General Notes

- 1. The purpose of this SP amendment is to increase number of multi-family resdential units to 48, increase height to 4 stories, aned make other minor changes to the approved SP (BL2016-404)
- This Property Is Not Included In An Area Designated "Special Flood Hazard" On The Federal Emergency Management Agency Flood Maps Available To Me At This Time. Community Map: 47037C0239 F Panel 239, Effective Date: April 21,
- The Utilities Shown Hereon Are Based On Field Observations And Information Obtained For The Utility District. Prior To Any Excavation The Exact Location Of The Underground Utilities
- The contractor's work to be performed under this project will consist of furnishing all equipment, labor, materials, tools and supervision necessary for the construction of the proposed Apartment Complex and other related work as listed in the plans and specifications.
- The contractor shall verify <u>all</u> dimensions, utility locations, elevations, existing inverts prior to ordering any material. if a discrepancy is found, the contractor shall notify the engineer or representative immediately.
- All work shall comply with all local, state and federal codes and laws. all necessary licenses and permits <u>not</u> obtained by the owner shall be the
- All materials shall be new unless used or salvaged materials are authorized by 10. Quantity and location of transformers to be determined by the NES Engineer
- The concrete shall have a 3000 psi minimum compressive strength in 28 days. Maximum slump shall be 4 inches, unless noted otherwise.
- 9. All site concrete shall be finished with a fine hair broom.
- 10. All work performed shall be in the best recognized trade practices and to the entire satisfaction of the owner.
- 11. All handicap ramp curb shall be painted yellow in transition areas.

Stormwater

- Any excavation, fill, or disturbance of the existing ground elevation must be done in accordance with storm water management ordinance No. 78-840 and approved The Metropolitan department of Water Services.
- The Buffer along waterways will be an area where the surface is left in a natural state and is not disturbed by construction activity. This is in accordance with the Stormwater Management Manual Volume 1 - Regulations.
- Drawings are for illustration purposes to indicate the basic premise of the development as it pertains to Stormwater approval/comments only. The final lot count and details of the plan shall be governed by the appropriate stormwater regulations at the time of approval of final application.
- Metro Water Services shall be provided sufficient and unencumbered access in order to maintain and repair utilities in this site.
- Size driveway culverts per the design criteria set forth by the Metro Stormwater Management Manual. Minimum driveway culvert in Metro ROW is
- By graphic plotting only, this property is in Zone(s) "X" of the Flood Insurance Rate Map Community Panel No. 47037C0264H which bears an effective revised date of April 5, 2017. No field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency
- The Utilities Shown Hereon Are Based On Field Observations And Information Obtained For The Utility District. Prior To Any Excavation The Exact Location Of The Underground Utilities Should Be Determined. Tennessee One-call

Nashville Electric Service

- 1. NES riser pole should be installed on development property
- 2. If underground power is to run through the ingress/egress/water line easement, it will need to be PUDE.
- 3. NES need to know how the property will be platted.
- 4. If it becomes necessary to cross an adjacent piece of property in order to serve this development, the owner will be responsible for acquiring easement
- 5. NES can meet with developer upon request to determine service options.
- 6. Developer drawing shall show any existing utilities easements on property, the utility poles on the property and the poles along ROW.
- 7. Postal plan is required before NES's final construction drawings can be
- 8. NES needs any drawings that will cover any road improvements.
- 9. Nes follows the National Fire Protection Association rules; Refer to NFPA 70 article 450-27; and NESC Section 15-152.A2 for complete rules (see NES Construction Guidelines under "Builders and Contractors" tab @
- after receiving final plans and electrical load information. An Exhibit 'B' design will be sent to the developer or representatives of the developer for review. Suggestions or requests to the design should be made during this review process. Any changes requiring re-design, after this document has been signed, will be at the developer's expense
- 11. Developer,s vegetation design shall meet both Metro requirements and NES Vegetation Management requirements/clearances.
- 12. NES facilities will not be allowed to sit in or to pass through retention areas including rain gardens, bio-retiontion, bio swales and the like. This includes primary duct between pad-mounted equipment, as well as service duct to a meter or meter center.
- 13. NES needs electrical load information on the apartments including any three phase power requirements, house services, trash compactors, irrigation or the

NDOT (Nashville Department of Transprotation)

Graphic Intersection Sight Distance's

Scale: Horiz. 1"=50' Vert. 1"=5'

1. This development will require NDOT approval of detailed construction plans prior to grading the site. Plans must comply with the design regulations established by the Department of NDOT in effect at the time of approval of the preliminary development plan or final development plan or final development plan or building permit, as applicable. Final design and improvements may vary based on actual field conditions.

A New Multiple Family Home Complex

Apartment Concept

SP Amendment 1636 Lebanon Pike Nashville, Tennessee Davidson County

PARCEL NUMBERS 09400005000 AND 09400004900

MURRAY D. SHANKLIN P.E. DESIGNER

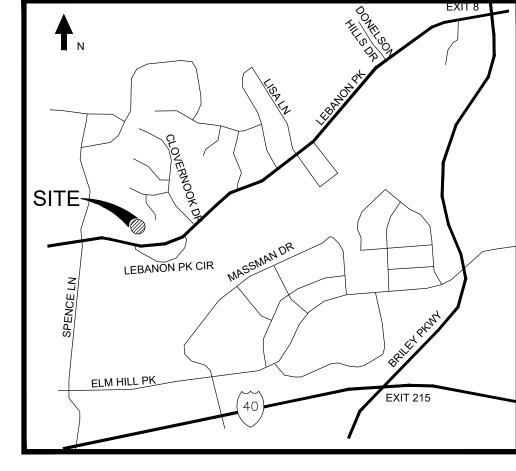
P.O.BOX 9 PORTLAND, TN 37148 Ph. 615 512-2911

ROBERT L. BERNARD OWNER

334 RAYMOND HODGES ROAD COTTONTOWN, TN 37048 Case Number: 2016SP-29-002 Ph. 615 521-2335

Development Summary: COUNCIL DISTRICT NO. 15 COUNCIL PERSON: JEFF SYRACUE Case Number: 2016SP-29-002 Grading Permit Number: 2018020023

September 6, 2016						
Introduced:	September 6, 2016					
Passed First Reading:	September 6, 2016					
Referred to:	Planning Commission — Approved with conditions and disapproved without all conditions (6—0) Planning, Zoning, & Historical Committee					
Public Hearing Scheduled For:	October 4, 2016					
Passed Second Reading:	October 4,2016					
Passed Third Reading:	October 18, 2016					
Approved:	October 19, 2016					
Ву:						
Effective:	October 21, 2016					



Vicinity Map

INDEX OF DRAWINGS

SHEET	DESCRIPTION
T1.0	TITLE SHEET
C1.0	EXISTING SITE LAYOUT
<i>C2.0</i>	SITE LAYOUT PLAN
<i>C3.0</i>	GRADING PLAN
C4.0	INITIAL EPSC PLAN
C5.0	PHASE 2 EPSC PLAN
<i>C6.0</i>	FINAL EPSC PLAN
<i>C7.0</i>	EPSC DETAILS
<i>C8.0</i>	UTILITY PLAN
<i>C9.0</i>	BIO-RETENTION DETAILS
C10.0	STANDARD SITE DETAILS
C11.0	STANDARD SITE DETAILS
C12.0	METRO STANDARD DETAIL
C130	RETAINING WALL DETAILS



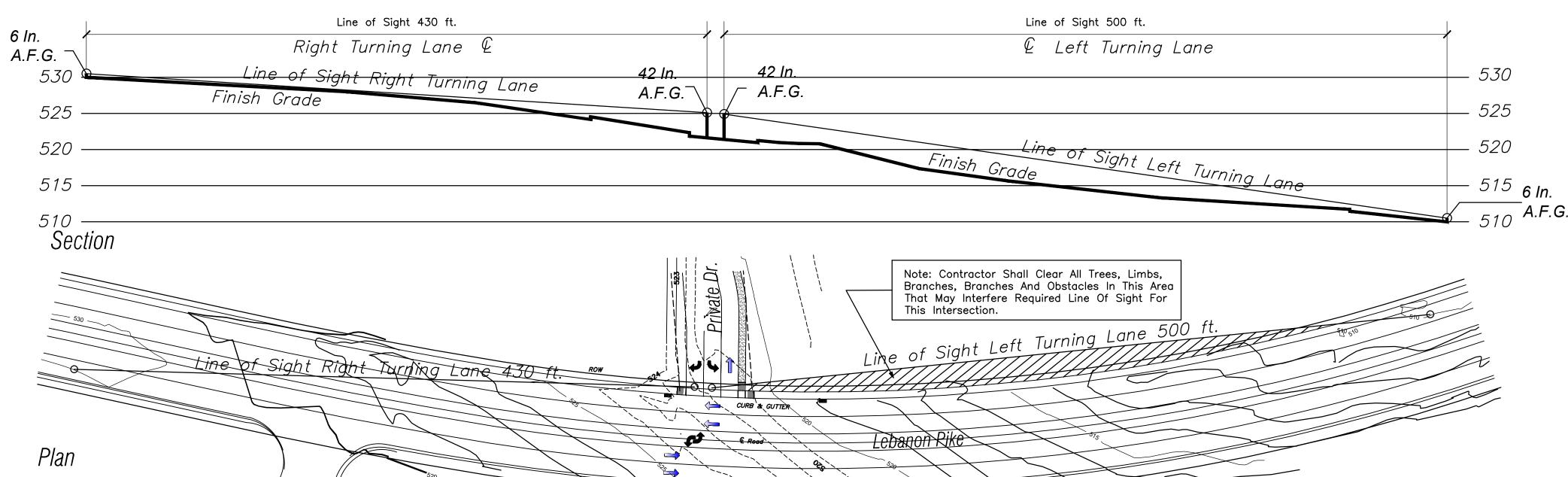
Drawn	MDS
Checked By	MDS
Project No.	
-	BERT BERARD
Oate	03/20/2023

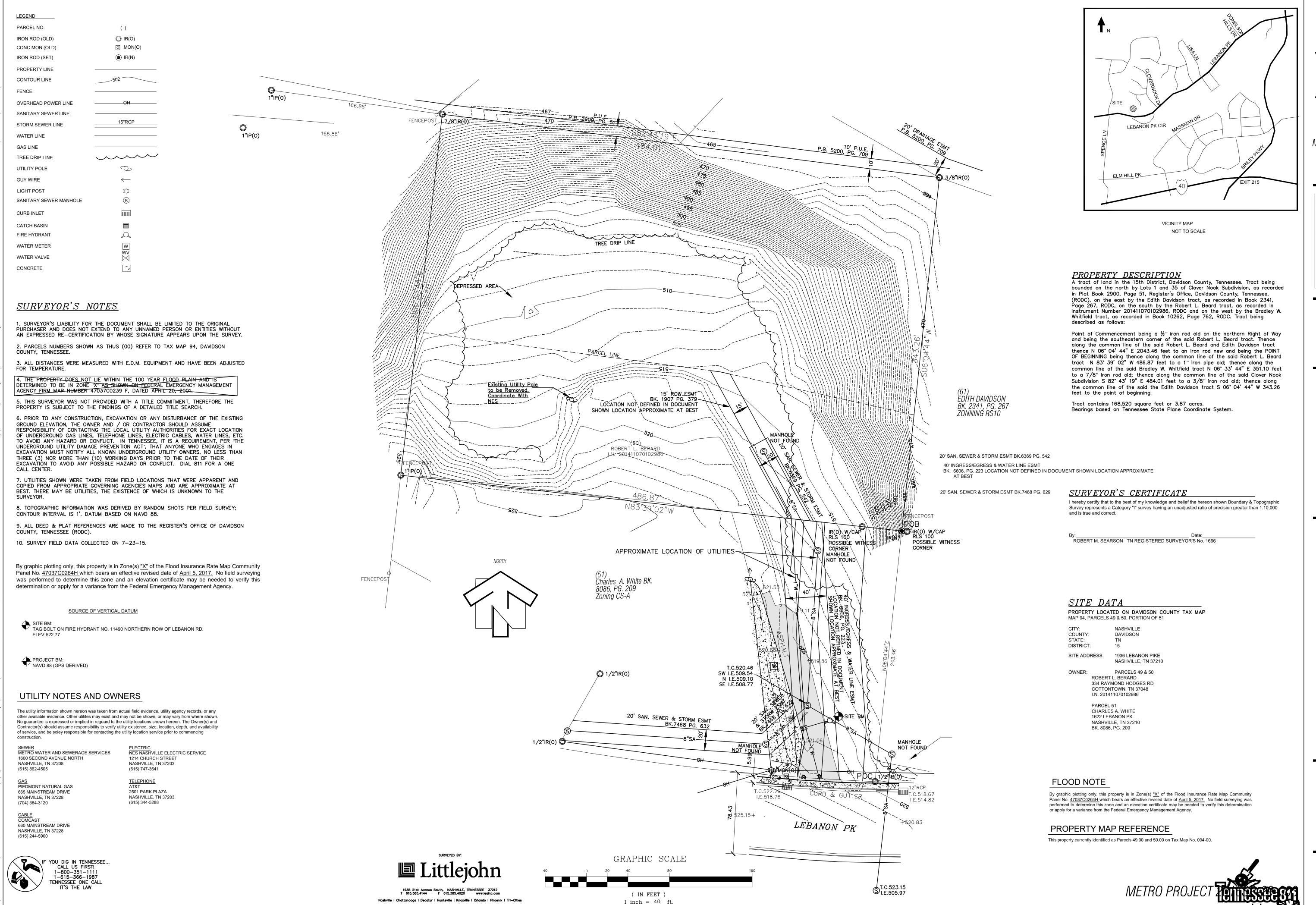
Revised 07/15/2019 Revised 08/03/2020 Revised 02/22/2023

KETAINING WALL DETAILS

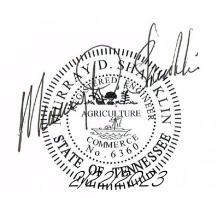
A New Multiply Family Home (Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000 c TITLE SHEET

METRO PROJECT 2016SP-29-003





MURRAY D. SHANKLIN, PE
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Drawn MDS

Checked By MDS

roject No. 16 ROBERT BERARD ate 07/15/2019

> Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019 Revised 07/15/2019 Revised 08/03/2020

> > e 05000 and 09400004900

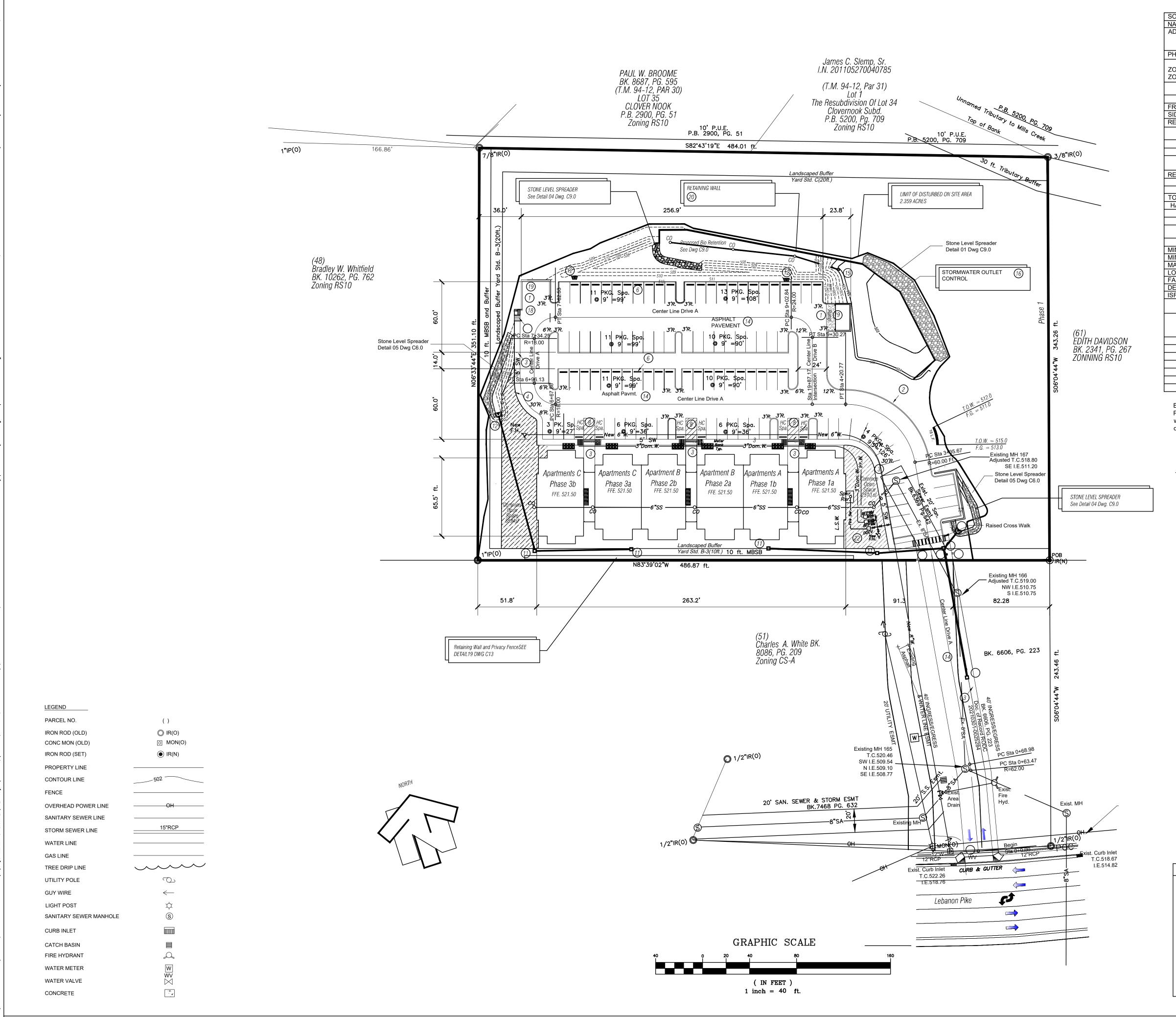
A New Multiply Family Home Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee

SHEET TITLE:

Existing Site Layout

SHEET NO.

