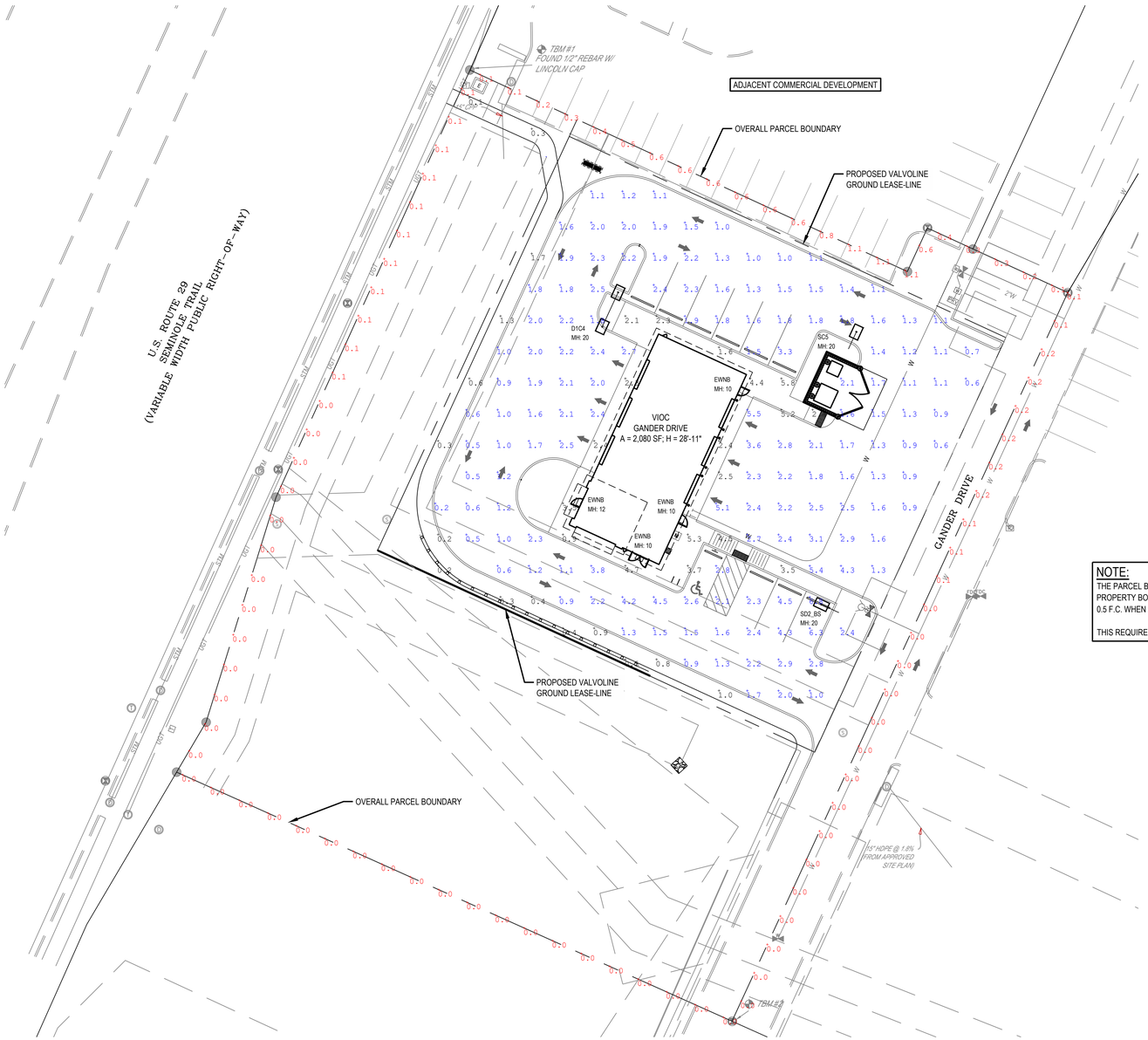
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402020776
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	CONSTRUCTION DETAILS
Drawing No.	C7.1

I:\CESO\INC LOCAL\ROOT\DATA\PROJECTS\VAL\VOLINE\757280 CHARLOTTESVILLE, VA (GANDER RD)\03 CIVIL\PLAN\PLOT SHEETS\C7.0 CONSTRUCTION DETAILS.DWG - 6/9/2020 2:35 PM



NOTE:
THE PARCEL BOUNDARY LINE IS TREATED AS THE OVERALL PROPERTY BOUNDARY IN WHICH FOOT-CANDLES CANNOT EXCEED 0.5 F.C. WHEN ADJACENT TO A PUBLIC ROAD OR RESIDENTIAL AREA.

THIS REQUIREMENT IS MET, AS SHOWN.

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Horiz Spill @ Prop Line	Illuminance	Fc	0.15	1.1	0.0	N.A.	N.A.
Pavement Area	Illuminance	Fc	1.93	6.8	0.2	9.65	34.00
Sidewalk Area	Illuminance	Fc	2.08	5.8	0.1	20.80	58.00

Luminaire Schedule						POLE MOUNTED FIXTURES AT HEIGHT OF 20FT ABOVE FINISHED GRADE (MOUNTED HEIGHT OF FIXTURE INCLUDES POLE BASE)	
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	Lum. Watts
	4	EWNB	SINGLE	N.A.	1.000	1-EWNB0A47301NBLCKD	44
	1	SD2_BS	SINGLE	N.A.	1.000	1-EALP012D2AN750NDD1BLCKF WITH ELS-EAL-ABL-BLCK	93
	1	SC5	SINGLE	N.A.	1.000	1-EALP012CSSM750NDD1BLCKF	67
	1	D1C4	BACK-BACK	N.A.	1.000	2-EALP012C4AF750NDD1BLCKF	73

ARCHITECTURAL REVIEW BOARD STANDARD NOTE:

1. EACH OUTDOOR LUMINAIRE EQUIPPED WITH A LAMP THAT EMITS 3,000 OR MORE INITIAL LUMENS SHALL BE A FULL CUTOFF LUMINAIRE AND SHALL BE ARRANGED OR SHIELDED TO REFLECT LIGHT AWAY FROM ADJOINING RESIDENTIAL DISTRICTS AND AWAY FROM ADJACENT ROADS. THE SPILLOVER OF LIGHTING FROM LUMINAIRES ONTO PUBLIC ROADS AND PROPERTY IN RESIDENTIAL OR RURAL AREAS ZONING DISTRICTS SHALL NOT EXCEED ONE HALF FOOTCANDLE.

Ordering Number Logic

Evolve™ LED Area Light (EALP)



EALP 01 _ __ __ __ 7 __ __ _ _ __ ____ ___

PROD. ID	GENERATION	VOLTAGE	OPTICAL CODE	DISTRIBUTION	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve AL = Area Light P = Premium	01 = 1st Generation	0 = 120-277* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480* * Not available with Fusing. Must choose a discreet voltage with F Option	SM = Symmetric Medium SW = Symmetric Wide AF = Asymmetric Forward AW = Asymmetric Wide AN = Asymmetric Narrow AA = Asymmetric Auto	7 = 70 (min)	30 = 3000K^ 40 = 4000K 50 = 5000K xSelect 3000K CCT for IDA Approved units	N = Dimming thru PE receptacle D = External Dimming 1&2/ 3ft cable All constructions supplied with ANSI C136.41 7-pin Receptacle Note: Standard dimming 0-10V	A = ANSI 7-pin PE receptacle (no control) D = ANSI 7-pin PE receptacle with shorting cap provided Note: See accessories section on page 7 for PE Control ordering	C1 = Integral Slip-fitter 2" Pipe (2.378 in. OD)* D1 = Universal Mounting Arm, fitted for round or square pole mounting** K1 = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon* ++ S1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon* ++ V1 = Knuckle Wall Mount* ++ * Supplied with leads ** Supplied with 16/3 3ft cable ++ Restricted Aiming Angle (7° to +45°	GRAY = Gray BLCK = Black DKBZ = Dark Bronze WHTE = White Contact manufacturer for other colors.	F = Fusing H = Motion Sensor U = cULCanada L = Tool-Less Entry R = Enhanced Surge Protection (10kV/5kA) S1 = Rotated Left1 S2 = Rotated Right1 M = NOM031 (Mexico)* U = DALI dimming**,^ S = 3-Position Terminal Block XXX = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 2.0 nodes ^ Not compatible at 347-480V, with A-level optical code, or with motion sensor control. 1 For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions.



OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000K & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
TYPE V									
C5	Symmetric Medium	7500	8000	67	B3-U0-G2	B3-U0-G2	EALP01_CSSM730_.IES	EALP01_CSSM740_.IES	EALP01_CSSM750_.IES
D5	Symmetric Medium	9400	10000	89	B3-U0-G2	B3-U0-G2	EALP01_DSSM730_.IES	EALP01_DSSM740_.IES	EALP01_DSSM750_.IES
F5	Symmetric Medium	14100	15000	140	B4-U0-G2	B4-U0-G2	EALP01_FSSM730_.IES	EALP01_FSSM740_.IES	EALP01_FSSM750_.IES
H5	Symmetric Medium	18800	20000	183	B4-U0-G2	B4-U0-G2	EALP01_HSSM730_.IES	EALP01_HSSM740_.IES	EALP01_HSSM750_.IES
J5	Symmetric Medium	23500	25000	220	B5-U0-G3	B5-U0-G3	EALP01_JSSM730_.IES	EALP01_JSSM740_.IES	EALP01_JSSM750_.IES
K5	Symmetric Medium	28300	30000	274	B5-U0-G3	B5-U0-G3	EALP01_KSSM730_.IES	EALP01_KSSM740_.IES	EALP01_KSSM750_.IES
L5	Symmetric Medium	32800	33600	327	B5-U0-G4	B5-U0-G4	EALP01_LSSM730_.IES	EALP01_LSSM740_.IES	EALP01_LSSM750_.IES
M5	Symmetric Wide	8000	8500	67	B3-U0-G1	B3-U0-G1	EALP01_MSSW730_.IES	EALP01_MSSW740_.IES	EALP01_MSSW750_.IES
N5	Symmetric Wide	10000	10600	89	B3-U0-G1	B3-U0-G1	EALP01_NSSW730_.IES	EALP01_NSSW740_.IES	EALP01_NSSW750_.IES
Q5	Symmetric Wide	15100	16000	140	B3-U0-G2	B4-U0-G2	EALP01_QSSW730_.IES	EALP01_QSSW740_.IES	EALP01_QSSW750_.IES
S5	Symmetric Wide	20100	21300	183	B4-U0-G2	B4-U0-G2	EALP01_SSSW730_.IES	EALP01_SSSW740_.IES	EALP01_SSSW750_.IES
T5	Symmetric Wide	25200	26700	220	B4-U0-G2	B4-U0-G2	EALP01_TSSW730_.IES	EALP01_TSSW740_.IES	EALP01_TSSW750_.IES
U5	Symmetric Wide	30200	32000	274	B5-U0-G2	B5-U0-G2	EALP01_USSW730_.IES	EALP01_USSW740_.IES	EALP01_USSW750_.IES
V5	Symmetric Wide	33800	35900	327	B5-U0-G2	B5-U0-G3	EALP01_VSSW730_.IES	EALP01_VSSW740_.IES	EALP01_VSSW750_.IES
C4	Asymmetric Forward	7000	7500	73	B1-U0-G2	B2-U0-G2	EALP01_C4AF730_.IES	EALP01_C4AF740_.IES	EALP01_C4AF750_.IES
D4	Asymmetric Forward	9400	10000	93	B2-U0-G2	B2-U0-G2	EALP01_D4AF730_.IES	EALP01_D4AF740_.IES	EALP01_D4AF750_.IES
F4	Asymmetric Forward	14100	15000	136	B2-U0-G3	B2-U0-G3	EALP01_F4AF730_.IES	EALP01_F4AF740_.IES	EALP01_F4AF750_.IES
H4	Asymmetric Forward	18800	20000	183	B3-U0-G4	B3-U0-G4	EALP01_H4AF730_.IES	EALP01_H4AF740_.IES	EALP01_H4AF750_.IES
J4	Asymmetric Forward	23500	25000	220	B3-U0-G4	B3-U0-G4	EALP01_J4AF730_.IES	EALP01_J4AF740_.IES	EALP01_J4AF750_.IES
K4	Asymmetric Forward	28300	30000	274	B3-U0-G4	B3-U0-G5	EALP01_K4AF730_.IES	EALP01_K4AF740_.IES	EALP01_K4AF750_.IES
L4	Asymmetric Forward	32800	33600	327	B3-U0-G5	B3-U0-G5	EALP01_L4AF730_.IES	EALP01_L4AF740_.IES	EALP01_L4AF750_.IES
C3	Asymmetric Wide	7500	8000	73	B1-U0-G1	B2-U0-G2	EALP01_C3AW730_.IES	EALP01_C3AW740_.IES	EALP01_C3AW750_.IES
D3	Asymmetric Wide	10000	10600	93	B2-U0-G2	B2-U0-G2	EALP01_D3AW730_.IES	EALP01_D3AW740_.IES	EALP01_D3AW750_.IES
F3	Asymmetric Wide	15100	16000	136	B2-U0-G2	B2-U0-G2	EALP01_F3AW730_.IES	EALP01_F3AW740_.IES	EALP01_F3AW750_.IES
H3	Asymmetric Wide	20100	21300	183	B3-U0-G2	B3-U0-G2	EALP01_H3AW730_.IES	EALP01_H3AW740_.IES	EALP01_H3AW750_.IES
J3	Asymmetric Wide	25200	26700	220	B3-U0-G3	B3-U0-G3	EALP01_J3AW730_.IES	EALP01_J3AW740_.IES	EALP01_J3AW750_.IES
K3	Asymmetric Wide	30200	32000	274	B3-U0-G3	B3-U0-G3	EALP01_K3AW730_.IES	EALP01_K3AW740_.IES	EALP01_K3AW750_.IES
L3	Asymmetric Wide	33800	35900	327	B3-U0-G4	B3-U0-G4	EALP01_L3AW730_.IES	EALP01_L3AW740_.IES	EALP01_L3AW750_.IES
C2	Asymmetric Narrow	7300	7800	73	B2-U0-G2	B3-U0-G2	EALP01_C2AN730_.IES	EALP01_C2AN740_.IES	EALP01_C2AN750_.IES
D2	Asymmetric Narrow	9800	10400	93	B2-U0-G2	B2-U0-G2	EALP01_D2AN730_.IES	EALP01_D2AN740_.IES	EALP01_D2AN750_.IES
F2	Asymmetric Narrow	14700	15600	136	B3-U0-G3	B3-U0-G3	EALP01_F2AN730_.IES	EALP01_F2AN740_.IES	EALP01_F2AN750_.IES
H2	Asymmetric Narrow	19600	20800	183	B3-U0-G3	B3-U0-G3	EALP01_H2AN730_.IES	EALP01_H2AN740_.IES	EALP01_H2AN750_.IES
J2	Asymmetric Narrow	24500	26000	220	B3-U0-G3	B3-U0-G3	EALP01_J2AN730_.IES	EALP01_J2AN740_.IES	EALP01_J2AN750_.IES
K2	Asymmetric Narrow	29400	31200	274	B3-U0-G3	B3-U0-G3	EALP01_K2AN730_.IES	EALP01_K2AN740_.IES	EALP01_K2AN750_.IES
L2	Asymmetric Narrow	33000	34900	327	B3-U0-G4	B4-U0-G4	EALP01_L2AN730_.IES	EALP01_L2AN740_.IES	EALP01_L2AN750_.IES
KA	Asymmetric Auto	32700	34600	274	B4-U0-G3	B4-U0-G3	EALP01_KAAA730_.IES	EALP01_KAAA740_.IES	EALP01_KAAA750_.IES
LA	Asymmetric Auto	36600	38800	327	B4-U0-G3	B4-U0-G3	EALP01_LAAA730_.IES	EALP01_LAAA740_.IES	EALP01_LAAA750_.IES
AUTO									

Ordering Number Logic

Evolve LED Wall Pack N Series (EWNB)



EWN B _ __ 7 __ _ _ ____ ___

PROD. ID	PHOTOMETRIC SERIES	VOLTAGE	OPTICAL CODE	CRI	LED COLOR TEMP.	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve W = Wall Pack N = Housing Series	B = Photometric Series "B"	0 = 120-277* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480* *Not available with Fusing. Must choose a discreet voltage with F Option.	A4 = Asymmetric Forward B4 = Asymmetric Forward C4 = Asymmetric Forward D4 = Asymmetric Forward E4 = Asymmetric Forward F4 = Asymmetric Forward A3 = Asymmetric Wide B3 = Asymmetric Wide C3 = Asymmetric Wide D3 = Asymmetric Wide E3 = Asymmetric Wide F3 = Asymmetric Wide A2 = Asymmetric Narrow B2 = Asymmetric Narrow C2 = Asymmetric Narrow D2 = Asymmetric Narrow E2 = Asymmetric Narrow F2 = Asymmetric Narrow	7 = 70 (min)	30 = 3000K^ 40 = 4000K 50 = 5000K xSelect 3000K CCT for IDA Approved units	1 = None 3 = Button PE* A = ANSI C136.41 7-pin PE Receptacle # D = ANSI C136.41 7-pin PE Receptacle with Shorting Cap # *Only available with voltage 1,2,3 and 4. # Order Dimming/Control PE as a separate item. See accessories section of this datasheet for ordering information.	N = None Required	BLCK = Black DKBZ = Dark Bronze GRAY = Gray WHITE = White Contact manufacturer for other colors.	D = External Dimming Leads Provided (0-10Volt Input) F = Fusing L = Tool less entry R = 10kV Enhanced Surge Protection H = Motion Sensor # U = DALI Dimming*,^ XXX = Special Options # R & H options cannot be purchased together. Not available with voltage 5, D and H. + Compatible with LightGrid 2.0 nodes. ^ Not compatible at 347-480V, with A-level optical code, or with motion sensor control.

OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V, 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000K & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
TYPE IV									
A4	Asymmetric Forward	4,000	4,300	44	B1-U0-G1	B1-U0-G1	EWNB_A4730_.IES	EWNB_A4740_.IES	EWNB_A4750_.IES
B4	Asymmetric Forward	5,800	6,200	58	B1-U0-G2	B1-U0-G2	EWNB_B4730_.IES	EWNB_B4740_.IES	EWNB_B4750_.IES
C4	Asymmetric Forward	7,500	8,000	70	B1-U0-G2	B1-U0-G2	EWNB_C4730_.IES	EWNB_C4740_.IES	EWNB_C4750_.IES
D4	Asymmetric Forward	9,200	9,800	89	B1-U0-G2	B2-U0-G2	EWNB_D4730_.IES	EWNB_D4740_.IES	EWNB_D4750_.IES
E4	Asymmetric Forward	10,800	11,500	98	B2-U0-G2	B2-U0-G2	EWNB_E4730_.IES	EWNB_E4740_.IES	EWNB_E4750_.IES
F4	Asymmetric Forward	12,900	13,700	125	B2-U0-G3	B2-U0-G3	EWNB_F4730_.IES	EWNB_F4740_.IES	EWNB_F4750_.IES
TYPE III									
A3	Asymmetric Wide	4,300	4,600	44	B1-U0-G1	B1-U0-G1	EWNB_A3730_.IES	EWNB_A3740_.IES	EWNB_A3750_.IES
B3	Asymmetric Wide	6,200	6,600	58	B1-U0-G1	B1-U0-G1	EWNB_B3730_.IES	EWNB_B3740_.IES	EWNB_B3750_.IES
C3	Asymmetric Wide	8,100	8,600	70	B1-U0-G2	B1-U0-G2	EWNB_C3730_.IES	EWNB_C3740_.IES	EWNB_C3750_.IES
D3	Asymmetric Wide	9,900	10,500	89	B2-U0-G2	B2-U0-G2	EWNB_D3730_.IES	EWNB_D3740_.IES	EWNB_D3750_.IES
E3	Asymmetric Wide	11,600	12,400	98	B2-U0-G2	B2-U0-G2	EWNB_E3730_.IES	EWNB_E3740_.IES	EWNB_E3750_.IES
F3	Asymmetric Wide	13,900	14,700	125	B2-U0-G2	B2-U0-G2	EWNB_F3730_.IES	EWNB_F3740_.IES	EWNB_F3750_.IES
TYPE II									
A2	Asymmetric Narrow	4,200	4,500	44	B1-U0-G1	B1-U0-G1	EWNB_A2730_.IES	EWNB_A2740_.IES	EWNB_A2750_.IES
B2	Asymmetric Narrow	6,100	6,500	58	B1-U0-G1	B1-U0-G1	EWNB_B2730_.IES	EWNB_B2740_.IES	EWNB_B2750_.IES
C2	Asymmetric Narrow	7,900	8,400	70	B2-U0-G2	B2-U0-G2	EWNB_C2730_.IES	EWNB_C2740_.IES	EWNB_C2750_.IES
D2	Asymmetric Narrow	9,700	10,300	89	B2-U0-G2	B2-U0-G2	EWNB_D2730_.IES	EWNB_D2740_.IES	EWNB_D2750_.IES
E2	Asymmetric Narrow	11,400	12,100	98	B2-U0-G2	B2-U0-G2	EWNB_E2730_.IES	EWNB_E2740_.IES	EWNB_E2750_.IES
F2	Asymmetric Narrow	13,600	14,400	125	B2-U0-G2	B2-U0-G2	EWNB_F2730_.IES	EWNB_F2740_.IES	EWNB_F2750_.IES

PE Accessories (to be ordered separately)

SAP Number	Part Number	Description
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP Number	Part Number	Description
28299	PECOTL	STANDARD 120-277V
28296	PECSTL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTORS SHALL NOTIFY THE FOLLOWING AGENCIES: VIRGINIA ONE CALL AT 811 OR (800) 552-7001 AND ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NONMEMBERS OF VIRGINIA ONE CALL.

