



424 N. Sappington Road Glendale, Missouri 63122 (314) 965-3600 fax (314) 965-4772

APPLICATION FOR ARCHITECTURAL REVIEW BOARD

APPLICATION DATE 7/31/23 DATE OF ARB MEETING 8/9/23 ESTIMATED COST 875,000.00

PROJECT ADDRESS 705 West Lockwood Avenue GLENDALE, MO 63122

NAME OF PROPERTY OWNER Scharf Land Development Company PHONE NUMBER (314) 707-4238

CONTRACTOR (NAME) Scharf Land Development Company PHONE NUMBER (314) 707-4238

CONTRACTOR ADDRESS 16833 Kingstowne Estates Drive, Wildwood, MO 63011

ARCHITECT (NAME) Tim Hollerbach PHONE NUMBER (314) 578-9470

ARCHITECT ADDRESS 1548 Jeffco Blvd., Arnold, MO 63010

DETAILED DESCRIPTION OF WORK BEING PROPOSED: New Single Family Home

FLOOR AREA RATIO 29.947 (FAR = Floor area divided by total area of lot. Floor area includes all areas provided with heat and/or air conditioning. All living space with ceiling heights of sixteen (16) feet or greater shall be counted at 200%. Attached garages shall be counted at 50%. Exclude any finished or unfinished basement, a detached garage, and any unenclosed porch).

TOTAL FLOOR AREA OF NEW CONSTRUCTION (SQ. FT.) 3,310.00

TOTAL FLOOR AREA OF EXISTING STRUCTURE (SQ. FT.) None

TOTAL SQ. FT. OF LOT 11,936 WIDTH AND DEPTH OF LOT (FT.) 57.03x178.61

HEIGHT OF STRUCTURE 30'-7" NUMBER OF STORIES 2

ESTIMATED COMMENCE DATE 9/1/23 EST. COMPLETION DATE 7/1/24

Each application shall be accompanied with payment of a fee as follows:

- Addition or Accessory Structure: \$150.00
New Home: \$200.00

Applications must also include 10 copies of the following items collated into individual packets. Packets not collated may be accepted for scheduling purposes, but will be returned to applicants for collation and are due no later than 12:00 p.m. one week prior to the scheduled ARB meeting. (Please check each item included):

(CHECKLIST ON REVERSE SIDE)

- 1. Existing and Proposed plot plan. Existing and finished or proposed contours to include property boundaries, setbacks and existing structures, and calculated FAR. The City reserves the right to request CAD files or any other information that may be needed to verify that FAR, setbacks, and other measurements are within required limits.
- 2. The location of the current and proposed impervious coverage (must include before and after lot drainage calculations).
- 3. The location of all downspouts and drainage pipes indicating where runoff will be taken. Differential runoff should be captured by a storm water system.
- 4. Proposed landscaping plan. Please see attached Landscape Plan Checklist for further detail. Trees in the public right-of-way must be protected with a fence, frame, or box if they are proximity of any excavation or construction. This "tree protection zone" must be indicated on the plans.
- 5. Floor plans to scale for all proposed structures.
- 6. Color photos of existing property and neighboring properties. For rear additions, include photos of rear yard and neighboring rear yards.
- 7. Provide building elevation of each face of structure to scale. For additions include full elevations of existing structures. Include a color elevation of at least one side of structure.
- 8. Provide information on type of materials that will be used on exterior façade of proposed structure. Provide at least one colored elevation to scale.

* Siding: LP Smartside and Brick.

Scharf Land Dev. Co.



SIGNATURE OF APPLICANT

7/31/23

DATE

LANDSCAPE PLAN CHECKLIST

The Architectural Review Guidelines, adopted by Ordinance 3-14, August 4, 2014, require Applicants to submit a landscape plan. The following checklist sets forth what must generally be included in the Applicant's submission to fulfill the requirement to submit a landscape plan:

1. Project title listing project name, owner name and name of firm or individual preparing the plan.
2. Scaled base plan using current information from the site development plan depicting existing and proposed grades, and showing final arrangements of all buildings and structures.
3. Location of all lot lines, building setbacks, and easements as depicted on the overall site plan.
4. North arrow.
5. Graphic and Written Scale.
6. Graphic legend depicting existing vegetation and proposed conditions.
7. Location of all improvements such as walks, patios, driveways, and walls shown on the site development plan.
8. Location of all existing and proposed utilities and sewers.
9. Location of all proposed sediment control devices.
10. Graphic depiction of all existing trees including location, types and caliper inch as measured at a Diameter Breast Height (DBH) of 4.5 feet above grade.
11. Graphic depiction of the accurate drip line canopy of all existing trees showing the extent of the critical root zone.
12. Clear designation and tabulation of all existing trees to be saved or preserved, removed or impacted.
13. Proposed tree protection and preservation measures for all saved and impacted trees depicted on plan.
14. Graphic depiction and plant schedule of all proposed trees to be planted including location, species and caliper inch as measured at a DBH of 4.5 feet above grade.
15. Graphic depiction and plant schedule of all proposed landscape plantings, shrubs, lawn areas and groundcovers.
16. Graphic depiction indicating limits of ground disturbance and all associated areas of lawn to be seeded or sodded upon project completion.

** Full Lot to be sodded.*

* 705 West Lockwood

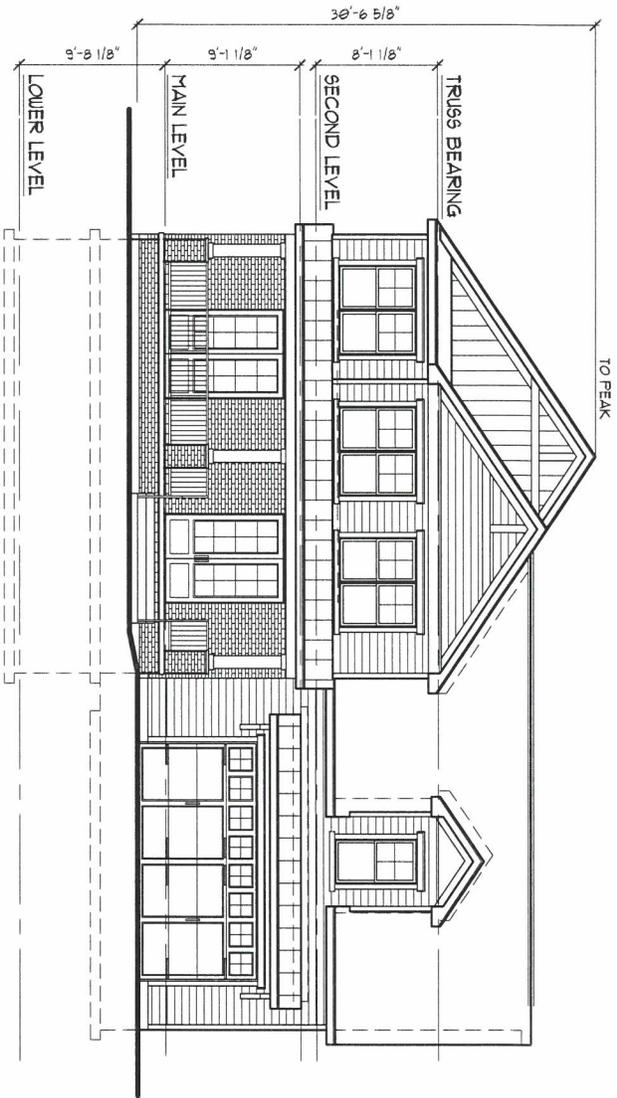
FAR Calculation

1st Floor/Main Level sq. Ft. = 1,515

2nd Floor Sq. Ft. = 1,795

Garage Sq. Ft. $529 \times .50 = 264.50$

Total $3,574.50 \div 11,936$ Lot sq. Ft. = 29.947%



FRONT ELEVATION
 SCALE: 1/8" = 1'-0"