C1.0



Site Layout Plan

SITE DATA TABLE

	SHE	<u>DA I</u>	<u>A</u>	IABLE	•				
SOURCE OF INFORMATION: Metro Nashville Planning Department									
NAME OF CONTACT: Executive Director									
ADDRESS: 800 2nd Avenue South									
P.O. Box 196300									
	Nashville, TN 37219-6300								
PHONE: (615) 862-7150 FAX	PHONE: (615) 862-7150 FAX: (615) 862-7130 WEBSITE: www.nashville.gov/mpc								
ZONING DISTRICT(S): SP (Fall Back Zoning RM15-A) ZONING DEFINITION: Specific Plan District									
	Buildin	ig Setba	ick R	equirements					
	Observ	ed		Required	Notes	;			
FRONT YARD SETBACK	75'			69'	(U6) Stre	et .			
SIDE YARD SETBACK	_			0'	Classifica				
REAR YARD SETBACK	91'			20'					
	Buildin	ıg Heigh	nt Red	quirements					
APARTMENTS	Maximu	m Eve I	Heigh	nt 43 ft.	4 Stor	ies.			
Maximum Overall Height 55 ft.									
		Parking	Tabı	ulation					
REGULAR SPACES	Observe	ed		Required	Notes				
2 BEDROOM APTS.	65			64		2 B.R. APT.			
3 BEDROOM APTS.	40			40	2.5 PER	3 B.R. APT.			
TOTAL PARKING SPACES	105			104					
HANDICAP PARKING: INC	LUDED IN TI	HE TOT	AL P	ARKING 6 F	<u>IC SPACES</u>	ARE PROVI	DED		
		Bulk Re							
	Observ			Required	Notes	1			
MINIMUM LOT AREA	168,520 S			NONE					
MINIMUM LOT WIDTH	PER SF			PER SP					
MAXIMUM HEIGHT	PER SF			PER SP					
LOT AREA	3.87 ac			3.87 ac.	_				
FAR	41.11%		- 6	0% MAX.					
DENSITY UNITS/ACRE 12.37									
ION	ISR 36.97% 90% MAX.								
Building Data									
	BUIDING CONSTRUCTION PHASE								
	1a	1b		2a	2b	3a	3a		
	NO. UNITS	NO. UI	NITS	NO. UNITS	NO. UNITS	NO. UNITS	NO. UNITS		
2 BEDROOM APTS.		8		8	8	8			
3 BEDROOM APTS.	8	<u> </u>					8		
TOTAL NUMBER APART	MEN I UNIT	S					48		
				0.405:					
DUIL DING FOOTBON'S	NDE A			G AREA					
BUILDING FOOTPRINT A		17,314							
BUILDING AREA TOTAL	4 FLOORS:	69,256	5F						

By graphic plotting only, this property is in Zone(s) "X" of the Flood Insurance Rate Map Community Panel No. 47037C0264H which bears an effective revised date of April 5, 2017. No field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

○ KEY NOTES ○

1 - TYP. CONCRETE RAMP 2 - TYPICAL CURB DETAIL 3 - CONC. WALK W/ TURNDOWN 4 - CONC. WALK W/HANDRAIL 5 - METAL HANDRAIL 6 - CONCRETE WHEEL STOP 7 - DRIVEWAY ENTRANCE DETAILS 8 - SITE HANDICAP DETAILS 8 - SITE HANDICAP DETAILS 9 - JUNCTION BOX 10 - CURB DRAIN 11 - AREA DRAIN 12 - CONCRETE HEADWALL (PRECASTED) 13 - CONCRETE HEADWALL (PRECASTED) 14 - PAVEMENT SECTION DETAIL 15 - OUTLET PIPE PROTECTION 16 - STORMWATER OUTLET CONTROL 17 - ROOF DRAIN WITH CLEAN OUT DETAIL 18 - DETECTABLE WARNING SURFACE 19 - DUMPSTER STORAGE AREA PLAN 20 - RETAINING WALL 21 - GROUND MOUNTED ELECTRICAL TRANSFOR. 25 E DETAIL 01, SHT C10.0 26 DETAIL 19, SHT C10.0 27 DETAIL 19, SHT C10.0 28 DETAIL 14, SHT C10.0 39 DETAIL 15, SHT C10.0 30 DETAIL 16, SHT C10.0 30 DETAIL 17, SHT C10.0 31 DETECTABLE WARNING SURFACE 31 DETAIL 17, SHT C10.0 31 DETECTABLE WARNING SURFACE 32 DETAIL 19, SHT C10.0 31 DETECTABLE WARNING SURFACE 32 DETAIL 01, SHT C9.0 31 DETAIL 01, SHT C9.0			
	1 - TYP. CONCRETE RAMP 2 - TYPICAL CURB DETAIL 3 - CONC. WALK W/ TURNDOWN 4 - CONC. WALK W/HANDRAIL 5 - METAL HANDRAIL 6 - CONCRETE WHEEL STOP 7 - DRIVEWAY ENTRANCE DETAILS 8 - SITE HANDICAP DETAILS 9 - JUNCTION BOX 10 - CURB DRAIN 11 - AREA DRAIN 12 - CONCRETE HEADWALL (PRECASTED) 13 - CONCRETE DITCH SECTION 14 - PAVEMENT SECTION DETAIL 15 - OUTLET PIPE PROTECTION 16 - STORMWATER OUTLET CONTROL 17 - ROOF DRAIN WITH CLEAN OUT DETAIL 18 - DETECTABLE WARNING SURFACE 19 - DUMPSTER STORAGE AREA PLAN 20 - RETAINING WALL 21 - RETAINING WALL 22 - GROUND MOUNTED ELECTRICAL TRANSFOR. 23 - GATE POST (PROVIDE KNOX BOX AS APPROVED	SEE DETAIL 01, SEE DETAIL 02, SEE DETAIL 03, SEE DETAIL 04, SEE DETAIL 05, SEE DETAIL 06, SEE DETAIL 01, SEE DETAIL 09, SEE DETAIL 10, SEE DETAIL 11, SEE DETAIL 12, SEE DETAIL 13, SEE DETAIL 14, SEE DETAIL 15, SEE DETAIL 17, SEE DETAIL 17, SEE DETAIL 17, SEE DETAIL 17, SEE DETAIL 19, SEE DETAIL 01, INSTALLED BY NE SEE DETAIL 01,	C10.0 C10.0

THE UTILITIES SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS AND INFORMATION OBTAINED FOR THE UTILITY DISTRICT. PRIOR TO ANY EXCAVATION THE EXACT LOCATION OF THE UNDERGROUND UTILITIES SHOULD BE DETERMINED. TENNESSEE ONE—CALL 1—800—351—1111.



IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE, THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

CONSTRUCTION SCHEDULE

	JUN	JUL	AUG	SEP	ОСТ	NOV
TEMPORARY SEDEMENT STRUCTURES	}					
SEDIMENT BASIN	\ \ _	; >				
DIVERSION DITCHES	\ <u>{</u>	 				
TEMPORARY VEGETATION		₹ ₩	,			
CLEARING AND GRUBBING		₩		₹ □\$		
TOP SOIL STRIPPING AND STORAGE		\ \ _	⇒			
BUILDING PAD AND DRIVEWAY BASE		\				
INTERMIDIATE AND PERMANT VEGETATION						\

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Checked By MDS	Drawn	MDS
	Checked By	MDS

16 ROBERT BERARD

07/15/2019

Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019 Revised 07/15/2019 Revised 08/03/2020 Revised 10/02/2020 Revised 01/03/2023

A New Multiply Family Home Complex

Apartment Comcept
1636 Lebanon Pike
Nashville, Tennessee
Parcel No. 09400005000 and 09400004900

SHEET TITLE:

Site Layout Plan

SHEET NO.

C2.0

SITE LAYOUT NOTES

TOPOGRAPHICAL INFORMATION SHOWN HEREON WAS PROVIDED BY LITTLEJOHN, 1935 21ST AVENUE SOUTH, NASHVILLE, TENNESSEE. 615-385-4144.

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE(S) "X" OF THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 47037C0264H WHICH BEARS AN EFFECTIVE REVISED DATE OF APRIL 5, 2017. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

THE UTILITY INFORMATION SHOWN HEREON WAS TAKEN FROM ACTUAL FIELD EVIDENCE, UTILITY AGENCY RECORDS, OR ANY OTHER AVAILABLE EVIDENCE. OTHER UTILITES MAY EXIST AND MAY NOT BE SHOWN, OR MAY VARY FROM WHERE SHOWN. NO GUARANTEE IS EXPRESSED OR IMPLIED IN REGUARD TO THE UTILITY LOCATIONS SHOWN HEREON. THE OWNER(S) AND CONTRACTOR(S) SHOULD ASSUME RESPONSIBILITY TO VERIFY UTILITY EXISTENCE, SIZE, LOCATION, DEPTH, AND AVAILABILITY OF SERVICE, AND BE SOLEY RESPONSIBLE FOR CONTACTING THE UTILITY LOCATION SERVICE PRIOR TO COMMENCING CONSTRUCTION.

PRIOR TO CONSTRUCTION, EXCAVATION,
OR DISTURBANCE OF THE EXISTING GROUND ELEVATION,
THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY
AND EXPENSE OF CONTACTING THE LOCAL UTILITY OWNERS
AND DEFINITIVELY ESTABLISHING THE EXISTANCE,
EXACT LOCATIONS AND SIZES OF UNDERGROUND UTILITIES
TO AVOID ANY HAZARD OR CONFLICT.

TENNESSEE LAW REQUIRES NO LESS THAN THREE NOR MORE THAN TEN WORKING DAYS NOTICE TO UNDERGROUND UTILITY OWNERS PRIOR TO INTENT TO EXCAVATE. A LIST OF THESE UTILITIES MAY BE OBTAINED FROM EACH COUNTY'S REGISTER OF DEEDS. THOSE UTILITIES THAT PARTICIPATE IN THE TN. ONE-CALL SYSTEM CAN BE NOTIFIED AT 1-800-351-1111.

CONTRACTOR IS TO PROTECT UTILITIES THAT ARE TO REMAIN AND ALL EXISTING IMPROVEMENTS INCLUDING BUT NOT LIMITED TO STRUCTURES, PAVEMENT, RAMPS, TREES, SIDEWALKS, CULVERTS, ETC. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING IMPROVEMENTS AND UTILITIES TO REMAIN ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR IS TO COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY AUTHORITIES.

THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE DEMOLITION OR CONSTRUCTION.

ALL FEES, LICENSES, AND PERMITS NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT ARE TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE INITIATION OF CONSTRUCTION AND THE COST OF SAME TO BE BORNE BY THE CONTRACTOR.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS
BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES
SHALL BE RESOLVED PRIOR TO CONSTRUCTION.

IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO CONTACT THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL ACCESSIBLE ROUTES SHALL COMPLY WITH ADA GUIDELINES.

EXISTING AND PROPOSED CONTOURS SHOWN ARE AT 1 FOOT INTERVALS. SPOT ELEVATIONS ARE SHOWN IN CRITICAL AREAS. ALL GRADES SHOWN ARE FINISHED GRADES. THE CONTRACTOR SHALL INSURE POSITIVE DRAINAGE. NO STANDING WATER SHALL OCCUR ANYWHERE ON THE SITE.

THE CONTRACTOR SHALL PROVIDE A ROCK EXCAVATION PRICE IN THE CASE ROCK IS ENCOUNTERED ON THE SITE.

As Built Note

In accordance with the Metro Stormwater Management Manual, Volume Section 3.9, As—Built Certification, MWS Stormwater Division must approve the following as builts prior to issuance of the Use & Occupancy Permit:

- Underground detention and water quality infrastructure
 Above ground detention and water quality infrastructure
- Public storm sewer infrastructure
- Cut and fill in the floodplainSink hole alterations

The Engineer shall contact Stormwater Development Review staff for submittal requirements

BK. 8687, PG. 595 (T.M. 94-12, PAR 30) (T.M. 94-12, Par 31) Lot 1 CLOVER NOOK The Resubdivision Of Lot 34 P.B. 2900, PG. 51 Clovernook Subd. Zoning RS10 P.B. 5200, Pg. 709 Zoning RS10 IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. THE LOCATION OF ROCK FILTER RETAINING WALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE, THEREFORE CERTIFICATION TO THE See Detail 04 Dwg C9.0 See Detail 01 Dwg C3.0 LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD. roforated PVC Underdrain See Detail 05 Dwg C9.0 ---467-- 10\ P.U.F. ----P.B. 2900, PG 51 10'/P.U.E. P.B. 5200, PG. 709 _\$82743'19"E _484.01 ft. 1"IP(0) LIMIT OF DISTURBED ON SITE AREA 2.359 ACRES Bradley W. Whitfield BK. 10262, PG. 762 Zoning RS10 Detail 02 Dwg C9.0 CONTROL See Detail 01 Dwg C9.0 STONE LEVEL SPREADER SEE DETAIL 04 DWG C9.0 ÈDÍTH DAVIDSON BK. 2341, PG. 267 ZONNING RS10 RETAINING WALL NATURAL LIMESTONE BOLDERS FROM ON SITE See Detail 16 Dwg C10.0 Existing MH-167 STONE LEVEL SPREADER SEE DETAIL 06 DWG C9.0 Apartment B__ Apartments A Apartments A Apartments C Apartment Phase 2a Phase 1b-_--Phase 1a Phase 3a // Phase/2b Phase 3b .- FFE. 521.50 -- FFE. 521.50 N83°39'02"W 486.87 ft. LIMIT OF DISTURBANCE OFF SITE LIMIT OF DISTURBANCE OFF SITE (51) Charles A. White BK. 8086, PG. 209 Zoning CS-A Retaining Wall and Privacy FenceSEE DETAIL19 DWG C13 LEGEND PARCEL NO. () IR(0) IRON ROD (OLD) O MON(O) CONC MON (OLD) IRON ROD (SET) PROPERTY LINE Ex. MH 165 -CONTOUR LINE \bigcirc 1/2"IR(0) **FENCE** (151) JAN B. TODD, TRUSTEE I.N. 201204170032756 OVERHEAD POWER LINE SANITARY SEWER LINE STORM SEWER LINE 20' SAN. SEWER & STORM ESMT BK.7468 PG. 632 WATER LINE GAS LINE TREE DRIP LINE UTILITY POLE **GUY WIRE** SANITARY SEWER MANHOLE **CURB INLET CATCH BASIN** FIRE HYDRANT WATER METER WATER VALVE 4. GRAPHIC SCALE CONCRETE (IN FEET) 1 inch = 40 ft.

PAUL W. BROOME

James C. Slemp, Sr. I.N. 201105270040785

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mdshanklin@bellsouth.net



Drawn MDS

Checked By MDS

Project No.