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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

Valvoline
Assistant Diff Manager

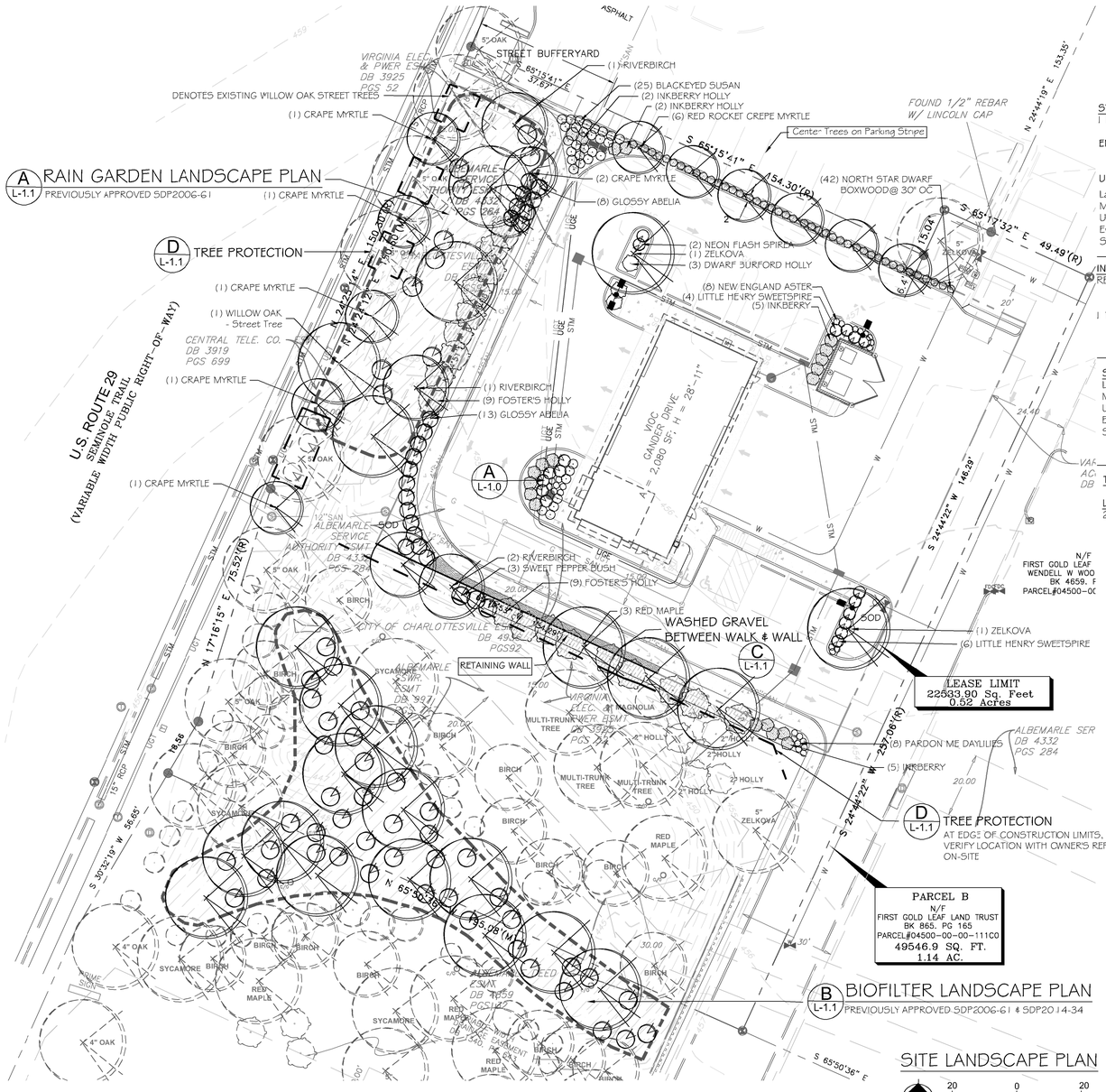
VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

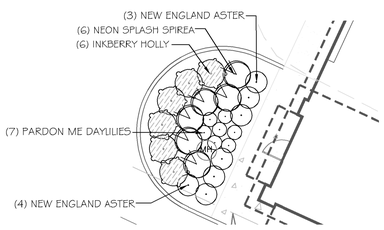
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COMMONWEALTH OF VIRGINIA
ZACHARY DAVID FRESHNER
Lic. No. 0402004775
PROFESSIONAL ENGINEER
06/16/2020

Project No.	757280
Scale	AS NOTED
Drawn	BAB
Checked	TJV
Date	03.06.20
Drawing Title	PHOTOMETRIC PLAN
Drawing No.	C8.0

I:\CESO\NC\LOCAL\ROOT\DATA\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\03-CIVIL\PLANS\PLOT SHEETS\C8.0 PHOTOMETRIC PLAN.DWG - 6/11/2020 3:07 PM





A BUILDING LANDSCAPE DETAIL
SCALE: 1" = 10'

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LANDSCAPE CODE REQUIREMENTS

STREETSCAPE:
1 LARGE TREE SHALL BE REQUIRED FOR EVERY FORTY (40) FEET OF ROAD FRONTAGE, OR PORTION THEREOF.

ENTIRE PARCEL FRONTAGE: 244.09 LF/40 = 6.1 OR 7 TREES REQUIRED
6 EXISTING + 1 PROPOSED= 7 TREES AS SHOWN

US ROUTE 29 SCREENING AT LEASED AREA FRONTAGE: S-3 SCREEN MATERIALS REQUIRED; BASED ON THE MIN. 10' WIDE REQUIRED BUFFER AREA

Large Canopy Trees	1/1,000 SF	146 LF x 10= 1460/1000 = 1.46 or 2 REQUIRED	5 STREET TREES (EXISTING OR PROPOSED) + 3 LARGE CANOPY TREES IN RAINGARDEN
Medium Canopy Trees	1/1,000 SF	146 LF x 10= 1460/1000 = 1.46 or 2 REQUIRED	2 TREES AS SHOWN
Understory Trees	1/500 SF	146 LF x 10= 1460/500 = 2.92 or 3 REQUIRED	3 TREES AS SHOWN
Evergreen Trees	1/175 SF	146 LF x 10= 1460/175 = 8.3 or 9 TREES REQUIRED	9 TREES AS SHOWN
Shrubs	1/200 SF	146 LF x 10= 1460/200 = 7.3 or 8 SHRUBS REQUIRED	21 SHRUBS AS SHOWN + RAINGARDEN SHRUBS

INTERIOR PARKING LANDSCAPED AREAS:
REQUIRED 5% OF PAVED AND VEHICULAR CIRCULATION AREA
16,131 SF (WITHIN LEASED AREA) @ 5% = 806.55 SF REQUIRED 1140 SF AS SHOWN

1 TREE & 3 SHRUBS PER 10 PARKING SPACES
10 SPACES /10 = 1 TREE REQUIRED 2 TREES AS SHOWN
10/3 = 3.33 or 4 SHRUBS REQUIRED 11+ SHRUBS AS SHOWN

SOUTH ADJACENT LEASED AREA PROPERTY BUFFER: S-2 SCREEN MATERIALS REQUIRED; BASED ON THE MIN. 10' WIDE REQUIRED BUFFER AREA

Large Canopy Trees	1/1,000 SF	154 LF x 10 = 1540/100 = 1.54 OR 2 REQUIRED	3 TREES AS SHOWN
Medium Canopy Trees	1/1,000 SF	154 LF x 10 = 1540/100 = 1.54 OR 2 REQUIRED	2 TREES AS SHOWN
Understory Trees	N/A		
Evergreen Trees	1/175 SF	154 LF x 10 = 1540/175 = 8.8 OR 9 REQUIRED	9 TREES AS SHOWN
Shrubs	1/200 SF	154 LF x 10 = 1540/200 = 7.7 OR 8 REQUIRED	8 SHRUBS AS SHOWN

TREE COVERAGE: 10% REQUIRED

LEASE AREA ONLY
22,533.9 @ 10% = 2,253.4 SF REQUIRED 3,432 SF AS SHOWN

QTY.	PLANT NAME	TREE CANOPY EACH SF**	COVERAGE TOTAL LEASE AREA
	LARGE CANOPY TREES		
2	ZELKOVA - Zelkova serrata 'Village Green'	452	904
	MEDIUM CANOPY TREES		
3	RED MAPLE - Acer rubrum 'October Glory'	397	1191
1	RIVERBIRCH - Betula nigra 'Heritage'	397	397
	UNDERSTORY TREES		
2	CRAPE MYRTLE - Lagerstroemia indica x fauriei 'Natchez'	77	154
6	RED ROCKET CRAPE MYRTLE - Lagerstroemia indica 'Whit IV'	77	462
	EVERGREEN TREES		
18	FOSTER'S HOLLY - Ilex x attenuata 'Fosteri'	18	324

**SF COVERAGE PER TREE FROM THE PREVIOUSLY APPROVED SDP2006-61 & SDP2014-34

PLANT MATERIALS LIST

QTY.	PLANT NAME	MINIMUM INSTALLED SIZE
	LARGE CANOPY TREES	
1	WILLOW OAK - Quercus phellos	3-1/2" cal. B/B
2	ZELKOVA - Zelkova serraa 'Village Green'	2-1/2" cal. B/B 6' Clear Trunk
	MEDIUM CANOPY TREES	
3	RED MAPLE - Acer rubrum 'October Glory'	2-1/2" cal. B/B 6' Clear Trunk
4	RIVERBIRCH - Betula nigra 'Heritage'	2-1/2" cal. B/B Single-stem
	UNDERSTORY TREES	
7	CRAPE MYRTLE - Lagerstroemia indica x fauriei 'Natchez'	8' ht. B/B or cont.
6	RED ROCKET CRAPE MYRTLE - Lagerstroemia indica 'Whit IV'	8' ht. B/B or cont.
	EVERGREEN TREES	
18	FOSTER'S HOLLY - Ilex x attenuata 'Fosteri'	6' ht. B/B
	SHRUBS	
21	GLOSSY ABELIA - Abelia x grandiflora*	30" ht. B/B or # 5 cont.
42	NORTH STAR DWARF BOXWOOD - Buxus sempervirens 'Katerberg'	18" ht. B/B or #3 cont.
3	DWARF BURFORD HOLLY - Ilex comuta 'Burford Nana'	24" ht. B/B or #5 cont.
21	INKBERRY HOLLY - Ilex glabra 'Compacta'*	24" B/B or #5
8	NEON SPLASH SPIREA - Spirea bumalda 'Neon Splash'	24" B/B or cont.
10	LITTLE HENRY SWEETSPIRE - Itea virginica 'Sprich'*	24" B/B or cont.
3	SWEET PEPPERBUSH - Gethra alnifolia	36" ht. #5 cont.
	PERENNIALS	
15	PARDON ME DAYLILIES - Hemerocallis x 'Pardon Me'	# 1 cont.
25	BLACK-EYED SUSAN - Rudbeckia hirta*	# 1 cont.
15	NEW ENGLAND ASTER - Symphyotichum novae-angliae*	# 1 cont.

* Denotes Virginia Native Plants

GENERAL LANDSCAPE REQUIREMENTS

1. ALL PLANT MATERIALS SHALL BE NURSERY GROWN AND SHALL BE PLANTED IN ACCORDANCE WITH THE LANDSCAPE SPECIFICATIONS ADOPTED JOINTLY BY THE VIRGINIA NURSERYMEN'S ASSOCIATION, THE VIRGINIA SOCIETY OF LANDSCAPE DESIGNERS AND THE VIRGINIA CHAPTER F THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS.
2. DIAMETERS OF PLANT MATERIALS AS DRAWN ARE REPRESENTATIVE OF PLANTS AT OR NEAR MATURITY RATHER THAN AT INITIAL PLANTING.
3. THE PLANT LIST IS INTENDED AS A GUIDE FOR THE LANDSCAPE CONTRACTOR. IN THE EVENT OF DISCREPANCY BETWEEN THE NUMBER OF PLANTS ON THE PLANT LIST AND ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
4. *LANDSCAPE CONTRACTOR SHALL COORDINATE PLANT INSTALLATION SEQUENCE WITH IRRIGATION CONTRACTOR.*
5. ADJUSTMENTS IN LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO NEW OR EXISTING UTILITIES OR SITE OBSTRUCTIONS. SET NEW TREES A MIN. 10' FROM NEW OR EXISTING UTILITY LINES. ADVISE PROJECT MANAGER BEFORE THE ADJUSTMENTS ARE MADE.
6. ALL SHRUBS OCCURRING IN CONTINUOUS ROW OR FORMAL ARRANGEMENT SHALL HAVE UNIFORM HEIGHT, SPREAD AND HABIT OF GROWTH. FOR PERENNIAL LOCATIONS, FILL AREA WITH QUANTITY OF PLANTS DESIGNATED; EVENLY SPACED.
7. A MINIMUM OF 8" DEPTH OF NEW TOPSOIL SHALL BE PLACED IN ALL BED AREAS BY LANDSCAPE CONTRACTOR PRIOR TO PLANT INSTALLATION. BACKFILL ALL SHRUBS AND TREES WITH BACKFILL MIX OF ONE PART COMPOST TO THREE PARTS TOPSOIL.
8. PLACE WEED BARRIER IN ALL SHRUB BEDS: 5 OZ. WOVEN, NEEDLE-PUNCHED, POLYPROPYLENE FABRIC, OVERLAPPING THE SEAMS.
9. MULCH TREES AND SHRUBS WITH MIN. 3" DEPTH OF "BLACK GOLD" OR APPROVED EQUAL, BLACK DYED SHREDDED HARDWOOD MULCH. MULCH PERENNIALS WITH 2" DEPTH OF MULCH. MULCH SHALL EXTEND IN A CONTINUOUS LAYER WITHIN PLANTING BEDS FROM FACE TO FACE OF SITE STRUCTURES - WALKS, BULDING, CURBS, OR OTHER PLANT BED LIMITS.
10. ALL BED EDGES SHALL BE SPADE-CUT AND CLOSELY ALIGN AS POSSIBLE WITH EDGES AS SHOWN ON DRAWING. KEEP MULCH A MIN. 1/2" BELOW ADJACENT PAVED SURFACES.
11. SOD ALL LAWN DISTURBED AREAS WITHIN PROJECT LIMITS AS NOTED ON CIVIL DRAWINGS; INCLUDING OUT TO PAVEMENT EDGES. REFER TO CIVIL DRAWINGS AND VERIFY EXTENT WITH PROJECT MANAGER.
12. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE-YEAR FROM DATE OF OF ACCEPTANCE. PRIOR TO END OF WARRANTY PERIOD CONTRACTOR SHALL REPLACE ALL TREES, SHRUBS OR PLANTINGS NOT ALIVE OR IN A HEALTHY GROWING CONDITION.
13. ALL SITE PLANTINGS OF TREES AND SHRUBS SHALL BE ALLOWED TO REACH, AND BE MAINTAINED AT, MATURE HEIGHT; THE TOPPING OF TREES IS PROHIBITED. SHRUBS AND TREES SHALL BE PRUNED MINIMALLY AND ONLY TO SUPPORT THE OVERALL HEALTH OF THE PLANT.

LANDSCAPE ARCHITECT:
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YELLOW SPRINGS, OHIO 45387
(O) 937.767.8199 (M) 937.654.8199
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LICENSED IN: OH, KY, PA, IN, IL, MS, MI, VA, TX, OK, AZ, CO & UT

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www.ceseinc.com

No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

Valvoline Instant Oil Change

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

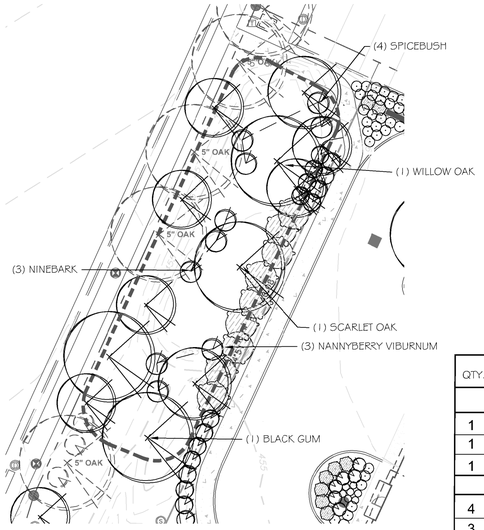
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COMMONWEALTH OF VIRGINIA
ROGER E. BEAL
1955
LANDSCAPE ARCHITECT
NAME: ROGER E. BEAL
REGISTRATION NO: LA #0601001955
EXPIRATION DATE: 08/31/2020

Project No.	757280
Scale	REB
Drawn	REB
Checked	TJV
Date	03.06.20

Drawing Title
LANDSCAPE PLAN

Drawing No.
L-1.0



A RAIN GARDEN #3 LANDSCAPE PLAN

PREVIOUSLY APPROVED SDP2006-61

NORTH

20 0 20 40

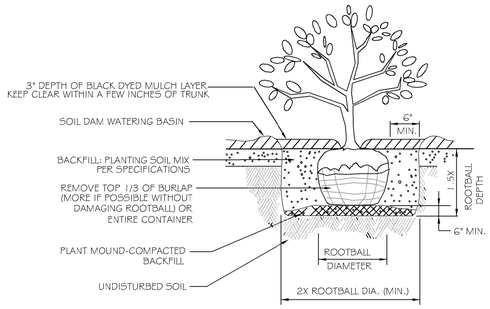
GRAPHIC SCALE (IN FEET)

RAIN GARDEN PLANT MATERIALS

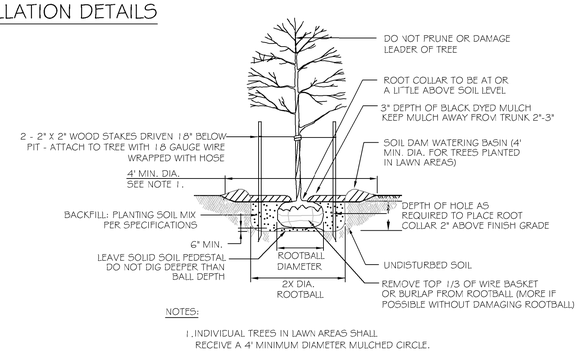
PREVIOUSLY APPROVED SDP2006-61

QTY.	PLANT NAME	MINIMUM INSTALLED SIZE
	TREES	
1	BLACK GUM - Nyssa sylvatica	1" cal. B/B
1	WILLOW OAK - Quercus phellos	1" cal. B/B
1	SCARLET OAK - Quercus coccinea	1" cal. B/B
	SHRUBS	
4	SPICEBUSH - Lindera benzoin	36" ht. #5 cont.
3	NINEBARK - Physocarpus opulifolius	36" ht. #5 cont.
3	NANNYBERRY - Viburnum lentago	36" ht. #5 cont.

PLANT INSTALLATION DETAILS



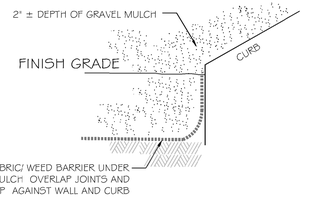
SHRUB PLANTING DETAIL



NOTES:

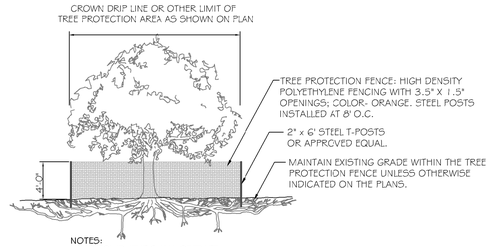
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 4' MINIMUM DIAMETER MULCHED CIRCLE.

SHADE TREE PLANTING DETAIL



C GRAVEL MULCH INSTALLATION

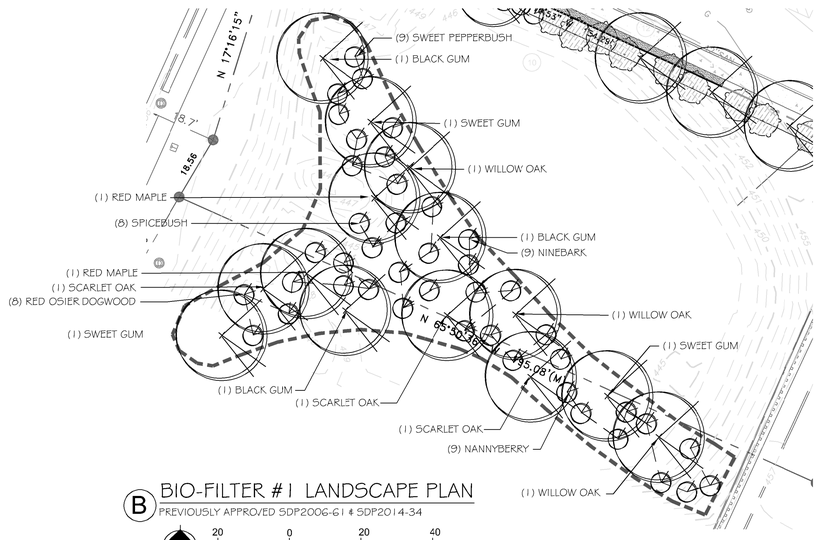
NTS



NOTES:
1. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING NOR SHALL MATERIALS BE STORED WITHIN THE PROTECTIVE FENCING.

D TREE PROTECTION DETAIL

N.T.S



B BIO-FILTER #1 LANDSCAPE PLAN

PREVIOUSLY APPROVED SDP2006-61 & SDP2014-34

NORTH

20 0 20 40

GRAPHIC SCALE (IN FEET)

BIO-FILTER PLANT MATERIALS

PREVIOUSLY APPROVED SDP2006-61 & SDP2014-34

QTY.	PLANT NAME	MINIMUM INSTALLED SIZE
	TREES	
2	RED MAPLE - Acer rubrum	1" cal. B/B
3	SWEETGUM - Liquidambar styraciflua	1" cal. B/B
3	BLACK GUM - Nyssa sylvatica	1" cal. B/B
3	SCARLET OAK - Quercus coccinea	1" cal. B/B
3	WILLOW OAK - Quercus phellos	1" cal. B/B
	SHRUBS	
9	SWEET PEPPERBUSH - Clethra alnifolia	36" ht. #5 cont.
8	RED OSIER DOGWOOD - Cornus stolonifera	36" ht. #5 cont.
8	SPICEBUSH - Lindera benzoin	36" ht. #5 cont.
9	NINEBARK - Physocarpus opulifolius	36" ht. #5 cont.
9	NANNYBERRY - Viburnum lentago	36" ht. #5 cont.

