

RENOVATIONS AND ADDITIONS FOR CRIEVE HALL PRE-SCHOOL

MAP 146-04, PARCEL 140,
AND
MAP 146-08, PARCEL 16
CASE NO. 2014SP-010-001

NASHVILLE, TENNESSEE

JANUARY 2, 2014

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**INGRAM CIVIL
ENGINEERING GROUP, LLC**

240 WILSON PIKE CIRCLE, SUITE 200

BRENTWOOD, TN 37027

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PARKING TABLE	
REQUIRED PARKING EXISTING: (DAYCARE CENTER) 1 SPACE FOR EACH 5 INDIVIDUALS ACCOMMODATED, UP TO 50 INDIVIDUALS; FOR MORE THAN 50 INDIVIDUALS ACCOMMODATED, 10 SPACES PLUS 1 SPACE PER 10 INDIVIDUALS 10 + 1" (60 / 10) =	16 SPACES
(RELIGIOUS INSTITUTION) 1 SPACE PER 4 SEATS IN THE SANCTUARY OR EQUIVALENT WORSHIP SPACE 1,250 / 4 =	313 SPACES
REQUIRED PARKING PROPOSED: (DAYCARE CENTER) 1 SPACE FOR EACH 5 INDIVIDUALS ACCOMMODATED, UP TO 50 INDIVIDUALS; FOR MORE THAN 50 INDIVIDUALS ACCOMMODATED, 10 SPACES PLUS 1 SPACE PER 10 INDIVIDUALS 10 + 1" (115 / 10) =	22 SPACES
(RELIGIOUS INSTITUTION) 1 SPACE PER 4 SEATS IN THE SANCTUARY OR EQUIVALENT WORSHIP SPACE 1,250 / 4 =	313 SPACES
EXISTING PARKING TOTAL =	465 SPACES
PROPOSED PARKING TOTAL =	443 SPACES

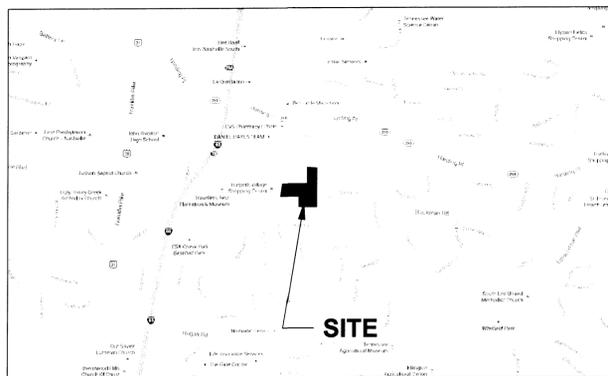
CHURCH SERVICES ARE SUNDAYS MORNING AND EVENING AND WEDNESDAYS 5:15 PM-8:00 PM
DAYCARE CENTER HOURS ARE MONDAY-FRIDAY 8:30 AM - 3:30 PM

CHURCH SERVICE HOURS AND DAY CARE CENTER HOURS DO NOT OVERLAP; THEREFORE, THE MAXIMUM REQUIRED PARKING FOR THE SITE IS 313 SPACES BASED ON THE CHART ABOVE.

General Notes

1. THE PURPOSE OF THIS SP IS TO PERMIT EXISTING USES INCLUDING CRIEVE HALL CHURCH OF CHRIST AND CRIEVE HALL DAYCARE AND TO PERMIT AN INCREASE TO THE NUMBER OF STUDENTS ALLOWED (PROPOSED MAXIMUM OF 99) TO ATTEND THE CRIEVE HALL DAYCARE.

2. CRIEVE HALL CHURCH OF CHRIST, LOCATED AT 4806 TROUSDALE DRIVE, IS CURRENTLY ZONED R10 SINGLE FAMILY DWELLING. THE CURRENT USES FOR THE SITE ARE CHURCH, DAYCARE CENTER (UP TO 75), AND SINGLE FAMILY DWELLING. THE PROPOSED USES FOR THE SITE ARE CHURCH AND DAYCARE CENTER (OVER 75). THESE USES WERE DETERMINED IN AN INTERVIEW WITH THE METRO PLANNING AND ZONING DEPARTMENT ON DECEMBER 30, 2013. THE PROPOSED ZONE, SP, WILL ALLOW THE PROPERTY TO INCREASE THE DAYCARE ENROLLMENT FROM THE CURRENT 75 UP TO 99. THE COUNCILMAN OF DISTRICT 26, CHRIS HARMON, SUPPORTS THE CHURCH'S PLANS TO RENOVATE THE EXISTING BUILDING AND ADD AN ADDITION TO INCREASE DAYCARE ENROLLMENT TO 99 STUDENTS. THERE WAS ALSO A PRE-APPLICATION MEETING WITH METRO PLANNING STAFF ON NOVEMBER 21, 2013. AFTER THIS MEETING METRO PLANNING CONFIRMED IN THEIR WEEKLY MEETING THAT THE PROPOSED PLAN WAS CONSISTENT WITH THE SOUTHEAST COMMUNITY PLAN. THE CHURCH USE ON THE PROPERTY WILL HAVE SEVERAL ACCESSORY USES ASSOCIATED WITH IT INCLUDING THE SCHOOL OF PREACHING, HOUSING FOR VISITING MISSIONARIES/VISITORS, SCOUT MEETINGS AND VARIOUS PUBLIC FUNCTIONS.