07/15/2019

Revised 03/08/2019 Revised 07/15/2019

A New Multiply Family Home Complex Apartment Comcept

Apartr 1636 16

SHEET TITLE:

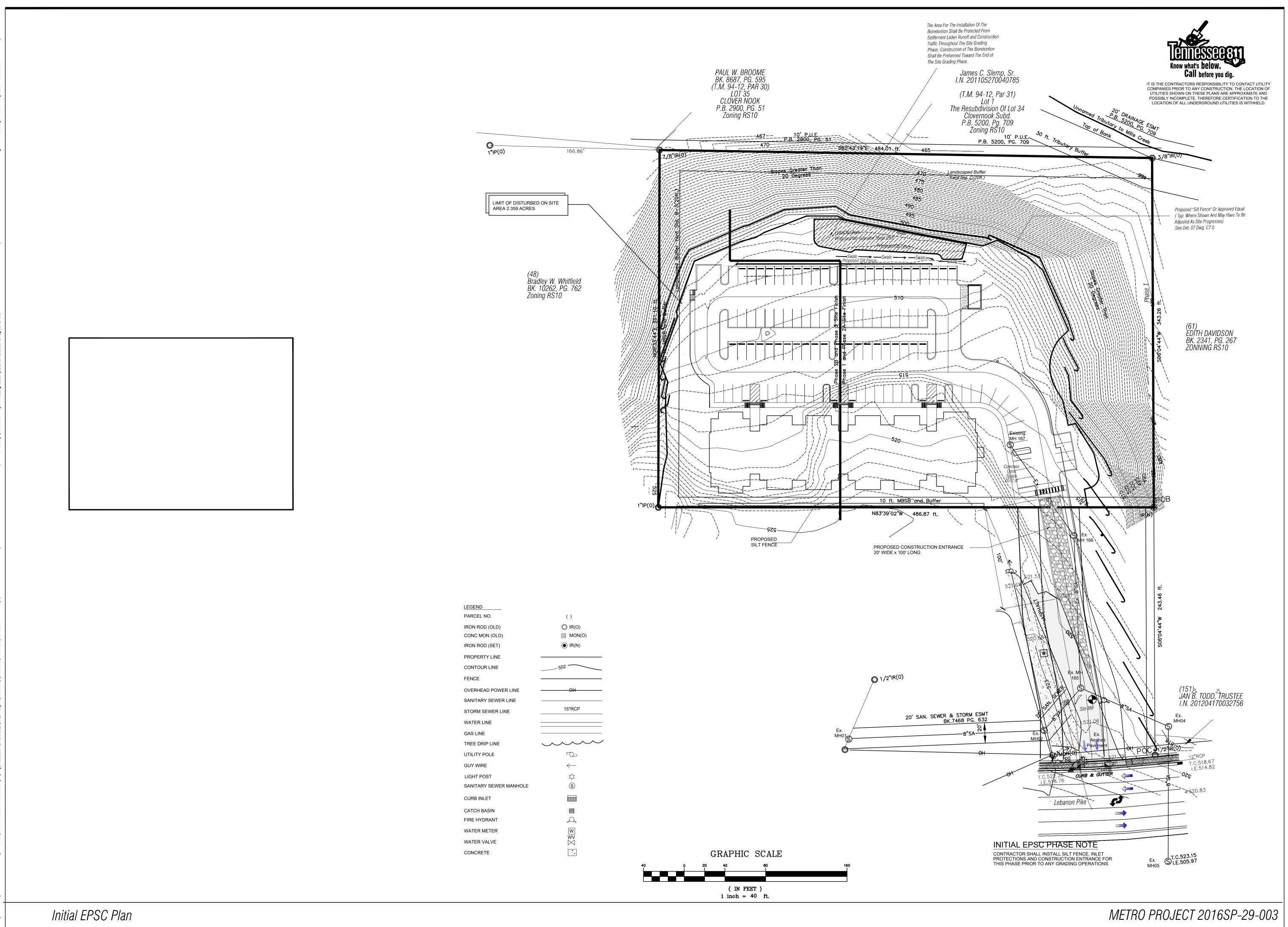
Grading Plan

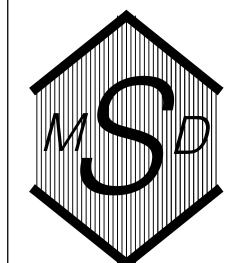
sheet no.

METRO PROJECT 2016SP-29-003

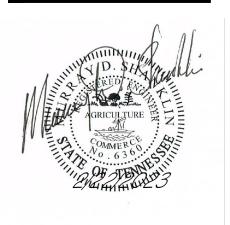
C3.0

IARK	DISCRIPTION	CASTING ELEV.	ELEV. In	ELEV. Out	Slope (%)	Pipe Size					
1	Headwall			513.85	1.00	21"x18' CMP					C10.0
2	Curb Drain	519.00	514.47	514.47	1.00	15"x101' CMP	See	Det.	10	Dwg.	C10.0
3	Curb Drain	519.50	515.48	515.48	1.00	15"x60' CMP	See	Det.	11	Dwg.	C10.0
4	Area Drain	519.50	516.08	516.08	1.00	13 XOU CMP	See	Det.	11	Dwg.	C10.0
5	Area Drain	519.00		517.00	1.00	15"x92' CMP	See	Det.	11	Dwg.	C10.0
6	Headwall			509.00	6.01	18"x107' CMP	See	Det.	12	Dwg.	C10.0
7	Area Drain	519.50	516.20	516.20			See	Det.	11	Dwg.	C10.0
8	Area Drain	519.50	517.00	517.00	1.00	15"x55' CMP	See	Det.	11	Dwg.	C10.0
9	Headwall	519.00		509.00			See	Det.	15	Dwg.	C10.0
10	Junction Box	520.00	517.00	517.00	2.00	8" PVC	See	Det.	09	Dwg.	C10.0
13	Headwall			509.00	2,00	0 1 10	See	Det.	12	Dwg.	C10.0
11	Junction Box	520.00	517.00	517.00	2.00	8" PVC	See	Det.	09	Dwg.	C10.0
14	Headwall			509.00			See	Det.	12	Dwg.	C10.0
12	Outlet Control Structure			502.00	3.00	6" PVC	See	Det.	20	Dwg.	C11.0





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Checked By MDS

Project No.

16 ROBERT BERARD

Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019 Revised 07/15/2019

A New Multiply Family Home Complex

Apartment Comcept
1636 Lebanon Pike
Nashville, Tennessee
Parcel No. 09400005000 and 09400004900

SHEET TITLE:

Initial

EPSC

Initial EPSC Plan

SHEET NO.

C4.0

Erosion, Sediment And Pollution Control Notes

Erosion Control Work Performed By The Contractor Shall Conform To The Stormwater Permitting Requirements Of The Tennessee Department Of Environment And Conservation, Division Of Water Pollution Control, And The "Tennessee Erosion And Sediment Control Handbook" Latest Edition.

The Escape Of Sediment From The Site Shall Be Prevented By The Installation Of Erosion Control Measures And Practices Prior To Or Concurrent With Land-disturbing Activities.

Maintenance, Erosion Control Measures Will Be Maintained At All Times. If Full Implementation Of The Approved Plan Does Not Provide For Effective Erosion Control, Additional Erosion And Sediment Control Measures Shall Be Implemented To Control Or Treat The Sediment Source.

All Sediment Controls And Critical Slopes 3:1 Must Be Stabilized Within Seven Calendar Days Of Disturbance . All Other Disturbed Areas Of The Project Site Must Be Stabilized Within Fourteen Calendar Days.

All Points Of Ingress And Egress Shall Be Protected To Minimize Tracking Of Mud Onto Public Right-of-ways And Roads. Any Earth, Gravel, And/or Other Material Tracked, Spilled, Or Washed Onto Road Or Adjacent Properties Must Be Immediately Removed And Disposed Of In A Proper Manner. Flushing Will Not Be Permitted. All Material Must Be Removed By Means Of Shoveling And Sweeping.

Sediment Control Devices Are To Remain In Place Until Site Is Permanently

Stabilized.

After Site Is Permanently Stabilized And Before Erosion Control Measures Are Removed, The Contractor Shall Clean Debris And Silt From All Storm Sewers, Structures And Ditches In Area Of Work.

All Excavated Material Shall Be Placed On High Side Wherever Possible And Confined To An Area Where It Will Not Obstruct The Normal Flow Of The Drainage.

Pumping Of Sediment Laden Water Will Not Be Allowed Unless It Is Filtered By Way Of An Approved Sediment Trapping Device.

The Contractor Shall Also Be Responsible For Keeping Filters And Silt Fences Clear Of Sediment Buildup During Construction.

Continuous Inspection And Maintenance Of The Sediment Control Devices Is

Any Sediment Control Devices Disturbed During Site Grading And Utility Construction Must Be Restored Immediately.

Expose The Smallest Areas Of Soil For As Short A Time As Possible.

Keep Dust Within Tolerable Limits By Sprinkling Or Other Acceptable Means. Use Temporary Vegetation And / Or Mulch To Protect Bare Areas From Erosion During

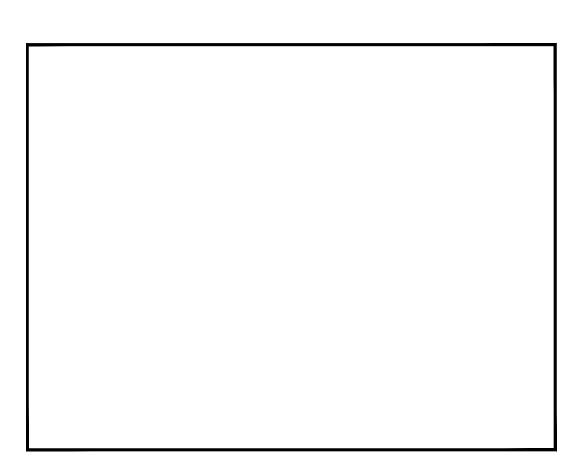
All Cut/fill Areas To Have A Minimum Of 6-inch Depth Topsoil Cover. Areas Dressed With Topsoil Will Receive 12 Pounds Per 1000 Square Feet Of Fertilizer, 8 Pounds Or More Of Seed Per 1000 Square Feet (see Tdot Seed Chart) And A Straw Mulch Of 70% - 80% Coverage (approximately 125 Pounds Per 1000 Square Feet) Except As Otherwise Determined By Plan.

Disturbed Areas Are To Be Graded To Drain As Indicated On Plan To Sediment Barriers During And Upon Completion Of Construction.

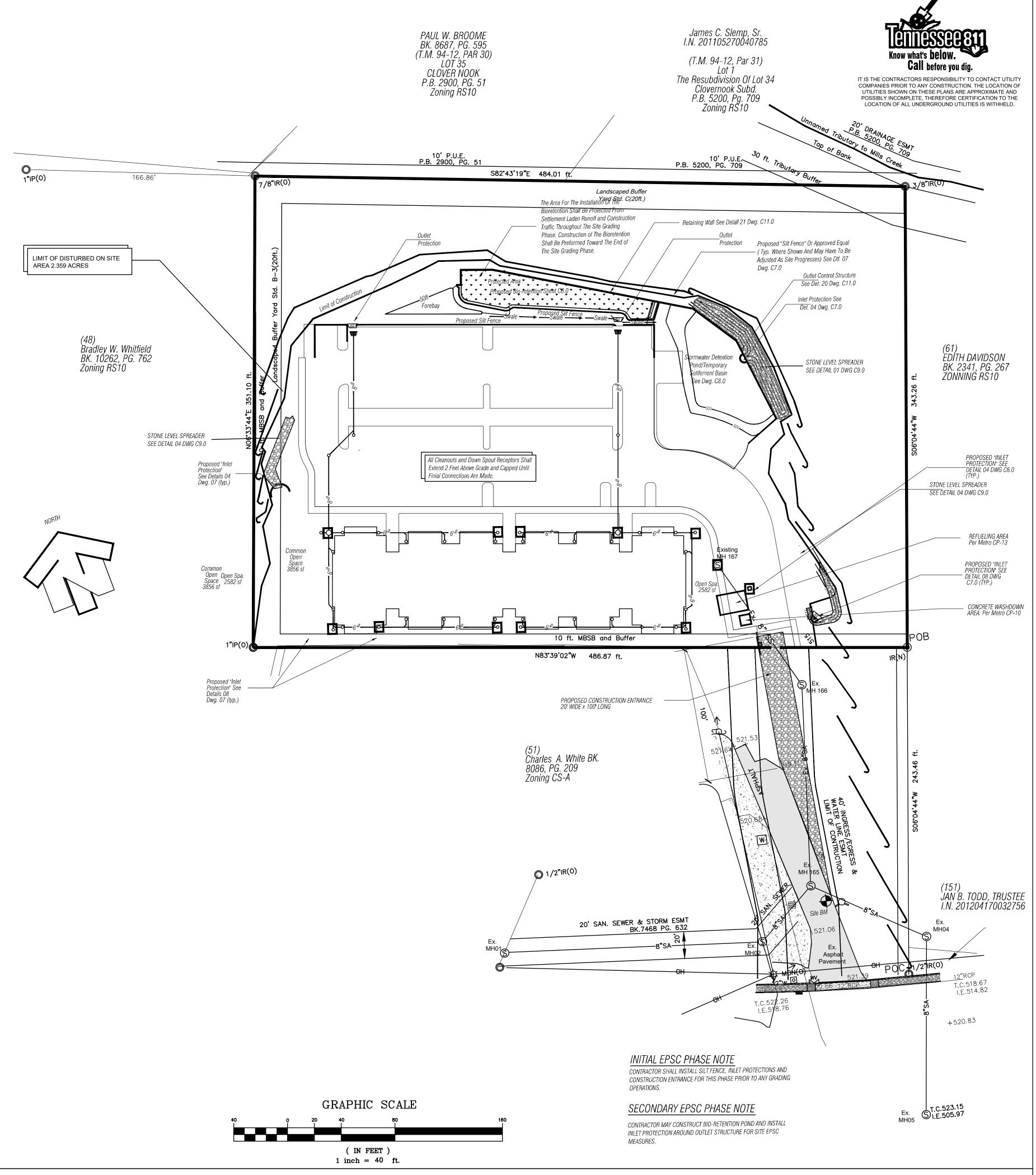
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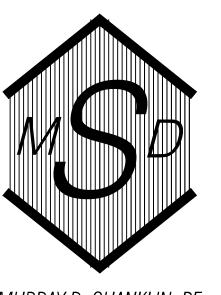
When Two Sections Of Silt Fence Are Joined Together, They Shall Be Overlapped, Folded And Stapled To Prevent Sediment Bypass. Silt Fence To Be Fastened Securely Every 6" Along Post. Accumulated Sediment Must Be Removed When It Reaches 50% Of The Height Of The Fabric. Wood Posts, 2"x2" Hardwood With Min. Cross Section Area Of 3 Inches. Steel Post, Either T Or U Type, Not Weighing Less Than 1 Lb./l.f. Silt Fence: Per Tdot Section S-b.27, Aashto M 298, Class A.

Contractor shall provide an area for concrete washdown and equipment fueling in accordance with Metro CP-10 and CP-13 respectively. Contractor to coordinate exact location with NPDES department during preconstruction meeting. Control of other site wastes such as discarded building material, chemical, litter, and sanitary wastes that may cause adverse impact to water quality is also required by the Grading Permittee.

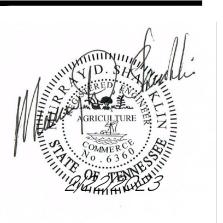


LEGEND	
PARCEL NO.	()
IRON ROD (OLD)	○ IR(0)
CONC MON (OLD)	O MON(O)
IRON ROD (SET)	IR(N)
PROPERTY LINE	
CONTOUR LINE	502
FENCE	
OVERHEAD POWER LINE	
SANITARY SEWER LINE	
STORM SEWER LINE	15"RCP
WATER LINE	
GAS LINE	
TREE DRIP LINE	
UTILITY POLE	
GUY WIRE	\leftarrow
LIGHT POST	\$
SANITARY SEWER MANHOLE	S
CURB INLET	
CATCH BASIN	
FIRE HYDRANT	Q
WATER METER	W
WATER VALVE	₩V
CONCRETE	· d.





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Drawn MDS

Checked By MDS

Project No.
16 ROBERT BERARD

Date 07/15/2019

Revised 06/21/2016 Revised 07/03/2016

> Pike Ssee 00005000 and 0940004900

A New Multiply Family Home Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000

Phase 2
EPSC

SHEET NO.

C5.0

Erosion, Sediment And Pollution Control Notes

Erosion Control Work Performed By The Contractor Shall Conform To The Stormwater Permitting Requirements Of The Tennessee Department Of Environment And Conservation, Division Of Water Pollution Control, And The "Tennessee Erosion And Sediment Control Handbook" Latest Edition.

The Escape Of Sediment From The Site Shall Be Prevented By The Installation Of Erosion Control Measures And Practices Prior To Or Concurrent With Land-disturbing Activities.

Maintenance, Erosion Control Measures Will Be Maintained At All Times. If Full Implementation Of The Approved Plan Does Not Provide For Effective Erosion Control, Additional Erosion And Sediment Control Measures Shall Be Implemented To Control Or Treat The Sediment Source.

All Sediment Controls And Critical Slopes 3:1 Must Be Stabilized Within Seven Calendar Days Of Disturbance . All Other Disturbed Areas Of The Project Site Must Be Stabilized Within Fourteen Calendar Days.

All Points Of Ingress And Egress Shall Be Protected To Minimize Tracking Of Mud Onto Public Right-of-ways And Roads. Any Earth, Gravel, And/or Other Material Tracked, Spilled, Or Washed Onto Road Or Adjacent Properties Must Be Immediately Removed And Disposed Of In A Proper Manner. Flushing Will Not Be Permitted. All Material Must Be Removed By Means Of Shoveling And Sweeping.

Sediment Control Devices Are To Remain In Place Until Site Is Permanently

Stabilized.