County of Albemarle
Conservation Plan Checklist – To be placed on Landscape Plans
(Handbook, pp III-284-111-297 for complete specifications)

1. **The following items shall be shown on the plan:**
   - ☑ Trees to be saved;
   - ☑ Limits of clearing (outside dripline of trees to be saved);
   - ☑ Location and type of protective fencing;
   - ☑ Grade changes requiring tree wells or walls;
   - ☑ Proposed trenching or tunneling beyond the limits of clearing.
2. **Markings:**
   - ☑ All trees to be saved shall be marked with print or ribbon at a height clearly visible to equipment operators.
   - ☑ No grading shall begin until the tree marking has been inspected and approved by a County Inspector.
3. **Pre-Construction Conference:**
   - ☑ Tree preservation and protection measures shall be reviewed with the contractor on site.
4. **Equipment Operation and Storage:**
   - ☑ Heavy equipment, vehicular traffic and storage of construction materials including soil shall not be permitted within the driplines of trees to be saved.
5. **Soil Erosion and Stormwater Detention Devices:**
   - ☑ Such devices shall not adversely affect trees to be saved.
6. **Fires:**
   - ☑ Fires are not permitted within 100 feet of the dripline of trees to be saved.
7. **Toxic Materials:**
   - ☑ Toxic materials shall not be stored within 100 feet of the dripline of trees to be saved.
8. **Protective Fencing:**
   - ☑ Trees to be retained within 40 feet of a proposed building or grading activity shall be protected by fencing.
   - ☑ Fencing shall be in place and shall be inspected and approved by a County Inspector prior to grading or construction.
9. **Tree Wells:**
   - ☑ When the ground level must be raised within the dripline of a tree to be saved, a tree well shall be provided and a construction detail submitted for approval.
10. **Tree Walls:**
    - ☑ When the ground level must be lowered within the dripline a tree to be saved, a tree wall shall be provided; and a construction detail submitted for approval.
11. **Trenching and Tunneling:**
    - ☑ When trenching is required within the limits of clearing, it shall be done as far away from the trunks of trees as possible. Tunneling under a large tree shall be considered as an alternative when it is anticipated that necessary trenching will destroy feeder roots.
12. **Cleanup:**
    - ☑ Protective fencing shall be the last items removed during the final cleanup.
13. **Damaged Trees:**
    - ☑ Damaged trees shall be treated immediately by pruning, fertilization or other methods recommended by a tree specialist.

NOTE: IT IS THE DEVELOPER'S RESPONSIBILITY TO CONFER WITH THE CONTRACTOR ON TREE CONSERVATION REQUIREMENTS.

Jason Hunt — 5/27/2020
OWNER SIGNATURE **(DATE)**

May 27, 2020
CONTRACT PURCHASER SIGNATURE **(DATE)**

5/1/06 Page 1 of 1

LANDSCAPE ARCHITECT:
YELLOW SPRINGS DESIGN
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No.	Revisions/Submissions	Date
3	FINAL SITE PLAN AND WPO PLAN REVIEW SET	06.16.20
2	INITIAL SITE PLAN REVIEW SET	03.06.20
1	OWNER REVIEW SET	02.24.20

Valvoline Instant Oil Change

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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COMMONWEALTH OF VIRGINIA
ROGER E. BEAL
1955
LANDSCAPE ARCHITECT

NAME: ROGER E. BEAL
REGISTRATION NO: LA 4080001955
EXPIRATION DATE: 06/30/2020

Project No.	757280
Scale	REB
Drawn	REB
Checked	TJV
Date	03.06.20
Drawing Title	LANDSCAPE PLAN
Drawing No.	L-1.1

GENERAL IRRIGATION REQUIREMENTS

1. THE IRRIGATION SYSTEM IS DIAGRAMMATIC BASED UPON THE INFORMATION PROVIDED BY THE OWNER OR THE OWNER'S REPRESENTATIVE. THE SUCCESSFUL CONTRACTOR IS RESPONSIBLE TO INSTALL A SYSTEM THAT WILL PROPERLY COVER ALL AREAS INDICATED ON THE DESIGN. ACTUAL LAYOUT OF PIPING, SPRINKLER HEADS, VALVES, CONTROLLERS AND OTHER RELATED EQUIPMENT SHALL BE DETERMINED ON SITE. MINOR FIELD CHANGES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

IT IS THE RESPONSIBILTY OF THE IRRIGATION CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, STRUCTURES AND UTILITIES AND MAKE THE NECESSARY ADJUSTMENTS TO ACCOMMODATE THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS. THERE MAY BE TIMES WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADES OR DIMENSIONS THAT EXIST MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS SHOULD BE BROUGHT TO THE ATTENTIONS OF THE OWNERS AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND COSTS THAT OCCUR.

2. THIS SYSTEM SHALL BE INSTALLED USING ACCEPTED AND QUALITY INSTALLATION STANDARDS AS USED IN THE INDUSTRY. ALL MANUFACTURER'S SPECIFICATIONS WILL BE FOLLOWED.

3. MAINLINE SHALL BE BURIED A MINIMUM OF 12" OF COVER AND A MAXIMUM OF 18" OF COVER. LATERAL LINE PIPING A MINIMUM OF 12" OF COVER. ALL BACKFILL SURROUNDING THE PIPE SHALL BE CLEANED OF MATERIALS LARGER THAN 1" IN SIZE. BACKFILL SHALL BE ADDED IN 6" INCREMENTS AND MECHANICALLY TAMPED.

4. SYSTEM DESIGN IS BASED ON PRESSURE AND FLOW INFORMATION PROVIDED BY OTHERS. STATIC PRESSURE WAS GIVEN AS 70 PSI AND THE SIZE OF THE P.O.C. IS AS INDICATED ON THE DRAWING. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT DIFFERENCES BETWEEN REQUIREMENTS AND THE ACTUAL READINGS TO THE OWNER'S REPRESENTATIVE. A BOOSTER PUMP MAY BE NECESSARY IF THE REQUIRED PRESSURE IS NOT AVAILABLE. ADDITIONAL COSTS SHALL BE SUBMITTED TO THE OWNER AS A CHANGE ORDER.

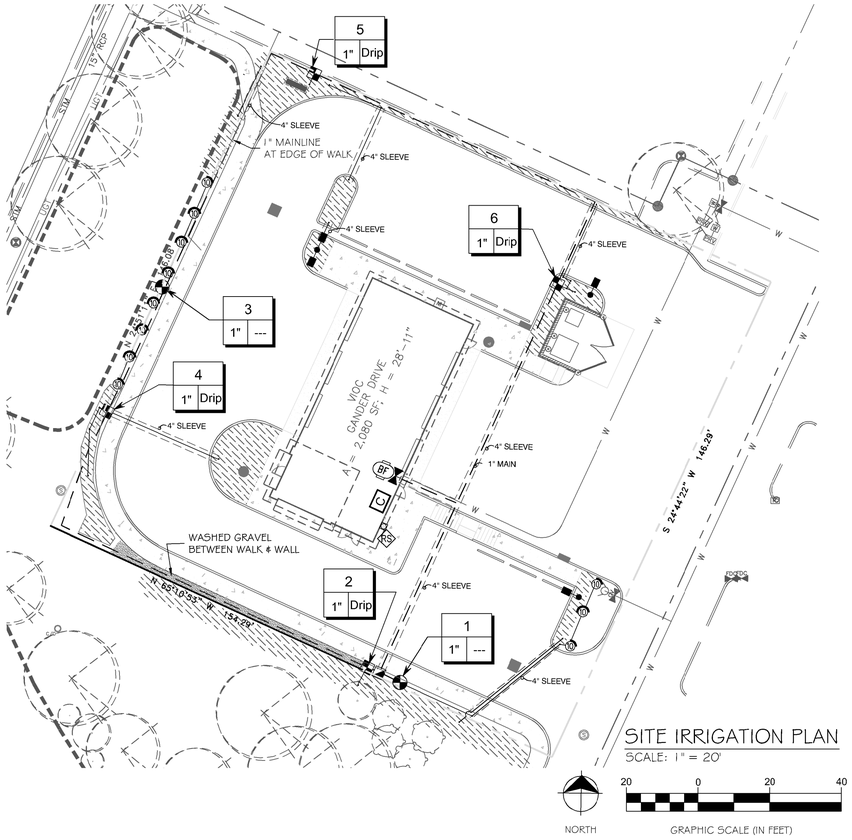
5. PIPING SHOWN IN PAVED AREA WITHOUT SLEEVE IS DIAGRAMMATIC AND SHALL BE LOCATED INSIDE OF PROPOSED SLEEVES, THE PLANTED AREA OR TURF AREA APPROXIMATELY 1' FROM ANY HARDSCAPE.

6. ALL VALVES SHALL BE PLACED IN VALVE BOXES AS SHOWN IN THE DETAILS AND ALL ELECTRICAL CONNECTIONS SHALL BE SEALED WITH WATERPROOF CONNECTORS. CONTROL WIRE SHALL BE SOLID COPPER WIRE U.L. APPROVED FOR DIRECT BURIAL IN THE GROUND. SEE DETAILS.

7. CONTROLLER, RAIN SENSOR, METER, TAP AND BACKFLOW LOCATIONS ARE AS SHOWN ON THE PLAN OR AS STATED IN THE DETAILS AND LEGEND. ALL INFORMATION IS TO BE VERIFIED PRIOR TO ANY INSTALLATION OF THE PROJECT.

8. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL CLEAN UP ASSOCIATED WITH HIS WORK.

9. IRRIGATION CONTRACTOR SHALL ALL PROVIDE THE FIRST WINTERIZATION, SPRING TURN ON, HEAD ADJUSTMENTS AND CONTROLLER MAINTENANCE IN BID.



SITE IRRIGATION PLAN

SCALE: 1" = 20'

IRRIGATION LEGEND

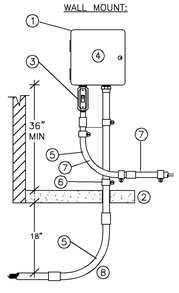
SYMBOL	MANUFACTURER/MODEL
	Rain Bird 1804 10 Series MPR
	Rain Bird 1804 12 Series MPR
	Rain Bird 1804 15 Series MPR
	Rain Bird XCZ-100-PRF
	Area to Receive Dripline Rain Bird XFD-06-18 (22)
	Rain Bird PGA Globe
	Rain Bird 5-RC
	Nibco TI-8
BF	Zurn 375 1"
C	Rain Bird ESP4ME
RS	Rain Bird WR2-RS
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Schedule 40

Valve Callout

Valve Number
#" # Valve Flow / Valve Size

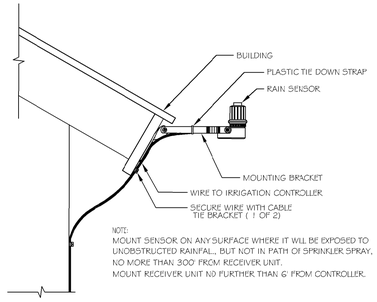
IRRIGATION DETAILS

WALL MOUNT:



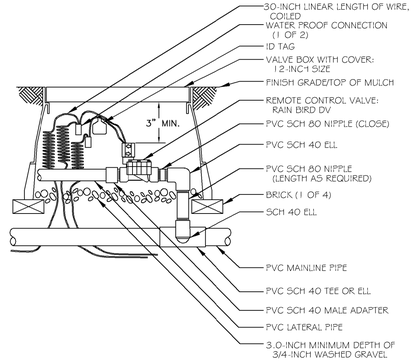
1. TO BE MOUNTED IN UTILITY ROOM NEXT TO SERVICE PANEL.
2. FLOOR INSIDE BUILDING.
3. GFI RECEPTACLE AND LOCKING SWITCH. 110V POWER SOURCE FOR IRRIGATION TIMER. SEE LOCAL CODE.
4. IRRIGATION CONTROLLER, MOUNT ON INSIDE WALL OF BUILDING. INSTALL WITH PVC ELECTRICAL CONDUIT (GRAY), WITH LONG SWEEP ELBOWS.
5. LONG SWEEP ELBOW, ELECTRICAL CONDUIT (GRAY) SCH40 PVC. SEE ELECTRIC CODE.
6. WALL BRACKET STAND OFF TO ANCHOR CONDUIT TO WALL. SEE LOCAL ELEC., CODES.
7. ELECTRICAL CONDUIT (GRAY), SIZE 1" MINIMUM. FOR 110V POWER SUPPLY. SEE LOCAL ELECT. CODES.
8. ELECTRIC CONDUIT (GRAY) SCH40, FOR LOW VOLTAGE IRRIGATION CONTROL WIRE TO REMOTE CONTROL ZONE VALVE. SIZE TWICE THE SIZE OF WIRE BUNDLE.

RAINBIRD ESP CONTROLLER
NTS SECTION



NOT:
MOUNT SENSOR ON ANY SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFAL, BUT NOT IN PATH OF SPRINKLER SPRAY, NO MORE THAN 300' FROM RECEIVER UNIT.
MOUNT RECEIVER UNIT NO FURTHER THAN 6' FROM CONTROLLER.

RAINBIRD RAIN SENSOR
NTS SECTION



RAINBIRD DV-100 ELECTRIC VALVE
NTS SECTION

va811.com Dig With CARE

LANDSCAPE ARCHITECT:
YELLOW SPRINGS DESIGN
PO Box 472 205 PARK MEADOWS DR.
YELLOW SPRINGS, OHIO 45387
(O) 937.767.8199 (M) 937.654.8199
yellowspringsdesign@bizwoh.rr.com
LICENSED IN: OH, KY, PA, IN, IL, MS, MI, VA, TX, OK, AZ, CO & UT

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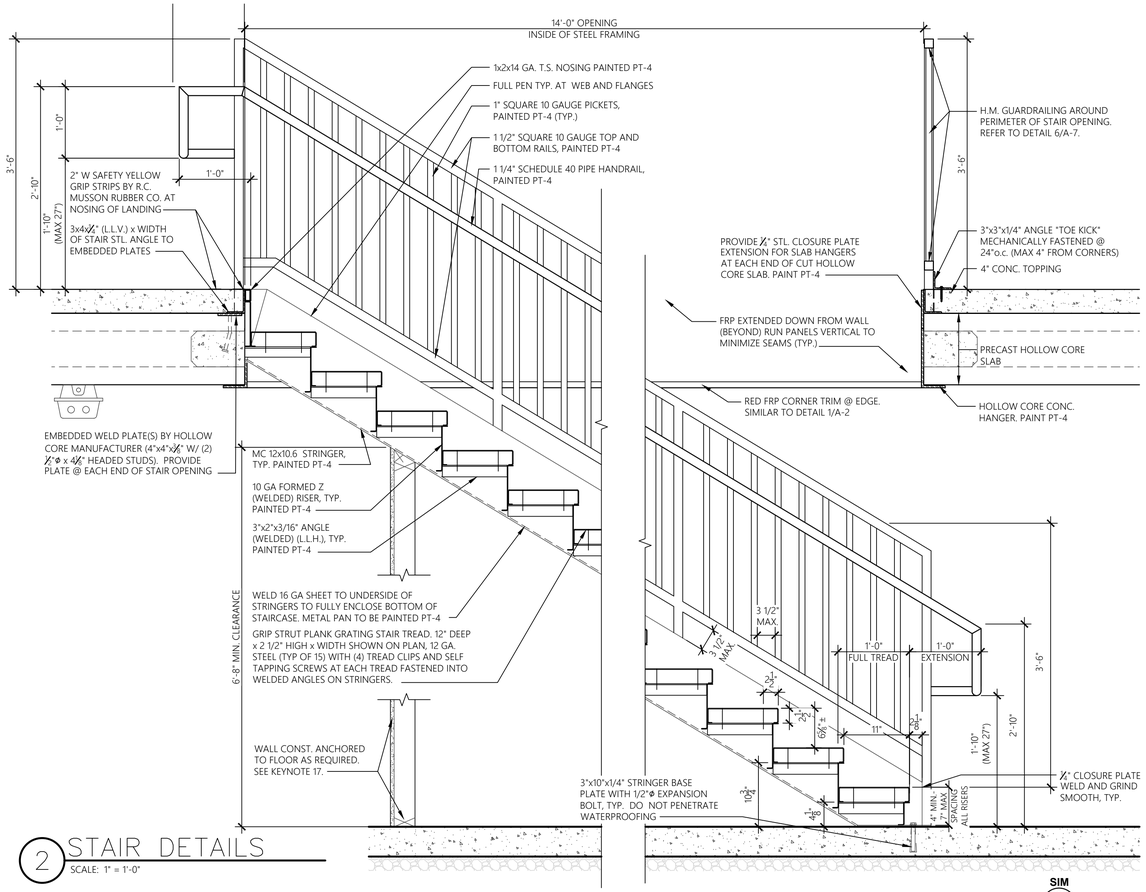
COMMONWEALTH OF VIRGINIA
ROGER E. BEAL
1955
LANDSCAPE ARCHITECT

NAME: ROGER E. BEAL
REGISTRATION NO: LA 40GDD 1955
EXPIRATION DATE: 06/01/2020

Project No.	757280
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Drawing Title
SITE IRRIGATION PLAN

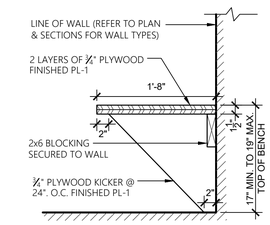
Drawing No. L-2.0



2 STAIR DETAILS
SCALE: 1" = 1'-0"

FLOOR PLAN KEY NOTES:

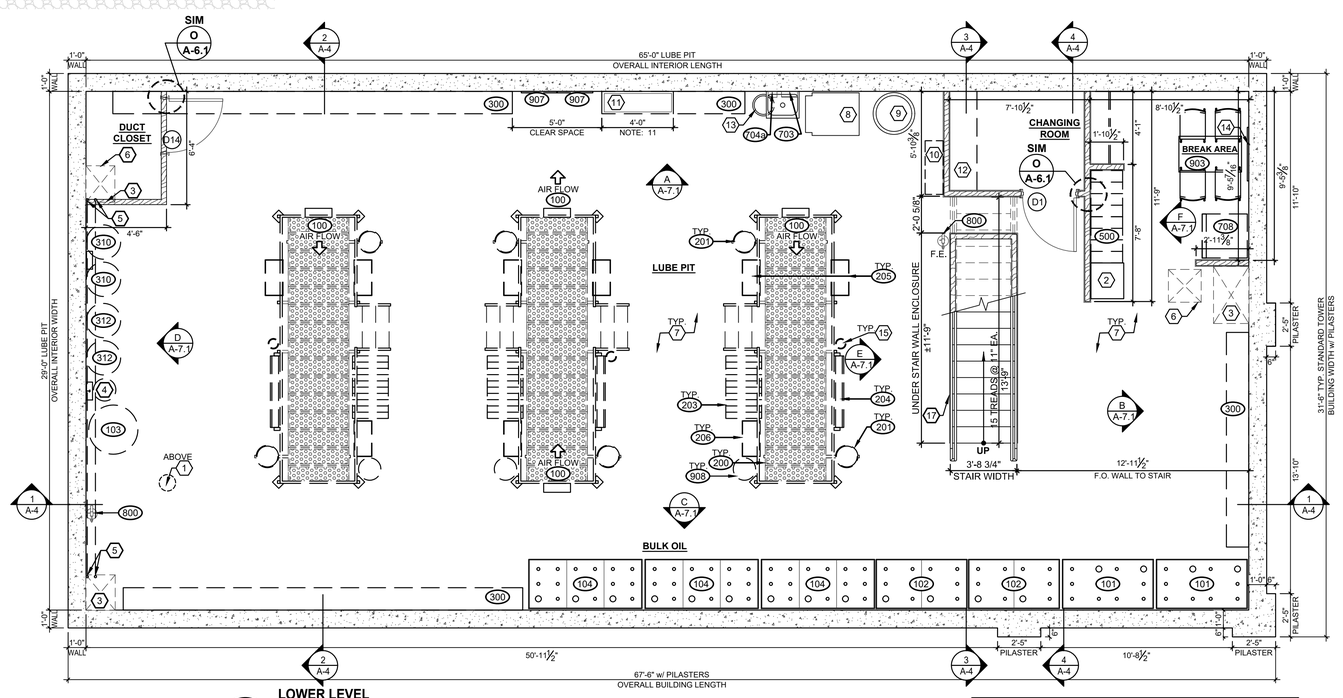
1. 11" PVC CHASE UP THRU SLAB w/ LIP OF PIPE EXTENDING 1" BELOW FINISH FACE OF CEILING. COORDINATE LOCATION w/ STRUCTURAL, PLUMBING, AND CEILING PLANS.
2. DIRTY UNIFORM CABINET.
3. LINE OF CHASE ABOVE.
4. GEAR OIL CANISTER.
5. ROUTE PROCESS PIPING FROM DRUM TRANSFER STATION @ UPPER LEVEL, DOWN IN CHASE TO LUBE BAR DRUM TRANSFER IN LUBE PIT. COORDINATE ROUTING IN FIELD.
6. MECHANICAL DUCT ABOVE. SEE MECHANICAL PLANS.
7. PROVIDE UNDERSLAB WATERPROOFING BENEATH ENTIRE LOWER LEVEL- SEE WATERPROOFING DETAILS THIS SHEET.
8. OIL/WATER SEPARATOR - SEE PLUMBING PLANS.
9. ABOVE SLAB SUMP PUMP - SEE PLUMBING PLANS.
10. BELT RACK.
11. BUMP HAT STORAGE.
12. CHANGING BENCH - REFER TO DETAIL 3/A-1
13. LUBE PIT/SUMP CROCK BASIN.
14. CORK BOARD BY G.C. - REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
15. TIRE ROTATION AIR LINE LOCATION. G.C. TO COORDINATE W/ VENDOR.
16. (NOT USED)
17. WALL ENCLOSURE UNDER STAIRS. INSTALL 5/8" PLYWOOD OVER 2x4 STUDS. FINISHED FACE OF PLYWOOD TO BE ALIGNED WITH OUTSIDE FACE OF STAIR STRINGER. INSTALL W-2 ON SURFACE, ALL SIDES