705 WEST LOCKWOOD AVE.
 GLENDALE, MO 63122



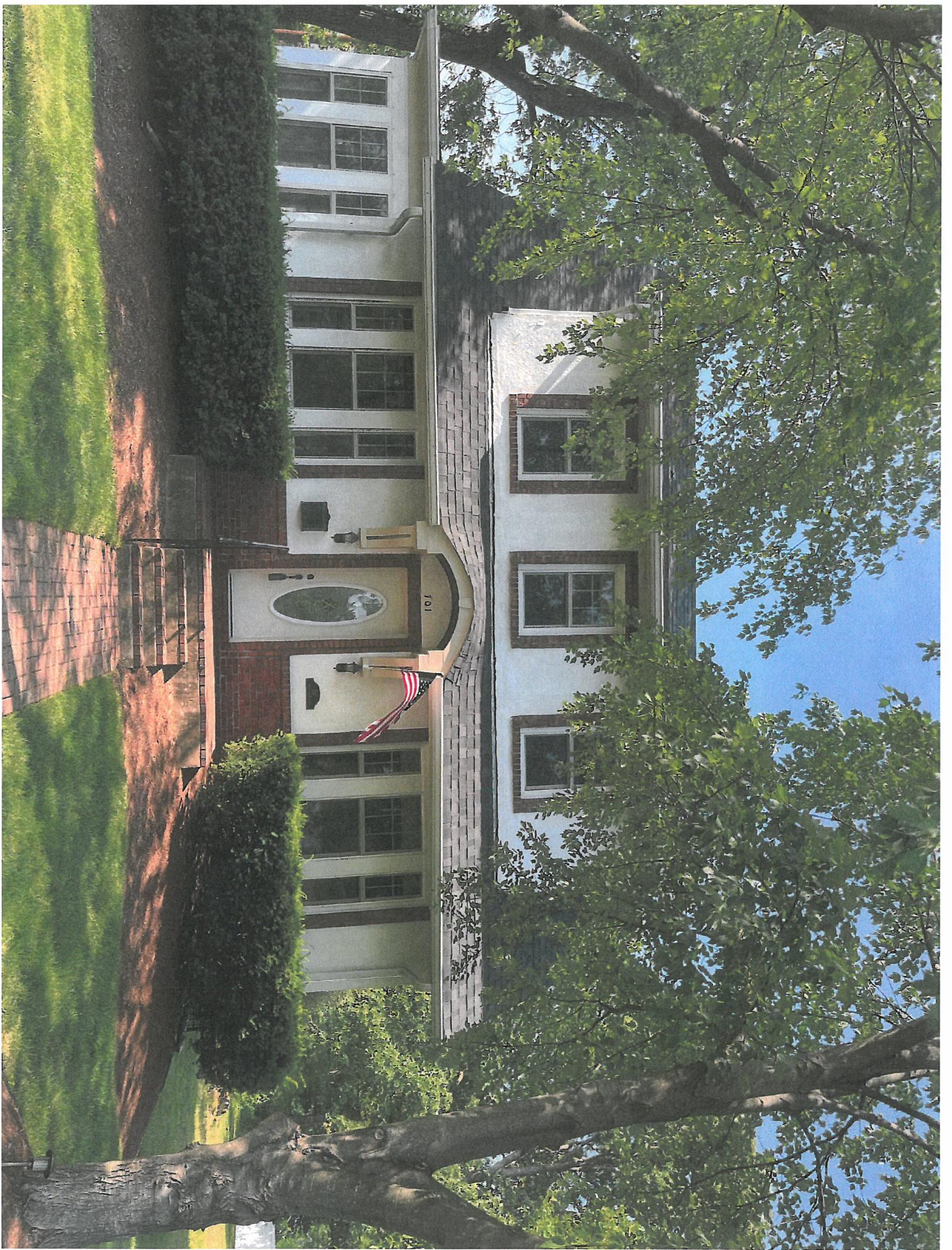












101





LEGEND

DESCRIPTION	SYMBOL
EXISTING MAJOR CONTOUR	---500---
EXISTING MINOR CONTOUR	---502---
PROPOSED MAJOR CONTOUR	—500—
PROPOSED MINOR CONTOUR	—502—
PROPOSED SPOT ELEVATION	+502.00
EXISTING SANITARY SEWER	—○—
EXISTING STORM SEWER	—□—
PROPOSED SANITARY SEWER	—●—
PROPOSED STORM SEWER	—■—
EXISTING WATERLINE	—W—
EXISTING FIRE HYDRANT	
EXISTING GAS LINE	—G—
EXISTING OVERHEAD UTILITY	—OU—
USE IN PLACE	(U.I.P.)
ADJUST TO GRADE	(A.T.G.)
TO BE REMOVED	(T.B.R.)
TO BE REMOVED AND REPLACED	(T.B.R.&R.)
TO BE REMOVED AND RELOCATED	(T.B.R.&REL.)

FF = FINISHED FLOOR ELEVATION
 TF = TOP OF FOUNDATION
 BF = BASEMENT FLOOR ELEVATION
 GF = GARAGE FLOOR ELEVATION
 TW = FINISHED GRADE AT TOP OF WALL
 BW = FINISHED GRADE AT BOTTOM OF WALL
 CO = CLEAN OUT
 DS = DOWNSPOUT

P-570.0 (PROPOSED GRADE)
 E-570.0 (EXISTING GRADE)

YARD SETBACK REQUIREMENTS

MINIMUM BUILDING SETBACKS:
 FRONT = 42.3' (AVERAGE OF ADJACENT HOUSES)
 SIDE = 6.70' (10% FRONT LOT WIDTH)
 REAR = 30'

FLOOR AREA RATIO (FAR)

PROPOSED HOUSE: LIVING SPACE = 3,309 S.F.
 GARAGE = 540 S.F. (COUNTED AT 50%)
 TOTAL FLOOR AREA = 3,579 S.F.
 FAR = 3,579/11,936 = 0.30



**BEFORE YOU
 DIG - DRILL - BLAST**
1-800-344-7483
(TOLL FREE)

MISSOURI ONE CALL SYSTEM, INC.

NOTICE TO CONTRACTOR

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THEREFORE, THE LOCATIONS OF ANY UNDERGROUND FACILITIES SHOWN HEREON MUST BE CONSIDERED APPROXIMATE. PRIOR TO BEGINNING WORK ON THE SITE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THESE FACILITIES, ALONG WITH ANY IN EXISTENCE THAT ARE NOT SHOWN; TO VERIFY THEIR LOCATION BOTH HORIZONTALLY AND VERTICALLY (IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY/FACILITY OWNER); AND TO VERIFY THAT MINIMUM CLEARANCES AND COVER REQUIREMENTS BETWEEN THE EXISTING FACILITIES AND THE PROPOSED WORK WILL BE MET.

PROPERTY DATA

LOCATOR NO. : 23M321032
 ADDRESS : 705 W. LOCKWOOD AVE.
 GLENDALE, MO 63122
 OWNER : JOHN & MARITA DANIEL
 AREA OF TRACT : 11,936 S.F. (0.27 AC.±)
 PRESENT ZONING : R-1
 PRESENT USAGE : SINGLE FAMILY RESIDENCE
 PROPOSED USAGE : SINGLE FAMILY RESIDENCE
 SCHOOL DISTRICT : KIRKWOOD
 FIRE DISTRICT : GLENDALE
 WATERSHED(S) : RIVER DES PERES
 FIRM PANEL : 29189C0309K
 UTILITIES : MISSOURI-AMERICAN WATER CO.
 : METRO. ST. LOUIS SEWER DIST.
 : SPIRE GAS COMPANY
 : AT&T TELEPHONE COMPANY
 : AMEREN UE

GENERAL NOTES

- BOUNDARY AND TOPOGRAPHIC INFORMATION BASED ON SURVEY PROVIDED BY SHERRILL ASSOCIATES INC.
- GRADING AND STORMWATER DRAINAGE TO CONFORM TO THE STANDARDS OF THE CITY OF GLENDALE, MSD, AND MoDNR.
- SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL.
- SANITARY SEWERS TO MEET THE CITY OF GLENDALE AND M.S.D. STANDARDS ON SITE.
- ALL UTILITY SERVICES SHALL BE UNDERGROUND.
- UTILITY INFORMATION PER SURVEY PROVIDED AND AVAILABLE RECORDS.
- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO THE CITY OF GLENDALE STANDARDS.
- THE FINISHED GRADE LEVEL AT THE BUILDING TO BE MINIMUM OF 6" BELOW TOP OF FOUNDATION FOR MASONRY AND 8" FOR FRAME AND BRICK VENEER.
- THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (1:12) FOR A MINIMUM DISTANCE OF 8 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL.
- ALL GRADING SHALL CONFORM TO THE APPROVED GRADING PLAN.
- FOUNDATION FOOTINGS SHALL BE CONSTRUCTED SO AS TO MAINTAIN A 2'6" DEPTH OF EARTH COVER OR AS REQUIRED BY THE LOCAL BUILDING CODES.
- BUILDING DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECT PRIOR TO EXCAVATION OR CONSTRUCTION.
- ALL SEWER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE METROPOLITAN ST. LOUIS SEWER DISTRICT STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWER AND DRAINAGE FACILITIES, 2009.

STORM WATER CALCULATIONS

DESIGN STORM: 15-YEAR 20-MINUTE
 3.54 CFS/AC. IMPERVIOUS SURFACE
 1.70 CFS/AC. PERVIOUS SURFACE

EXISTING IMPERVIOUS AREA = 2,902 S.F.

PROPOSED IMPERVIOUS AREA = 3,857 S.F.

INCREASE IN IMPERVIOUS AREA = 955 S.F.

RESULTING INCREASE IN SITE RUNOFF:
 $955 \text{ S.F.} \times (3.54 - 1.70) / 43,560 = 0.04 \text{ CFS}$

RUNOFF VOLUME = 0.04 CFS \times 60 S/MIN \times 20 MIN = 48 C.F.