VICINITY MAP
SCALE: NTS

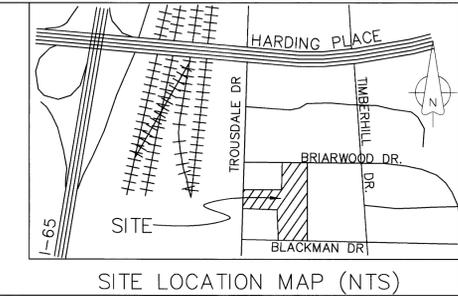
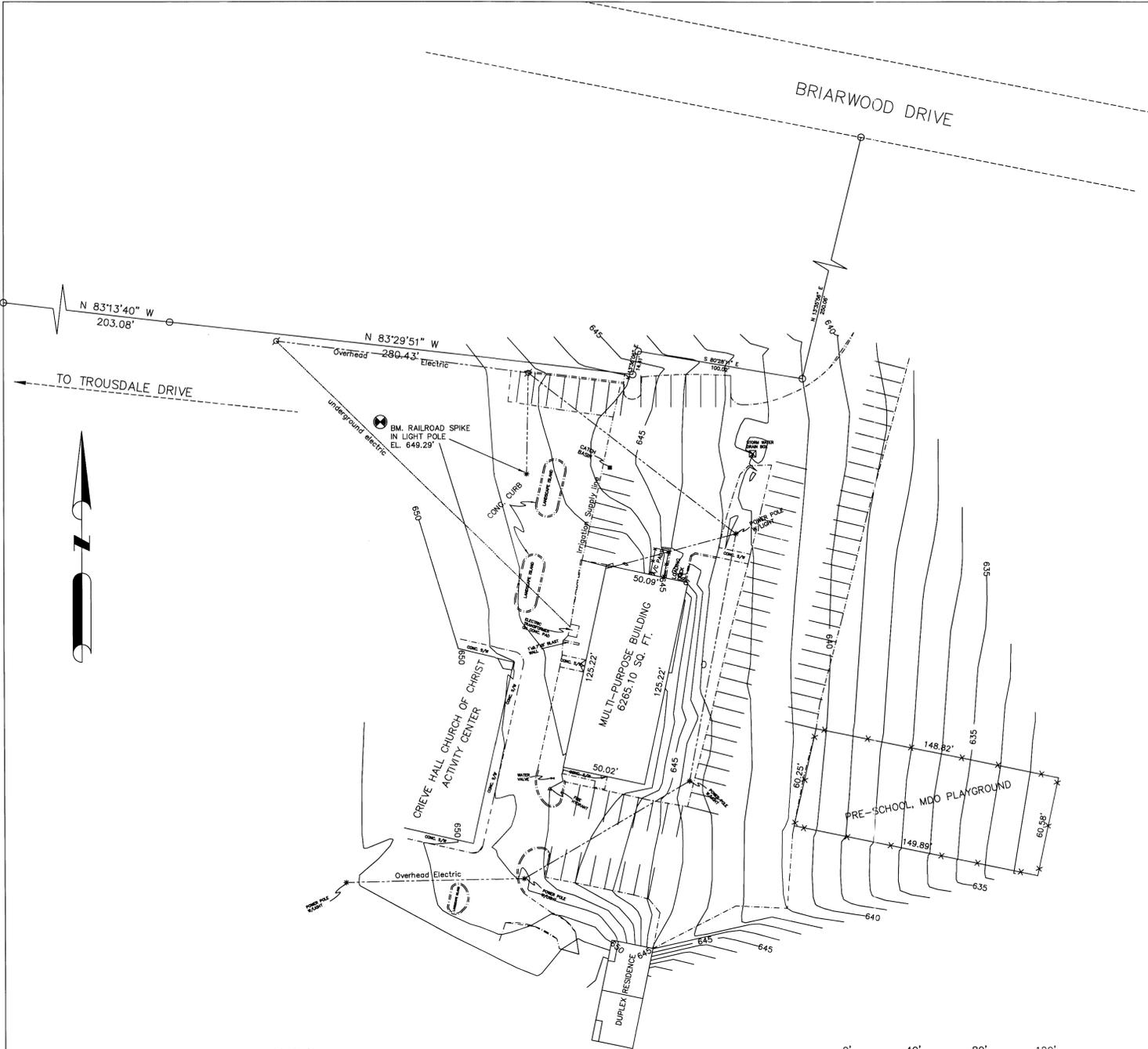
SPECIFIC PLAN APPROVAL

PRELIMINARY, FINAL, as AMENDED, in
 FULL, CONDITIONAL, compliance with the
SP provisions of the Metropolitan Zoning Ordinance.
Conditions See BC 2014-710.

By *William S. Simpson* MPC Date 4/14/2014
Commission

DEVELOPMENT SUMMARY	
COUNCIL DISTRICT/COUNCILMAN	26 / CHRIS HARMON
OWNER(S) RECORD / MAP & PARCEL #	CRIEVE HALL CHURCH OF CHRIST / MAP 146-04; PARCEL 140 MAP 146-08 PARCEL 16
SP NAME	CRIEVE HALL CHURCH OF CHRIST
SP NUMBER	
PLAN PREPARATION DATE	JANUARY 2, 2014
DESIGN PROFESSIONAL	SAMUEL H. BOHANNON TN LICENSE NO. 113398
U.S. FEMA FIRM MAP NO.	47037C 0334 F / NOT IN SPECIAL FLOOD AREA / DATED: APRIL 20, 2001