After Site Is Permanently Stabilized And Before Erosion Control Measures Are Removed, The Contractor Shall Clean Debris And Sit From All Storm Sewers,

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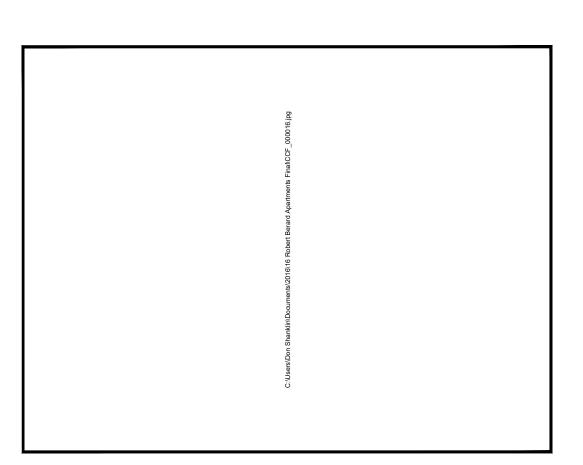
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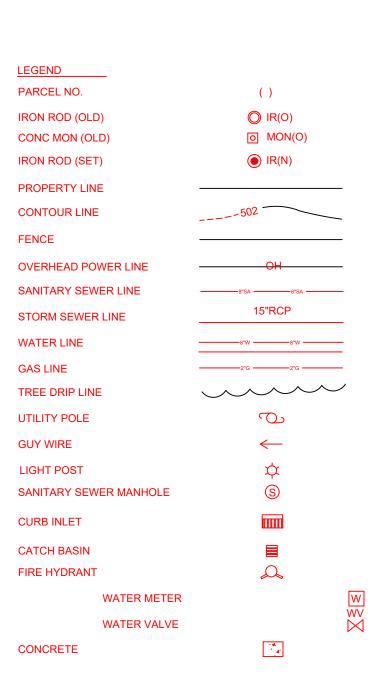
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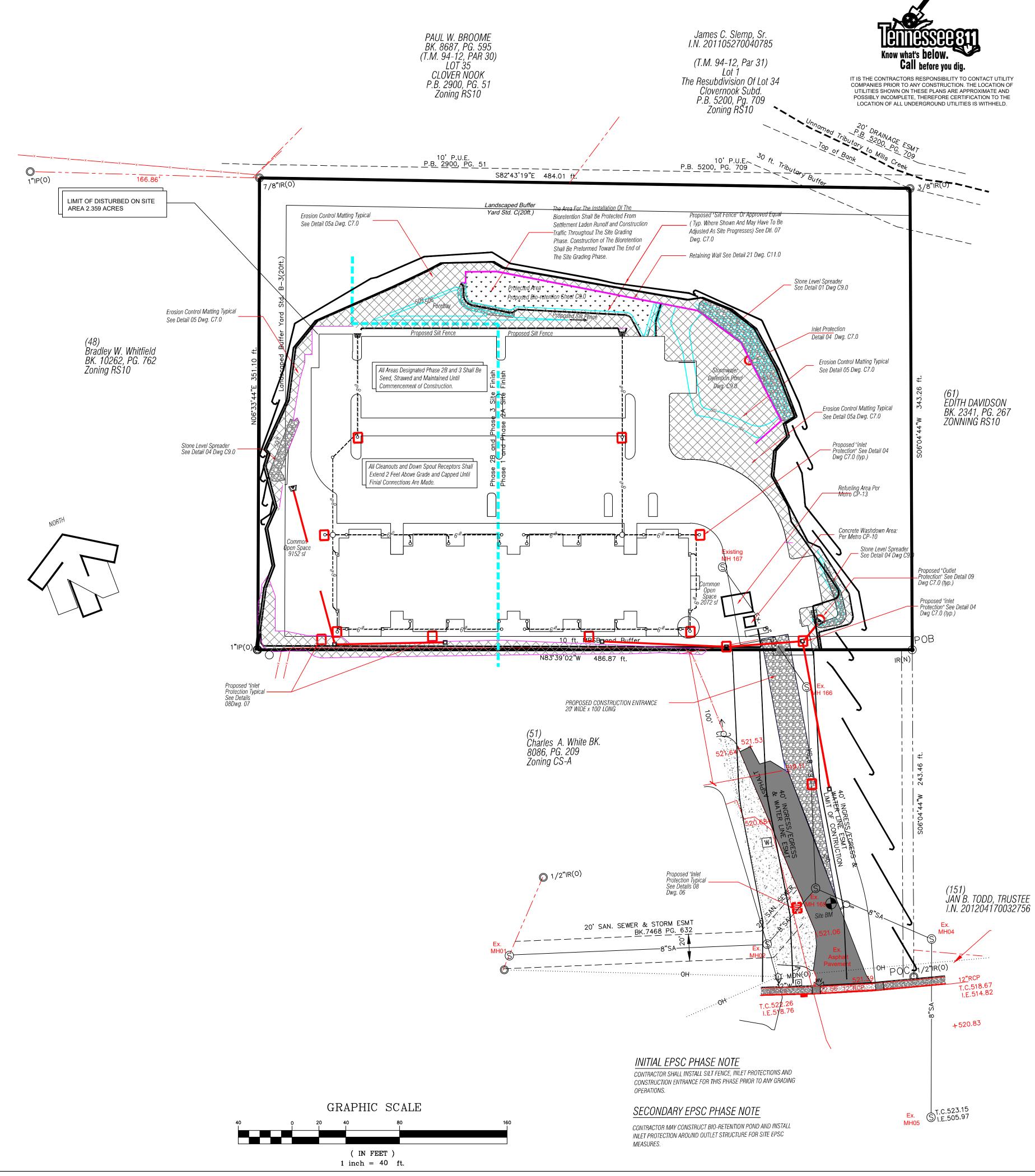
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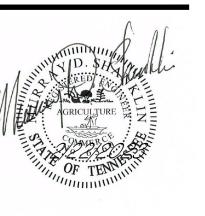




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Drawn MDS

Checked By MDS

Project No.
16 ROBERT BERARD

Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019

07/15/2019

Family Home Complex

Comcept

Ton Pike

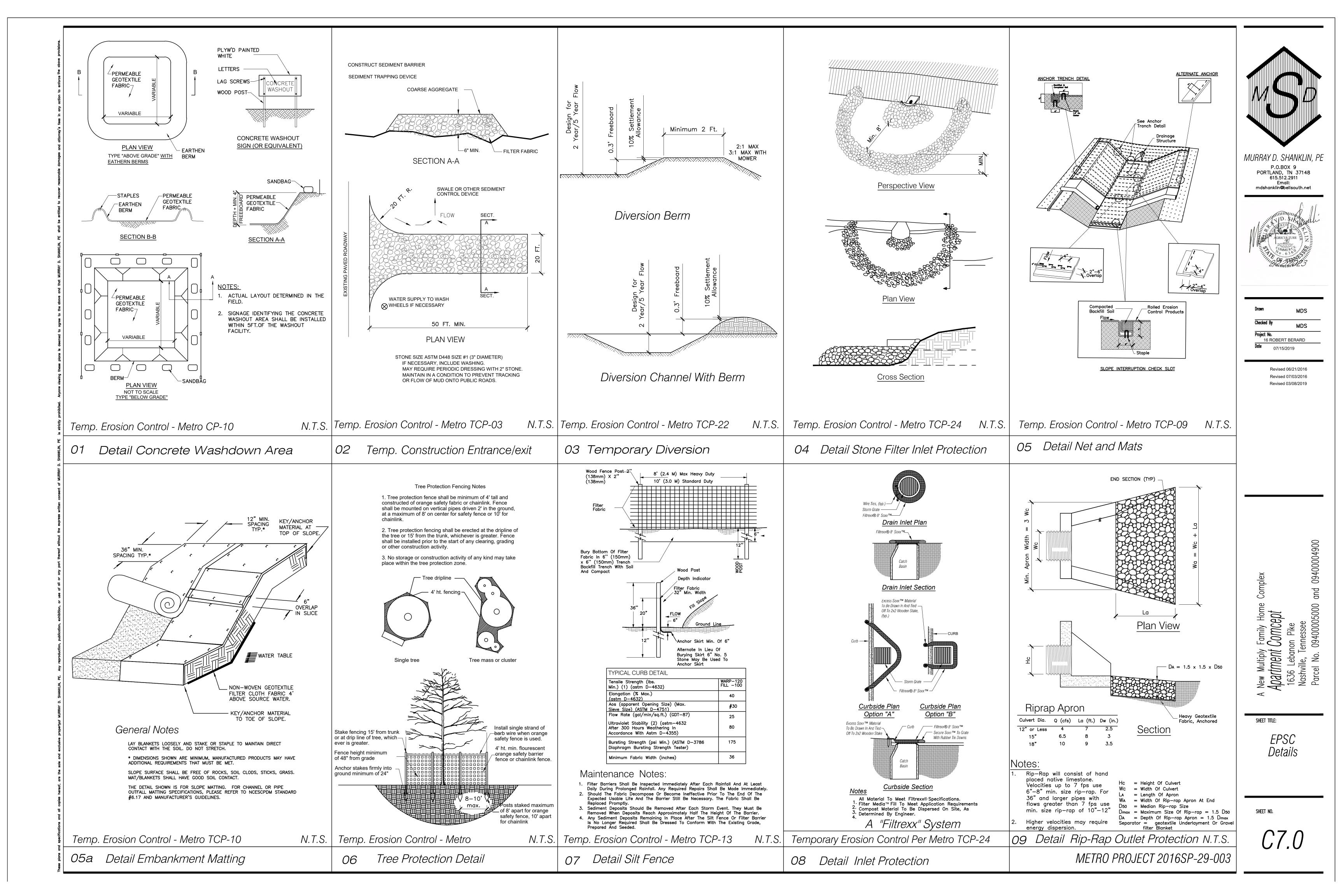
ennessee

SHEET TITLE:

Final EPSC Plan

SHEET NO.

C6.0



SEWER
METRO WATER AND SEWERAGE SERVICES
1600 SECOND AVENUE NORTH
NASHVILLE, TN 37208
(615) 862-4505

GAS
PIEDMONT NATURAL GAS
665 MAINSTREAM DRIVE
NASHVILLE, TN 37228
(704) 364-3120

CABLE COMCAST 660 MAINSTREAM DRIVE NASHVILLE, TN 37228 (615) 244-5900

ELECTRIC

NES NASHVILLE ELECTRIC SERVICE
1214 CHURCH STREET
NASHVILLE, TN 37203

TELEPHONE AT&T 2501 PARK PLAZA NASHVILLE, TN 37203

(615) 747-3641

(615) 344-5288

UTILITY NOTES

ALL SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS
 AND STANDARD DETAILS OF THE METRO WATER SERVICES AND OSHA

2. THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE METRO WATER

SERVICES THE COST OF INSPECTION.

3. THE CONTRACTOR IS TO PROVIDE AND MAINTAIN THE CONSTRUCTION IDENTIFICATION SIGN FOR PRIVATE DEVELOPMENT APPROVED.

4. AFTER COMPLETION OF THE SANITARY SEWER, THE DEVELOPER IS RESPONSIBLE FOR THE TELEVISING OF THE LINES PRIOR TO FINAL ACCEPTANCE. THE VIDEOTAPING MUST BE COORDINATED WITH THE METRO WATER SERVICES INSPECTION SECTION. ALL COSTS WILL BE BORNE BY THE DEVELOPER.

5. ALL CONNECTIONS TO EXISTING MANHOLES OR CATCHBASINS SHALL BE BY CORING AND RESILIENT CONNECTOR METHOD.

6. UPON COMPLETION OF CONSTRUCTION OF SEWER, THE ENGINEER SHALL PROVIDE THE DEPARTMENT WITH A COMPLETE SET OF AS-BUILT PLANS ON MOIST ERASABLE MYLARS IN REVERSE AND IN DIGITAL (*.DWG) FORMAT. SEWER PLANS SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER OR A REGISTERED LAND SURVEYOR AND SHALL INCLUDE ACTUAL FIELD ANGLES BETWEEN LINES, ALL ACTUAL SERVICE LINES AND TEE LOCATIONS, THE DISTANCE OF THE END OF THE SERVICE LINE TO PROPERTY CORNERS AND LINES AND/OR STATION AND OFFSET FROM SEWER CENTERLINE TO END OF SERVICE LINE, THE DEPTH TO THE TOP OF THE END OF THE SERVICE LINE, AND SHALL REFLECT ALL ALIGNMENT AND GRADE CHANGES. ALL DRAWINGS MUST BE COMPLETED AND SUBMITTED PRIOR TO ACCEPTANCE OF THE SEWERS INTO THE PUBLIC SYSTEM AND ANY CONNECTIONS

BEING MADE.

7. UTILITIES SHOWN HEREON WERE TAKEN FROM VISIBLE OBSTRUCTIONS IN THE FIELD, LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON AS ACCURATE. ADDITIONALLY, UTILITIES OTHER THAN THOSE SHOWN MAY BE

8. PRIOR TO CONSTRUCTION, EXCAVATION, OR DISTURBANCE OF THE EXISTING GROUND ELEVATION, THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY AND EXPENSE OF CONTACTING THE LOCAL UTILITY OWNERS AND DEFINITIVELY ESTABLISHING THE EXISTENCE, EXACT LOCATIONS AND SIZES OF UNDERGROUND UTILITIES TO AVOID ANY HAZARD OR CONFLICT.

9. TENNESSEE LAW REQUIRES NO LESS THAN THREE NOR MORE THAN TEN WORKING DAYS NOTICE TO UNDERGROUND UTILITY OWNERS PRIOR TO INTENT TO EXCAVATE. A LIST OF THESE UTILITIES MAY BE OBTAINED FROM EACH COUNTY'S REGISTER OF DEEDS. THOSE UTILITIES THAT PARTICIPATE IN THE TN ONE-CALL SYSTEM CAN BE NOTIFIED AT 1-800-351-1111.

10. CONTRACTOR IS TO PROTECT UTILITIES THAT ARE TO REMAIN AND ALL EXISTING IMPROVEMENTS INCLUDING BUT NOT LIMITED TO STRUCTURES, PAVEMENT, RAMPS, TREES, SIDEWALKS, CULVERTS, ETC. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING IMPROVEMENTS AND UTILITIES TO REMAIN ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR IS TO COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY AUTHORITIES.

WATER NOTES

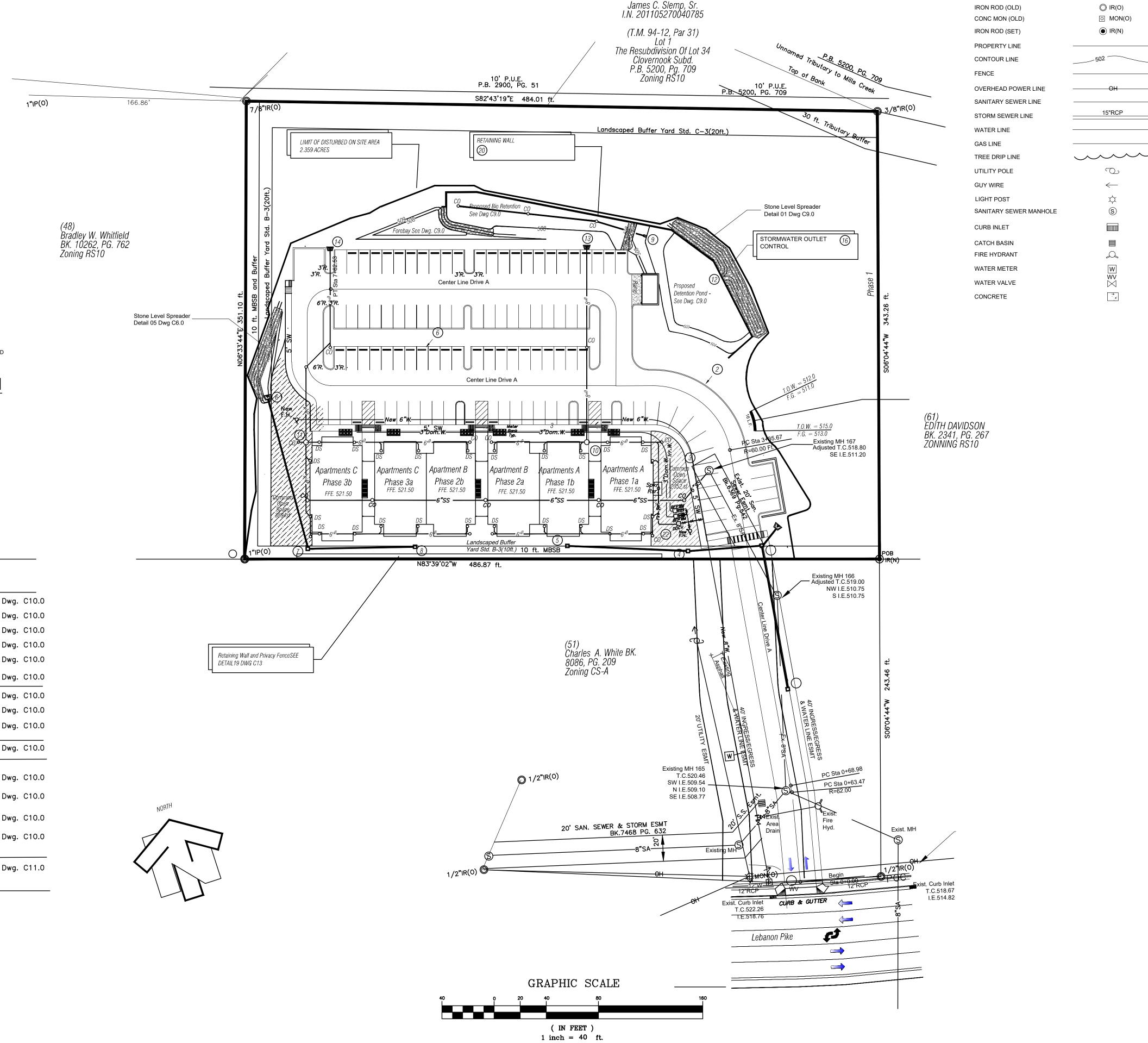
PART OF SWGR# 201300135

1. ALL WATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD

WATER QUALITY AND DETENTION

1. WATER QUALITY AND DETENTION MEASURES ARE PROVIDED BY A REGIONAL FACILITY AS A

MARK	DISCRIPTION	TOP OF CASTING ELEV.	INVERT ELEV. In	INVERT ELEV. Out	Slope (%)	Pipe Size	
1	Headwall			513.85	1.00	21"x18' CMP	See Det. 12 Dwg. C10.0
2	Curb Drain	517.75	514.03	514.03	1.00	18"x44' CMP	See Det. 10 Dwg. C10.0
3	Curb Drain	519.00	514.47	514.47	1.00	15"x101' CMP	See Det. 10 Dwg. C10.0
4	Area Drain	519.50	515.48	515.48	1.00	15"x60' CMP	See Det. 11 Dwg. C10.0
5	Area Drain	519.50	516.08	516.08			See Det. 11 Dwg. C10.0
6	Area Drain	519.00		517.00	1.00	15"x92' CMP	See Det. 11 Dwg. C10.0
7	Headwall			509.00	6.01	18"x107' CMP	See Det. 12 Dwg. C10.0
8	Area Drain	519.50	516.20	516.20			See Det. 11 Dwg. C10.0
9	Area Drain	519.50	517.00	517.00	1.00	15"x55' CMP	See Det. 11 Dwg. C10.0
10	Headwall	519.00		509.00			See Det. 15 Dwg. C10.0
11	Junction Box	520.00	517.00	517.00	2.00	0, 5), (0	See Det. 09 Dwg. C10.0
14	Headwall			509.00	2.00	8" PVC	See Det. 12 Dwg. C10.0
12	Junction Box	520.00	517.00	517.00	2.00	0" 5\/0	See Det. 09 Dwg. C10.0
15	Headwall			509.00	2.00	8" PVC	See Det. 12 Dwg. C10.0
13	Outlet Control Structure			502.00	3.00	6" PVC	See Det. 20 Dwg. C11.0

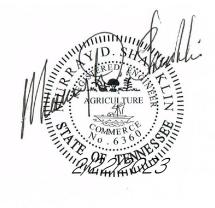


LEGEND

()

PARCEL NO.