VOLUME DETAINED IN PROPOSED STORM WATER STORAGE BED:
 $7' \times 7' \times 2.5' \times 40\% \text{ VOID SPACE} = 49 \text{ C.F.}$

DISCLAIMER

THE WORK PREPARED BY OR UNDER THE DIRECTION OF THE ENGINEER AND AUTHENTICATED BY HIS SEAL AND DATED SIGNATURE IS LIMITED TO SITEWORK ITEMS ONLY, INCLUDING: GRADING, DRAINAGE, PAVING, SEWERS, AND OTHER APPURTENANT SITE IMPROVEMENTS. PURSUANT TO 327.411 RSMo, NO RESPONSIBILITY IS TAKEN FOR SERVICES NOT RENDERED, INCLUDING: BOUNDARY AND TOPOGRAPHIC SURVEYS; STRUCTURAL ELEMENTS (INCLUDING RETAINING WALLS); GEOTECHNICAL INVESTIGATIONS AND RECOMMENDATIONS; UTILITY DISTRIBUTION FACILITIES; CONSTRUCTION MEANS; METHODS AND SCHEDULING; ANY AND ALL OTHER PLANS, SPECIFICATION, ESTIMATES, OR REPORTS THAT DO NOT BEAR THE SEAL, AUTHENTICATING SIGNATURE, AND DATE OF THE ENGINEER.

705 W. Lockwood Avenue

LOT 23 AND THE EAST 17 FEET 1/4 INCH OF LOT 22
 IN BLOCK 1 OF 'OAKLAND PARK', PLAT BOOK 8 PAGE 116,
 CITY OF GLENDALE, ST. LOUIS COUNTY, MO



Vance Engineering, Inc.

10537 Lackland Road
 St. Louis, MO 63114
 P: 314.427.1800

VANCE ENGINEERING, INC.
 MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2003022194

PREPARED FOR:

Scharf Land Development Co.

705 W. Lockwood Ave.
 Glendale, MO 63122

07/13/2023

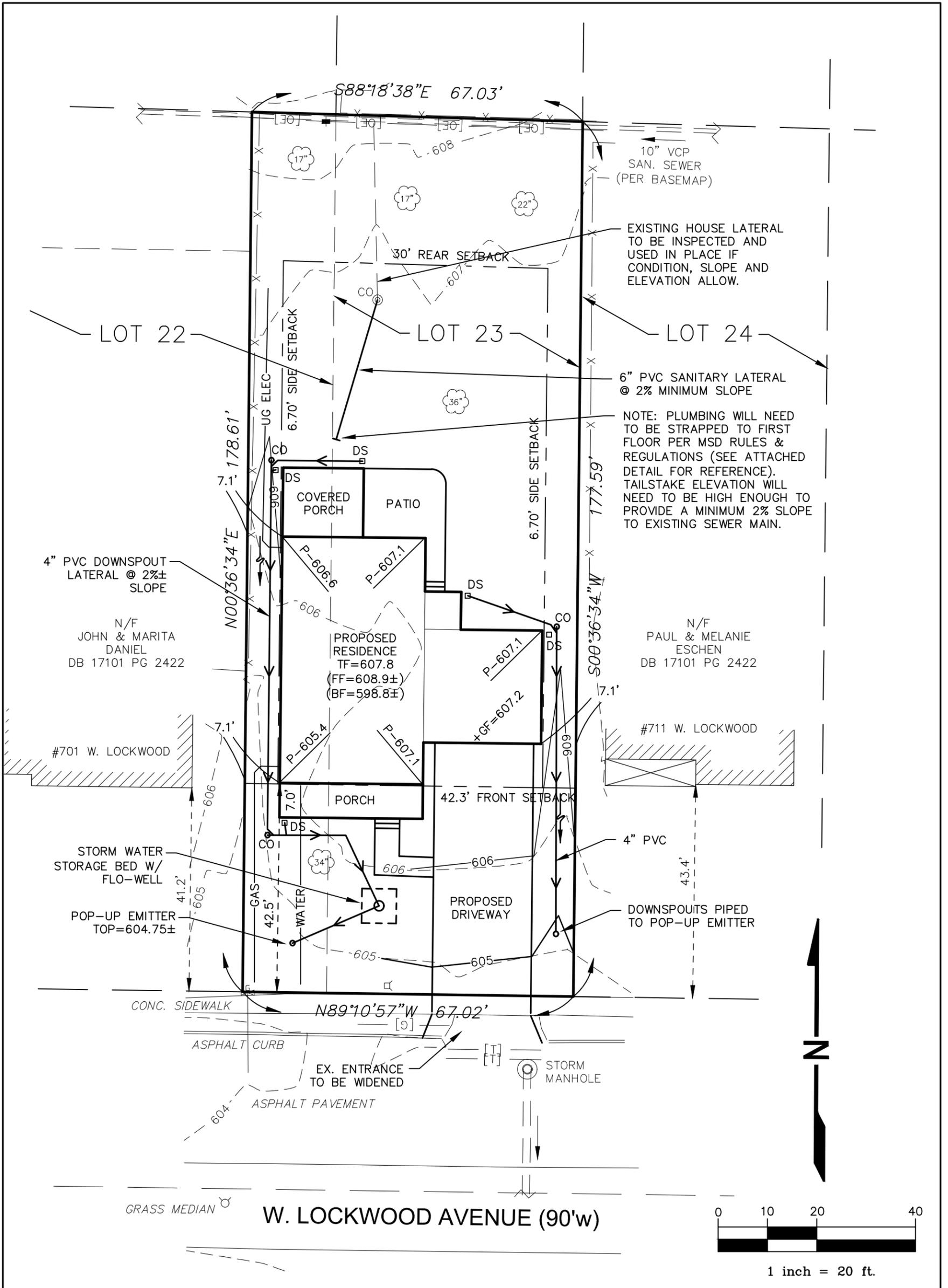
JOB #23093

1 OF 6

PRELIMINARY

7/14/2023

MICHAEL CLAY VANCE, P.E.
 E-25616



Proposed Site Plan

PRELIMINARY



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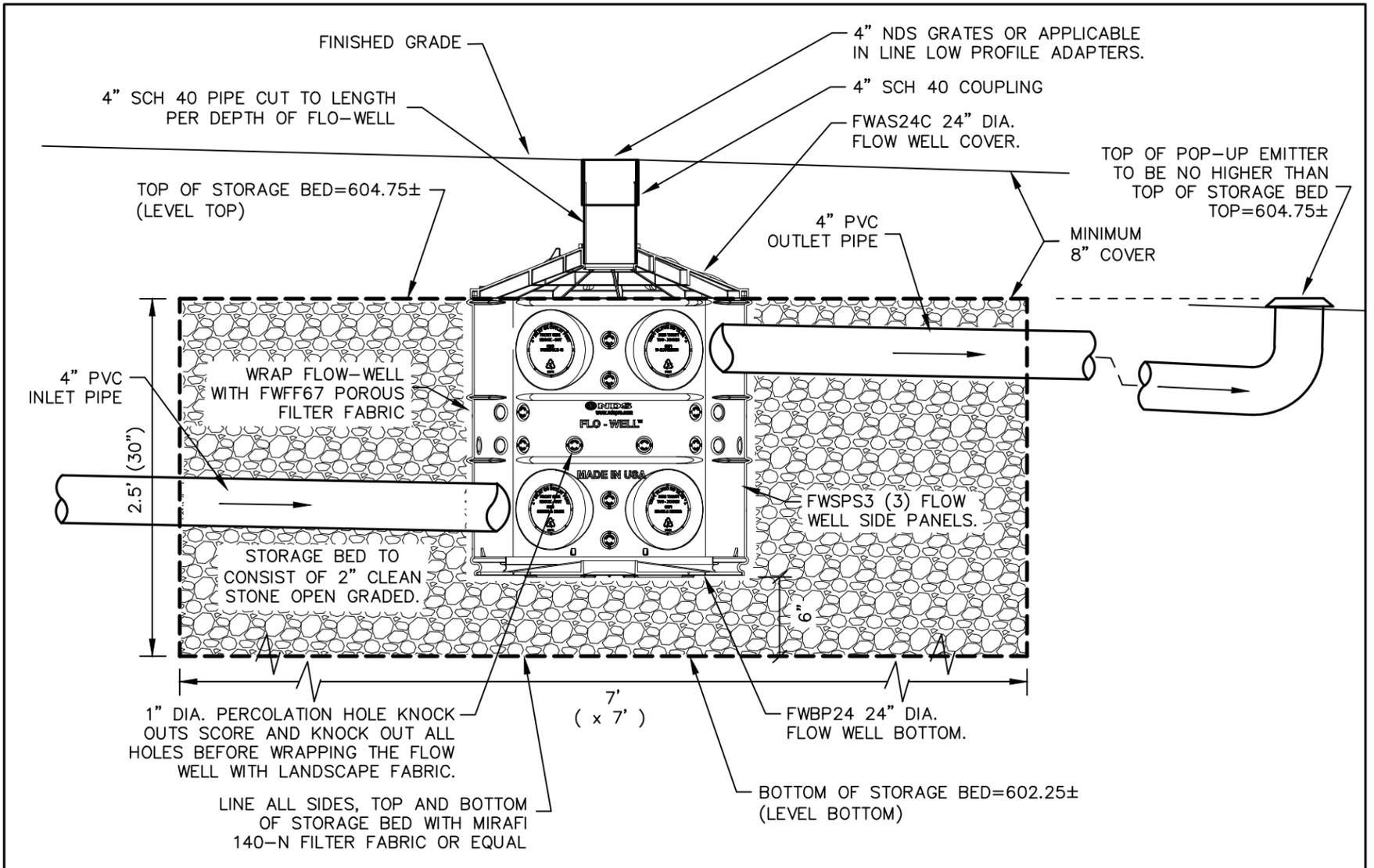
705 W. Lockwood Ave.
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07/13/2023