3 BENCH DETAIL
SCALE: N.T.S.

FIXTURE AND EQUIPMENT SCHEDULE - 3 BAY

ITEM	QTY	DESCRIPTION	MANUF.	MODEL #	SIZE (OVERALL) W	D	H	ELECTRICAL V	PH	HP	KW	AMP	PLUMBING CW	HW	FW	W	GAS	SUPP BY	INST BY	REMARKS
100	7	20" WORK STATION FAN	DAYTON	GRAINGER #2LV89	20"	6"	18"	120										GC	GC	GC TO PROVIDE BLOCKING IN WALL AS REQUIRED
101	2	500 GAL TOTAL SINGLE WALL 1 COMPARTMENT TANK	TBD	SR-500	60"	32"	64"											OWNER	GC	PER UL 142 SPECIFICATIONS GC SHALL RECEIVE, SET AND VENT TANKS
102	2	500 GAL TOTAL SINGLE WALL 2 COMPARTMENT TANK 250 GAL EACH COMPARTMENT	TBD	SR-500 50/50	60"	32"	64"											OWNER	GC	PER UL 142 SPECIFICATIONS GC SHALL RECEIVE, SET AND VENT TANKS
103	1	200 GAL. TANK -WASTE ANTIFREEZE																OWNER	GC	
104	3	600 GAL TOTAL SINGLE WALL 3 COMPARTMENT TANK 200 GAL. EACH COMPARTMENT	TBD	SR-600 33/33/33	76"	32"	64"											OWNER	GC	PER UL 142 SPECIFICATIONS GC SHALL RECEIVE, SET AND VENT TANKS
200	3	CATWALK w/ STEPS AND HANDRAILS	DEVON	E915	180"	52"												OWNER	DEVON	
201	6	DRUM SUPPORT BRACKET	DEVON INDUSTRIES	E903-B														OWNER	DEVON	
202	3	DRIP CATCH PAN	DEVON INDUSTRIES	E903-DP														OWNER	DEVON	NOT SHOWN ON PLAN
203	3	OIL FILTER DISPENSING RACK	DEVON INDUSTRIES	E304														OWNER	DEVON	
204	3	TECHNICIAN TOOL BOARD	DEVON INDUSTRIES	E430-V														OWNER	DEVON	
205	6	UTILITY SHELF (2-TIER)	DEVON INDUSTRIES	E300-2														OWNER	DEVON	M-307 MOLDED RUBBER BUMPER BOTH BOTTOM CORNERS
206	3	UTILITY SHELF (3-TIER)	DEVON INDUSTRIES	E300-3														OWNER	DEVON	M-307 MOLDED RUBBER BUMPER BOTH BOTTOM CORNERS
207	1 3	TECHNICIAN STEP STOOL UPPER LEVEL LOWER LEVEL	COTTERMAN	UPPER LEVEL - A1N2222A320BCJP6-09990010 LOWER LEVEL - A2N2222A2G0BCJP6-09990001														OWNER	GC	NOT SHOWN ON PLAN. ONE AT EACH CATWALK AND ONE AT UPPER LEVEL
300	SEE PLAN	INVENTORY SHELVING	DEVON INDUSTRIES	E-601														OWNER	DEVON	SEE PLANS TO DETERMINE LINEAR FOOTAGE NEEDED
300A	SEE PLAN	INVENTORY SHELVING	DEVON INDUSTRIES	E-601 (1'-0" DEPTH)														OWNER	DEVON	SEE PLANS TO DETERMINE LINEAR FOOTAGE NEEDED
301	1	CASHIER / COMPUTER STATION w/ DOORS	DEVON INDUSTRIES	C7030-DX	30"	30.5"	54"											OWNER	DEVON	BLACK
302	3	PEDESTAL POST PODIUM	DEVON INDUSTRIES	CP-09														OWNER	DEVON	G.C. TO PROVIDE ELECT. REF. ELECTRICAL PLANS
302A	0	PEDESTAL POST PODIUM SPACE SAVER	DEVON INDUSTRIES	FP-13														OWNER	DEVON	G.C. TO PROVIDE ELECT. REF. ELECTRICAL PLANS.
303	2	LUBE DISPENSING CONSOLE 11 DISPENSERS	DEVON INDUSTRIES	E101	30"	14"	41"											OWNER	DEVON	REQUIRES 26'-10" FLOOR OPENING. HOSE GUIDES INCLUDED w/ UNIT (BY GC)
304	3	ROLLING DRAIN PAN	DEVON INDUSTRIES	E203														OWNER	DEVON	NOT SHOWN ON PLAN
305	3	"PIT BULL" SAFETY NET	BRW UNLIMITED SEVICES, INC.	PIT BULL														OWNER	GC	OPTIONAL TO #305 PIT COVER. VERIFY W/ OWNER REP.
306	1	AUTOMATIC TRANSMISSION FLUID EXCHANGE EQUIPMENT	RTI		15.5"	29.5"	44"	115	1		2							OWNER	OWNER	
307	1	ANTIFREEZE DRAIN AND FILL SYSTEM	RTI		28"	21"	44"											OWNER	OWNER	
308	1	FLUID EVACUATOR	FLUID EVACUATORS	EZ1	10" ø		30"											OWNER	OWNER	NOT SHOWN ON PLAN
309	3	LOW RISE CAR LIFT	NORCO	79324G W/VIOC ACCESSORIES														OWNER	GC	PLUMB DEVON
310	2	WINDSHIELD WASHER FLUID	VISIBLE SOLUTIONS															OWNER	OWNER	105 GALLON TANK
311	1	OIL DISPENSING BAR																OWNER	DEVON	
312	2	ANTIFREEZE TANK																OWNER	GC	105 GALLON TANK WITH PNEUMATIC PUMP
400	1	AIR COMPRESSOR	SAYLOR-BEALL	SINGLE PHASE VT-735-120-1-18 THREE PHASE VT-735-120-3														OWNER	GC	WIRING BY GC. VIBRATION ISOLATION DAMPERS ON COMPRESSOR SHALL BE INSTALLED BY ZONES
401		NOT USED																		
402	1	ELECTRONIC TIMER DRAIN VALVE SYSTEM	AIRCEL															OWNER	OWNER	INSTALLED ON BOTTOM OF AIR COMPRESSOR
403	3	HOSE GUIDE ASSEMBLY	ALEMITE															OWNER	DEVON	
404	2	HOSE REELS	ALEMITE															OWNER	DEVON	
405	4	AUTOMATIC TIRE INFLATOR	HALTEC CORPORATION	89-XDA-VAV				110	1									OWNER	HALTEC	(1) STAND; ALL OTHERS WALL MOUNTED; PEX PIPING
406	1	SERVICE BELL RINGER	MILTON	#805														GC	GC	100' HOSE
500	2	LOCKERS			31"	21¼"	841/2"											OWNER	GC	SECURE TO WALL PER MANUF'S RECOMMENDATIONS
501	4	WAITING ROOM CHAIRS																OWNER	OWNER	
502	1	STOOL																OWNER	OWNER	
503	1	SECURITY CABINET																OWNER	GC	
504	3	RECTANGULAR CONVEX MIRROR	GRAINGER	1CYZ1	18"		12"											GC	GC	MOUNT AT 77" A.F.F.
600	SEE LEVEL	LOGO SIGN																OWNER	SIGN	GC SHALL COORDINATE w/ SIGN CONTRACTOR
601	SEE LEVEL	LANE INDICATOR SIGN																OWNER	SIGN	GC SHALL COORDINATE w/ SIGN CONTRACTOR
700	1	GRAB BAR - 36"	BOBRICK	B6806X36														GC	GC	
701	1	GRAB BAR - 42"	BOBRICK	B6806X42														GC	GC	
702	1	TOILET PAPER HOLDER	BOBRICK	B-685														GC	GC	
703	3	PAPER TOWEL DISPENSER	GRAINGER	4TET5	12¼"	10½"	14¼"											GC	GC	
704	1	LIQUID SOAP DISPENSER	GRAINGER	3LG15	7"	5¼"	16½"											GC	GC	
704A	2	FOAM SOAP DISPENSER	GRAINGER	3WU72	6"	4"	10½"											GC	GC	GOJO DISPENSER
705	1	MIRROR	BOBRICK	B-165X1836														GC	GC	
706	1	GRAB BAR – 18" (VERTICAL)	BOBRICK	B7806X18														GC	GC	
707	1	BABY CHANGING STATION	KOALA KARE	KB200-00 CREAM														GC	GC	GC TO PROVIDE BLOCKING AS REQUIRED
708	1	REFRIGERATOR	AMANA	ASI2175GRB														GC	GC	21 CF SIDE BY SIDE – BLACK w/ ICE MAKER BEST BUY SKU# 6191470
708	-	**REFRIGERATOR (ALTERNATE)**	FRIGIDAIRE	LFSS2312TE														GC	GC	22.1 CF SIDE BY SIDE – BLACK W/ ICE MAKER LOWE'S ITEM# 852865
800	5	FIRE EXTINGUISHER 10LB ABC W/ WALL MOUNT BRACKET	AMEREX	B456														GC	GC	ALL FIRE EXTINGUISHER TYPES/ MODELS SHALL BE CONFIRMED WITH LOCAL FIRE MARSHAL PRIOR TO PROCUREMENT AND INSTALLATION
801	1	FLOOR SAFE	FIREKING SECURITY GROUP	MI8014K-SG4440														GC	GC	SAFE TO BE PROVIDED w/ (5) KEYS. VENDOR CONTACT: SUSAN JENKINS (800) 452-4655 x3158 cell (812) 537.2460
901	1	MURAL																OWNER	GC	
902	4	SNAP FRAME DISPLAY			28"		44"											OWNER	GC	
903	1	1 TABLE & 4 CHAIRS																OWNER	GC	BREAKROOM FURNITURE
904	2	INFORMATION SIGN			28"		44"											OWNER	GC	
905	3	1'-10" X 2'-0" ACCESS PANEL	BEST ACCESS DOORS	SKU: BA-AHD-22-30	22"		30"											GC	GC	
906	1	ANTIFREEZE WASTE SINK			18"	12"	14"											GC	GC	SEE DETAIL 1/A-7
907	2	FAST TRACK RACK (GLOVE DRYING)	RUBBERMAID	MODEL# 48" RAIL (BLACK)	48"		2"											GC	GC	PROVIDE MOUNTING HDWR. & 10 COMPACT HOOKS
908	3	OILY WASTE CAN	GRAINGER	3AD94	14" Ø		18"											GC	GC	(1) PER BAY IN LUBE PIT



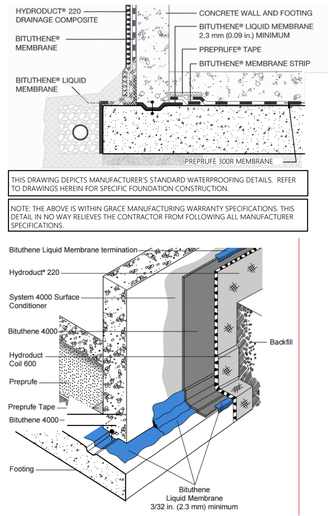
0 LOWER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

3BRH-STnD A1 Lower Level Floor Plan.dwg

NOTE:LIGHT BROOM FINISH ON PIT FLOOR WITH (3) COATS OF MASTERKURE CC HIGH GLOSS. TWO COATS AT TIME OF INITIAL FINISH AND ONE COAT AFTER CLEANING, JUST PRIOR TO TURNOVER.

NOTE: REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

NOTE: (2) 500 GALLON WASTE OIL TANKS SHOULD BE PLACED AT END OF ACCESSIBLE END OF BUILDING FOR TRUCKS, BASED ON SITE CONDITIONS



THIS DRAWING DEPICTS MANUFACTURER'S STANDARD WATERPROOFING DETAILS. REFER TO DRAWINGS HEREIN FOR SPECIFIC FOUNDATION CONSTRUCTION.

NOTE: THE ABOVE IS WITHIN GRACE MANUFACTURING WARRANTY SPECIFICATIONS. THIS DETAIL IN NO WAY RELIEVES THE CONTRACTOR FROM FOLLOWING ALL MANUFACTURER SPECIFICATIONS.

GCP Applied Technologies Membrane Installation

- ALL SURFACES MUST BE FREE FROM DIRT, GREASE, DUST, CONCRETE GROUT, OR OTHER CONTAMINANTS.
- BITUTHENE LIQUID MAY BE APPLIED AT TEMPERATURES ABOVE 26° F

1 WATERPROOFING DETAIL
SCALE: N.T.S.

CESO
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3601 RIGBY ROAD, SUITE 300, MIAMISBURG, OH. 45342
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No.	Revisions/Submissions	Date
	PERMIT SET	06.30.20
	OWNER REVIEW	02.19.20

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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STATE OF SOUTH CAROLINA
BRADLEY L. HARDING
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title
LOWER FLOOR PLAN

Drawing No. **A-1**

W:\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\02-BLDG\PLAN\DWG\3BRH-STnD ArchCAD 2020 Q1\3BRH-STnD A1 Lower Level Floor Plan, 6/29/2020 10:40:40 AM, MADDIE.CRANE

FINISH SCHEDULE

ROOM / UPPER LEVEL	FLOOR	BASE	WALLS				CEILING / EXPOSED STRUCTURE	REMARKS
			FULL HEIGHT	WAINSCOT HEIGHT	WAINSCOT BOTTOM	WAINSCOT TOP		
WAITING AREA	F-2	B-1	PR-3/PT-1	PER INT. ELEV.	W-1	PR-3/PT-1	PR-3/PT-3	SEE INTERIOR ELEVATIONS FOR WAINSCOT
OFFICE	F-2	B-1	PR-3/PT-5	PER INT. ELEV.	W-1	PR-3/PT-5	PR-3/PT-3	SEE INTERIOR ELEVATIONS FOR WAINSCOT
UNISEX RESTROOM	F-2	B-1	PR-3/PT-1	PER INT. ELEV.	W-1	PR-3/PT-1	PR-3/PT-3	SEE INTERIOR ELEVATIONS FOR WAINSCOT
MECHANICAL ROOM	F-3	--	PR-1/PT-5				PR-2/PT-5	
SERVICE BAYS	F-1	B-2	PR-3/PT-5	PER INT. ELEV.	W-2	PT-5	PR-3/PT-3	SEE 3/A-7 FOR WAINSCOT DETAIL
UTILITY ROOM	F-3	B-1	PR-3/PT-5	PER INT. ELEV.	W-1	PR-3/PT-5	PR-3/PT-3	SEE INTERIOR ELEVATIONS FOR WAINSCOT
STORAGE AREA	F-1	B-2	PR-3/PT-5	PER INT. ELEV.	W-2	PR-3/PT-5	PR-3/PT-3	SEE 3/A-7 FOR WAINSCOT DETAIL
DRUM TRANSFER STATION	F-1	B-2	PR-3/PT-5				PR-3/PT-3	
LOWER LEVEL								
LUBE PIT	F-3	B-1/B-2	PR-1/PT-5				PR-2/PT-5	W-2 ON STAIR WALL
BREAK/LOCKER AREA	F-3	B-1	PR-1/PT-5				PR-2/PT-5	
CHANGING ROOM	F-3	B-1	PR-1/PT-5				PR-2/PT-5	
DUCT CLOSET	F-3	B-1	PR-1/PT-5				PR-2/PT-5	

ITEM	FINISH	REMARKS
EXPOSED STEEL AT LUBE PIT OPENINGS	"VALVOLINE RED" SEE SPEC 9901	WIRE BRUSH RUST SPOTS PRIOR TO PRIMING.
EXPOSED STEEL AT STAIR	"VALVOLINE RED" SEE SPEC 9901	WIRE BRUSH RUST SPOTS PRIOR TO PRIMING.
STAIR RAIL	"VALVOLINE RED" SEE SPEC 9901	WIRE BRUSH RUST SPOTS PRIOR TO PRIMING.

NOTES:
1. ANY MOISTURE PROBLEMS SUCH AS ROOF LEAKS, IMPROPER GRADING, ETC. MUST BE CORRECTED PRIOR TO PAINT APPLICATION.
2. CLEAN & PREPARE ALL SURFACES ACCORDING TO COATING MFG. RECOMMENDATIONS.
3. ALL GALVANIZED SURFACES SHALL BE CLEANED WITH SOLVENT AS RECOMMENDED BY MFG. PRIOR TO PRIMING AND PAINTING W/ MTL. PRIMERS. RUSTED AREAS SHOULD PREPARED PER SSPC-SP2 OR SP3 HAND OR POWER TOOL CLEANING & PRIMED WITH PR-2 PRIOR TO APPLICATION OF SPECIFIED FINISH COATS.
4. ALL SURFACES SHALL RECEIVE (2) APPLICATIONS OF TOP COAT, APPLIED ACCORDING TO MFG. RECOMMENDATIONS.
5. ENTIRE DOOR & FRAME SHALL BE PAINTED ONE COLOR AS NOTED.
6. ALL WELDS SHALL BE GROUND SMOOTH PRIOR TO PRIME COAT.
7. ALL EXPOSED LINTELS SHALL BE PAINTED THE SAME COLOR AS THE DOOR FRAME AT MAN DOORS AND TO MATCH THE DESERT SAND METAL COLORS AT ALL OTHER EXPOSURES.

FINISH LEGEND

Mark	Color	Finish	Manufacturer	Product
Primers:				
PR-1	Tinted to match		Sherwin Williams	Heavy Duty Block Filler B42W46
PR-2	Tinted to match		Sherwin Williams	Pro -Cryl Primer B66 - 310 Series
PR-3	Tinted to match		Sherwin Williams	Prep-Rite 200 Prim er B28W200
Paints:				
PT-1	SW7012 (Creamy)	Gloss	Sherwin Williams	Water Base Industrial Enamel B66-300 Series
PT-2	SW7515 (Homestead Brown)	Gloss	Sherwin Williams	Sher -Cryl HPA B66 -300 Series
PT-3	Ceiling White	Gloss	Sherwin Williams	Water Base Industrial Enamel B66-300 Series
PT-4	Valvoline Red	Gloss	Sherwin Williams	Water Base Industrial Enamel B66-300 Series Color to match Pantone 485 RED
PT-5	Ultra White	Gloss	Sherwin Williams	Water Base Industrial Enamel B66-300 Series
Wall Panels:				
W-1	S-490N Light Gray	Smooth	Marlite	FRP Panel w/ Matching Color Trims – Class C
W-2	Mauna Loa (1295)	Satin Sandstone	Crane Composites	FRP Panel w/ Matching Color Trims – Class C
Plastic Laminate:				
PL-1	Dove Grey	Matte	Wilsonart	Standard HPL Finish D92-60
Floor Finish:				
F-1	See Finish Note F		Silikal / Sherwin Williams	Seamless, Resinous System - See Finish Note F
F-2	51910 Classic Black		Armstrong	12"x12"x1/8" VCT (Wax Floor)
F-3	Clear	High Gloss	MastureKure	MastureKure CC 300 , 3 Coats, Min. See Finish Note E
Base:				
B-1	Black	Smooth	Roppe or Eq.	700 Series 4" Rubber Cove Base
B-2	See Finish Note C		Silikal	Seamless, Resinous System
Solid Surface:				
SS-1	Baja Melange	#9030 ML	WilsonArt	Gibralter (Window Sills)

FINISH NOTES

A. W-1 FINISH SHALL BE MARLITE .090 PANELS. CONTACT (330) 343-6621. USE B-1 BASE w/ THIS WALL FINISH.

B. W-2 FINISH IS AVAILABLE THROUGH CRANE COMPOSITES. CONTACT: KEVIN BELLINGER @ (704) 904-4730.

C. PROVIDE STANDARD FRP TRIMS & MOLDINGS IN COLORS TO MATCH FRP FOR FINISHES W-1 & W-2. COMPLY w/ MANUFACTURERS INSTALLATION GUIDELINES USING ONLY APPROVED ADHESIVES AND SEALANTS.

D. (NOT USED)

E. PROVIDE LIGHT BROOM FINISH @ CONCRETE SURFACES SCHEDULED TO RECEIVE F-3.

F. F-1 SHALL BE A SEAMLESS, RESINOUS QUARTZ FLOORING SYSTEM AS MANUFACTURED BY SILIKAL OR DUR-A-FLEX. QUARTZ FLOORING SYSTEM SHALL CONSIST OF 61 CQ SELF-LEVELING BLACK SURFACE COAT, FOLLOWED BY BROADCAST COAT (70% BLACK, 10% BLUE, 10% GREY, 10% WHITE), FOLLOWED BY TWO TOPCOATS OF R71 SEALER. INTEGRAL BASE IS INCLUDED AS PART OF THIS FLOORING SYSTEM. PROVIDE YELLOW CAUTION STRIPING AND BLUE END-OF-BAY MARKING INTEGRAL w/ FLOOR FINISH - SEE FLOOR PLAN. PAINT TO BE SHERWIN WILLIAMS, PROPARK WATERBORNE TRAFFIC PAINT - BLUE. FOR PRICING, DISTRIBUTION, AND INSTALLATION, CONTACT THE FOLLOWING:
*JOHN COTHRAN (SILIKAL) (864) 328-4572
*MATTHEW SIMPKINS (DUR-A-FLEX) (317) 690-4696
*GREG SOLTIS (RES-TEK) (404) 805-6494

H. REFER TO SHEET S-3.1 FOR FLOOR PENETRATION LOCATIONS

I. ALL EXTERIOR OPENINGS ARE DIMENSIONED FINISH TO FINISH.

GENERAL NOTES

A. INTERIOR WALLS SURROUNDING RESTROOMS AND OFFICE SHALL BE PROVIDED w/ SOUND BATT INSULATION TO EXTEND FULL HEIGHT TO INSULATED CEILINGS, TRUSS, OR JOIST SPACE TO ACHIEVE VIOC ACCEPTABLE SOUND ENCLOSURE. VAPOR BARRIER IS NOT REQUIRED IN THESE WALL. EXTERIOR WALLS PER R-VALUES REQUIRED, REFER TO SHEET A-4.

B. ALL EXTERIOR WALLS & AREAS ABOVE CEILINGS (JOIST & TRUSS SPACES) SHALL BE PROVIDED WITH BATT INSULATION TO ACHIEVE A COMPLETELY INSULATED THERMAL ENVELOPE AS REQUIRED. PROVIDE VAPOR BARRIER PER LOCAL CLIMATE REQUIREMENTS. BLOWN-IN INSULATION IS UNACCEPTABLE.