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mdshanklin@bellsouth.net



Checked By MDS

Project No.
16 ROBERT BERARD

07/15/2019

Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019 Revised 07/15/2019 Revised 08/03/2020 Revised 10/02/2020 Revised 01/03/2023

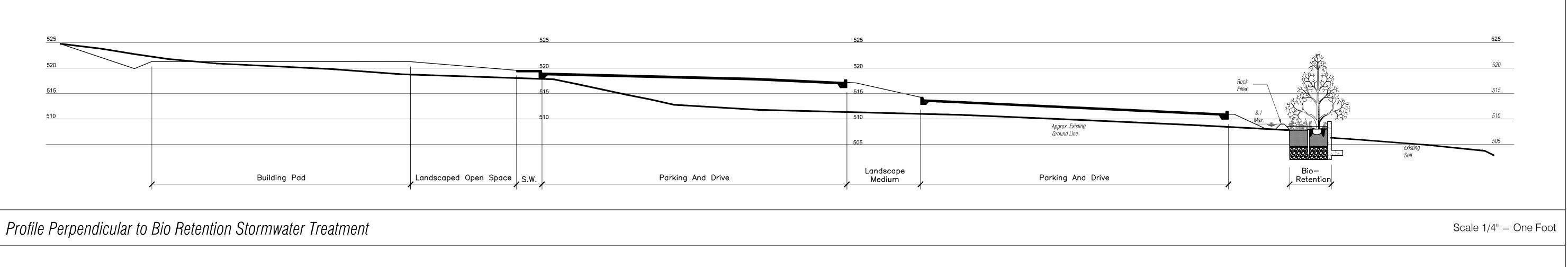
New Multiply Family Home Complex Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000 and 09400004900

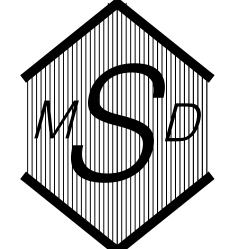
SHEET TITLE:

Utility Plan

SHEET NO.

C8.0





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Drawn	MDS
Checked By	MDS
Project No. 16 Rober	t Berard

Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019 Revised 07/15/2019 Revised 08/03/2020

11/3/2018

09400004900 vanon Pike Tennessee 5. 09400005000 A New Multiply Family Home Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000

SHEET TITLE:

No.4 Bars at 16"o.c.

_ No.4 Bars at 16"o.c.

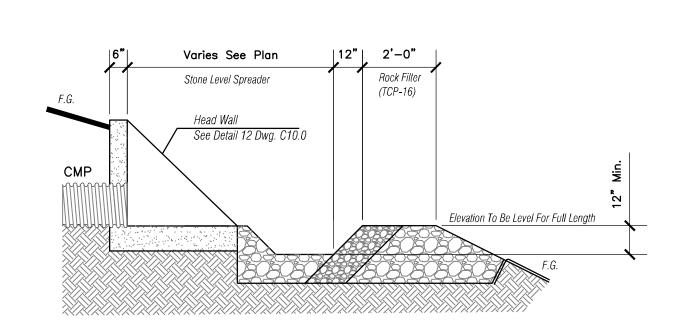
8 No.4 Bars

Section Typical For Retaining Wall Structures

03 Detail

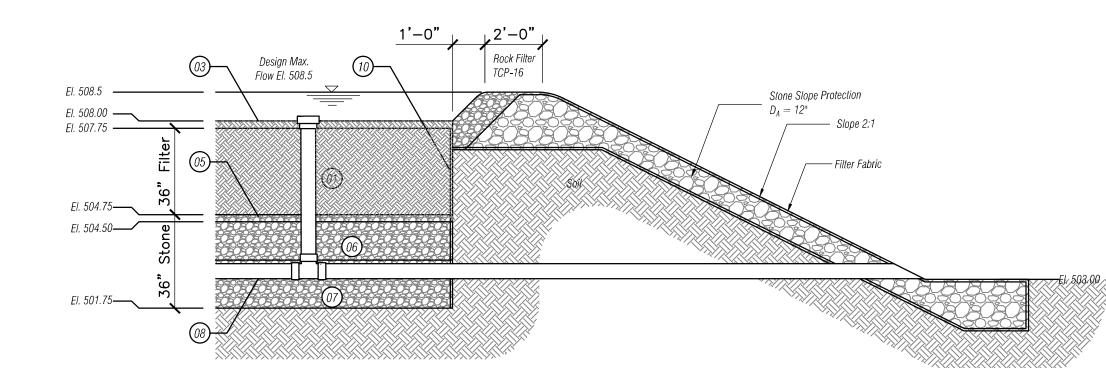
Bio Retention Details

SHEET NO.



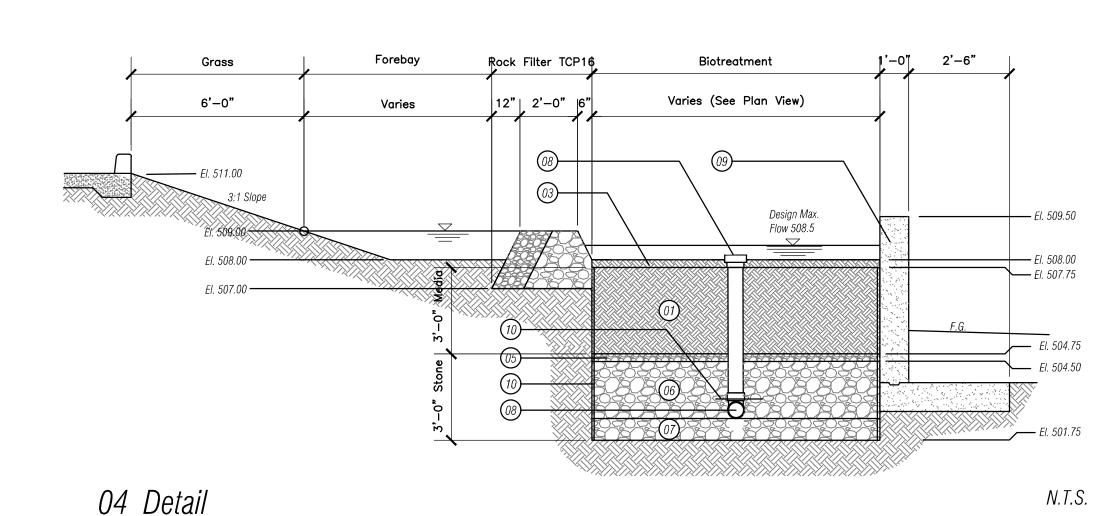
06 Detail Section Through Headwall At Leveler Stone - Typical

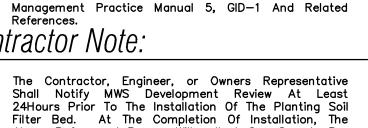
Showing Forebay and Bio-Retention



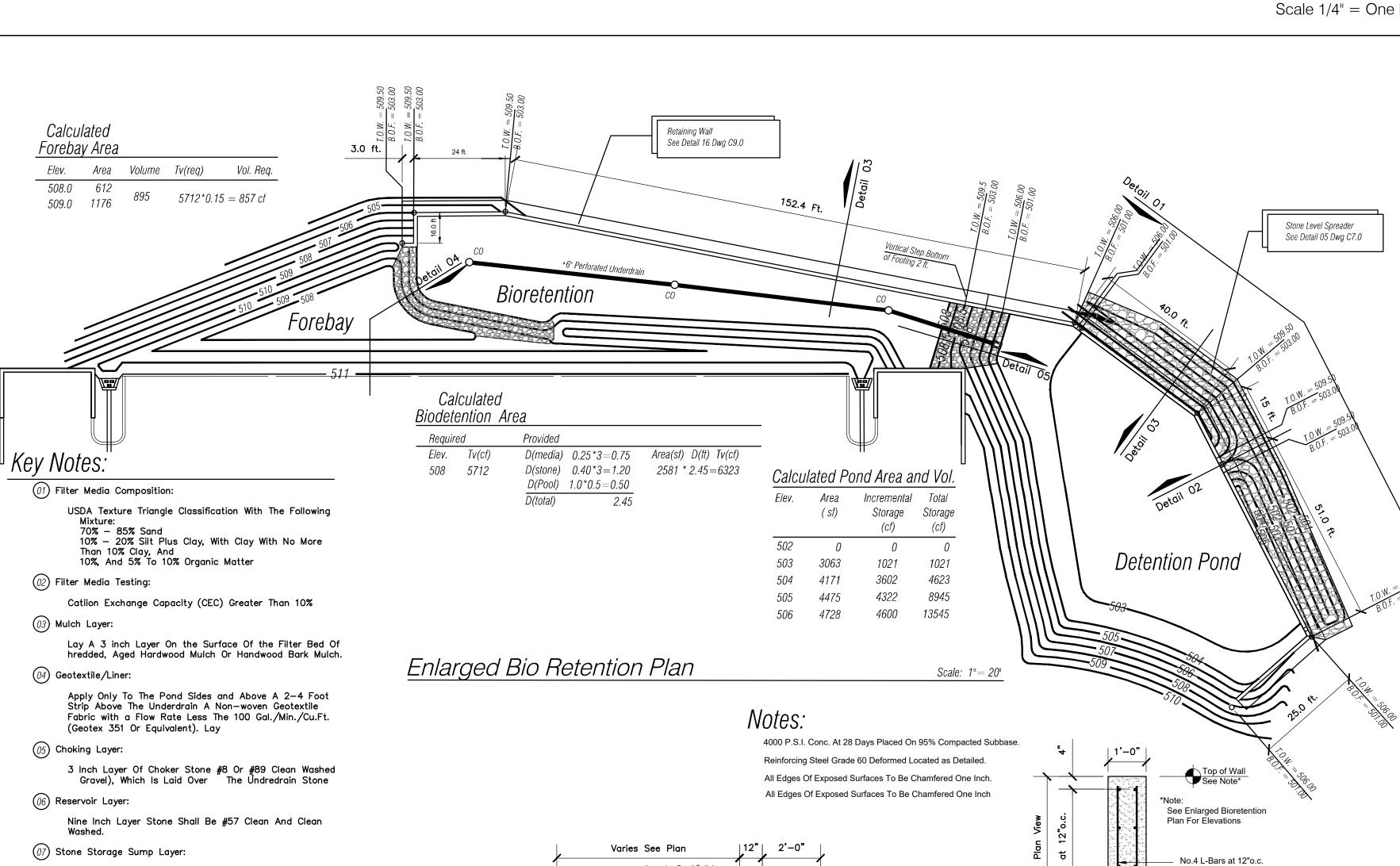


Rock Filter TCP-16





The Contractor, Engineer, or Owners Representative Shall Notify MWS Development Review At Least 24Hours Prior To The Installation Of The Planting Soil Above Referenced Person Will collect One Sample Per Bioretention Bed For Analysis and Confirmation Of The Soil Characteristics as Defined By GIP—1, Filter Media and Surface Cover, Section 6.6, Page 29.



Detention Pond Outlet

Draw down 1" I.D. Outlet

Rip-Rap Embankment:

See Plan View

Orifice.

Section Through Detention Outlet Structure Retaing Wall

Slope Finish Grade

Slope Top Of Footing 1" at Draw Down Oritice Outlet

2:1Beyound Lower Drain

Elevation of Partial Developed View Of The Detention Pond Outlet Structure

Rock Filter

(TCP-16)

Embankment Matting See Detail 05a Dwg. C7.0

El. 505.00 Invert Weir 2

Elevation To Be Level For Full Length

1'-0" 1'-0"

Structure

El. 506.00 _

Top of Wall

El. 505.00

Invert Weir 2

Invert Weir 1

Detention Pond

El. 504.00 _____

02 Detail

01 Detail

(06) Reservoir Layer:

07) Stone Storage Sump Layer: Twelve Inches Of Minimum Layer Stone Shall Be Clean

(08) Underdrains, Cleanouts, and Observation Wells:

Six Inch Corrugated HDPE or PVC Pipe With \$\frac{3}{8}\$ Inch Perforations At 6 Inches ON Center; Position Each Underdrain On A 1% To 2% Slope Located No More Than 20 Feet From The Next Pipe.

(9) Retaining Wall See Detail 21 Dwg. C11.0

(10) Filter Fabric:

Washed #57 Stone.

Install A Permanent Filter Fabric Liner Along All Exterior Sides of Excavation Between the Filter Media and The Install A Permanent Filter Fabric Directly Above The Underdrain Pipe 2—4 Feet Width And Along The Full Length Of The Pipe.