JOB #23093

3 OF 6

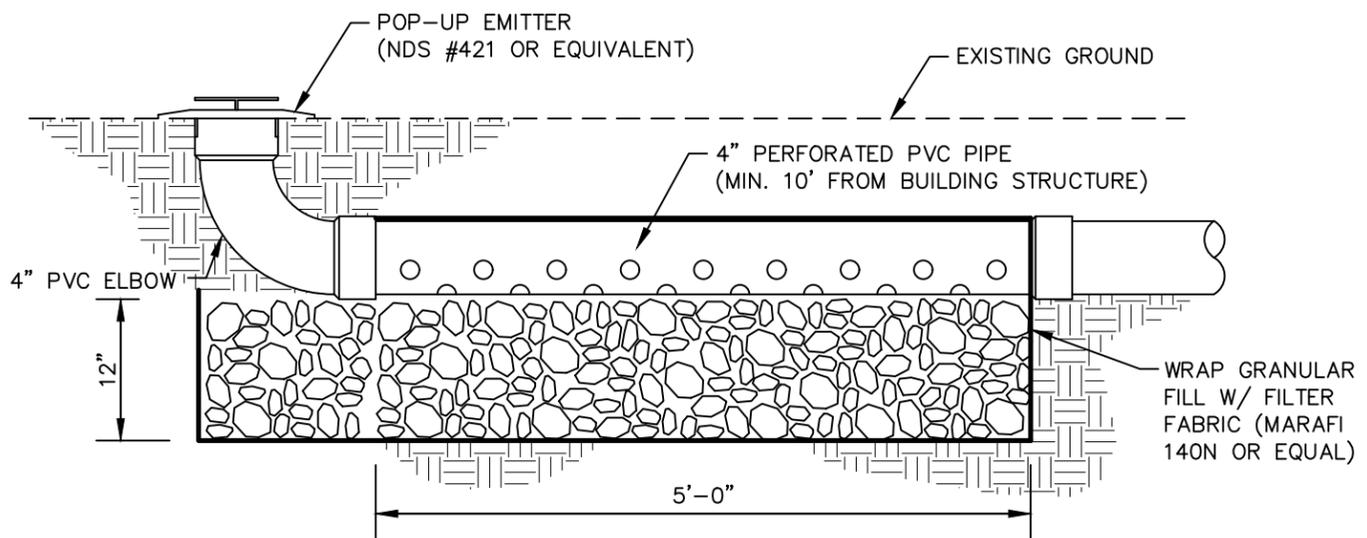
7/14/2023
 MICHAEL CLAY VANCE, P.E.
 E-25616



STORM WATER STORAGE BED with NDS FLO-WELL

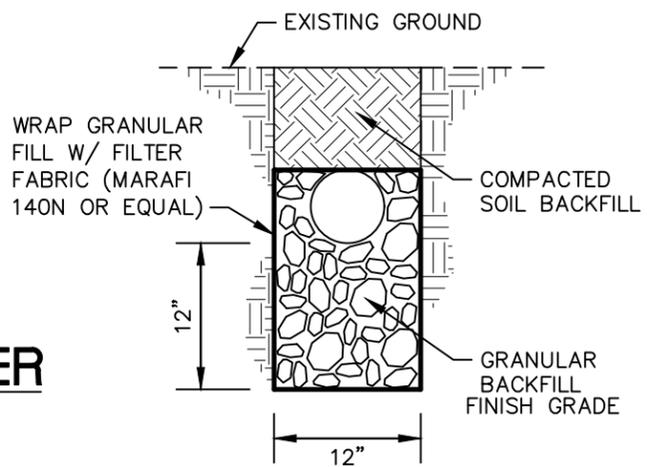
SECTION VIEW (1" = 1')

NOTE:
CONTRACTOR SHALL REFER TO AND FOLLOW THE INSTALLATION PROCEDURES PROVIDED IN THE MANUFACTURERS INSTALLATION GUIDE.



- NOTES:
1. GRANULAR FILL SHALL BE 1" MIN. CLEAN DRAINAGE ROCK.
 2. COMPACT SOIL MATERIAL UNDER LAWNS TO 85% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR COMPACTION TEST. (ASTM D 1557)

POP-UP EMITTER



Site Details



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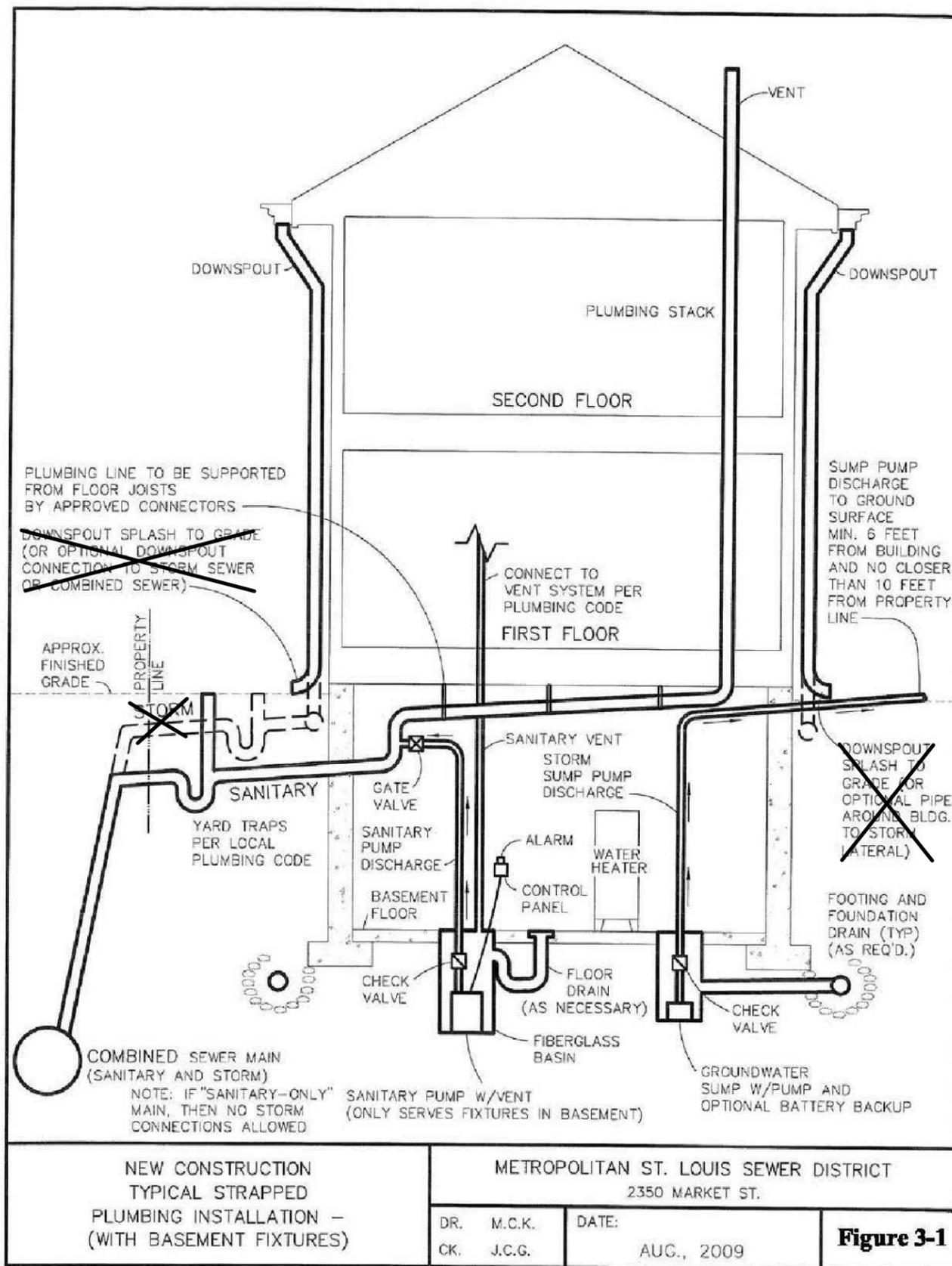
07/13/2023

JOB #23093

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PRELIMINARY

7/14/2023
MICHAEL CLAY VANCE, P.E.
E-25616



8/05/2009

SS0S31

Site Details

PRELIMINARY



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St. Louis, MO 63114
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MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2003022194

PREPARED FOR:

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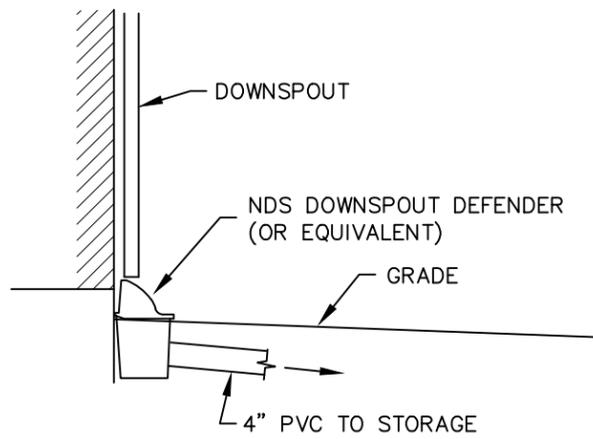
705 W. Lockwood Ave.
Glendale, MO 63122