C. ALL GYPSUM BOARD IN SERVICE BAYS AND STORAGE AREA SHALL BE 5/8" HIGH ABUSE FIRE SHIELD BY NATIONAL GYPSUM.

D. ALL WALLS EXTENDING TO UNDERSIDE OF TRUSSES SHALL BE BRACED TO STRUCTURE AS REQUIRED. PROVIDE NECESSARY BLOCKING FOR STABLE, SECURE INSTALLATION.

E. REFER TO SHEET A-1 FOR EQUIPMENT SCHEDULE.

F. DIMENSIONS FOR INTERIOR WALLS ON PLANS ARE TO ROUGH FRAMING (U.N.O.)

G. VALVOLINE INSTANT OIL CHANGE DOES NOT PERFORM WORK ON VEHICLE FUELING SYSTEMS. IN THE CASE A FUEL SYSTEM IS IN NEED OF REPAIR, VALVOLINE EMPLOYEES ARE TO INSTRUCT VEHICLE OWNERS TO TAKE THE VEHICLE TO A LOCAL REPAIR STATION OFF PREMISES.

KEY TO WALL TYPES

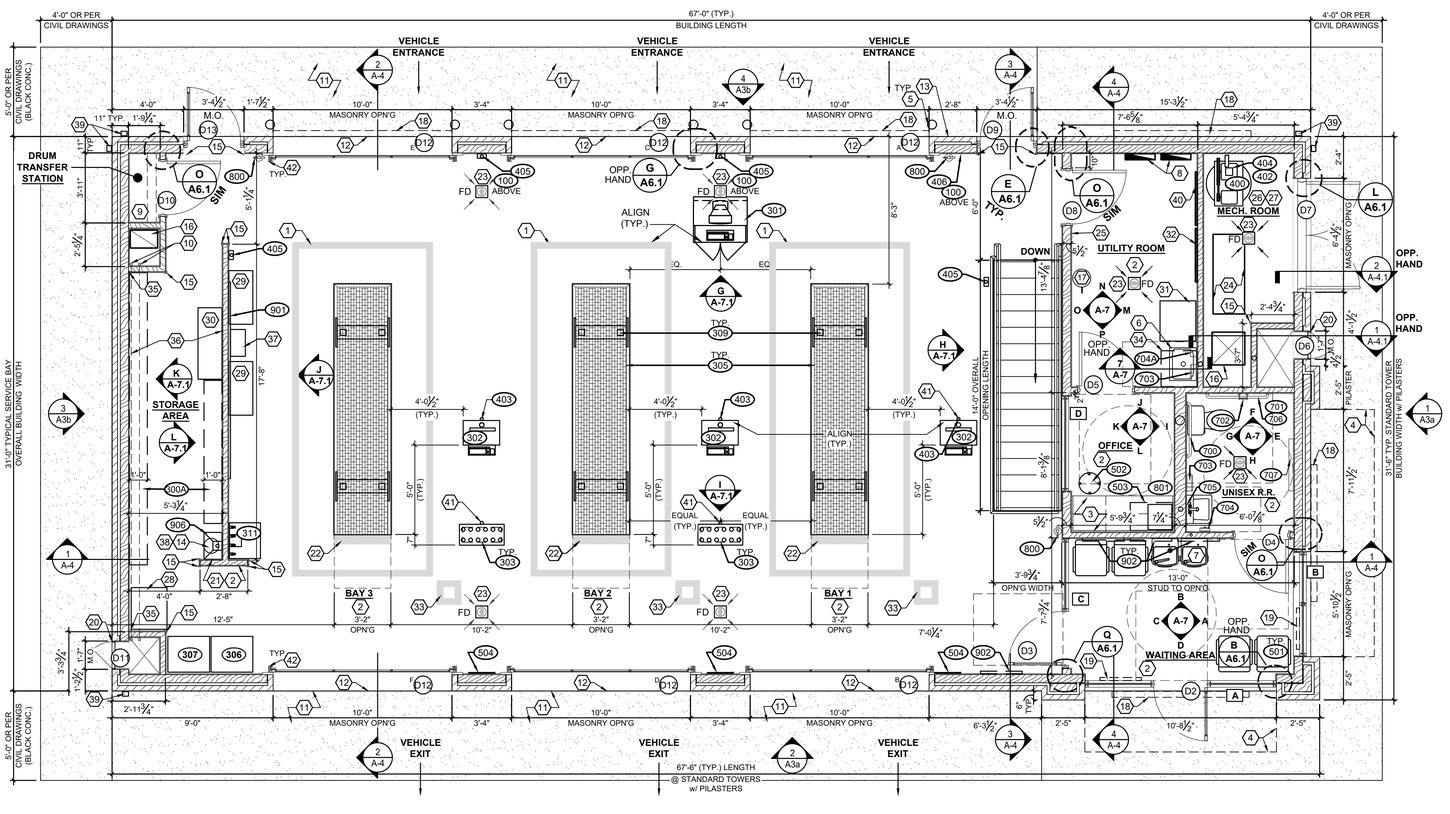
EXTERIOR WALL: EXTERIOR WAINSCOT (FACE BRICK or STONE) OVER CAVITY/AIR SPACE WITH FACE BRICK or EIFS ABOVE, OVER AIR/MOISTURE BARRIER, OVER PLYWOOD SHEATHING (PER STRUCTURAL), OVER 2x6 WALL STUDS (TYPE & SPACING PER STRUCTURAL). PROVIDE 5/8" HIGH ABUSE GYPSUM WALL BOARD ON INTERIOR FACE OVER POLYETHYLENE VAPOR BARRIER. INSULATE STUD CAVITY WITH BATT INSULATION. REFER TO EXTERIOR ELEVATIONS FOR FINISHES.

INTERIOR WALL: 2x4 STUDS @ 16"o.c. (U.N.O.) or 2x6, 2X8 WHERE NOTED ON PLANS, w/ P.T. SILL PLATE AND DOUBLE TOP PLATES w/ 5/8" GYPSUM BOARD EACH SIDE. EXTEND WALL AND SECURE TO STRUCTURE. INSULATE STUD CAVITY WITH SOUND BATTS WHERE NOTED.

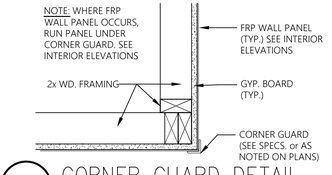
NOTE: REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS

FLOOR PLAN KEY NOTES

1. YELLOW SAFETY STRIPE INTEGRAL w/ FLOOR FINISH. REFER TO FINISH NOTE F & PIT OPENING PLAN DETAIL 4/A-9.
2. FRP FINISH THIS WALL (OR AREA). PROVIDE/INSTALL TRIM AS REQUIRED. REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, DETAILS 1/A-2, 2 & 3/A-7
3. PLASTIC LAMINATE COUNTERTOP AND WALL CABINETS. TOP OF FRP @ 52" A.F.F. REFER TO INTERIOR ELEVATIONS & DETAIL 5/A-7.
4. LINE OF METAL AWNING/CANOPY ABOVE. REFER TO DETAIL 8/A-6.
5. PIPE BOLLARD (SEE PLANS FOR QUANTITY/LOCATION). REFER TO DETAIL 6/A-10.
6. SINK/LAV. REFER TO INTERIOR ELEVATIONS & PLUMBING.
7. (2) WATER FOUNTAINS (HI/LO) REFER TO INTERIOR ELEVATIONS & PLUMBING.
8. ELECTRICAL PANEL. REFER TO ELECTRICAL.
9. DRUM TRANSFER SHELVING. REFER TO INTERIOR ELEVATIONS & DETAIL 4/A-7.
10. ROUTE LUBE BAR LINES DOWN IN SHAFT TO TANKS IN LUBE PIT.
11. PROVIDE SEALED/COLORED CONCRETE APRONS IN FRONT OF OVERHEAD DOORS. REFER TO CIVIL FOR EXTENT OF PAVING AND FINISH MATERIAL.
12. EXTEND FLOOR FINISH (F-1) TO OUTER EDGE OF SLAB @ BAY DOORS.
13. PROVIDE PVC SLEEVE ROUTED THROUGH CONCRETE SIDEWALK AND WALL FOR SERVICE BELL RINGER HOSE. COORDINATE REQUIREMENTS WITH VALVOLINE C.M. PRIOR TO SIDEWALK/CURB INSTALLATION. SEE DETAIL 9/A-3.2
14. PVC PIPE ROUTED THRU PRECAST PLANK/CONC. FLOOR SLAB TO LOWER LEVEL. LIP OF PIPE TO EXTEND 1" BELOW CEILING. TOP OF PIPE TO EXTEND 10" ABOVE SLAB. PROVIDE PVC CAP. REFER TO S-3.1 FOR LOCATION.
15. PROVIDE 1/4"x1/4"x16 GA. STAINLESS STL. CORNER GUARDS OVER FRP PANELS. GUARDS TO STOP AT TOP OF FRP. REFER TO DETAIL 1/A-2.
16. PAINT EXPOSED MECHANICAL DUCT TO MATCH ADJACENT WALL SURFACE. REFER TO MECHANICAL.
17. EYEWASH LOCATION. REFER TO PLUMBING.
18. LINE OF SIGNAGE ABOVE. REFER TO EXTERIOR ELEVATIONS & SIGN SCHEDULE.
19. "OPEN" SIGN. REFER TO EXTERIOR ELEVATIONS, SIGN SCHEDULE, & ELECTRICAL.
20. EXTERIOR ACCESS DOOR. REFER TO EXTERIOR ELEVATIONS & DOOR SCHEDULE.
21. ANTIFREEZE FUNNEL BY G.C. MOUNTED ON WALL ABOVE PVC CHASE @ 30" A.F.F. REFER TO DETAIL 1/A-7.
22. ROYAL BLUE STRIPE INTEGRAL w/ FLOOR FINISH. REFER TO FINISH NOTE F & PIT OPENING PLAN DETAIL 4/A-9.
23. SLOPE CONC. TOPPING APPROX. 30"ø AROUND FLOOR DRAIN (TYP.)
24. LINE OF MECHANICAL EQUIPMENT. REFER TO MECHANICAL.
25. AIR PRESSURE SHUT OFF VALVE LOCATION FOR AIR COMPRESSOR.
26. AUTO AIR DRYER. (COORD. LOCATION IN MECH. ROOM w/ VIOC C.M.)
27. SMOKE DETECTOR (COORD. LOCATION IN MECH. ROOM w/ VIOC C.M.)
28. A/C MACHINE (BY OWNER).
29. NEW BATTERY DISPLAY (BY OWNER).
30. USED BATTERY DISPLAY (BY OWNER).
31. TOOL BOX (BY OWNER).
32. 3'-0" X 4'-0" CORK BOARD (BY G.C.)
33. BLUE GUIDE SQUARE ON FLOOR - INTEGRAL W/ FLOOR FINISH. REFER TO FINISH NOTE F & PIT OPENING PLAN DETAIL 4/A-9.
34. WATER HEATER ON SHELF ABOVE. REFER TO DETAIL 7/A-7.
35. STOP POINT FOR FRP WALL FINISH.
36. NO FRP WALL FINISH THIS LOCATION.
37. AIRLINE PEDESTAL (BY OWNER).
38. ANTI-FREEZE WASTE SINK. REFER TO DETAIL 1/A-7.
39. ALUMINUM DOWNSPOUT. REFER TO EXTERIOR ELEVATIONS & ROOF PLAN
40. 3'-0" x 4'-0" x 3/4" PLYWOOD TELEPHONE BOARD PAINT PT-1 (BY G.C.)
41. 2" DIA. HOLE TO BE CORE DRILLED THRU PRECAST PLANK FLOOR (BY VENDOR). G.C. TO COORD. LOCATIONS w/ VIOC C.M.
42. STEEL GUARD SECURELY MOUNTED TO FLOOR (EACH SIDE OF DOOR). COVER/PROTECT ELECTRONIC EYE EQUIPMENT w/o BLOCKING SIGHT LINE.



0 UPPER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"
3BRH-STnD A2 Upper Level Floor Plan.dwg



1 CORNER GUARD DETAIL
SCALE: 1 1/2"=1'-0"

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No.	Revisions/Submissions	Date
	PERMIT SET	06.30.20
	OWNER REVIEW	02.19.20

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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STATE OF SOUTH DAKOTA
BRADLEY A. FANSING
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title
UPPER FLOOR PLAN

Drawing No. **A-2**

W:\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\02-BLDG\PLAN\DWG\3BRH-STnD ArchCAD 2020 Q1\3BRH-STnD A2 Upper Level Floor Plan, 6/29/2020 10:40:48 AM, MADDIE.CRAWE

EXTERIOR FINISHES

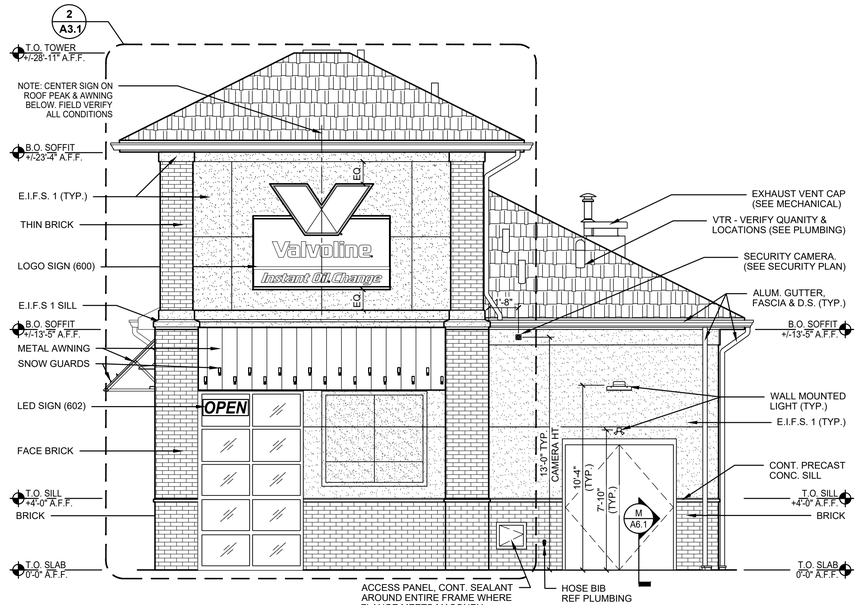
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BRICK WAINSCOT: (GRADE TO PRECAST SILL)	BELDEN - "MODULAR MIDLAND BLEND A"
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MORTAR:	LEHIGH - "LIGHT BEIGE"
MASONRY SEALER:	ALL MASONRY SURFACES SHALL BE TREATED W/SEALER REFER TO SPECIFICATIONS.
STANDING SEAM AWNING:	FIRESTONE UNA-CLAD KYNAR 500 / HYLAR METAL 5000 FLUOROCARBON STEEL "CHAMPAGNE METALLIC" UNDERSIDE & FRAME TO BE PAINTED SW 6152 "SUPERIOR BRONZE"
ROOF SHINGLES:	OWENS CORNING DURATION SERIES "DRIFTWOOD"
MISC. ROOF VENTS, FANS, ETC.	PAINT TO MATCH SW7046 "ANONYMOUS"
GUTTER, DOWNSPOUTS, FASCIA & EXPOSED TRIM:	BERRIDGE - "SIERRA TAN"
STOREFRONT SYSTEM:	2x4 1/2" KAWNEER TRIFAB VG 451T SERIES CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM W/1" INSULATED GLAZING.
H.M. DOORS & FRAMES:	FIELD PAINT w/SHERWIN-WILLIAMS B66-310 PRO-CYRL PRIMER FOLLOWED BY (2) FINISH COATS OF B66-300 SHER-CYRL HPA. COLOR SHALL BE SW-7515 "HOMESTEAD BROWN". PROVIDE MOCK-UP AND VERIFY COLOR W/OWNER.
O.H. DOOR FINISH:	CLEAR ANODIZED ALUMINUM
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SIGNAGE SCHEDULE

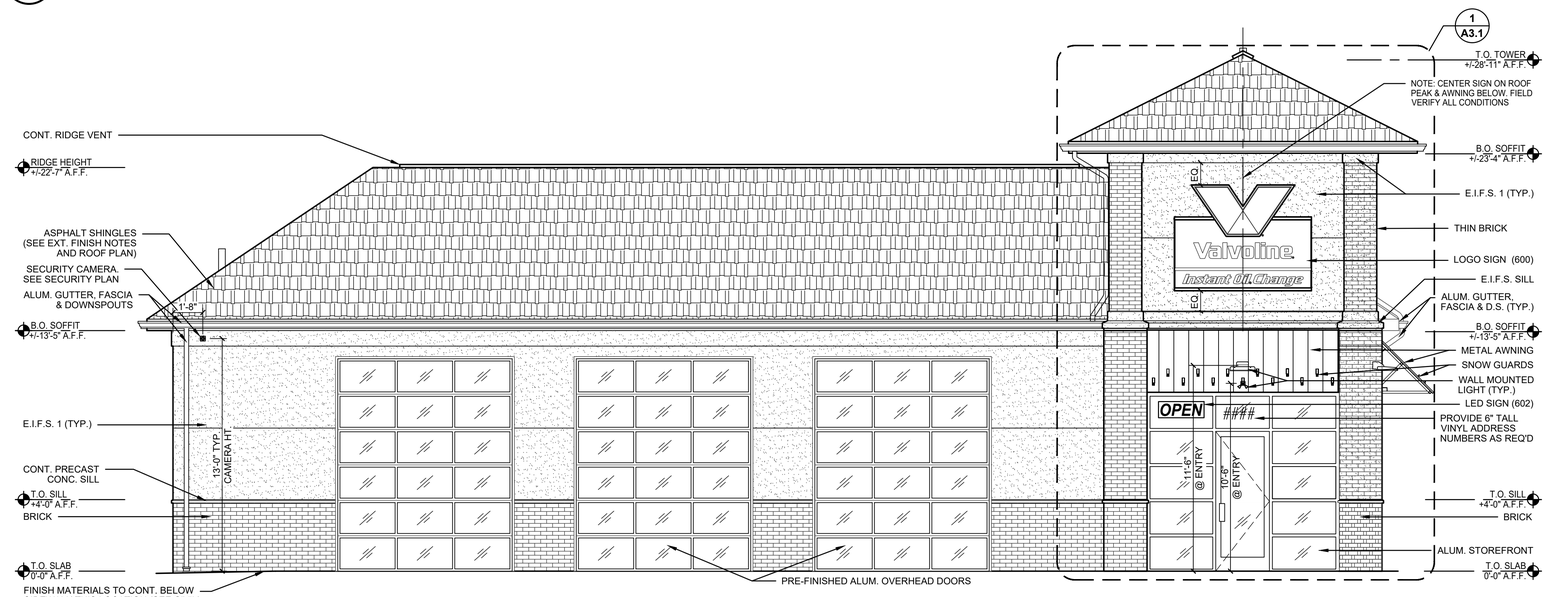
NUMBER	DESCRIPTION	SIZE	ILLUMINATED	QUANTITY
(600)	LOGO SIGN	7'-8" X 5'-11" (45 S.F.)	INTERNALLY	2
	PROVIDED BY OWNER, INSTALLED BY SIGN CONTRACTOR			
(601)	LANE INDICATOR SIGN	10'-0" X 1'-4" (13.33 S.F.)	NO	3
	PROVIDED BY OWNER, INSTALLED BY SIGN CONTRACTOR			
(602)	OPEN SIGN	2'-7 1/2" X 11 1/2" (2.52 S.F.)	INTERNALLY	2
	PROVIDED BY OWNER, INSTALLED BY G.C.			
(603)	MONUMENT SIGN	REFER TO SHT. A-10a	INTERNALLY	1
	PER LOCAL AND DEVELOPMENTAL RESTRICTIONS			
(604)	LOGO SIGN	4'-11" X 6'-5" (31 S.F.)	INTERNALLY	1

ELEVATION NOTES

1. EIFS SHALL BE DRYVIT, CLASS PB DRAINAGE SYSTEM WITH FLUID APPLIED WATER RESISTIVE BARRIER BEHIND INSULATION BOARD.
2. SIGNAGE SHOWN ON THESE ELEVATIONS IS FOR GENERAL REFERENCE PURPOSES ONLY. ALL SIGNAGE SHALL BE APPLIED FOR & PERMITTED UNDER A SEPARATE SIGNAGE SUBMITTAL.
3. G.C. SHALL PROVIDE BLOCKING IN STUD WALL BEHIND EACH SIGN AS REQUIRED BY SIGN VENDOR - FIELD VERIFY REQUIREMENTS W/ VENDOR & OWNER'S REPRESENTATIVE.
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5. EXHAUST FAN, VTRS & SIMILAR ITEMS ON ROOF SHALL BE PAINTED TO MATCH ROOF.