SITE DATA TABLE	
GROSS SITE HORIZONTAL AREA	13.14 ACRES
FLOOR AREA RATIO (FAR)	.20
LOTS	2 EXISTING 2 PROPOSED
MAXIMUM BUILDING HEIGHT (STORIES)	3
MINIMUM SETBACKS (FEET)	
SIDE	5
REAR	20
IMPERVIOUS SURFACE RATIO (ISR)	
BUILDINGS	.15
ROADS/SIDEWALKS/DRIVES/PAVING	.28
TOTAL	.43
EXISTING LAND USE (SQ. FT.)	
CHURCH -	091 496,584
SINGLE FAMILY DWELLING -	011 87,120
DAYCARE CENTER (UP TO 75)	027 INCLUDED IN CHURCH SQ. FT.
PROPOSED LAND USE (SQ. FT.)	
CHURCH -	091 467,088
SINGLE FAMILY DWELLING -	011 87,120
DAYCARE CENTER (OVER 75, MAXIMUM OF 99)	027 29,496
BUILDINGS (SQ. FT.)	
EXISTING	
CHURCH BUILDING	102,851 (2 STORIES PLUS BASEMENT)
MULTI-PURPOSE BUILDING	6,265 (1 STORY)
SCOUT HOUSE	648 (1 STORY)
DUPLEX RESIDENCE	1,962 (1 STORY; PARTIAL BASEMENT)
RESIDENCE WEST	1,456 (1 STORY)
RESIDENCE EAST	1,491 (1 STORY)
PROPOSED	
CHURCH BUILDING	102,851 (2 STORIES PLUS BASEMENT)
DAYCARE	8,766 (1 STORY)
SCOUT HOUSE	648 (1 STORY)
DUPLEX RESIDENCE	1,962 (1 STORY PLUS PARTIAL BASEMENT)
RESIDENCE WEST	1,456 (1 STORY)
RESIDENCE EAST	1,491 (1 STORY)
ZONING	
EXISTING	R10
PROPOSED	SP
FALLBACK ZONE	RM2
SIGN REGULATIONS	OR20 CODE SECTION 17.32.110



- SURVEYOR'S NOTES:**
- 1.) All bearings are magnetic.
 - 2.) This property may be subject to easements recorded or unrecorded that may be revealed by a thorough title search not available to this surveyor at the time of this survey.
 - 3.) This property is not in as area known as a flood hazard area according to FEMA Flood Insurance Rate Map 47037C 0334 F, dated April 20, 2001.
 - 4.) Benchmark is a railroad spike in a light pole approximately 73' north-west of the northwest corner of the existing multi-purpose building. The elevation of the spike is 649.55'
 - 5.) Underground utilities are approximate in location only. Call Tennessee One Call before beginning any construction or excavation.

Galyon W. Northcutt
2607 Forest View Drive
Antioch, TN 37013
TN RLS #1529

CERTIFICATE OF ACCURACY:
I hereby certify that this is a category I survey and that the ratio of precision of the unadjusted survey exceeds 1:10,000 as shown hereon.



Scale: 1" = 40'

TOPOGRAPHIC SURVEY for CRIEVE HALL CHURCH OF CHRIST (MDO)		
DRAWN GWN	DATE 10/01/13	Deed Book 5560, Pg. 151 Tax Map 146-04 Par.140 Deed #20060425-0047141
APPROVED GWN	DATE 10/16/13	Tax Map 146-08, Par.160 Nashville, Davidson County, Tennessee
SCALE 1" = 40'	SHEET 1 of 1	PROJECT NO. MDO PROJECT

MAP 145-4
(175)
JOHN VA G. MORGAN
BOOK 3200, PAGE 689



GENERAL DEMOLITION NOTES

1. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY OF NASHVILLE/DAVIDSON COUNTY STANDARD SITE WORK SPECIFICATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS, AS NOTED. SEE SITE WORK SPECIFICATIONS.
3. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
4. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
5. ENGINEER'S NOTICE TO CONTRACTOR: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
6. SITE LAYOUT FOR CRIEVE HALL CHURCH OF CHRIST BY INGRAM CIVIL ENGINEERING GROUP, LLC, BASED ON SITE SURVEY BY GALYON NORTHCUTT ON 10-01-2013. ORIGINAL TOPOGRAPHICAL INFORMATION IS BASED ON A SURVEY BY GALYON NORTHCUTT ON 10-01-2013. THE ENGINEER, THE OWNER, OR ANY OF THE OWNER'S CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
7. ALL NOTED DISTANCES WITH REGARD TO ITEMS TO BE DEMOLISHED ARE APPROXIMATE.

DEMOLITION NOTES

- A TO BE REMOVED
- B TO BE RELOCATED. SEE ELECTRICAL PLANS FOR MORE INFORMATION. COORDINATE WITH NES BEFORE DEMOLITION OF ELECTRIC LINES OR P.O.ES.

LEGEND: DEMOLITION

EXISTING PAVEMENT TO BE SAWCUT & REMOVED

DEMOLITION PLAN



AGENCY REVIEW SET

DATE
01-02-14

SHEET

C100

CREIVE HALL CHURCH OF CHRIST
 NASHVILLE - TENNESSEE



Gileland Associates

ARCHITECTS

509 THIRD

AVENUE SOUTH

P.O. BOX 2416

NASHVILLE

TENNESSEE

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TAX MAP 46-4
 (17)
 JOANNA C MORGAN
 BOOK 5200, AGE 689