Notes:

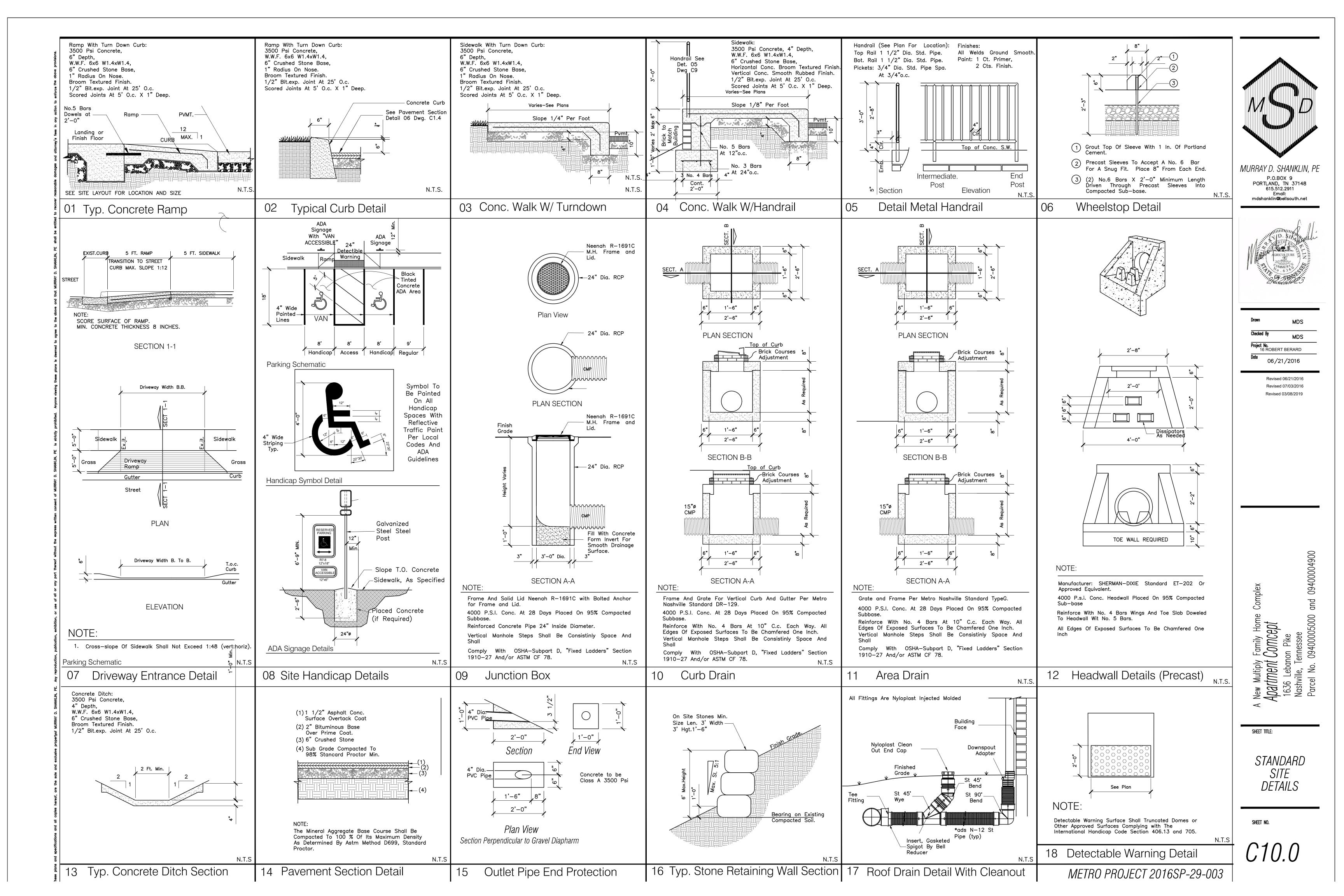
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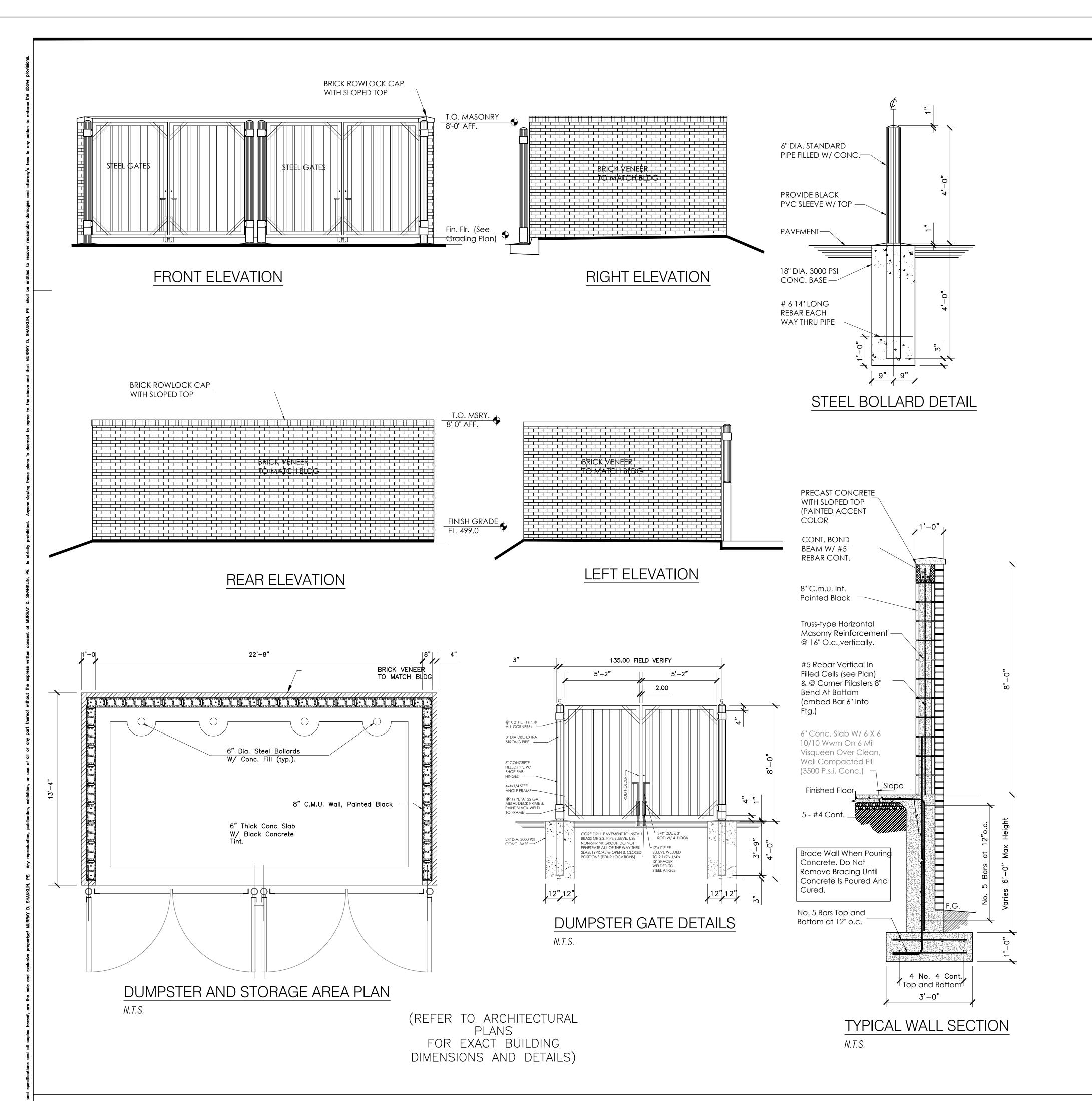
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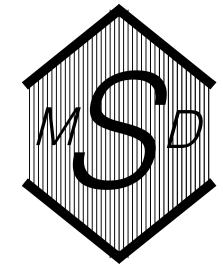
The BioRetention Area Shall Be Protected During Construction and Only Worked with Minimal Size Equipment to Avoid Compacting. See Lanscape Plan LS1.0 for Varieties and Locations

Compost Shall be Applied for the Top 2 To 4 Inches after Planting Area Preparations are Completed. All Work Shall Be In Accordance With Metro "Best Management Practice Manual 5, GID—1 And Related

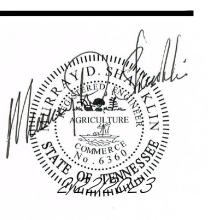
Contractor Note:







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Checked By MDS

Project No.
16 ROBERT BERARD

16 ROBERT BERARD

07/15/2019

Revised 06/21/2016 Revised 07/03/2016

A New Multiply Family Home Complex

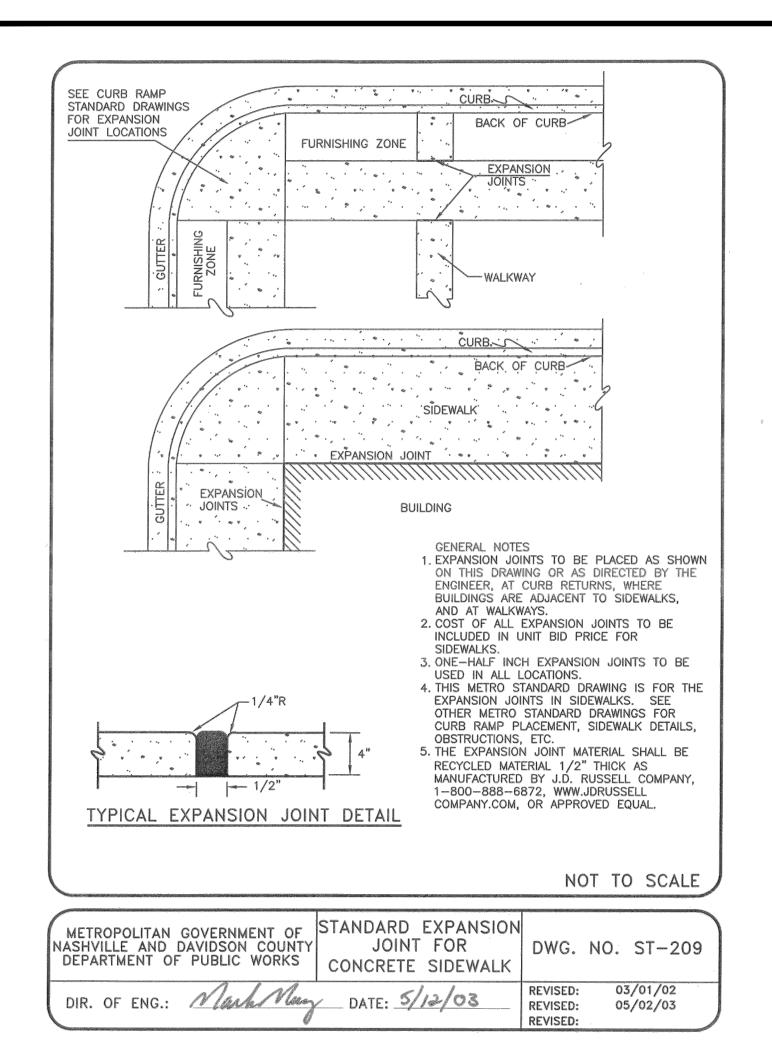
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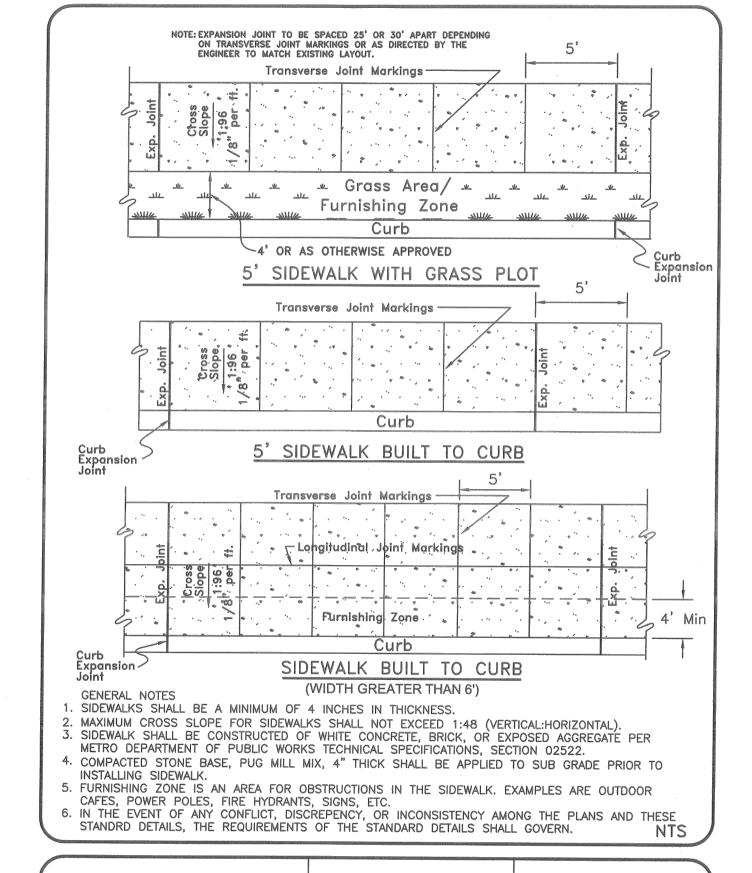
SHEET TITLE:

Standard Site Details

SHEET NO.

C11.0





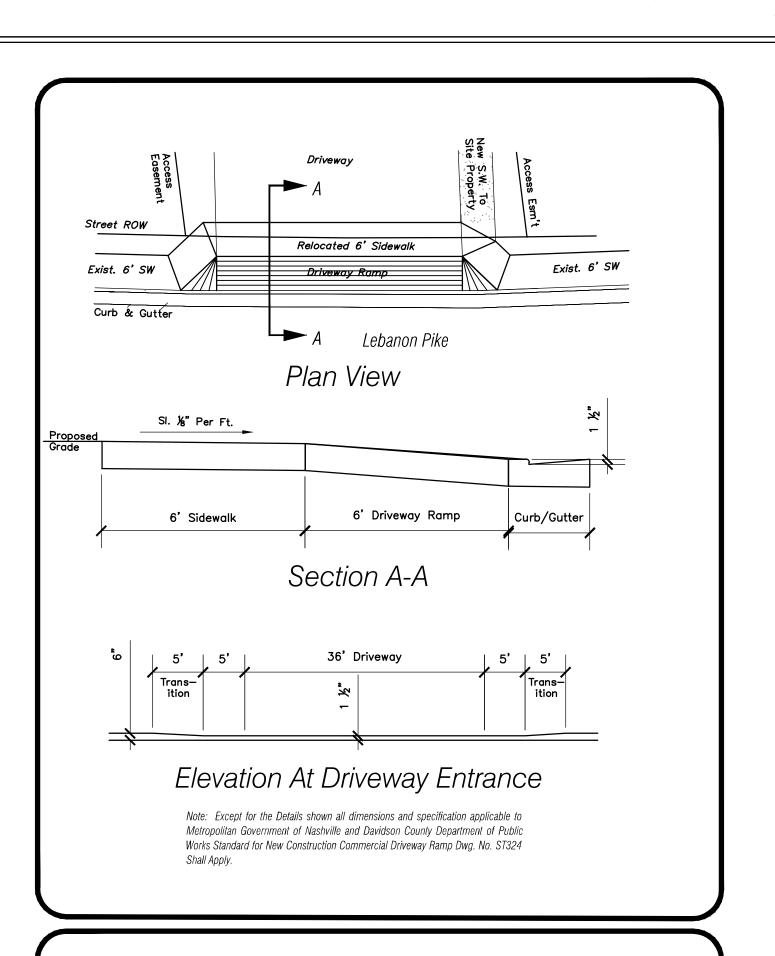
METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS	SIDEWALK CONSTRUCTION	DWG.	NO. ST-210
DIR. OF ENG.: MarkMar	DATE: 7/15/04	REVISED: REVISED: REVISED:	05/02/03 11/24/03 06/23/04

NOTES:

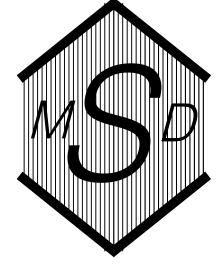
- 1. CURB RAMPS SHALL BE PROVIDED TO ALLOW ALL USERS TO MAKE THE TRANSITION IN GRADE FROM THE STREET TO THE SIDEWALK
- 2. CURB RAMPS SHALL BE CONSTRUCTED TO THE DIMENSIONS AND FINISHED ELEVATIONS AS SPECIFIED IN THE PLANS AND/OR CONTRACT DOCUMENTS AND SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. SURFACE TEXTURE OF THE CURB RAMP SHALL BE STABLE, FIRM, AND SLIP—RESISTANT. THE SURFACE SHALL BE COARSE BROOMED FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. CARE SHALL BE TAKEN TO ASSURE AN UNIFORM GRADE ON THE CURB RAMP. LONGITUDINAL AND TRANSVERSE JOINT MARKINGS SHALL NOT BE ALLOWED ON THE LANDINGS OR RAMPS.
- 3. DRAINAGE AND UTILITY STRUCTURES SHALL NOT BE PLACED IN CURB RAMP OR LANDING.
- 4. THE GUTTER LINE PROFILE OF THE STREET SHALL BE MAINTAINED THROUGH THE AREA OF THE CURB RAMP.
- 5. THE FURNISHING ZONE BUFFERS PEDESTRIANS FROM THE ADJACENT ROADWAY, AND IS ALSO THE AREA WHERE ELEMENTS SUCH AS STREET TREES, SIGNAL POLES, UTILITY POLES, STREET LIGHTS, CONTROLLER BOXES, HYDRANTS, SIGNS, PARKING METERS, DRIVEWAY APRONS, GRATES, HATCH COVERS, AND STREET FURNITURE ARE PROPERLY LOCATED.

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS

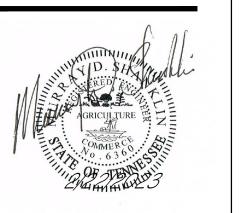
ASST. DIR, ENG.: Mark Mary DATE: 1/2/00
DIRECTOR: DATE: 1/2/00
DATE: 1/2/00
REVISED: 11/10/00



01 Detail Modifications to Metro Standard ST-324 Driveway Entrance Detail



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07/15/2019

Revised 06/21/2016 Revised 07/03/2016 Revised 03/08/2019 Revised 07/31/2020

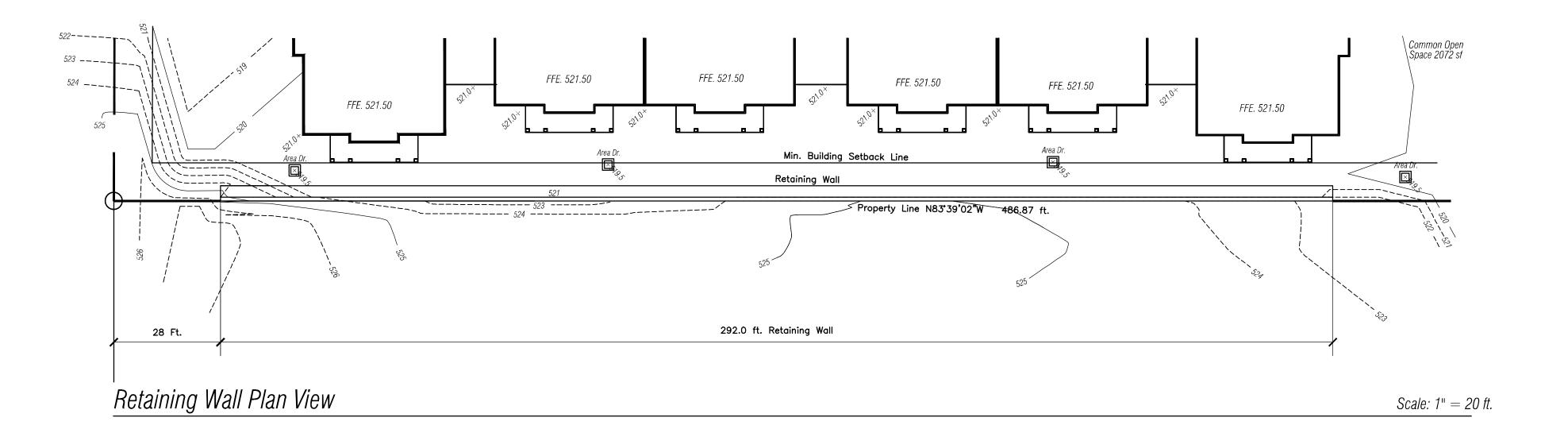
> Apartment Comcept Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000 and 0940000490

SHEET TITLE:

Metro Standard Details

SHEET NO.