1 OVERALL RIGHT EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 OVERALL FRONT EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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STATE OF SOUTH CAROLINA
BRADLEY W. HARDING
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title
EXTERIOR ELEVATIONS

Drawing No.
A-3a

W:\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\02-BLDG\PLAN\DWG\3BRH-STnD ArchCAD 2020 Q1\3BRH-STnD A3 Exterior Elevations, 6/29/2020 10:41:02 AM, JAIME.GARRETT

EXTERIOR FINISHES

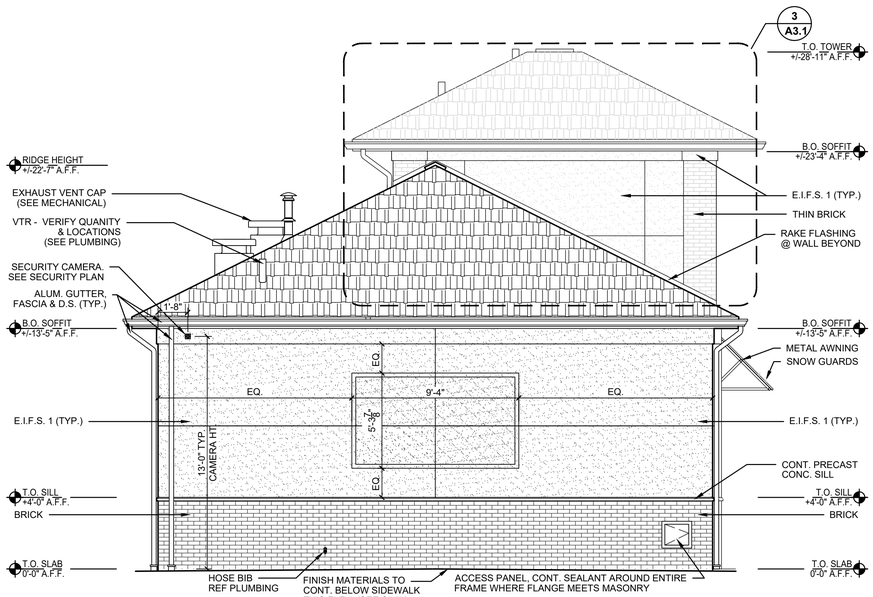
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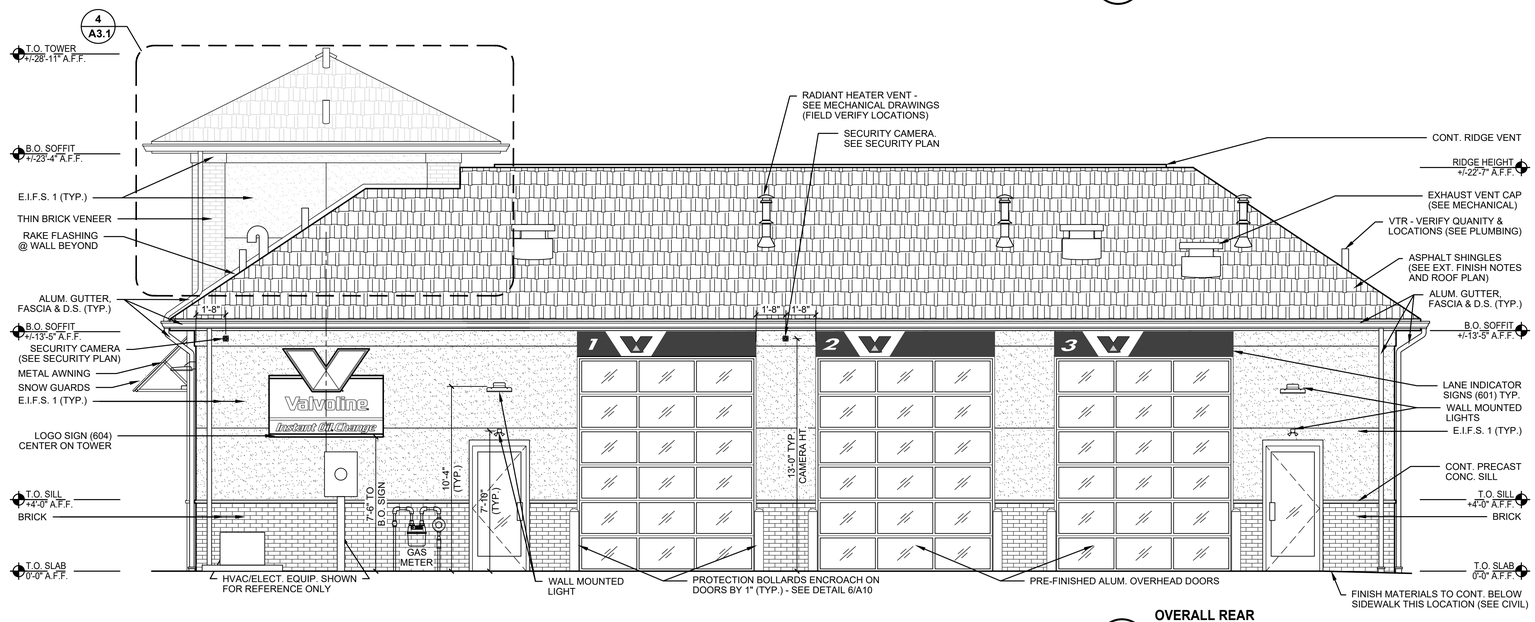
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	PER LOCAL AND DEVELOPMENTAL RESTRICTIONS			
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3 OVERALL LEFT
EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



4 OVERALL REAR
EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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VALVOLINE INSTANT OIL CHANGE
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STATE OF SOUTH CAROLINA
BRADLEY W. HARDING
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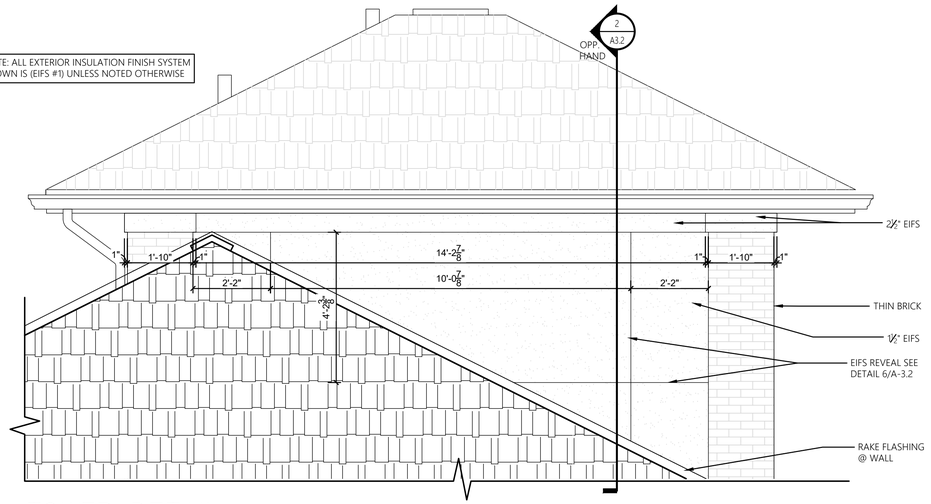
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Scale	AS NOTED
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Checked	ELM
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Drawing Title
EXTERIOR ELEVATIONS

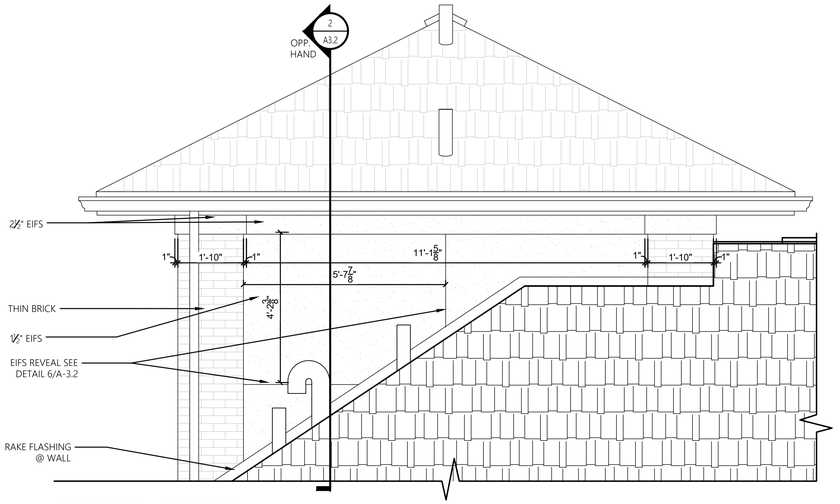
Drawing No.
A-3b

W:\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\02-BLDG\PLAN\DWG\3BRH-STnD ArchCAD 2020 Q13\3BRH-STnD A3 Exterior Elevations, 6/29/2020 10:41:13 AM, JAIME.GARRETT

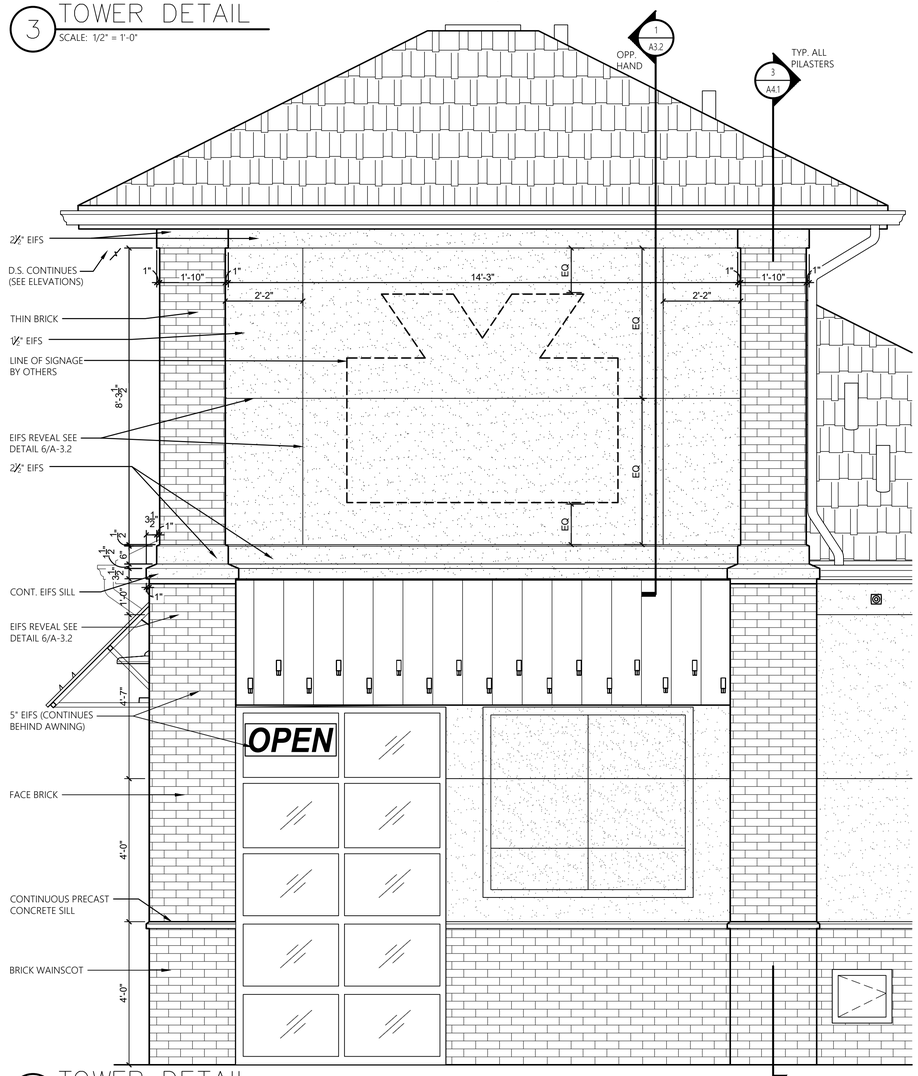
NOTE: ALL EXTERIOR INSULATION FINISH SYSTEM SHOWN IS (EIFS #1) UNLESS NOTED OTHERWISE



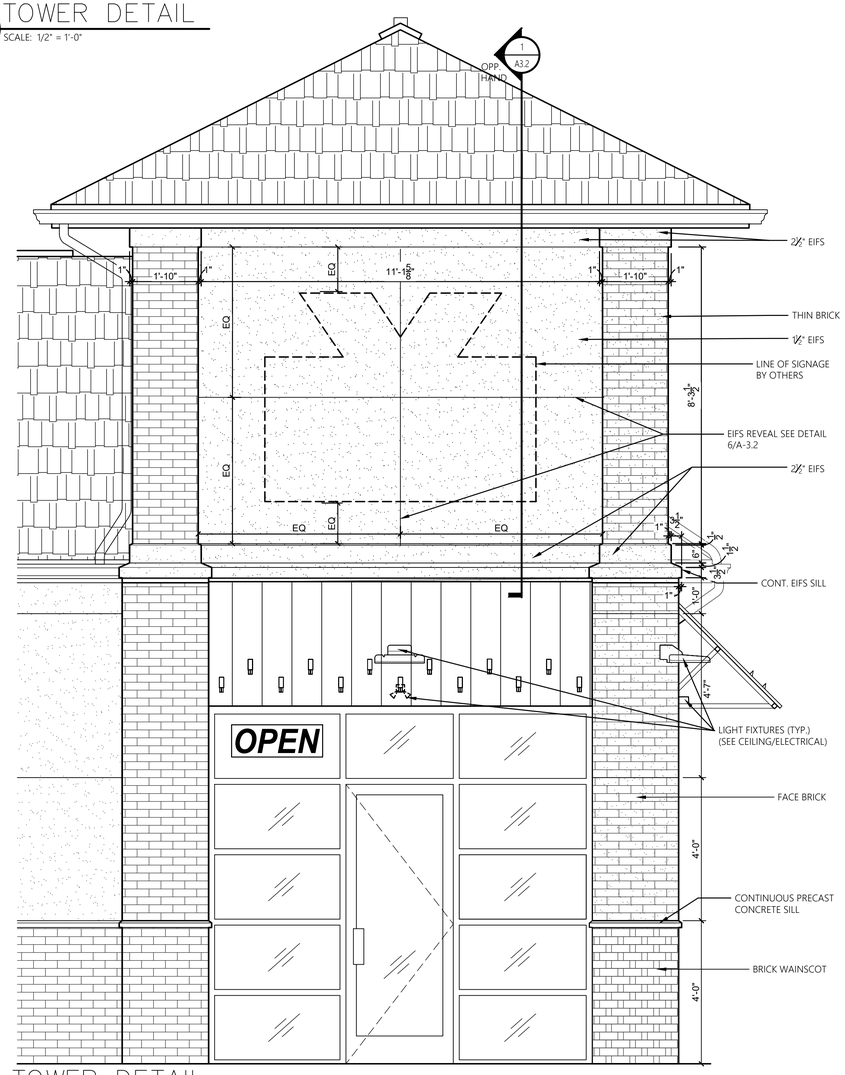
3 TOWER DETAIL
SCALE: 1/2" = 1'-0"



4 TOWER DETAIL
SCALE: 1/2" = 1'-0"



2 TOWER DETAIL
SCALE: 1/2" = 1'-0"



1 TOWER DETAIL
SCALE: 1/2" = 1'-0"

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	OWNER REVIEW	02.19.20

VALVOLINE INSTANT OIL CHANGE
GANDER DRIVE CHARLOTTESVILLE, VA 22901

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STATE OF SOUTH CAROLINA
BRADLEY HARDING
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

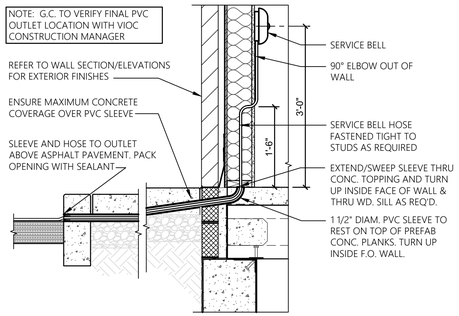
Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title

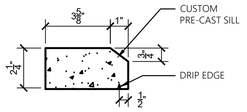
TOWER DETAILS

Drawing No. **A-3.1**

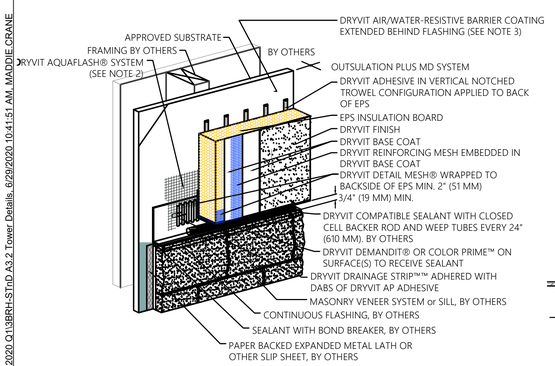
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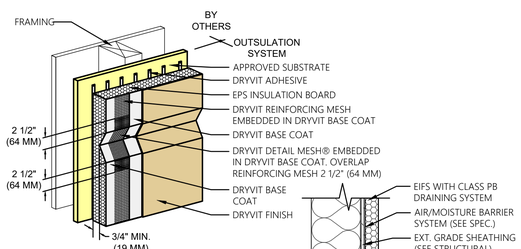
9 SERVICE BELL DETAIL
SCALE: 3/4" = 1'-0"



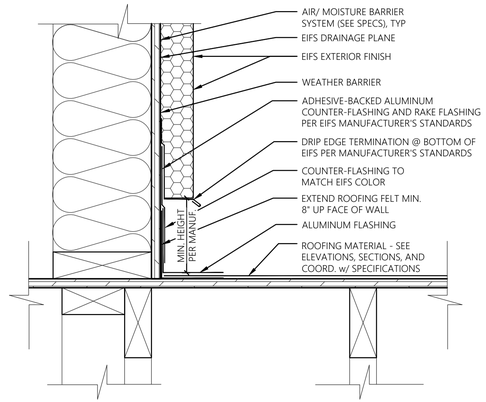
8 PRECAST SILL PROFILE
SCALE: 3" = 1'-0"



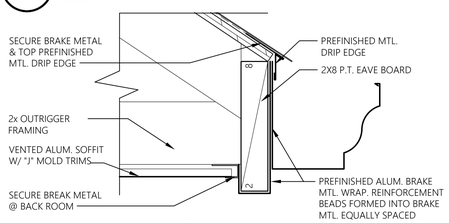
7 BRICK/EIFS FLASHING DETAIL
SCALE: 3" = 1'-0"



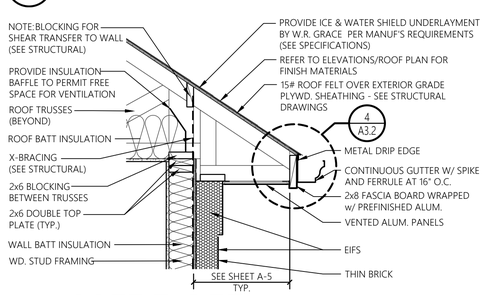
6 EIFS REVEAL DETAIL
SCALE: 1 1/2" = 1'-0"



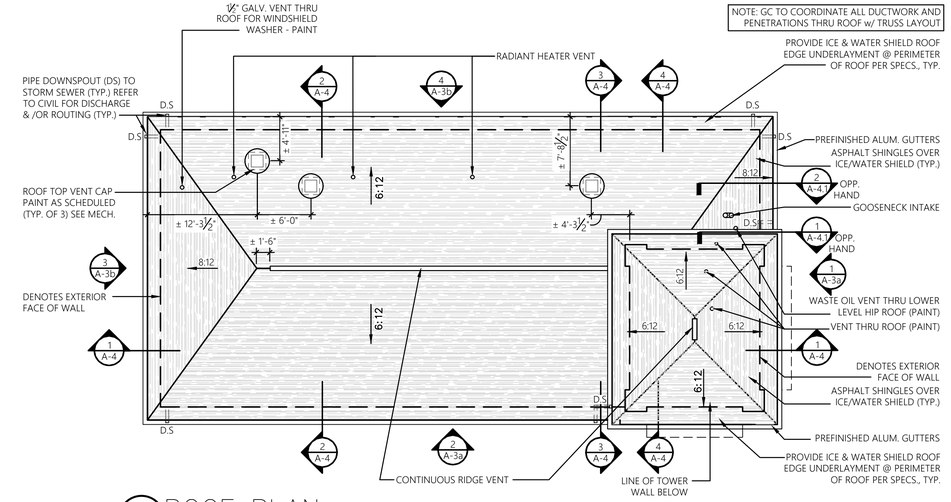
5 WALL–ROOF DETAIL
SCALE: 3" = 1'-0"



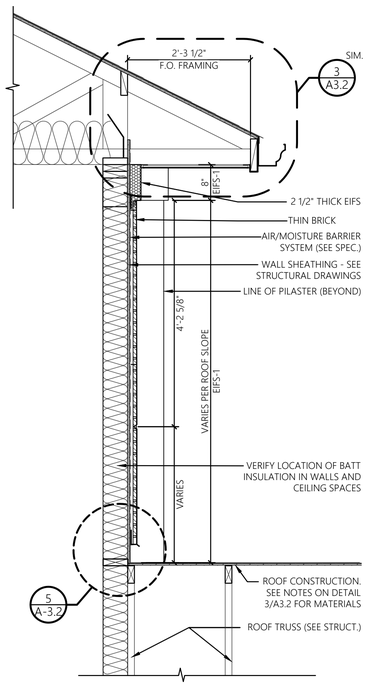
4 GUTTER/EAVE DETAIL
SCALE: 3" = 1'-0"



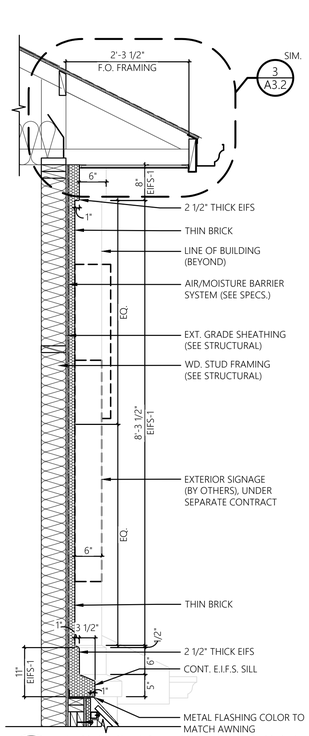
3 SOFFIT DETAIL
SCALE: 3/4" = 1'-0"