07/13/2023

JOB #23093

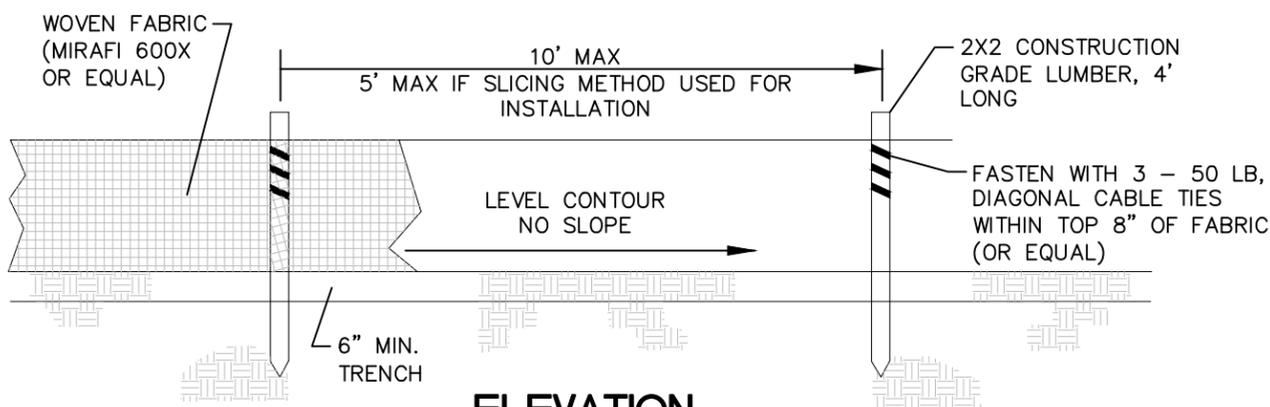
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7/14/2023
MICHAEL CLAY VANCE, P.E.
E-25616



DOWNSPOUT DETAIL

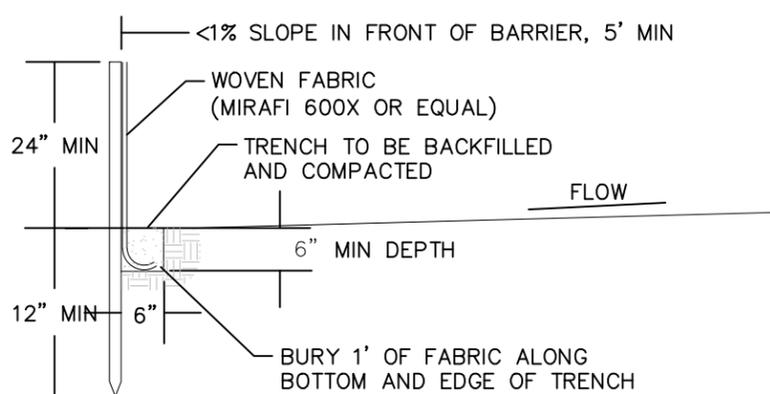
TYPICAL FOR EACH DOWNSPOUT
THAT IS PIPED TO STORAGE BED



ELEVATION

SPACING ALONG SLOPES

3:1 SLOPES	30' FENCE TO FENCE
3:1 TO 10:1 SLOPES	50' FENCE TO FENCE
SLOPES <10%	100' FENCE TO FENCE



SECTION

NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED
TO SLICE INTO THE GROUND, THE TRENCH IS NOT NEEDED

NOTES:

1. SEE PLAN FOR INITIAL INSTALLATION LOCATION.
2. INSTALL SILT FENCE PRIOR TO DISTURBANCE OF NATURAL VEGETATION
3. INSPECT & MAINTAIN FENCE AFTER EVERY RAINSTORM OR MINIMUM 2 WEEK INTERVALS DURING DRY PERIODS.
4. SILT IS TO BE REMOVED WHEN DEPTH ALONG FENCE REACHES 12" OR 1/2 THE FENCE HEIGHT.
5. STABILIZE ANY AREAS SUSCEPTIBLE TO UNDERMINING AS SOON AS THEY ARE NOTICED.
6. EXTEND/ADD FENCE AS NECESSARY TO MAINTAIN/PROVIDE ADEQUATE PROTECTION.
7. UPON ESTABLISHMENT OF ADEQUATE VEGETATION, REMOVE FENCE, REGRADE AND VEGETATE TRENCH AREAS.

SILT FENCE

N.T.S.

Site Details

PRELIMINARY



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PREPARED FOR:

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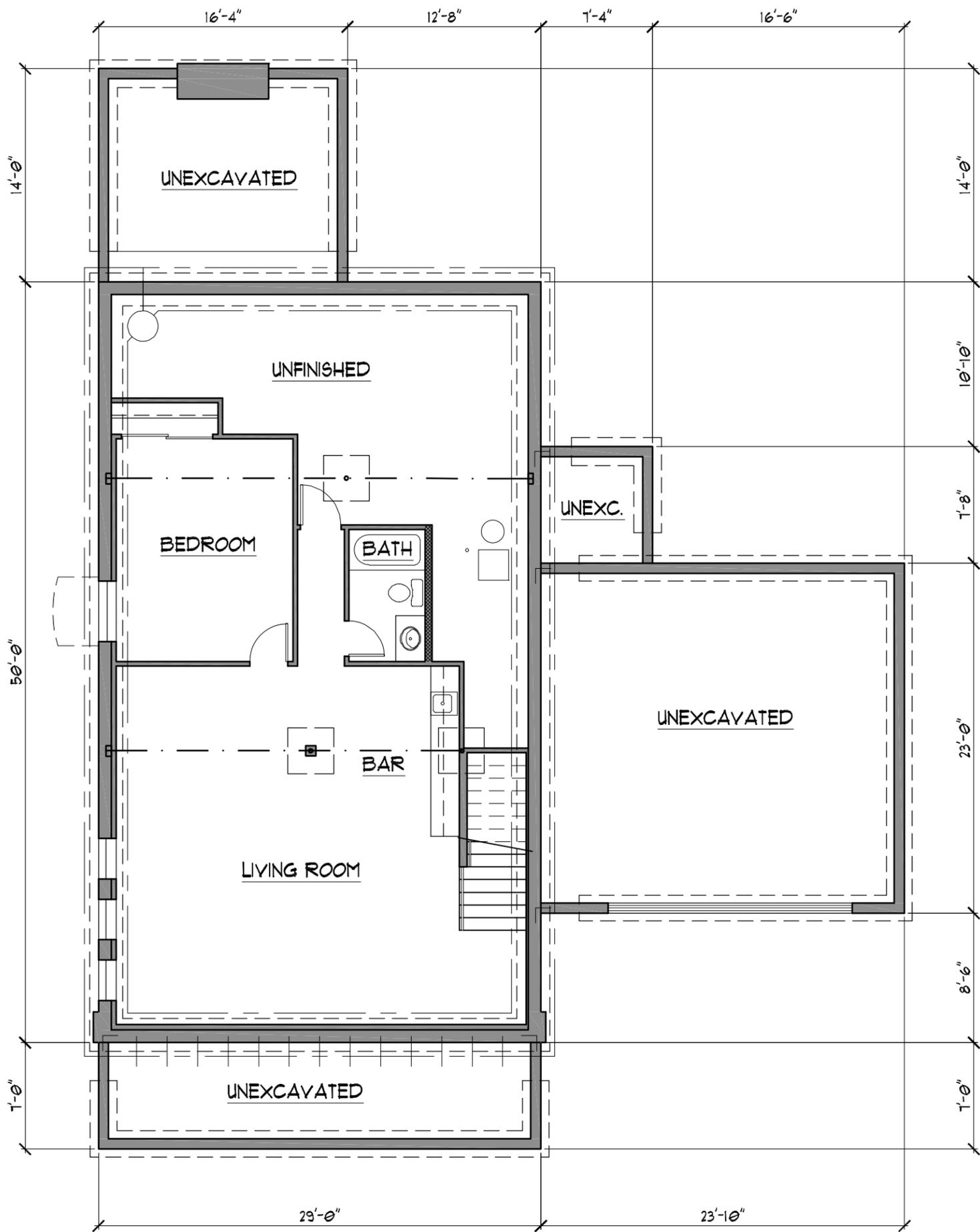
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07/13/2023