GENERAL SITE NOTES

1. SITE LAYOUT FOR CRIEVE HALL CHURCH OF CHRIST BY INGRAM CIVIL ENGINEERING GROUP, LLC, BASED ON SITE SURVEY BY GALYON NORTHCUTT ON 10-01-2013.
2. ORIGINAL TOPOGRAPHICAL INFORMATION IS BASED ON A SURVEY BY GALYON NORTHCUTT ON 10-01-2013. THE ENGINEER, THE OWNER, OR ANY OF THE OWNER'S CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION.
3. ALL CIVIL/SITE WORK ELEMENTS INDICATED TO BE CONSTRUCTED ON THE PLANS ARE TO BE BUILT IN STRICT ACCORDANCE WITH THE STANDARDS ADOPTED BY THE CITY OF NASHVILLE/DAVIDSON COUNTY, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL SITE WORK MUST ALSO COMPLY WITH THE CITY OF NASHVILLE/DAVIDSON COUNTY ENVIRONMENTAL REQUIREMENTS AND FEDERAL EPA REQUIREMENTS.
4. WRITTEN DIMENSIONS PREVAIL. DO NOT SCALE THESE DRAWINGS. PRINTED DIMENSIONS WHICH ARE OMITTED OR IN CONFLICT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR REVIEW AND RESPONSE. DIMENSIONS ARE FROM FACE OF CURB / EDGE OF PAVEMENT AND FACE OF BUILDING, UNLESS NOTED OTHERWISE.
5. DIMENSIONS LOCATING THE BUILDING IN RELATIONSHIP TO THE PROPERTY LINES HAVE BEEN PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. WHERE POSSIBLE, COORDINATES CAN BE USED TO ESTABLISH PHYSICAL LENGTHS ALONG THE BUILDING PERIMETER. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FROM STRUCTURAL AND ARCHITECTURAL DRAWINGS THE ACTUAL EXTENT OF THE BUILDING ON THE PROPERTY. BUILDING LAYOUT SHALL BE BASED SOLELY ON DIMENSIONAL INFORMATION PROVIDED ON STRUCTURAL AND ARCHITECTURAL DRAWINGS. DISCREPANCIES WHICH IMPACT SITE LAYOUT SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL SITE FEATURES, (BUILDINGS, ROADS, PARKING, PADS, WALKS, ETC.) AND WILL EMPLOY A LAND SURVEYOR LICENSED TO PRACTICE IN THE PROJECT'S REGION OF CONSTRUCTION TO STAKE OUT AND MAINTAIN ALL REQUIRED CONTROL POINTS THROUGHOUT THE LIFE OF THE PROJECT. THE SURVEYOR SHALL CERTIFY TO THE ENGINEER, IN WRITING, THAT THE LAYOUT IN THE FIELD SUBSTANTIALLY CONFORMS TO THE LAYOUT INDICATED ON THE CONTRACT DOCUMENTS. LAYOUT DISCREPANCIES OR CHANGES SHOULD BE SO NOTED TO THE ENGINEER.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS, MONUMENTS, HUBS, AND STAKED LOT CORNERS DURING THE CONSTRUCTION OF THE WORK AND SHALL BEAR ANY COST ASSOCIATED WITH REPAIR.
8. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, AND PAY ALL PERMIT FEES. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES AND RECEIVE APPROPRIATE APPROVALS WHERE REQUIRED PRIOR TO COMMENCEMENT OF THE WORK.
9. MATERIALS AND PROCESSES OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. WHILE THE ENGINEER HAS PROVIDED, FOR THE CONVENIENCE OF THE CONTRACTOR, DRAWINGS OUTLINING CERTAIN REQUIRED OSHA MINIMUM SAFETY PRACTICES, THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION OR FOR VERIFYING THAT SUCH MEASURES ARE IMPLEMENTED ON SITE. MAINTAINING A SAFE ENVIRONMENT DURING THE PROMULGATION OF THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR, THE ENGINEER, THE OWNER AND OTHER CONSULTANTS. HAVE NO EXPERTISE, NOR ACCEPT ANY LIABILITY, IMPLIED OR OTHERWISE, FOR MATERIALS AND PROCESSES OF CONSTRUCTION.
10. THE CONTRACTOR SHALL NOT COMMENCE ANY WORK WHICH IS NOT UNDER THE CONTROL OR OWNERSHIP OF THE OWNER WITHOUT WRITTEN PERMISSION FROM THE PROPERTY'S OWNER OR CONTROLLING INTEREST. WHERE CONTROLLING INTEREST IS A LOCAL, STATE, OR FEDERAL AGENCY, THEN APPROVAL FOR CONSTRUCTION SHALL CONSTITUTE AUTHORITY TO COMMENCE WORK.
11. WHERE NOT SPECIFICALLY NOTED OTHERWISE, ALL CONCRETE FINISHES SHALL BE SLIP RESISTANT PER TECHNICAL SPECIFICATIONS.
12. ALL HANDICAP PARKING SPACES, INDICATED WITH THE GRAPHIC HANDICAP SYMBOL, DENOTE HANDICAP PARKING SPACES. THESE SPACES ARE DESIGNED TO CONFORM TO ADA AND CITY OF NASHVILLE ACCESSIBILITY STANDARD SPECIFICATIONS. ALL INDICATED SPACES SHALL RECEIVE THE PAINTED SYMBOL AND APPROPRIATE IDENTIFICATION SIGNAGE. WHERE REQUIREMENTS ARE DIFFERENT OR IN EXCESS OF THESE, THE CONTRACTOR WILL ALLOW FOR THOSE ADDITIONAL REQUIREMENTS IN HIS PRICE AND PROMPTLY SUBMIT THEM TO THE ENGINEER.
13. THE CONTRACTOR IS RESPONSIBLE FOR USING THE ONE-CALL SYSTEM OR OTHER MEANS TO CONTACT AND VERIFY LOCATIONS OF ALL UTILITIES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR REPAIRS TO DAMAGED UTILITIES.
14. THE CONTRACTOR IS TO CONTROL TRAFFIC FLOW DURING TIME OF CONSTRUCTION. ANY AND ALL TRAFFIC CONTROL IMPLEMENTED DURING THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
15. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY MUST BE IN ACCORDANCE WITH CITY OF NASHVILLE/DAVIDSON COUNTY AND TENNESSEE D.O.T. REGULATIONS.