0 ROOF PLAN
SCALE: 1/8" = 1'-0"



2 TOWER SECTION
SCALE: 3/4" = 1'-0"



1 TOWER SECTION
SCALE: 3/4" = 1'-0"

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		06.30.20

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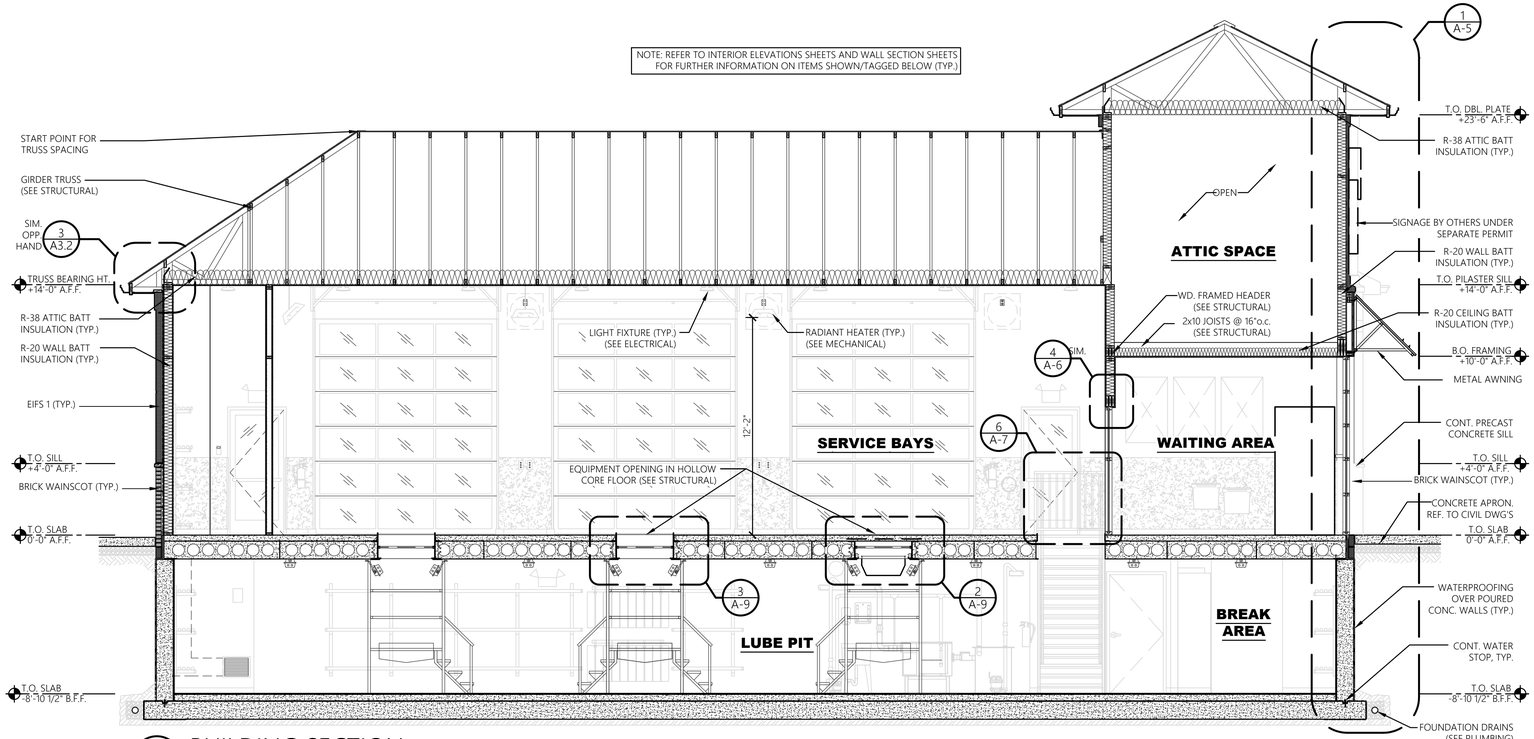
Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title
ROOF PLAN / TOWER SECTIONS & DETAILS

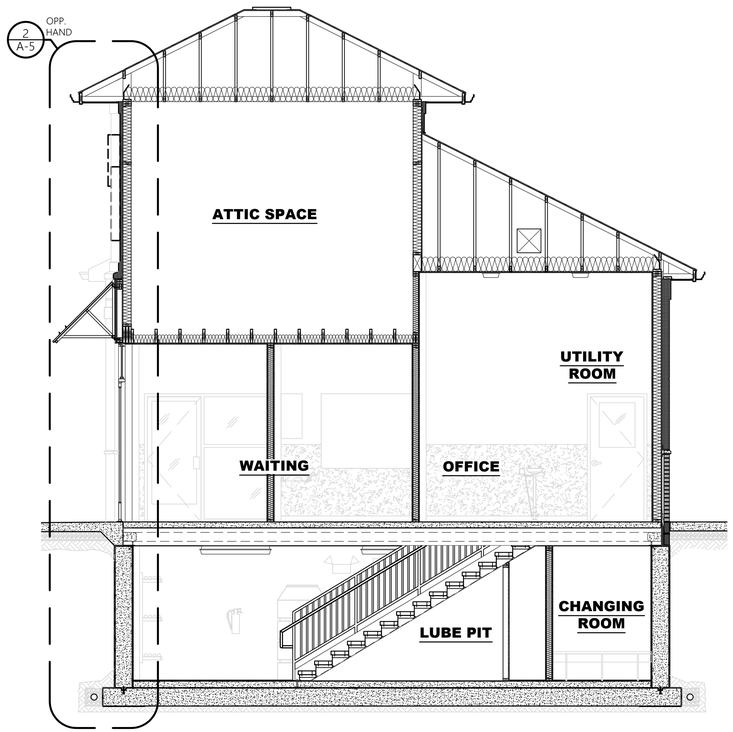
Drawing No.
A-3.2

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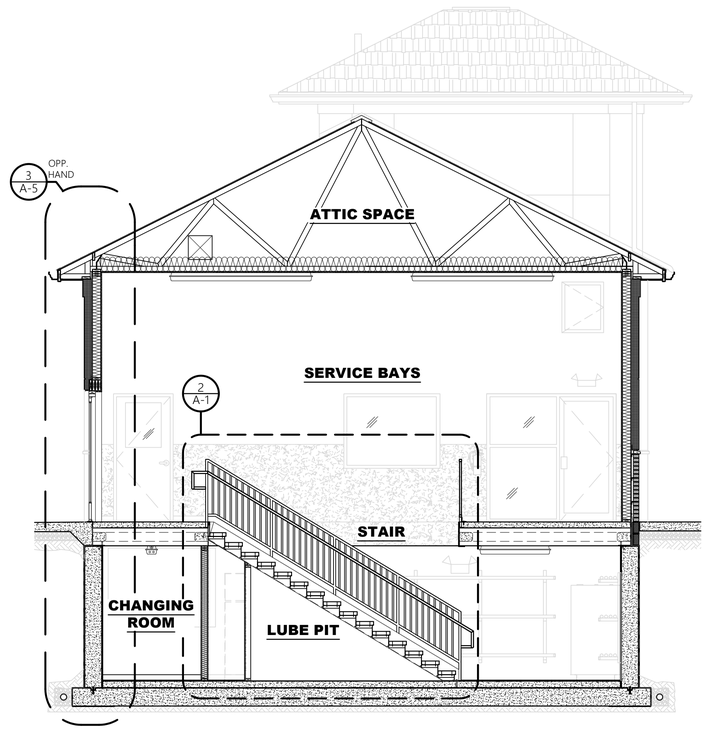
NOTE: REFER TO INTERIOR ELEVATIONS SHEETS AND WALL SECTION SHEETS FOR FURTHER INFORMATION ON ITEMS SHOWN/TAGGED BELOW (TYP.)



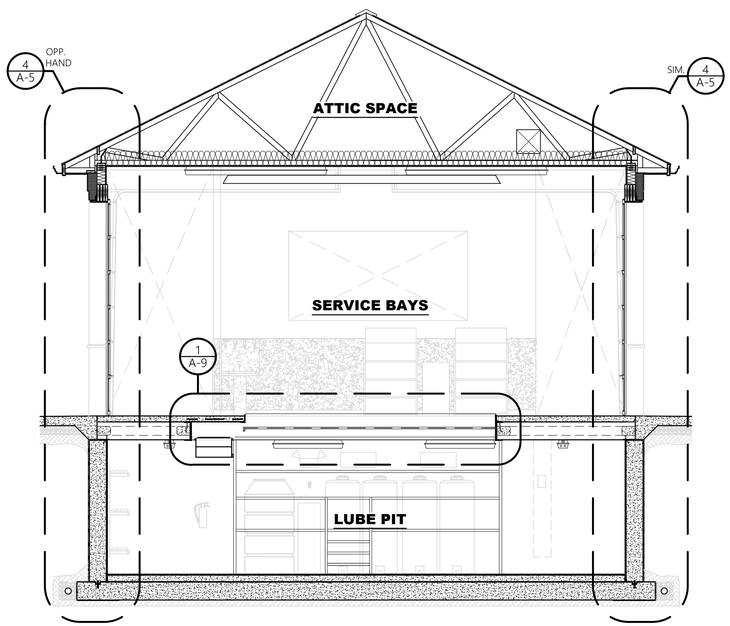
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"



4 BUILDING SECTION
SCALE: 1/4" = 1'-0"



3 BUILDING SECTION
SCALE: 1/4" = 1'-0"



2 BUILDING SECTION
SCALE: 1/4" = 1'-0"

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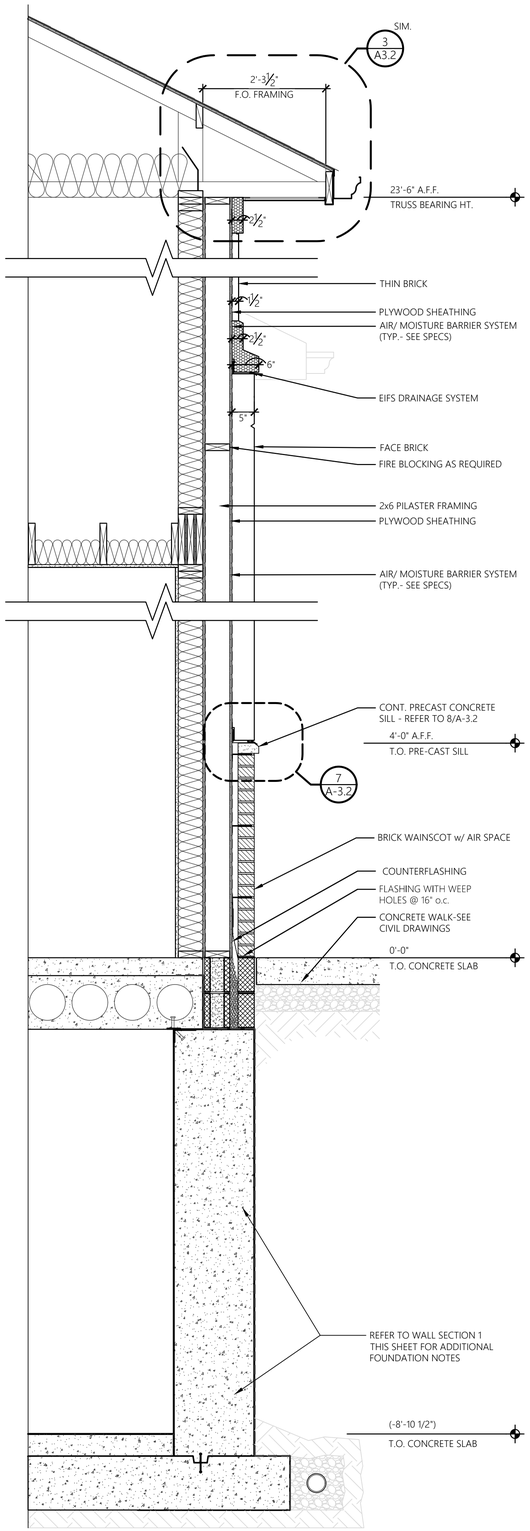
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Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title

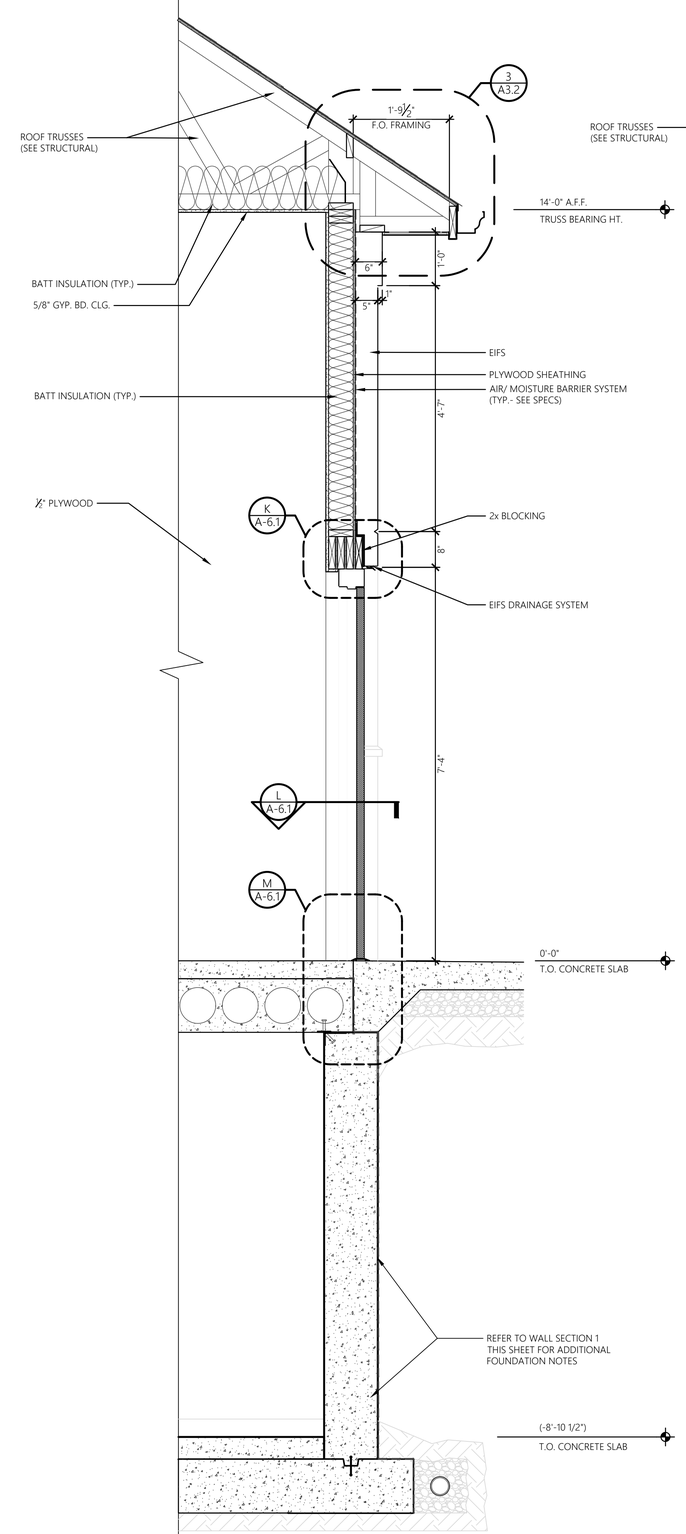
BUILDING SECTIONS

Drawing No. **A-4**

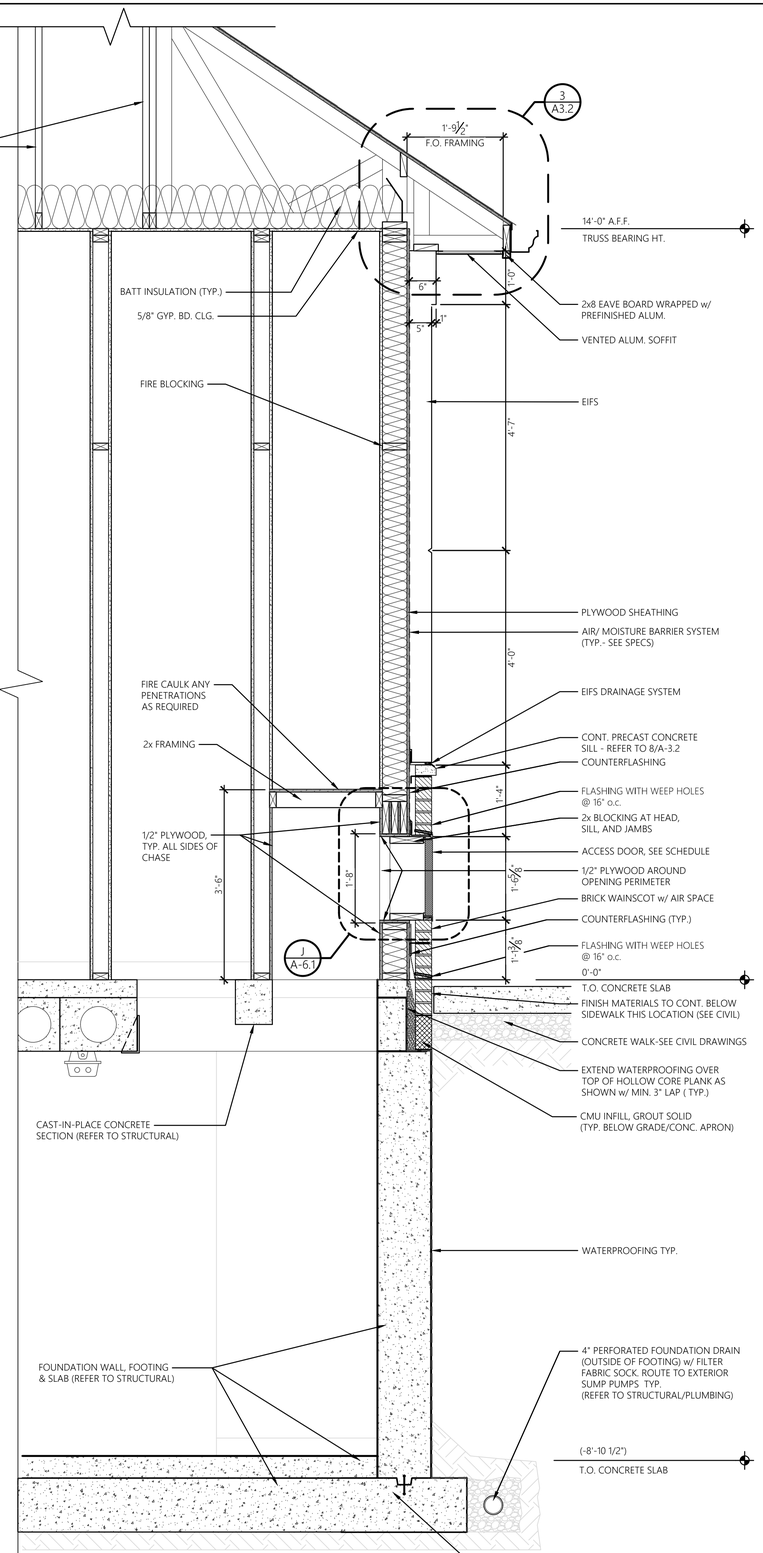
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TOWER PILASTER (TYP.)
WALL SECTION
SCALE: 3/4" = 1'-0"



MECHANICAL DOOR (TYP.)
WALL SECTION—STANDARD TOWER
SCALE: 3/4" = 1'-0"



ACCESS DOOR (TYP.)
WALL SECTION @ BUILDING END
SCALE: 3/4" = 1'-0"

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	PERMIT SET	06.30.20
	OWNER REVIEW	02.19.20

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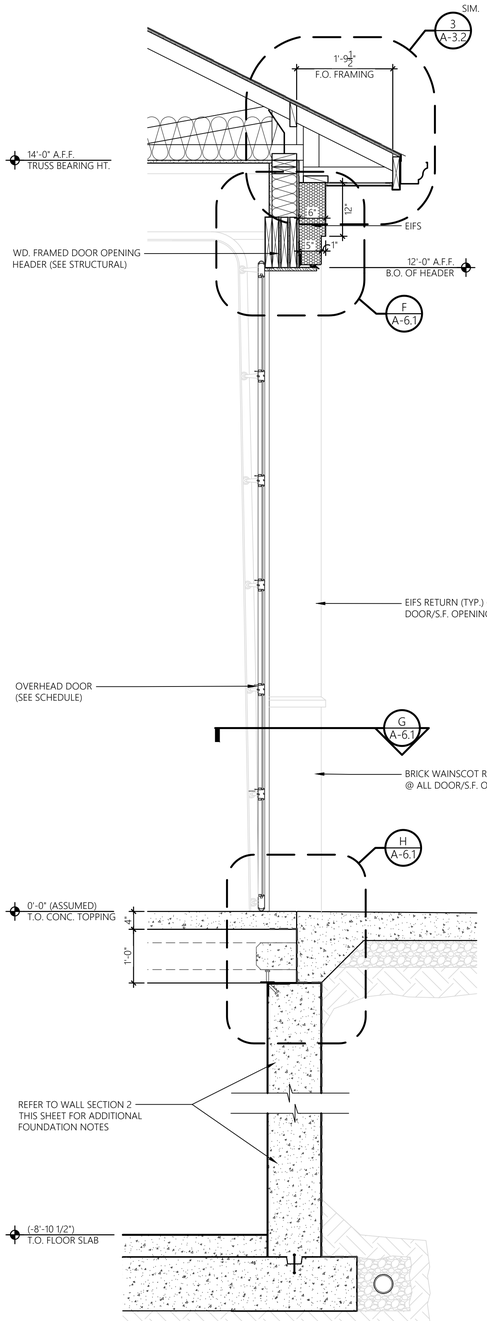
STATE OF SOUTH CAROLINA
BRADLEY M. HARDING
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