JOB #23093

6 OF 6

7/14/2023
MICHAEL CLAY VANCE, P.E.
E-25616



LOWER LEVEL PLAN

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

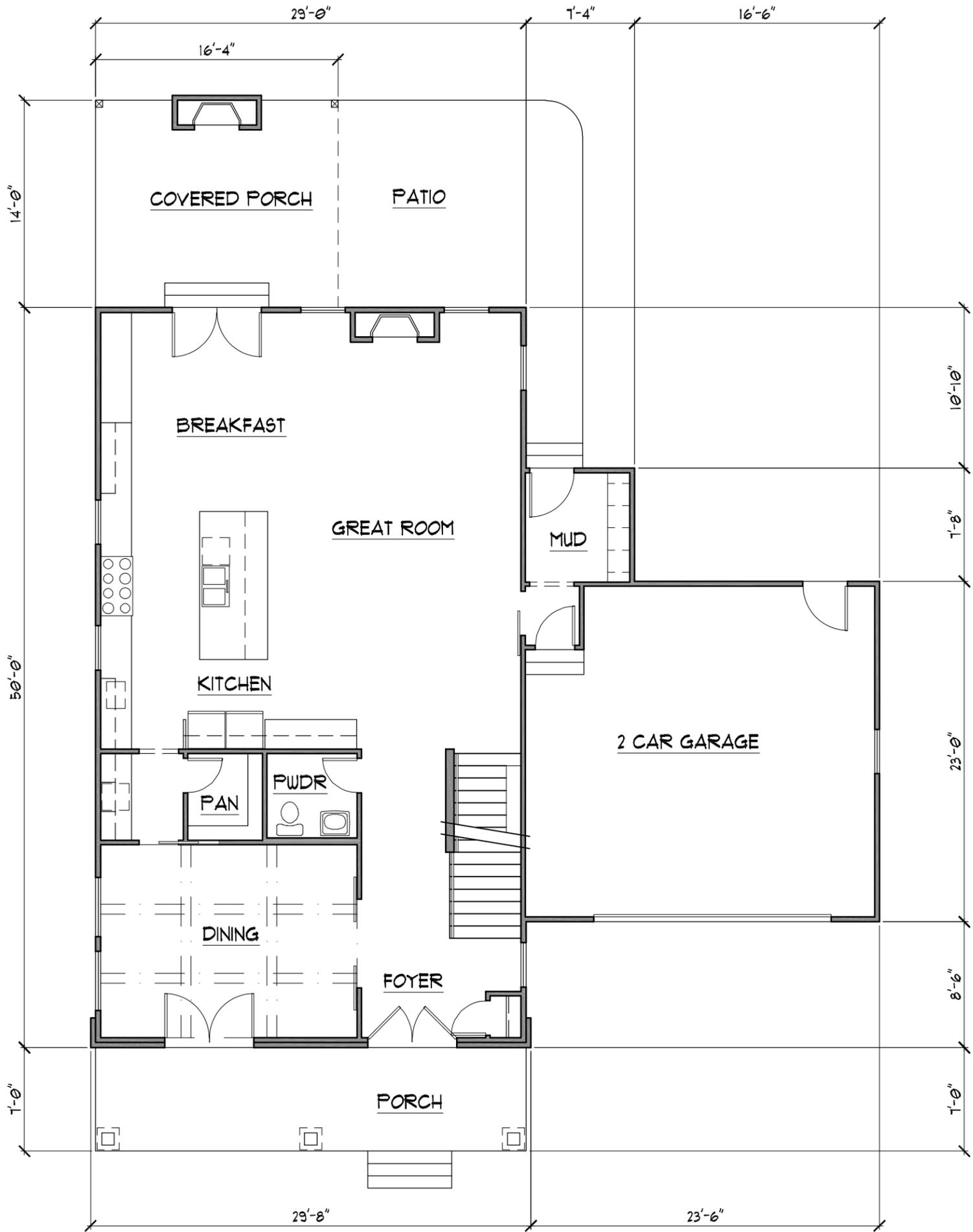
SQUARE FEET: 916.00 (FINISHED)