SITE DETAILS

1	CONCRETE SIDEWALK	9	4" CHAIN LINK SINGLE GATE (BLACK PVC COATED)
2	CONCRETE POST CURB	10	4" CHAIN LINK DOUBLE GATE (BLACK PVC COATED)
3	LIGHT DUTY ASPHALT PAVEMENT	11	CONCRETE STEPS WITH HANDRAIL
4	LIGHT DUTY CONCRETE PAVEMENT	12	FAINTED CROSSWALK
5	ACCESSIBLE SYMBOL		
6	WHEEL STOP		
7	ACCESSIBLE SIGN		
8	4' CHAIN LINK FENCE (BLACK PVC COATED)		

LEGEND: SITE

- PROPOSED HC ACCESSIBLE PARKING SPACE (SEE SITE DETAIL)
- LINEAR DIMENSION
- PROPOSED CURVE RADIUS DIMENSION
- PROPOSED SIGN
- PROPOSED PRECAST WHEEL STOP
- PROPOSED STOP BAR (SEE SITE DETAIL)
- PROPOSED CROSS WALK MARKING
- PROPOSED LIGHT DUTY CONCRETE PAVEMENT
- PROPOSED LIGHT DUTY ASPHALT PAVEMENT

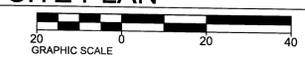
SITE NOTES

- A 293 LF OF SEGMENTAL RETAINING WALL
- B 301 LF OF 4" BLACK PVC COATED CHAIN LINK FENCE
- C 3 STEPS WITH 6" RISE AND 12" TREAD
- D 2 STEPS WITH 6" RISE AND 12" TREAD
- E 1 STEPS WITH 6" RISE AND 12" TREAD
- F 4'X4' CONDENSING UNIT PADS. COORDINATE WITH MECHANICAL PLANS
- G 4' HIGH - 12' LONG ROLLING GATE
- H 1.5' X 13' CONCRETE PAD ADJACENT TO SIDEWALK FOR ROLLING GATE

CURVE TABLE

C1	R: XX'
----	--------

SITE PLAN



Gileland
 associates

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 NASHVILLE
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 37202

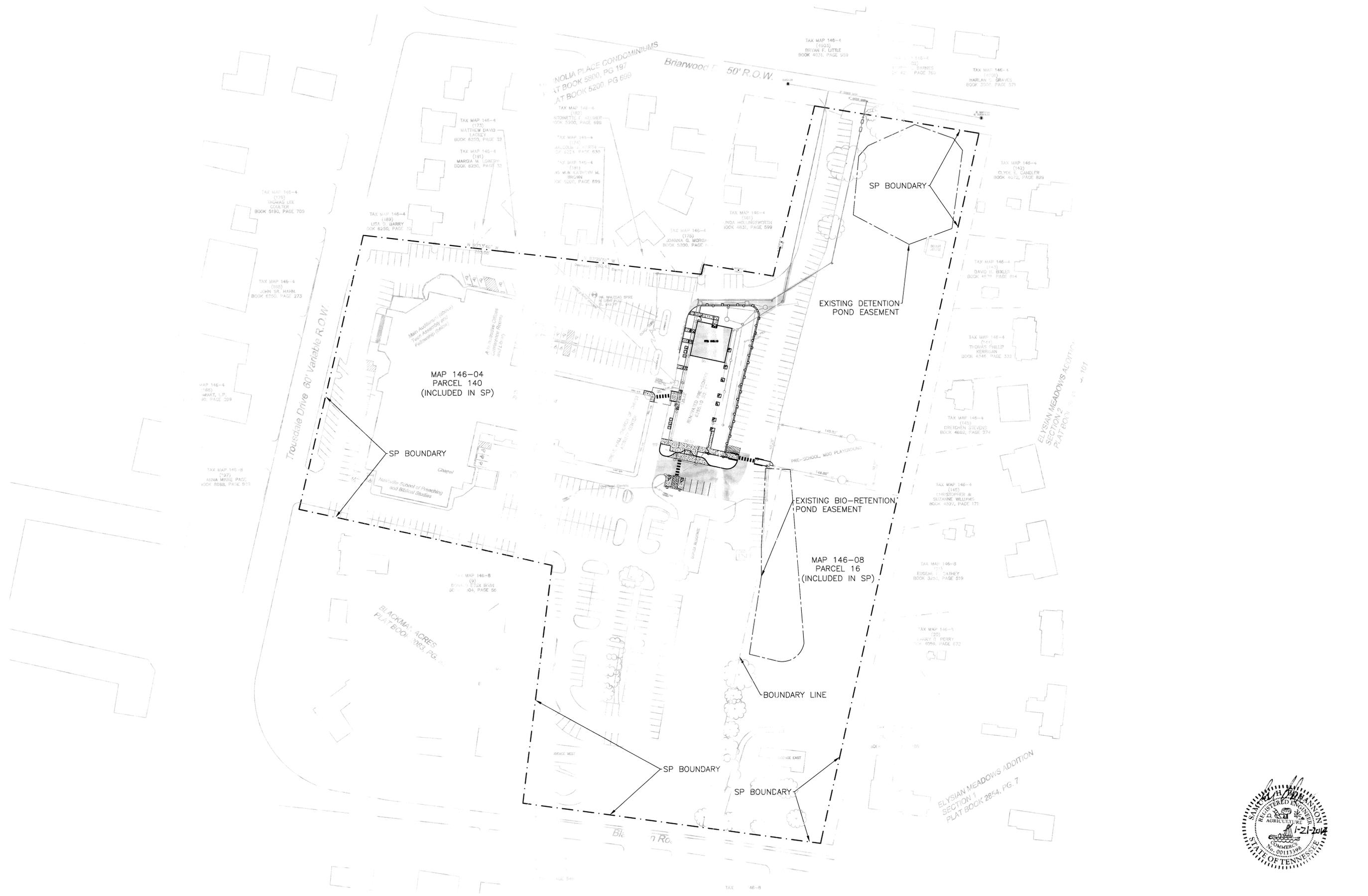
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CREIVE HALL CHURCH OF CHRIST
 NASHVILLE - TENNESSEE