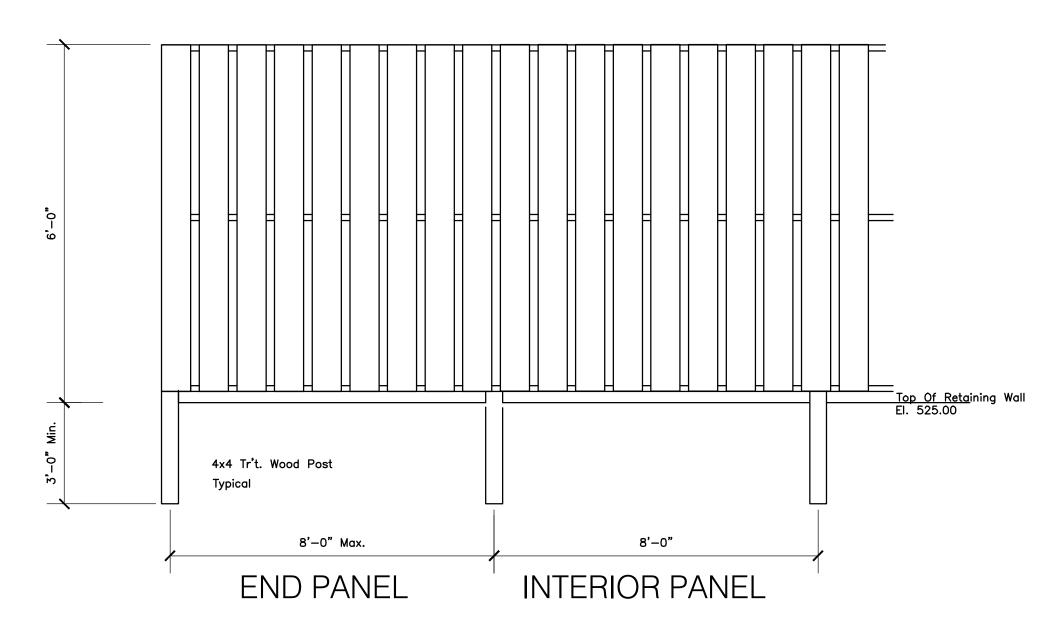
C12.0



N.T.S.

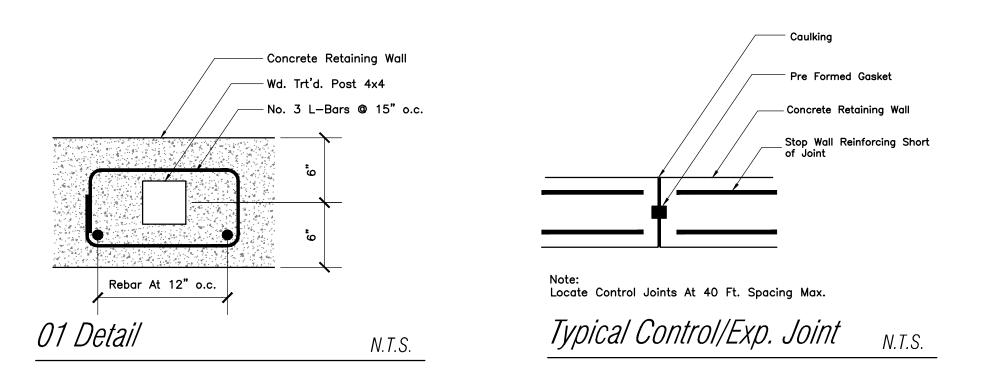
- 2x4 Wood Stringer (Typ.) 4x4 Treated Wood Post (Typ.) Extend 3'-0" Into Masonry Wall. Set Post 2x8 W. Red Cedar © -10" Spacing Both Sides. T.O.W. El. 525.00 No.5 Bars @ 8" o.c. No. 3 L-Bars @ 15" o.c. Filter Fabric Crushed Stone Backfill 4" PVC Drain Pipes at 5'-0" o.c Placed at Lowest Point Practical For Drainage. No.5 Bars @ 8" o.c. No.4 Bars @ 16" o.c. T.O.F. El. 520.50 4 No.4 Bars T.& B. 3'-3"

Section Showing Retaining Wall and Privacy Fence



INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

Elevation Showing Privacy Fence

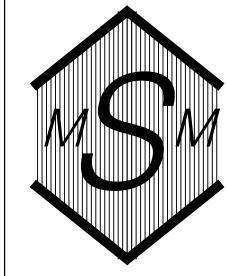




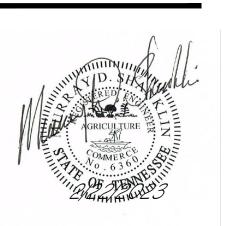
- F'c (COMPRESSIVE STRENGTH AT 28 DAYS TO BE 3500 PSI REINFORCING BARS 60 KSI F'Y (YIELD POINT) FOR ALL REINFORCING STEEL SHALL NOT BE LESS THAN 40000 PSI.
- 2. CONCRETE A.C.I. STANDARD BUILDING CODE (A.C.I. 301 AND A.C.I. CODE OF STANDARD PRACTICE.
- MASONRY: CONCRETE MASONRY UNITS SHALL CONFORM TO
 ASTM C90. FACE BRICK SHALL CONFORM TO ASTM C 73.
 MORTAR SHALL BE TYPE "M". GROUT SOLID JOINT BETWEEN
 BRICK AND CMU.
- 5. MORTAR AND GROUT PROPORTIONING: COMPRESSION STRENGTH AT 28 DAYS SHALL BE 1800 PSI FOR MORTAR AND 2000 PSI FOR GROUT. ALL PARTS SHALL BE BY LOOSE VOLUME MEASUREMENT.
 - -MORTAR: 1 PART PORTLAND CEMENT, 3.8 TO 3.75 PARTS SAND, AND 1/4 PART HYDRATED LIME. INCLUDE SPECIFIED MORTAR ADMIX IN MORTAR FOR EXTERIOR WALLS, PROPORTIONED PER ADMIX MANUFACTURER'S PRINTED DIRECTIONS.
 - -GROUT: 1 PART PORTLAND CEMENT, 3 PARTS SAND, AND 2 PARTS PEA GRAVEL (NO MORE THAN 1/10 PART LIME MAY BE ADDED). INCLUDE SPECIFIED GROUT ADMIX IN CONFORMANCE WITH MANUFACTURER'S PRINTED DIRECTIONS.
- 4. FOUNDATION ELEMENTS SHALL BEAR ON SOIL HAVING BEARING CAPACITY OF NO LESS THAN 2000 PSF.
- 6. ALL REINFORCING BARS SHALL BE TIED AND SUPPORTED IN SUCH A MANNER AS TO PREVENT DISPLACEMENT DURING CONCRETE PLACING OPERATIONS. REINFORCEMENT VENDORS TO FURNISH ALL ACCESSORIES, CHAIRS, SPACER BARS AND SUPPORTS NECCESSARY TO SECURE STEEL IN ACCORDANCE TO A.C.I. CODE OF STANDARD PRACTICE AND AS SHOWN ON PLANS.
- 7. CONCRETE COVERAGE FOR REINFORCEMENT, UNLESS OTHERWISE SHOWN SHALL BE AS FOLLOWS:

FOOTINGS - 3 INCHES

- 8. DURING THE CONSTRUCTION PERIOD, IT IS THE CONTRACTORS
 RESPONSIBILITY TO CHECK ALL DIMENSIONS AND SECTION SHOWN
 ON THE DRAWINGS AND REPORT TO THE ENGINEER OF ANY
 DISCREPANCIES FOUND.
- 9. THESE STRUCTURAL DRAWINGS AND DETAILS REPRESENT THE DESIRED RESULT OF CONSTRUCTION. THE METHODS OF CONSTRUCTION AND THE RISKS INVOLVED DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 10. DESIGN SOIL BEARING PRESSURE:ISOLATED FOOTINGS 2000 PSFCONTINUOUS FOOTINGS 2000 PSF
- 11. SHOULD SOFT OR OTHERWISE UNSUITABLE MATERIAL BE ENCOUNTERED IN THE BOTTOM OF AN EXCAVATION, SUCH MATERIAL SHALL BE REMOVED AND BACKFILLED WITH COMPACTED SUITABLE MATERIAL. COMPACTION SHALL BE SUCH AS TO ACHIEVE THE DENSITY OF THE MATERIAL IN NOTE NO. 10 ABOVE.
- 12. ANY LOOSE MATERIAL IN THE BOTTOM OF FOOTING TRENCHES
 CAUSED BY EXCAVATION OF THE TRENCH SHALL BE REMOVED
 OR COMPACTED TO A DENSITY EQUIVALENT TO THE UNDISTURBED
 AREAS PRIOR TO PLACING CONCRETE.
- 13. LIMIT EXCAVATION TO THE MINIMUM SIZE NECCESSARY FOR FOUNDATIONS.
- 14. EXCAVATED FOOTING TRENCHES SHALL NOT BE LEFT OPEN TO ALLOW THE ACCUMULATION OF WATER. FOOTINGS SHALL BE CONCRETED IMMEDIATELY AFTER EXCAVATION IS COMPLETED, OR IF THIS CANNOT BE DONE, 4 TO 6 INCHES OF FOUNDATION MATERIAL SHOULD NOT BE REMOVED UNTIL PREPARATIONS FOR PLACING CONCRETE ARE COMPLETE. IN NO CASE SHALL CONCRETE BE PLACED ON FOOTING TRENCHES WHICH CONTAIN WATER.
- 15. ANCHOR BOLTS SHALL BE ASTM 307 OR EQUIVALENT.
- 16. PROVIDE CONSTRUCTION JOINTS AT 25' MAXIMUM ON CENTERS.



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Drawn MDS

Checked By MDS

Project No.

Project No.
16 ROBERT BERARD

Date 09/20/2020

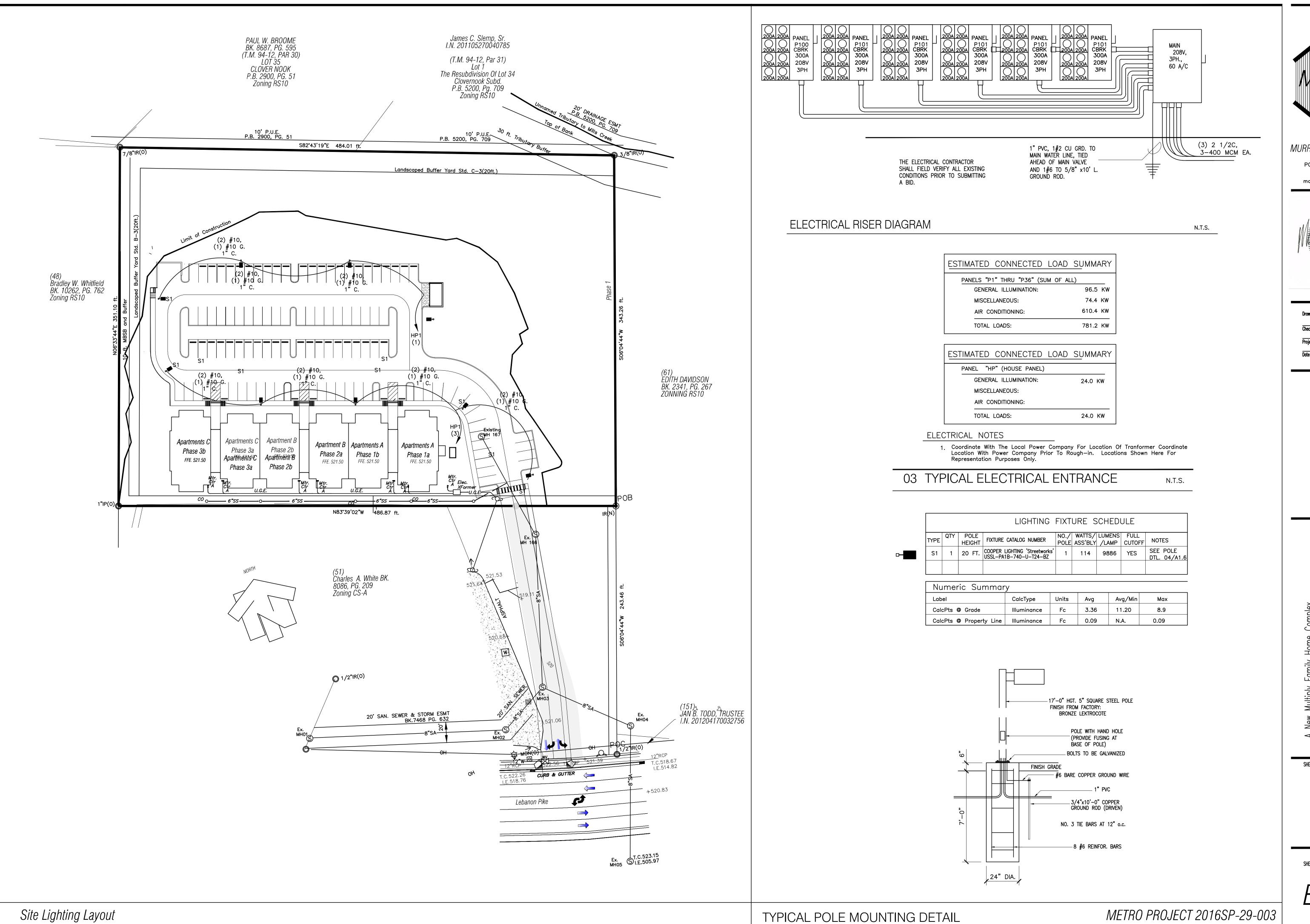
A New Multiply Family Home Comple Apartment Comcept 1636 Lebanon Pike

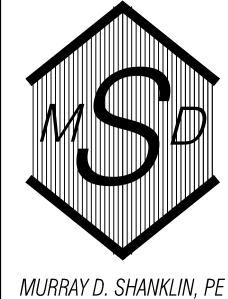
SHEET TITLE:

Retaining
Wall
Details

SHEET NO.