705 WEST LOCKWOOD AVE.
 GLENDALE, MO 63122



TIM HOLLERBACH
 DESIGNS

1548 JEFFCO BLVD
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 314-578-8470
www.timhollerbachdesigns.com



MAIN LEVEL PLAN

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

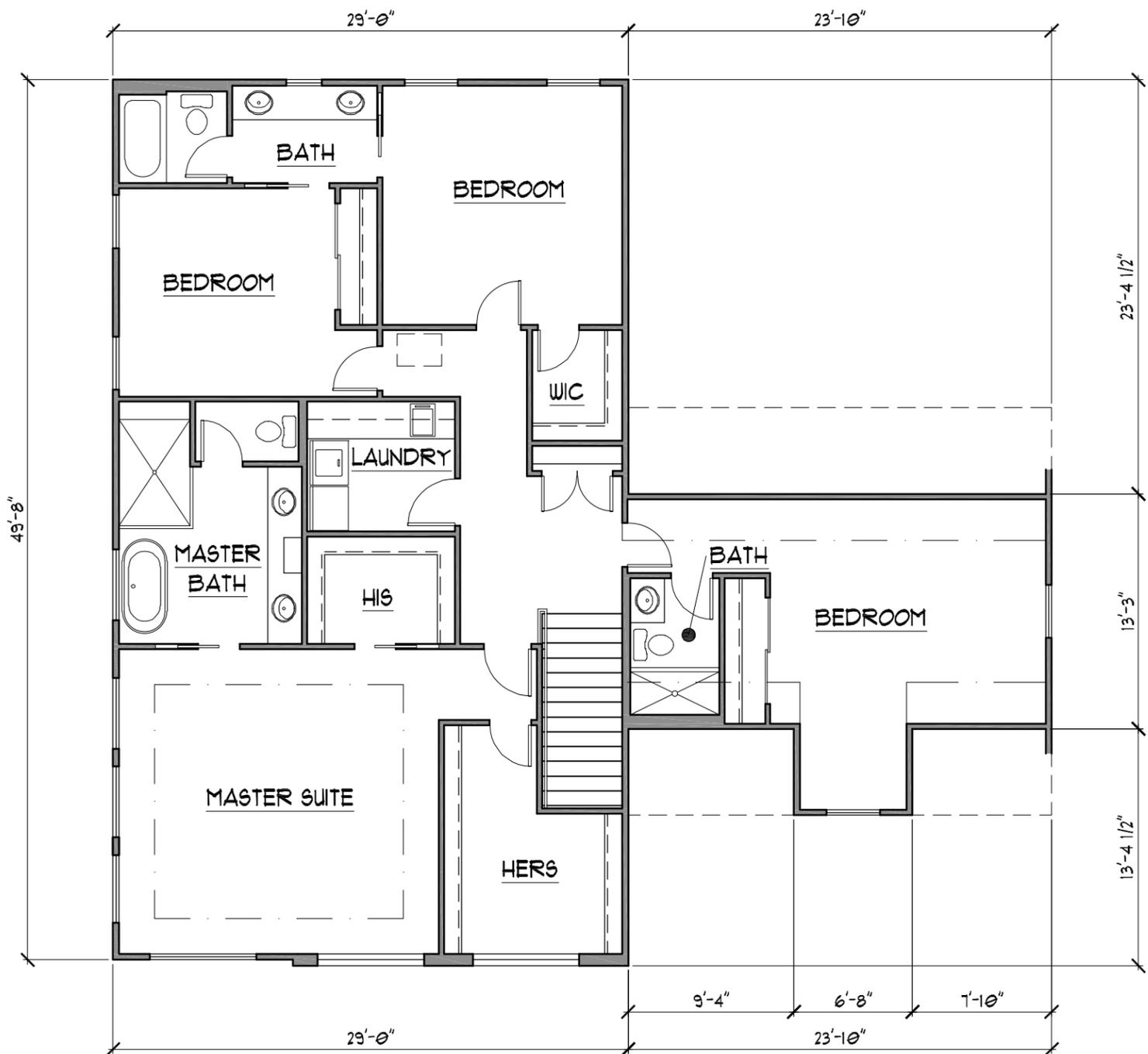
SQUARE FEET: 1,525.00

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SECOND LEVEL PLAN

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

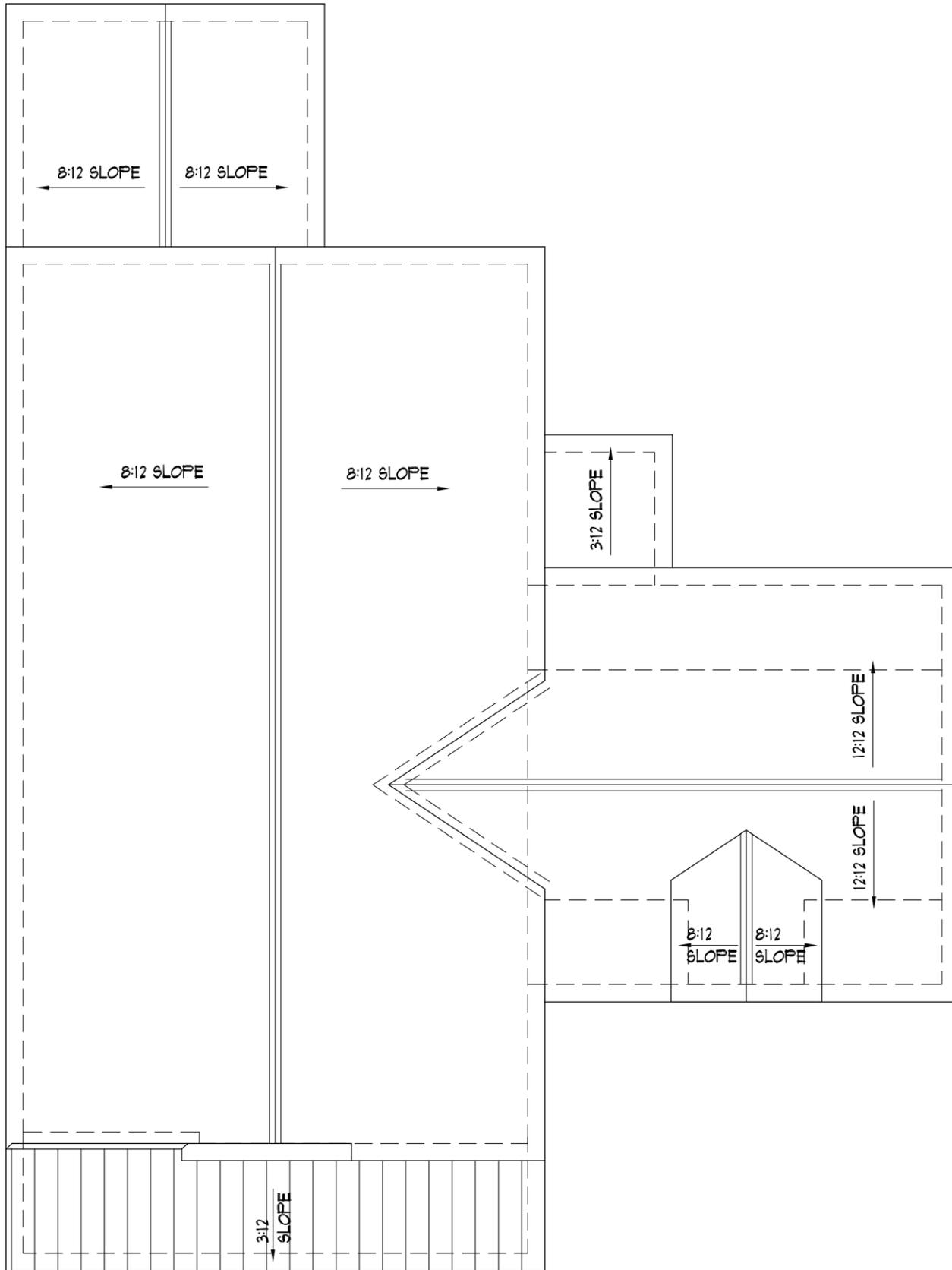
SQUARE FEET: 1,189.00

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ROOF PLAN

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

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 GLENDALE, MO 63122



FRONT ELEVATION

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

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 GLENDALE, MO 63122



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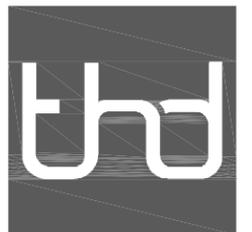
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REAR ELEVATION

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

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RIGHT SIDE ELEVATION

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

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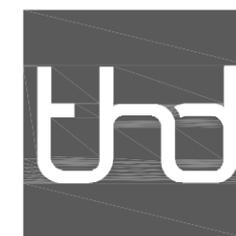
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LEFT SIDE ELEVATION

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

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**Install and maintain tree protection fence as indicated on preservation plan for all trees marked SAVE.
Silt protection shall be installed in a trenchless manner if introduced within the critical root zone of any tree to be
SAVED. (I.E woodchips, wattles, and hay bales)**

I hereby certify that I have viewed the premises and provided this professional opinion regarding the survivability of significant trees on this site and abutting the site. Attached is a site plan illustrating the recommended location of tree protection fencing. This fence is to remain erect throughout the construction project . All tree inspections were performed from the ground and are limited in scope. Tree and utility locations are approximate and locations of utilities are subject to change.

A handwritten signature in blue ink, appearing to read "Craig R. Murphy".

Craig R. Murphy
I.S.A Certified Arborist
IL-9645A



TREE STUDY
SITE PLAN REVIEW
7-18-2023

PROPERTY LOCATION: 705 W. Lockwood

#	TREE SPECIES	D B H	PRESERVE/ TBR/ INSTALL	ADJOINING LOT	COMMENTS	VALUE	COND %	TOTAL CANOPY SQ FT
A	saucer magnolia	3x13"	TBR		multi-trunk, ivy, storm damage	\$2435	68	897
B	viburnums	10x1"	PRESERVE	YES	row of clusters, existing fence to suffice as tree protection	cost to replace	70	----
C	American elm	17"	TBR		surface roots, water sprouts, phototropic, vines	\$935	64	511
D	black gum	18"	PRESERVE		deadwood, girdling roots	\$1770	62	573
E	sweet gum	24"	PRESERVE		deadwood, storm damage	\$2855	66	1018
F	arborvitae	3"	PRESERVE	YES	existing fence to suffice as tree protection	cost to replace	70	----
G	post oak	34"	TBR		ivy, deadwood, compartmentalized deadwood GRADING/ UTILITIES	\$9115	72	2043
H	Japanese maple	2"	PRESERVE	YES	strong central leader	cost to replace	70	----
1	EASTERN HEMLOCK	2.5"	INSTALL					707
2	AMERICAN BEECH	2.5"	INSTALL					2826

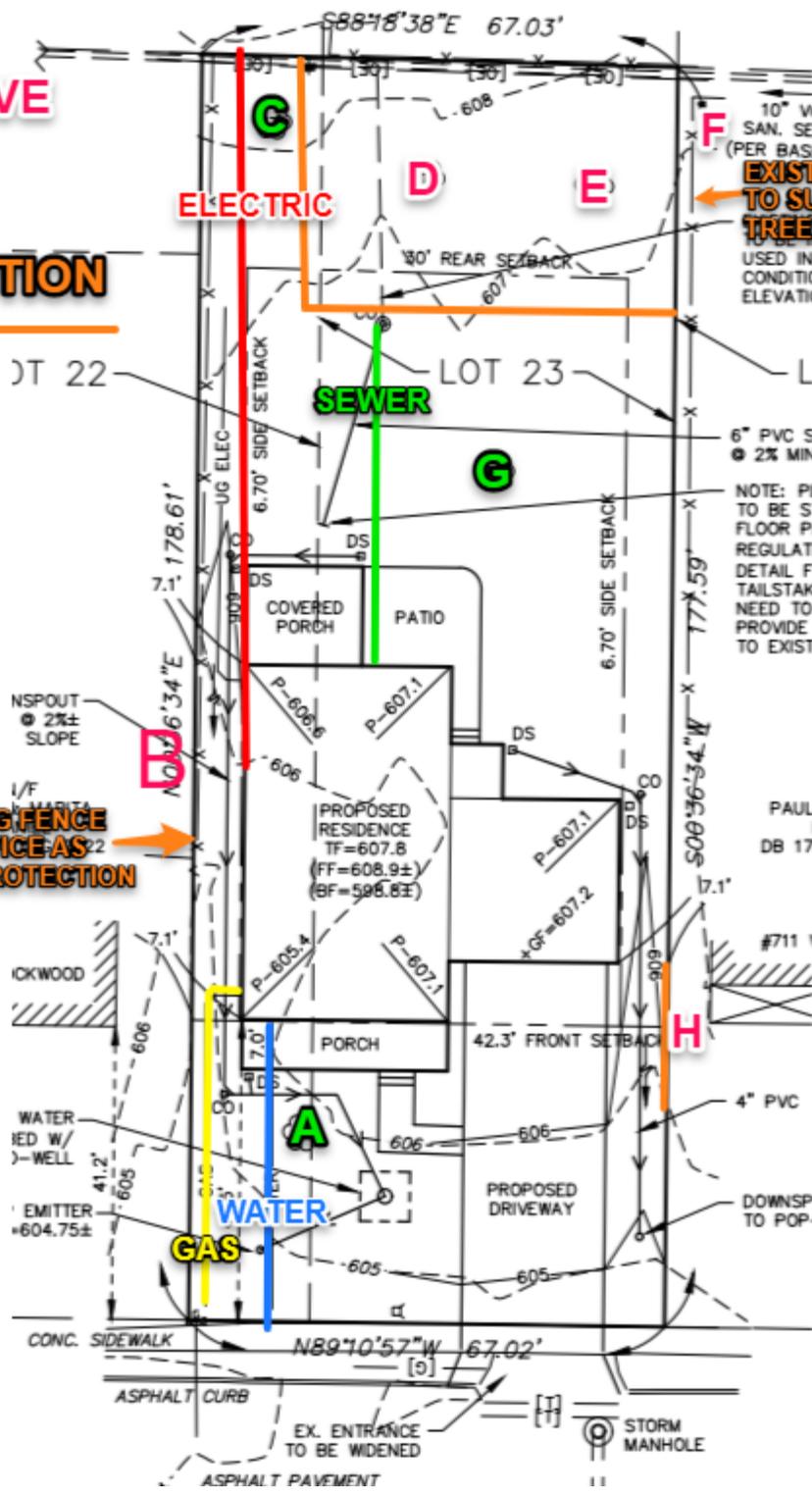
**Canopy coverage has been adjusted to reflect shared and overlapping crowns.
 Tree species and install locations are recommendations and can be adjusted as long as the guidelines, set forth by
 Kirkwood's canopy replacement policy, are followed.**

Lot size	11,993 Sq ft @ 35% = 4,198 Sq ft
Current Canopy	5,042 Sq ft 42% Lot Coverage
Canopy Removed	3,451 Sq ft 68% Current Canopy Removed
Post Demo Canopy	1,591 Sq ft 13% Lot Coverage Remaining
Added Canopy	3,533 Sq ft
Proposed Final Canopy	5,124 Sq ft 43% Final Coverage