AGENCY REVIEW SET

DATE
 01-02-14

SHEET
C200



SITE PLAN OVERALL



AGENCY REVIEW SET

DATE
01-02-14

SHEET

C201



**Gileland
associates**

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P.O. BOX 24116

NASHVILLE

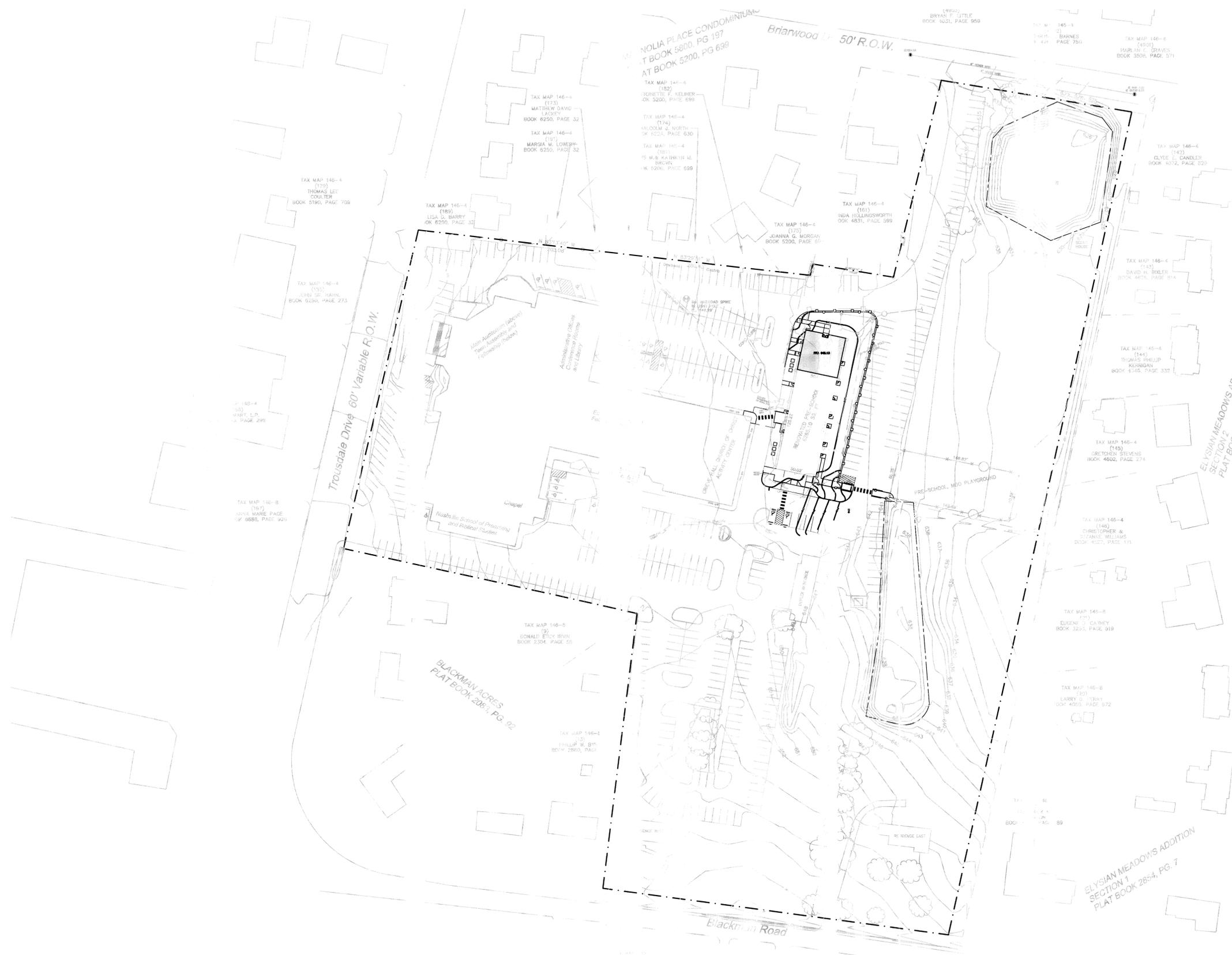
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CREIVE HALL CHURCH OF CHRIST
NASHVILLE - TENNESSEE



GRADING PLAN OVERALL



AGENCY REVIEW SET

DATE
01-02-14

SHEET
C301



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CREVE HALL CHURCH OF CHRIST
NASHVILLE - TENNESSEE

Landscape Notes

- The landscape contractor shall verify the exact location of all utilities and take necessary precautions to prevent damage to these utilities.
- The landscape contractor shall coordinate all construction with the appropriate utility company and shall be responsible for and damage to utilities.
- Plant materials and stumps indicated for removal shall be removed and disposed of site by the contractor. Backfill holes with topsoil free of roots and rocks.
- All planting and mulch beds shall be hand weeded or sprayed with round up (contractor's option) prior to the installation of mulch.
- The landscape contractor shall be responsible for the fine grading of all planting areas.
- The landscape contractor shall verify all material quantities. In the event of a discrepancy, the quantities shown on the plan will take precedence.
- The landscape contractor shall be responsible for completely maintaining the work (including but not limited to: watering, mulching, spraying, fertilizing, etc.) of all planting areas and lawns per project specifications until total acceptance of the work by the owner.
- The standards set forth in "American Standard for Nursery Stock" represent general guideline specifications only and will constitute minimum quality requirements for plant material. All plants must meet minimum size noted at the materials schedule. Trees shall be No. 1 grade specimen and shrubs shall be heavy well shaped specimens as well.
- The landscape contractor shall completely guarantee all work for a period of one year beginning at the date of acceptance. The landscape contractor shall make all replacements material. All plants must meet minimum size noted at the materials schedule. Trees shall be No. 1 grade specimen and shrubs shall be heavy well shaped specimens as well.
- The landscape contractor shall provide the owner with written instructions on the proper care of all specified plant materials prior to final payment.
- Existing trees to remain shall be protected from construction damage. Selectively prune dead wood.
- All disturbed areas shall be planted with turf as indicated on the materials schedule.
- All deciduous trees, existing and proposed shall be pruned to provide a minimum clear trunk unless otherwise noted.
- ATTENTION OWNER/INSTALLER:**
This landscape plan has been designed to meet the minimum requirements of the City zoning ordinance, the approval of the planning commission, and planning department policy. Relocating, substituting, missing, reducing or deleting material may cause the site to no longer conform to the requirements; Thus problems may arise with releasing the performance/maintenance bond for landscaping. **Deviation from the approved landscape plan shall not be made without first consulting Heibert & Associates and obtaining approval from the city.**