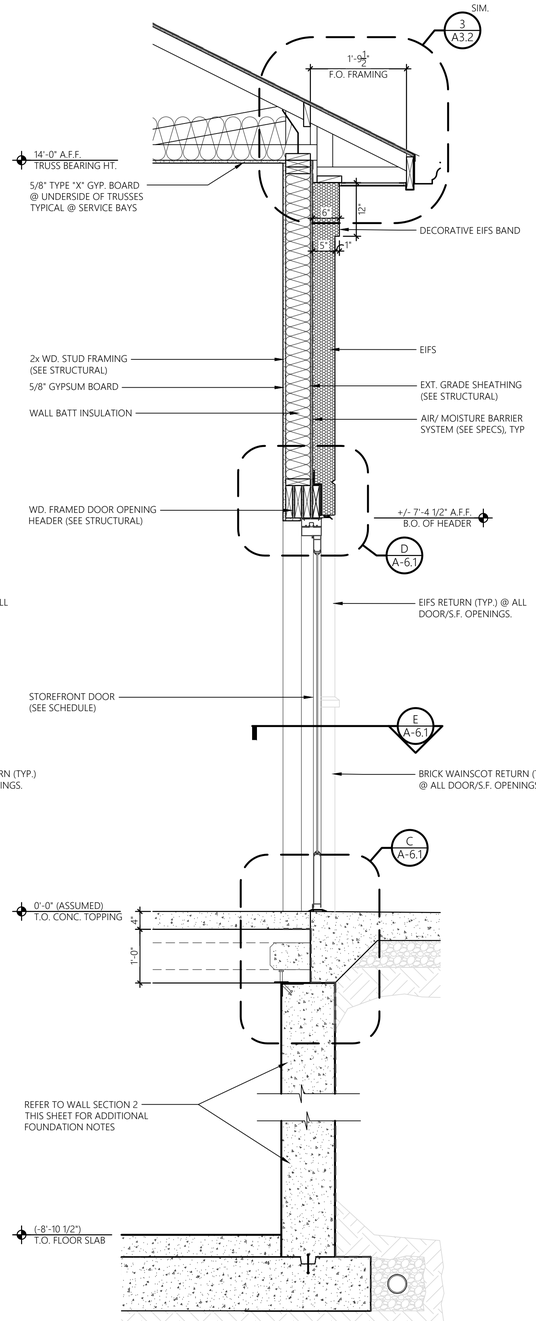
Drawing Title
WALL SECTIONS AND DETAILS

Drawing No.
A-4.1

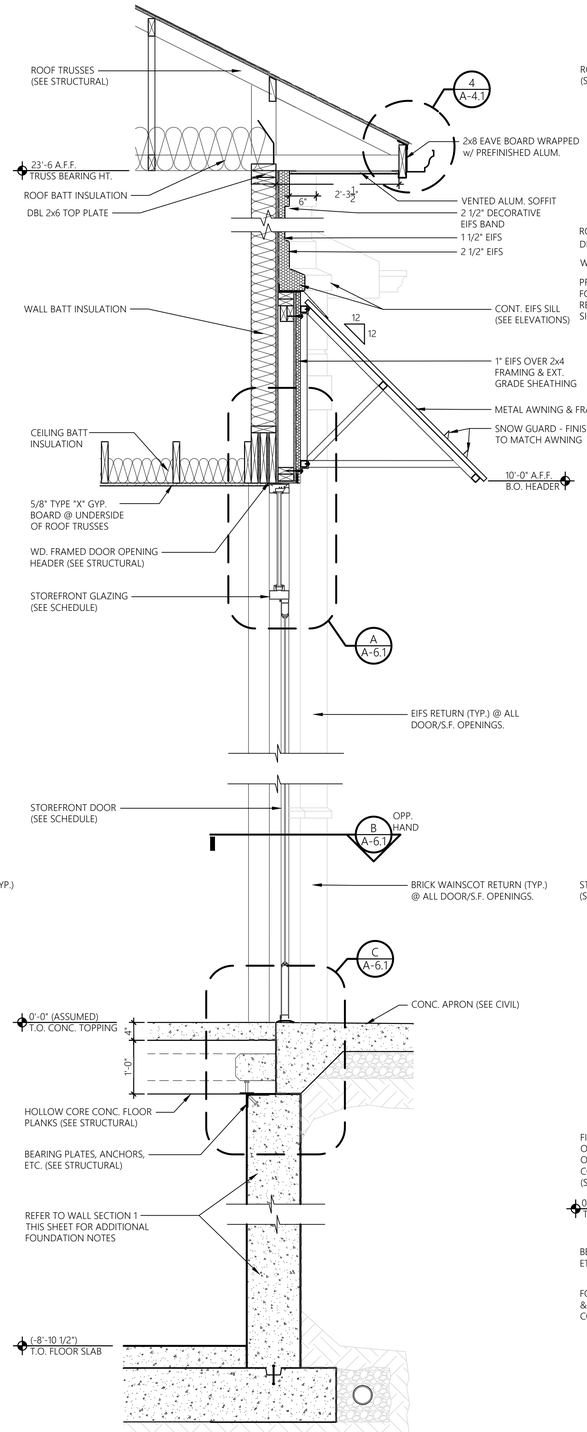
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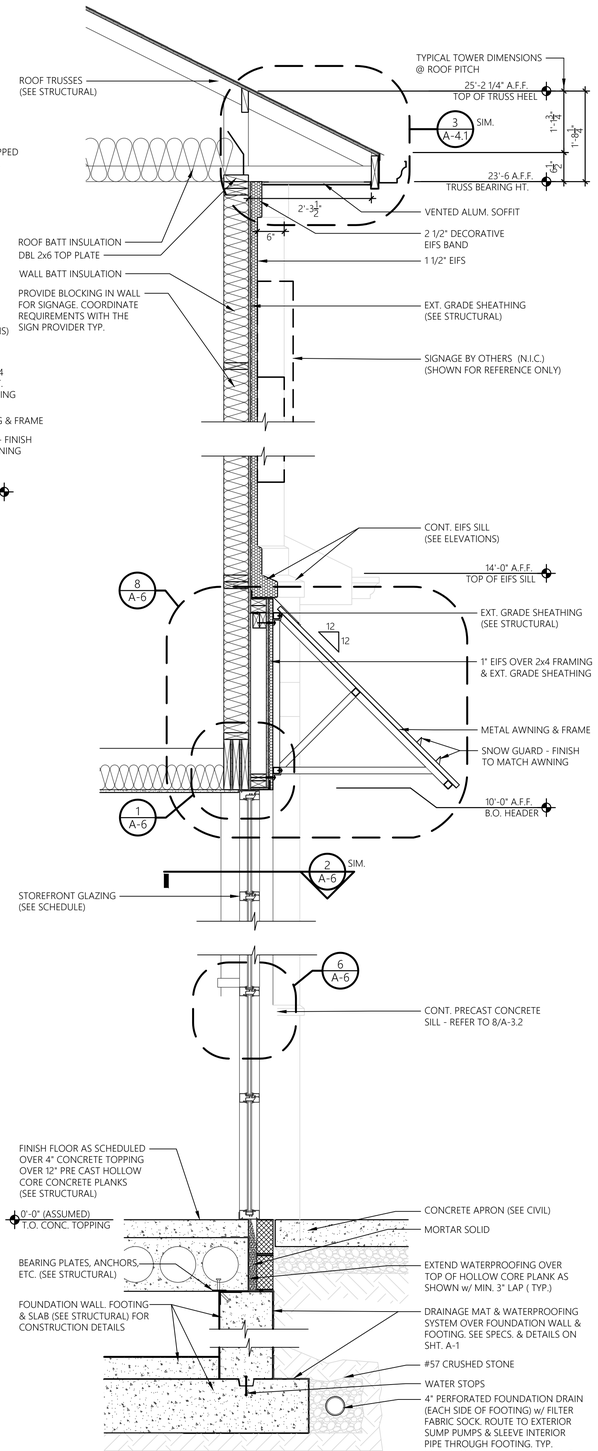
4 OVERHEAD DOOR (TYP.) WALL SECTION
SCALE: 3/4" = 1'-0"



3 ENTRY DOOR (TYP.) WALL SECTION
SCALE: 3/4" = 1'-0"



2 WALL SECTION
SCALE: 3/4" = 1'-0"



1 WALL SECTION
SCALE: 3/4" = 1'-0"

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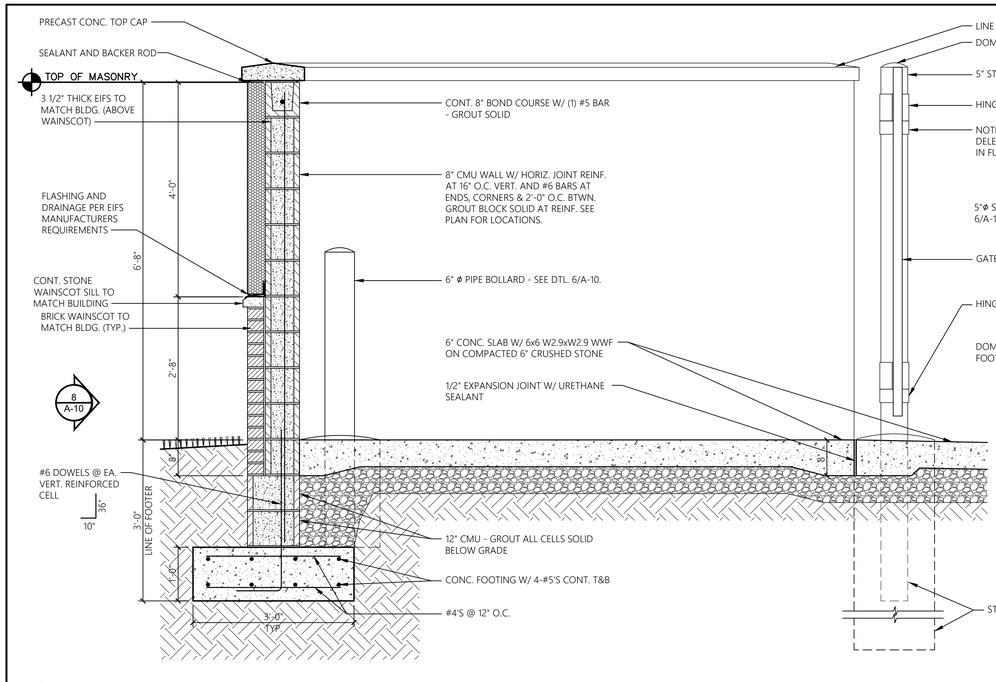
BRADLEY H. HARDING
DAYTON, OHIO
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REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

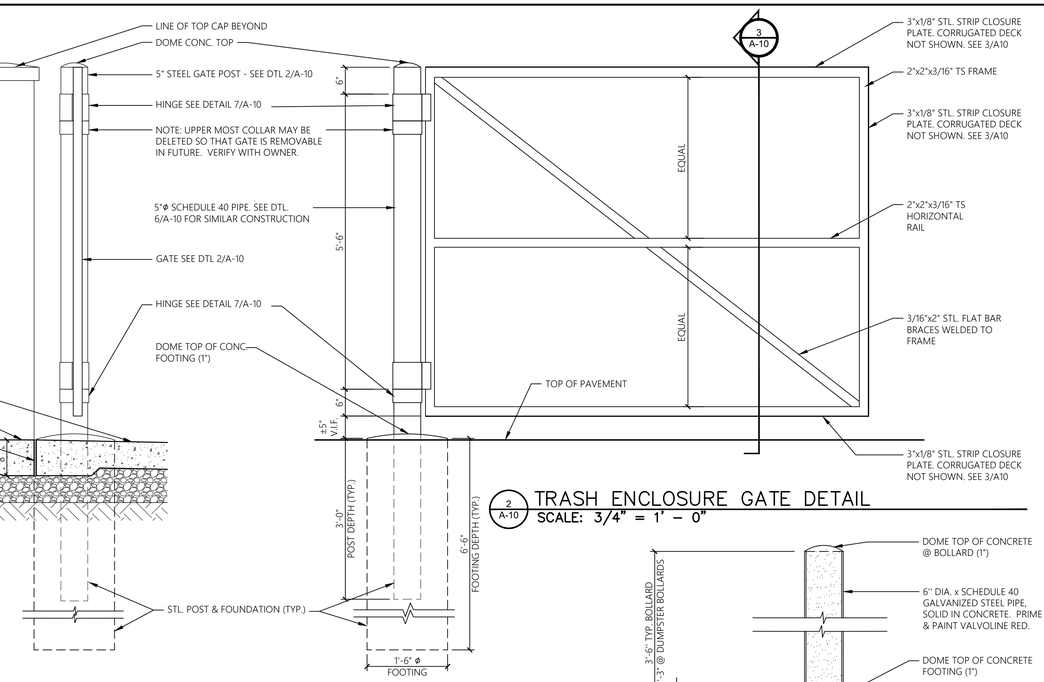
Drawing Title
WALL SECTIONS

Drawing No.
A-5

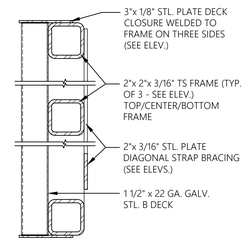
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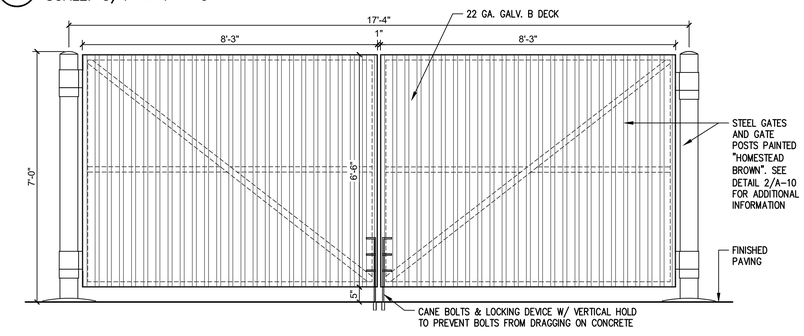
1 A-10 SECTION @ TRASH ENCLOSURE
SCALE: 3/4" = 1' – 0"



2 A-10 TRASH ENCLOSURE GATE DETAIL
SCALE: 3/4" = 1' – 0"

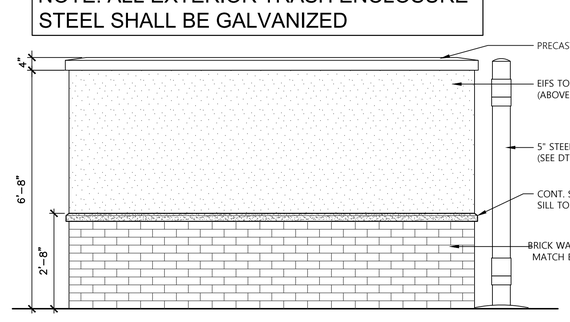


3 A-10 GATE SECTION
SCALE: 3" = 1' - 0"

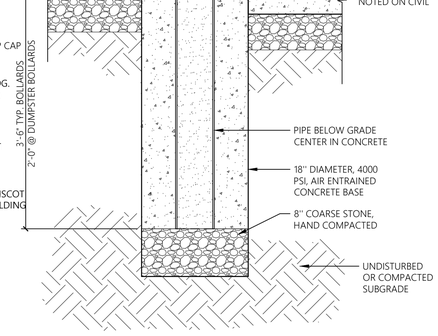


4 A-10 DUMPSTER ENCLOSURE FRONT ELEVATION
SCALE: 1/2" = 1' – 0"

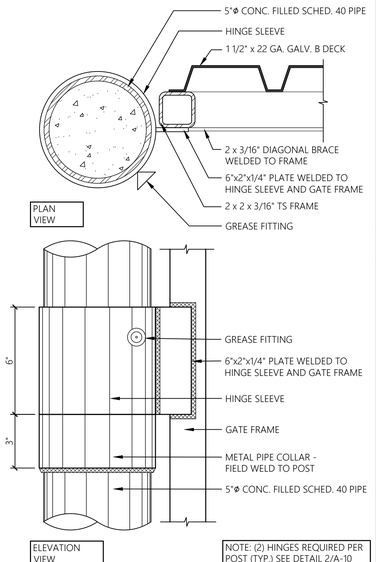
NOTE: ALL EXTERIOR TRASH ENCLOSURE STEEL SHALL BE GALVANIZED



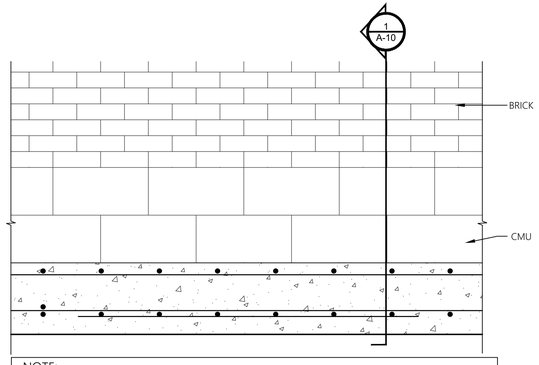
5 A-10 TYP. DUMPSTER ENCLOSURE SIDE ELEVATION
SCALE: 1/2" = 1' – 0"



6 A-10 BOLLARD DETAIL
SCALE: 1" = 1' - 0"

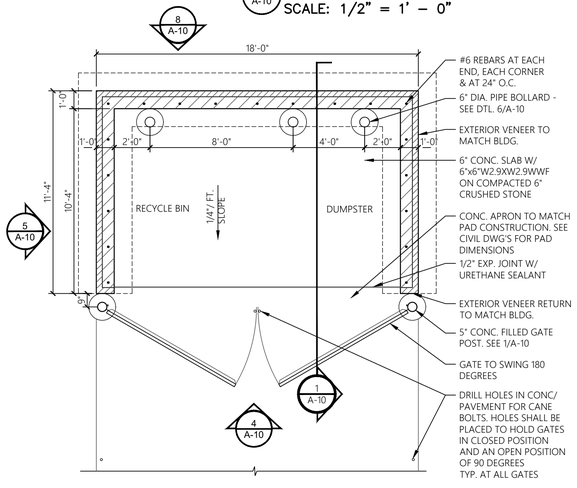


7 A-10 HINGE DETAIL
SCALE: 3" = 1' - 0"



NOTE:
GATES SHALL BE EQUIPPED WITH DROP (CANE) BOLTS, HEAVY DUTY HINGES AND LATCHES (WITH PADLOCK) DRILL HOLES 2" DEEP IN CONC. / PAVING TO ALLOW DROP BOLTS TO HOLD GATES IN CLOSED POSITION AND AT AN OPEN POSITION OF 90°. POSITION VERTICAL HOLD TO KEEP CANE BOLTS FROM DRAGGING CONC.

8 A-10 FOOTING DETAIL
SCALE: 1" = 1' – 0"



9 A-10 DUMPSTER ENCLOSURE PLAN
SCALE: 1/4" = 1' – 0"

DUMPSTER EXTERIOR FINISH NOTES

REFER ALSO TO "EXTERIOR FINISHES", SHEET A-3.

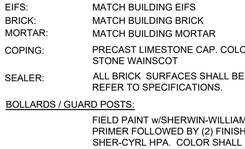
EIFS:	MATCH BUILDING EIFS
BRICK:	MATCH BUILDING BRICK
MORTAR:	MATCH BUILDING MORTAR
COPING:	PRECAST LIMESTONE CAP. COLOR TO MATCH BUILDING STONE WAINSCOT
SEALER:	ALL BRICK SURFACES SHALL BE TREATED W/ SEALER. REFER TO SPECIFICATIONS.
BOLLARDS / GUARD POSTS:	FIELD PAINT w/SHERWIN-WILLIAMS B66-310 PRO-CYRL PRIMER FOLLOWED BY (2) FINISH COATS OF B66-300 SHER-CYRL HPA. COLOR SHALL BE "VALVOLINE RED".
GATES & GATE POSTS:	FIELD PAINT w/SHERWIN-WILLIAMS B66-310 PRO-CYRL PRIMER FOLLOWED BY (2) FINISH COATS OF SHERWIN WILLIAMS 7515 HOMESTEAD BROWN. SEMI-GLOSS DTM ACRYLIC B66-200.

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Date	06.30.20

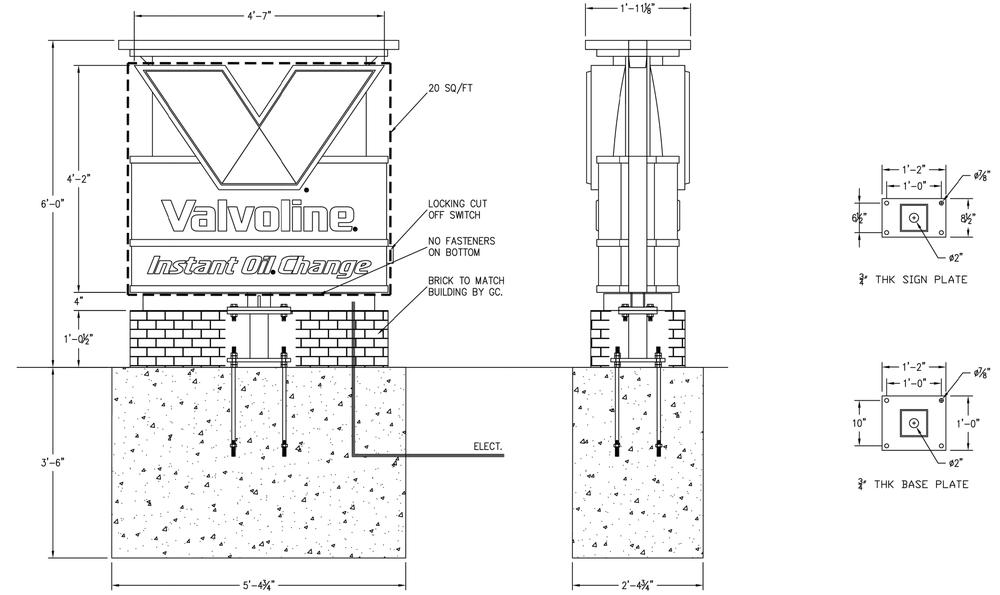
Drawing Title
DUMPSTER ENCLOSURE

Drawing No.
A-10

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W:\PROJECTS\VALVOLINE\757280-CHARLOTTESVILLE, VA (GANDER RD)\02-BLDG\PLAN\DWG\3BRH-STnD ArchCAD 2020 Q1\3BRH-STnD A10a Vendor Signage, 6/29/2020 10:46:07 AM, RICHARD

FOR INFORMATION ONLY
VENDOR SIGNAGE



FAIRMONT Sign Company 3750 E. OUTER DR., DETROIT, MI 48234 PHONE: 313-368-4000 FAX: 313-368-1649	CUSTOMER APPROVAL / DATE	DATE	REVISION	INIT	CUSTOMER/LOGO: VALVOLINE INSTANT OIL CHANGE	DWG TITLE: 20 SQFT MONUMENT	INC#:
	This is an original unpublished drawing, created by F.S.C. It is submitted for your use in connection with a project being planned for you by F.S.C. It is not to be shown, copied, reproduced or exhibited in any fashion without the express written approval by F.S.C. © FAIRMONT SIGN COMPANY, 2003				ADDRESS	DESCRIPTION: ELEVATION AT 6' OAH	DATE: 3/6/20
					CITY, STATE	FILE NAME:	DRAWN BY: FT
						BLOCK NAME:	SHEET #: 1 OF #: 1

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GANDER DRIVE CHARLOTTESVILLE, VA 22901

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STATE OF SOUTH CAROLINA
BRADLEY W. HARDING
DAYTON, OHIO
7930
REGISTERED ARCHITECT
6/30/2020

Project No.	757280-01
Scale	AS NOTED
Drawn	CESO
Checked	ELM
Date	06.30.20

Drawing Title

VENDOR SIGNAGE

Drawing No.

A-10a