PRESERVE

TBR

TREE PROTECTION FENCE



EXISTING FENCE TO SUFFICE AS TREE PROTECTION

EXISTING FENCE TO SUFFICE AS TREE PROTECTION

ELECTRIC

SEWER

GAS

WATER

10" W SAN. SE (PER BAS TO BE USED)
6" PVC S @ 2% MIN
NOTE: PI TO BE S FLOOR P REGULAT DETAIL F TAILSTAK NEED TO PROVIDE TO EXIST

NSPOUT @ 2%± SLOPE

I/F

WICKWOOD

WATER IED W/)-WELL

EMITTER +604.75±

CONC. SIDEWALK

ASPHALT CURB

ASPHALT PAVEMENT

PAUL DB 17

#711

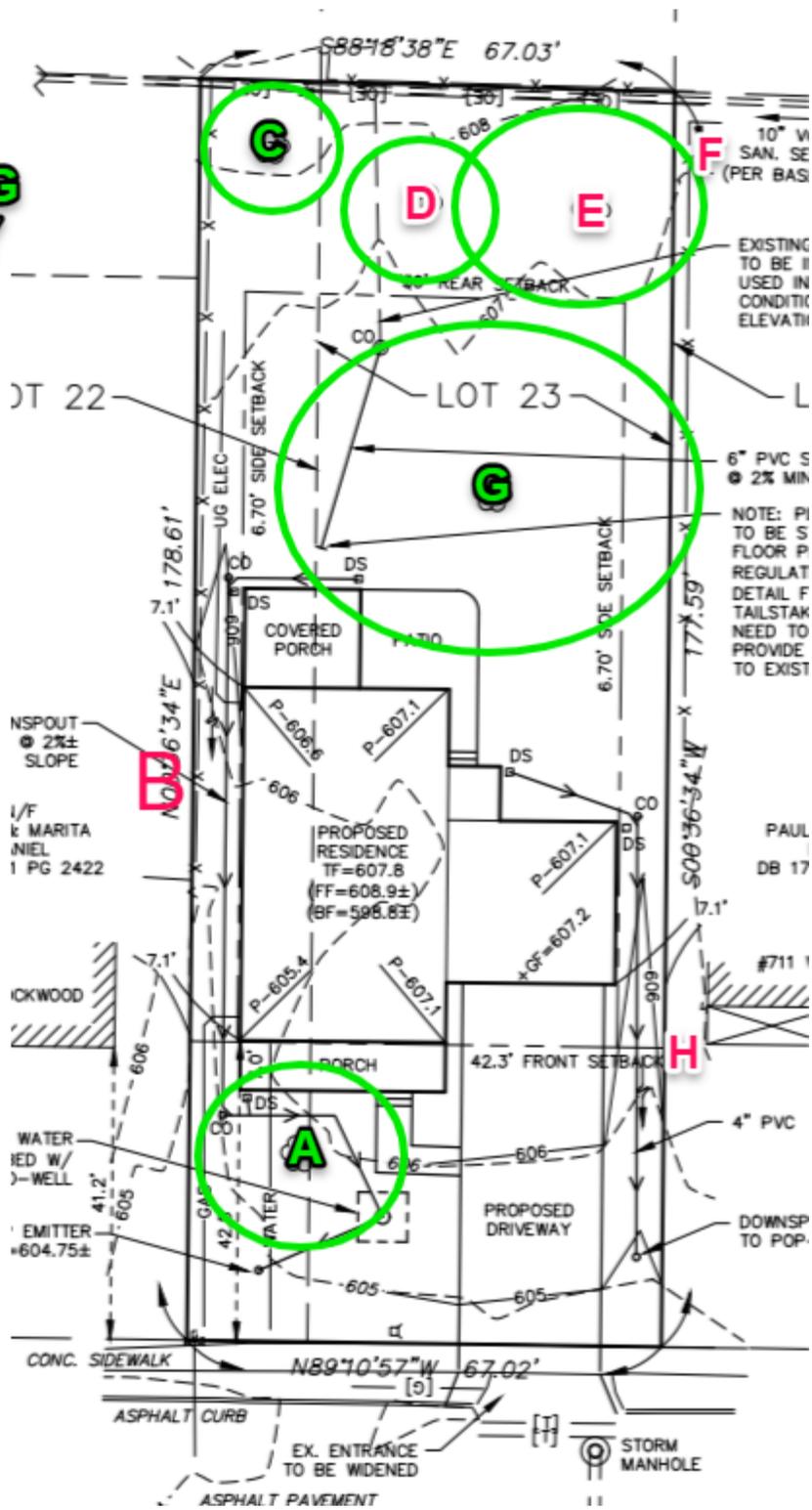
4" PVC

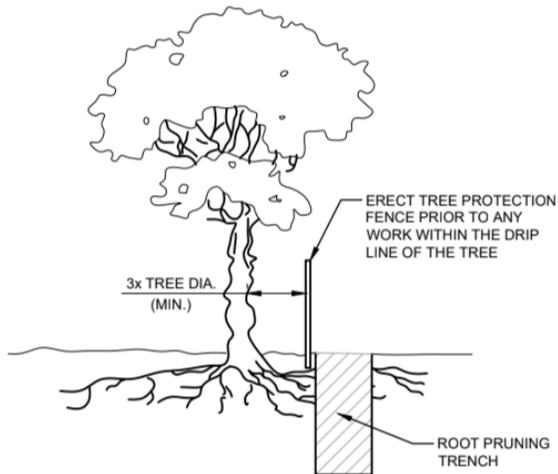
DOWNSP TO POP.

STORM MANHOLE

11

EXISTING CANOPY





NOTES:

1. ROOT PRUNING SHALL BE DONE WHENEVER THERE WILL BE GRADING, CUTTING OR COMPACTION DISTURBANCE UNDERNEATH THE DRIP LINE OF A TREE. PRIOR TO ANY WORK WITHIN DRIP LINE, THE CONTRACTOR SHALL ERECT A TREE PROTECTION FENCE AND CONTACT AN ISA CERTIFIED ARBORIST TO COORDINATE WORK. NO DISTURBANCE SHALL BE DONE WITHIN A DISTANCE OF 3X THE DIAMETER OF THE TREE, DUE TO STABILITY CONCERNS.
2. ROOT PRUNING SHALL BE DONE WITH A SHARP TOOL, IN SUCH A WAY THAT DOES NOT PULL ON THE ROOTS, BUT LEAVES SMOOTH CUTS. DO NOT TEAR ROOTS WITH EXCAVATION EQUIPMENT. IT IS PREFERABLE TO EXPOSE THE ROOTS PRIOR TO ROOT PRUNING. AFTER PRUNING, FILL THE AREA WITH QUALITY TOPSOIL AND WATER UNTIL THOROUGHLY SOAKED.
3. ONCE EXPOSED, ROOTS MUST BE COVERED WITHIN 8 HOURS. IF ROOTS WILL BE LEFT EXPOSED FOR LONGER THAN 8 HOURS, THEY MUST BE KEPT MOIST. ONE OPTION IS TO PUT MOIST BURLAP OVER THE EXPOSED ROOTS.

NOTES (CONT.):

4. ROOT PRUNING SHALL MEET OR EXCEED ANSI A300 OR APPROVED TREE CARE INDUSTRY STANDARDS.

DIGGING PROCESS

1. THE PRUNING TRENCH SHOULD BE CLEARED IN A WAY THAT EXPOSES THE ROOTS WHILE LEAVING THEM INTACT.
 - 1.1. USE HAND TOOLS OR AN AIR KNIFE II) DO NOT USE AN EXCAVATOR, AS THIS WILL PULL ON THE ROOTS AND POSSIBLY DAMAGE THE TRUNK III) IF A ROOT LARGER THAN 2" IS EXPOSED, LEAVE THIS ROOT INTACT AND CONTACT LANDSCAPE SERVICES
2. ONCE THE ROOTS ARE EXPOSED, USE A SHARP TOOL TO CLEANLY CUT ALL ROOTS WHICH ARE BETWEEN 1-2" DIAMETER, TO THE DEPTH OF THE PROPOSED DISTURBANCE
 - 2.1. APPROPRIATE TOOLS INCLUDE SHARP LOPPING SHEARS, HANDSAWS, A SHARPENED AXE, A ROOT PRUNER GRINDER, A RECIPROCATING SAW AND ANY OTHER SHARP TOOL WHICH LEAVES A CLEAN CUT
 - 2.2. YOU MAY NOT USE A CHAINSAW OR CHAIN TRENCHER TO MAKE THE FINAL CUTS
 - 2.3. ALL ROOTS SHALL BE LEFT WITH A CLEAN, SMOOTH ENDS AND NO RAGGED EDGES
3. POST PRUNING
 - 3.1. TREE ROOTS MUST BE KEPT MOIST. IF ROOTS ENDS WILL BE LEFT EXPOSED FOR MORE THAN 8 HOURS, COVER THE HOLE WITH MOIST BURLAP.
 - 3.2. FILL THE HOLE WITH HIGH QUALITY TOP SOIL, MULCH THE AREA WITH TRIPLE SHREDDED HARDWOOD TO A DEPTH OF 3", AND WATER WELL.