TREE SPECIFICATIONS

- NOTE: ALL TREES SHALL HAVE THE FOLLOWING CHARACTERISTICS:**
- Deciduous trees shall have one dominant single straight trunk with the top of the leader on the main trunk left intact and the terminal bud on the central leader is at the highest point on the tree.
 - Trees with forked trunks are acceptable if all the following conditions are met:
 - The fork occurs in the upper 1/3 of the tree.
 - One fork is less than 2/3 the diameter of the dominant fork.
 - The top 1/3 of the smaller fork is removed at the time of planting.
 - No branch is greater than 2/3 the diameter of the trunk directly above the branch.
 - The trunk and/or major branches shall not touch.
 - Branching habit is more horizontal than vertical, and no branches are oriented nearly vertical to the trunk.
 - Branches are evenly distributed around the trunk with no more than one major branch located directly above another and the crown is full of foliage evenly distributed around the tree.
 - Crown spread shall look proportional to the tree.
 - No flush cuts or open trunk wounds or other bark injury.
 - Root ball meets all ANSI standards and is appropriately sized.
- DEFICIENCIES NOT ACCEPTED:**
- Tip dieback on 5% of branches
 - Crown thinning/missing foliage
 - Included bark
 - Major Branches touching
 - Asymmetrical branching
- Substitution Note:**
- Requirements shown are as per City of Murfreesboro, Tennessee Zoning Ordinance.
 - Substitutions are not allowed unless approved by Heibert and Associates.
 - After installation, the landscape will be maintained by the owner.
 - Additional screening may be required if the inspection for the release of the performance bond reveals that the screening is not effective.

CALCULATIONS WORKSHEET FOR TREE DENSITY REQUIREMENTS

AREA OF LOT: 0.54 ACRES
 BUILDING COVERAGE: - 0.40 ACRES
 AREA OF REQUIRED COMPLIANCE: 0.14 ACRES
 x 14.0
REQUIRED TREE DENSITY UNITS: 1.95

PROPOSED NEW TREES:
 2" Cal @ 0.5 4 x 0.5 = 2.0
CREDIT FOR NEW TREES: 2.0
PROVIDED TREE DENSITY UNITS: 2.0

PLANT SCHEDULE

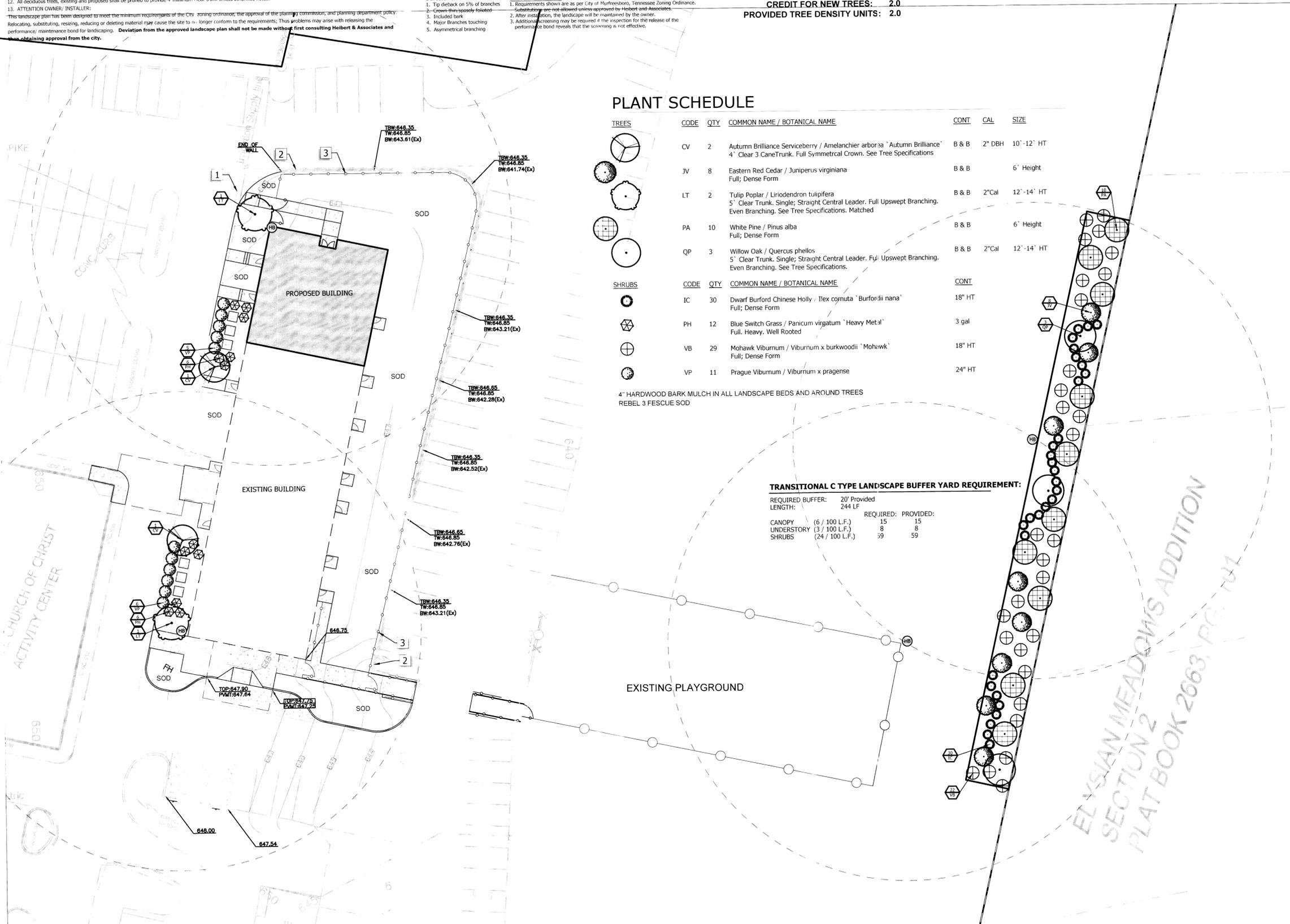
TREES	CODE	QTY	COMMON NAME / BOTANICAL NAME	CONT	CAL	SIZE
	CV	2	Autumn Brilliance Serviceberry / Amelanchier arborosa 'Autumn Brilliance' 4" Clear 3 Cane Trunk. Full Symmetrical Crown. See Tree Specifications	B & B	2" DBH	10'-12' HT
	JV	8	Eastern Red Cedar / Juniperus virginiana Full; Dense Form	B & B		6' Height
	LT	2	Tulip Poplar / Liriodendron tulipifera 5" Clear Trunk, Single; Straight Central Leader, Full Upswept Branching. Even Branching. See Tree Specifications. Matched	B & B	2" Cal	12'-14' HT
	PA	10	White Pine / Pinus alba Full; Dense Form	B & B		6' Height
	QP	3	Willow Oak / Quercus phellos 5" Clear Trunk, Single; Straight Central Leader, Full Upswept Branching. Even Branching. See Tree Specifications.	B & B	2" Cal	12'-14' HT
SHRUBS	CODE	QTY	COMMON NAME / BOTANICAL NAME	CONT		
	IC	30	Dwarf Burford Chinese Holly / Ilex cornuta 'Burfordii nana' Full; Dense Form			18" HT
	PH	12	Blue Switch Grass / Panicum virgatum 'Heavy Metal' Full, Heavy, Well Rooted			3 gal
	VB	29	Mohawk Viburnum / Viburnum x burkwoodii 'Mohawk' Full; Dense Form			18" HT
	VP	11	Prague Viburnum / Viburnum x pragense			24" HT

4" HARDWOOD BARK MULCH IN ALL LANDSCAPE BEDS AND AROUND TREES
 REBEL 3 FESCUE SOD

TRANSITIONAL C TYPE LANDSCAPE BUFFER YARD REQUIREMENT:

REQUIRED BUFFER: 20' Provided
 LENGTH: 244 LF

	REQUIRED:	PROVIDED:
CANOPY (6 / 100 L.F.)	15	15
UNDERSTORY (3 / 100 L.F.)	8	8
SHRUBS (24 / 100 L.F.)	59	59



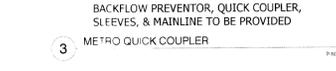
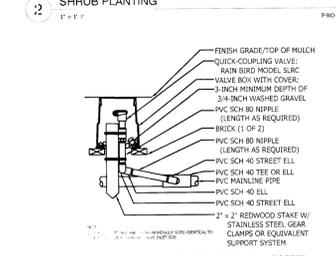
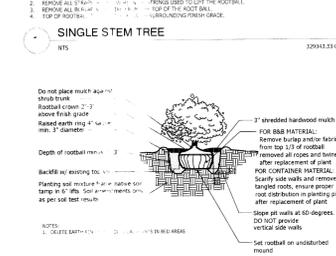
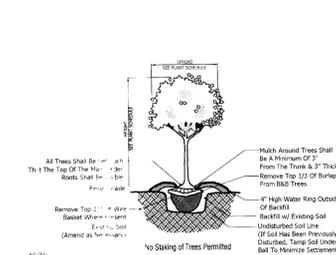
TO AVOID OVERHEAD UTILITY CONFLICTS:
 In the event proposed canopy trees are in conflict (within 25') with proposed or existing overhead utility locations, the landscape contractor shall stop work and contact Heibert and Associates immediately for coordination and field adjustment.

TO AVOID OVERHEAD LIGHT POLE CONFLICTS:
 In the event proposed canopy trees are in conflict (within 15') with proposed or existing light pole locations, the landscape contractor shall stop work and contact Heibert and Associates immediately for coordination and field adjustment.

UTILITY SCREEN
 All utility structures, transformers, meters, and/or units shall be screened with plant material in enough to provide an effective screen. Structures not shown on landscape plans will be required to be screened by the owner. If utilities are added to the site, contact Heibert and Associates for screening recommendations.

PLANT STANDARDS
 The standards set forth in "American Standard for Nursery Stock" represent general guideline specifications only and will constitute minimum quality requirements for plant material. All plants must meet minimum size noted at the materials schedule. And meet the characteristics stated in this drawing. All material installed on the site MUST meet or exceed these specifications. Any trees or shrubs not meeting these standards can be rejected at time of inspection.

PLANT MATERIAL SUBSTITUTIONS:
 ALL SUBSTITUTIONS REQUESTED MUST BE SUBMITTED TO HEIBERT & ASSOCIATES AND APPROVED BY HIM AND BY THE CITY OF MURFREESBORO URBAN ENVIRONMENTAL DEPARTMENT PRIOR TO MAKING ANY CHANGES TO THE APPROVED LANDSCAPE PLAN. ANY CHANGES NOT APPROVED CAN BE REJECTED AT SITE INSPECTION.



Heibert & Associates, LLC
 Site Planning • Landscape Architecture

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CREIVE HALL CHURCH OF CHRIST
 NASHVILLE - TENNESSEE

DATE: 11-15-18 BY: WBH

SHEET LANDSCAPE PLAN L10