C13.0





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Drawn	MDS
Checked By	MDS
Project No.	
16 R	OBERT BERARD
Date	07/15/2019

Revised 06/21/2016 Revised 07/03/2016 Revised 07/15/2019

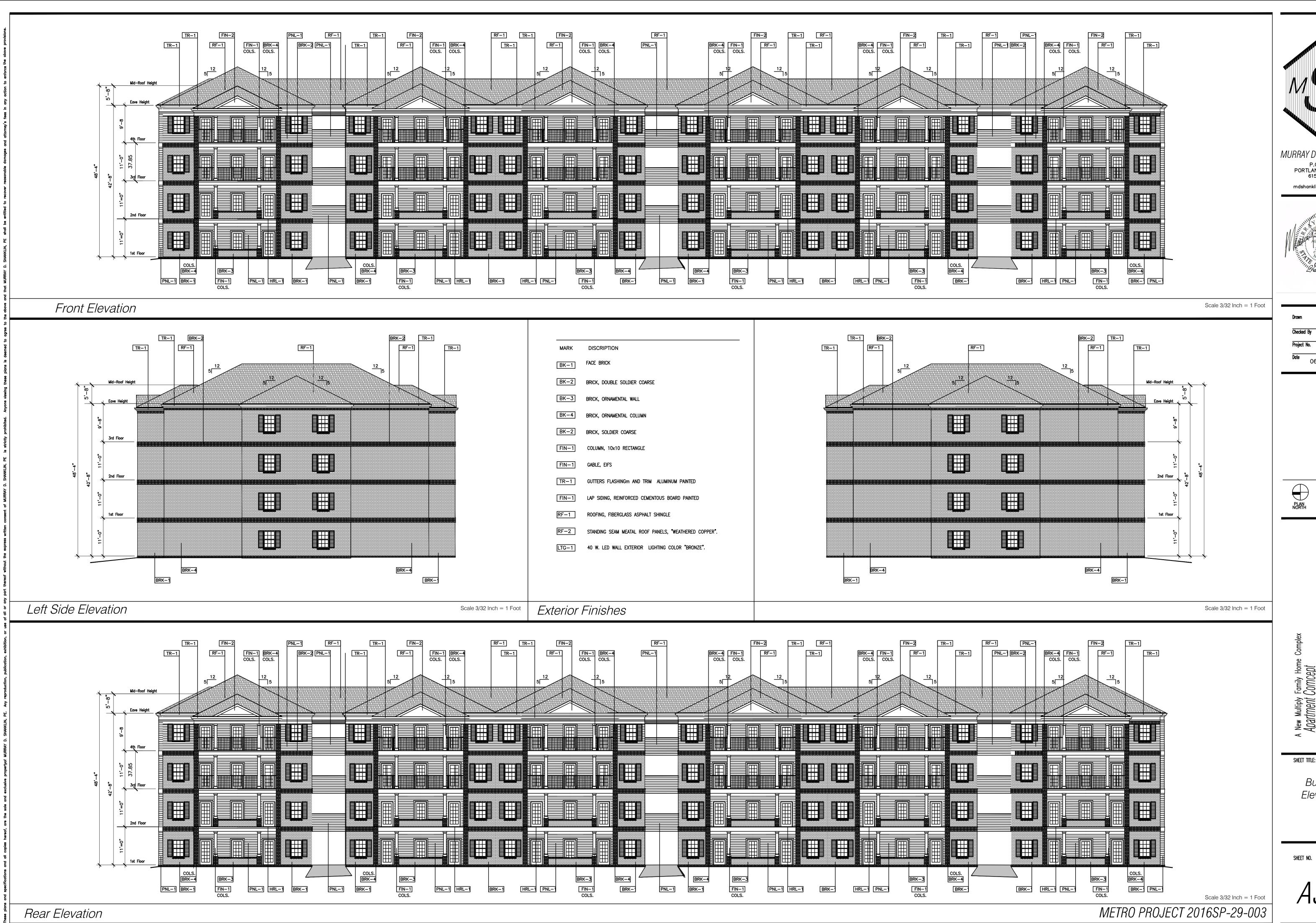
A New Multiply Family Home Apartment Comcept 1636 Lebanon Pike

SHEET TITLE:

Layout

SHEET NO.

ES1.0



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06/27/2019

NORTH KEY PLAN

A New Multiply Family Home Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000

SHEET TITLE:

Building Elevations

	PLANT LIST					
	QTY.	MARK	SPECIES	SIZE	REMARKS	
INTERIOR TREES 1 7 14 7 11 6 17 13 10 2 78	19	ENT AR	RED MAPLE Acer rubrum	2" CAL. 14'-16' HGT.	MATCHED	
	1	BR	RIVER BIRCH Betula rigro	2" CAL. 14'-16' HGT.		
	CF	FLOWER DOGWOOD Cornus florida 'white cultivar'	2" CAL. 7' MIN. HGT.	MATCHED		
	14	O _{IF}	FOSTER HOLLY llex x attenuata "Foster"	2" CAL. 7' MIN. HGT.	MATCHED	
	7	CLS	SWEET GUM Liquidambar styraciflua	2" CAL. 12'-14' HGT.		
	11	⊕ _{MG}	MAGNOLIA Magnolia grandiflora	2" CAL. 14'-16' HGT.	FULL TO BASE	
	6	AD MV	SWEETBAY MAGNOLIA Magnolia virginiana	2" CAL. 9' MIN. HGT.	FULL TO BASE	
	17	PE PE	SHORT LEAF PINE Pinus enchinata	2" CAL. 7' MIN. HGT.	FULL TO BASE	
	13	PY	YOSHINO CHERRY Prunus x yedoensis	2" CAL. 7' MIN. HGT.	WELL BRANCHED	
	10	QN	NUTTALL OAK Quercus nuttallii (texana)	2 1/2" CAL. 14'-16' HGT.	WELL BRANCHED	
	2	(3. 3 SN	BLACK WILLOW Salix nigra	2" CAL. 12'-14' HGT.		
	78	¹⁰⁰ 100 100 100 100 100 100 100 100 100	JUNIPERUS VIRGINIANA/ Easter Red Cedar	2" CAL. 6' HGT.	FULL TO BASE	
SHRUBS 45 36 153 34 80	45	O lc	JAPANESE HOLLY Juniperus chinensis	24" HGT.	FULL TO BASE	
	36	⊕ _{PL}	OTTO LUYKEN LAUREL Prunus L. 'Otto Luyken'	24"HT.	3 GAL. FULL TO BASE	
	153	⊕ _{PS}	SCHIP LAUREL Prunus L. 'Schipkaensis'	30"HT.	3 GAL. FULL TO BASE	
	34	O PV	PRAGUE VIBURNUM Viburnum praguenes	30" HGT.	3 GAL. FULL TO BASE	
	80	₩ HM	SWAMP MALLOW Hibiscus mascheulos	48" HGT.	3 GAL. SPACE AT 30"o.c	
PERENNIALS	188	₩ _{RH}	BLACK-EYED SUSAN Rudbeckia hirta	36" HGT.	PLUGS - 1 GAL SPACE AT 18"o.c	
SEDGES	560	СМ	PALM SEDGE Corex muskingumensis	36" HGT.	1 GAL. SPACE AT 24"o.c	

Landscape Design Requirements

 SITE COVERAGE RATIO: BUILDING/STRUCTURES 17,314 SF PAVEMENT 37,614 SF SIDEWALKS 4,502 SF 1,002 SF 60,432 SF PADS TOTAL IMPERMEABLE 168,520 SF TOTAL SITE TOTAL PERMEABLE 108,088 SF PERCENT PERMEABLE 64.1%

STREET TREES: DISTANCE PROPERTY ABUTTS STREET = 0.0 FT.

RATIO TO TOTAL FLOOR AREA 41.1% COMMON OPEN SPACE AREA: 6,404 SF

O STREET TREES 3. TREE PARKING REQUIREMENTS:

No. Parking Spaces 105/15 = 7 Trees

4. INTERIOR LANDSCAPE AREA:

TOTAL PARKING AREA $37,614\times0.08 = 3,009$ SF MIN.

5. TREE UNITS REQUIRED: NET SITE AREA 168,520-17,314=151,206 SF MINIMUM TREE DENSITY 151,206/43,560= 3.47 TREES PER ACRE

22*3.47=76.36 TREES

80.75

6. MINIMUM TREE DENSITY: 2" UNDERSTORY 0.25x49 = 12.252" CANOPY $0.50 \times 137 = 68.50$

METRO URBAN FORESTER.

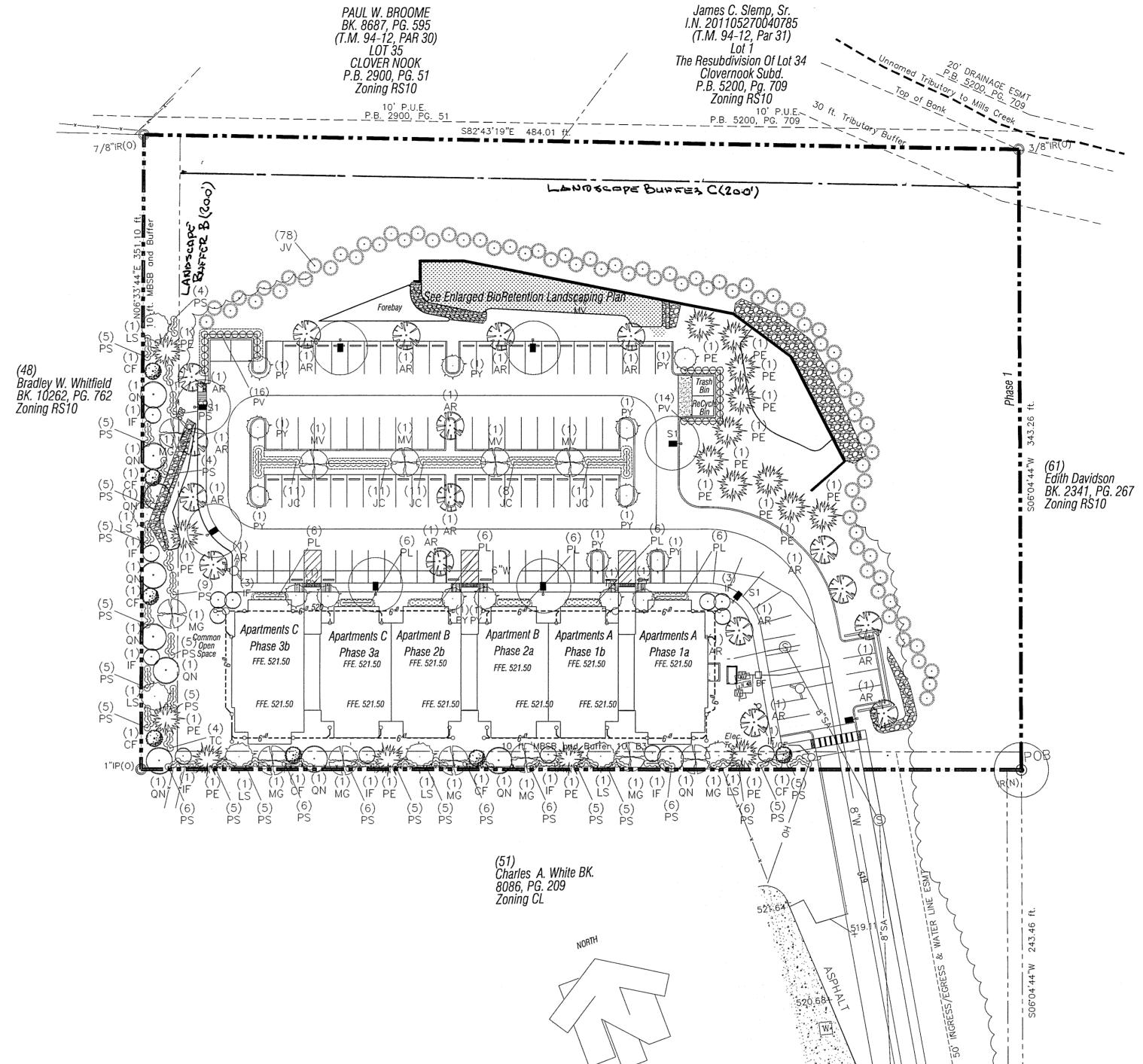
EXISTING REMAINING TREES THAT ARE HEALTHY AND ARE 4" IN CALIPER DBH OR GREATER MAY BE COUNTED AS A SUBSTITUE

PROPOSED CANOPY FOR UNDERSTORY TREES AS APPROVED BY

TOTAL PROVIDED

MULCH FINE TEXTURE DARK IN COLOR HARDWOOD BARK 3" DEPTH ALL TREES, SHRUBS & BEDS

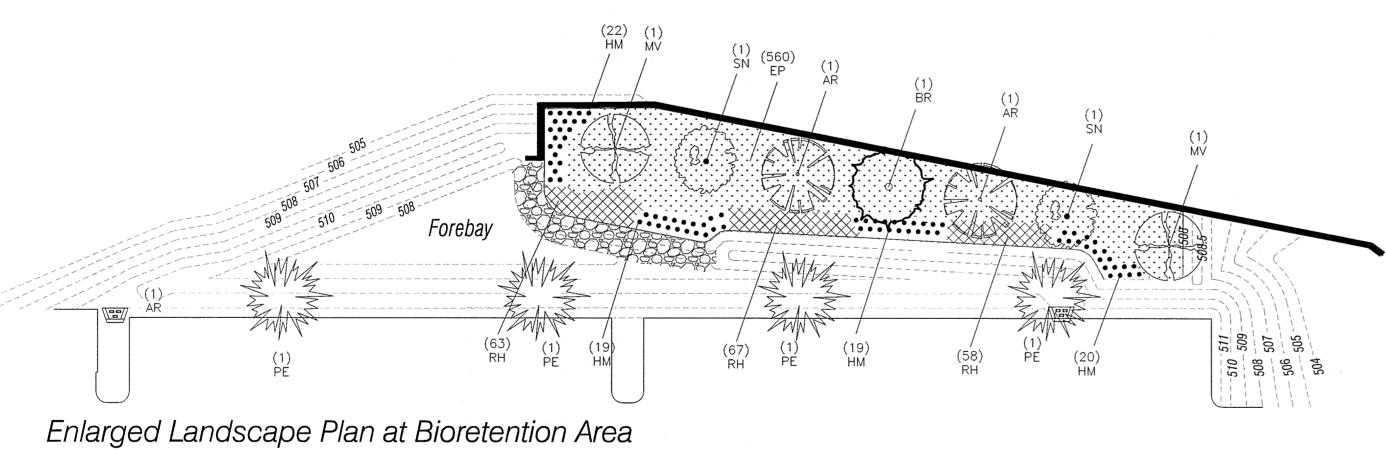
SEEDING
KY-31 FESCUE 8 LBS PER 1000 S.F. ALL DISTURBED AREAS NOT SODDED



20' SAN. SEWER & STORM ESMT BK.7468 PG. 632

+ Lebanon Pike

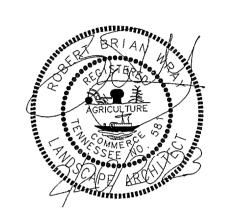
PAUL W. BROOME



(IN FEET) 1 inch = 20 ft.

Landscape Plan (IN FEET) 1 inch = 40 ft.

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Project No. 16 ROBERT BERARD 07/15/2019

Revised 07/15/2019

A New Multiply Family Home (Apartment Comcept 1636 Lebanon Pike Nashville, Tennessee Parcel No. 09400005000 a

SHEET TITLE:

(151) JAN B. TODD, TRUSTEE I.N. 201204170032756

Landscape Plan

SHEET NO.

Tree Selection Specification:

- There Shall Be No Circling Or Girdling Roots. Circling Roots Should Be Cut In At Least
- Trees Should Be Rooted Into The Root Ball So That Soil Or Media Remains Intact And Trunk And Root Ball Move As One When Lifted, But Not Root Bound. The Trunk Should Bend When Gently Pushed And Should Not Be Loose So It Pivots At Or Below Soil Line.
- The Point Where The Top—most Root In The Root Ball Emerges From The Trunk Shall Be Within Two Inches Of The Soil Surface. It Can Be Exposed And Visible At The Soil Surface. If It Is Not Within The Top Two Inches Of Soil, Gently Remove The Top Layer Of Soil From The Rootball Until The First Major Root Flare Is Visible.
- 4. The Relationship Between Caliper, Height And Rooball Size Shall Meet Ansi Z60.1 Standard, Latest Edition.
- There Should Be One Dominat Leader To The Top Of The Tree With The Largest Branches Spaced At Least 6 Inches Apart. There Can Be Two Leaders In The Top 25% Of The Tree If It Is Otherwise Of Good Quality.
- The Tree Canopy Should Be Mostly Symmetrical And Free Of Large Voids. Clear Trunk Should Be No More Than 40% Of Tree Height Unless Otherwise Specified In The Planting Specifications.
- Open Trunk And Branch Wounds Shall Be Less Than 10% Of The Circumference At The Wound And No More Than 2 Inches Tall. Properly Made Pruning Cuts Are Not Considered Open Trunk Wounds. There Should Be No Conks Or Bleeding, And There Should Be No Signs Of Insects Or Disease On More Than 5% Of The Tree.
- 8. If Any Of The Above Conditions Are Not Met, Trees May Be Rejected.

Tree Planting Specifications:

- The Depth Of The Hole Dug Should Be About 10% Less Than The Distance From The Top-most Root (measured Where It Joins The Trunk) To The Bottom Of The Root Ball. The Width Of The Hole Shall Be At Least 1.5 Times The Width Of The Rootball.
- Cut Away Burlap And Wiring So Athat At Least 1/3 Of The Rootball Is Exposed. Synthetic Burlap Shall Be Removed Entirely. All Twine And Rope Shall Be Removed From The Base Of The Tree And From Any Branches.
- After Planting, The Topmost Root Shall Be No More Than 2 Inches Below The Soil Surface. Additional Soil Should Be Removed. The Surrounding Grade Should Be Even With Or Slightly Lower Than The Top Root. Please Note: Some Trees Will Arrive From The Nursery With Too Much Soil Covering The First Major Root Flare. This Soil Should Be Removed. The Resulting Soil Line Should Be Even With Or Above The Surrounding Grade.
- 2-3 Inches Of Mulch Should Be Applied To Cover The Sides Of The Rootball To A Point Even With The Dripline. Do Not Add Any Soil To Of The Rootball. Do Not Add More Than 1 Inch Of Mulch To The Top Of The Rootball.
- In Poorly Drained Soil, Position The Top Of The Rootball 10% Or More Above The Surrounding Grade. No More Than 20% Of The Rootball Should Be Above The Surrounding Grade.
- If Trees Are Staked, Stakes Shall Not Come Into Contact With The Rootball. Guy Wires Shall Not Be Drawn Taught, But Should Supply Just Enough Tension To Prevent The Tree From Swaying A Great Deal. All Stakes, Wiring And Harnesses Shall Be Removed Within One Year Unless Otherwise Specified.

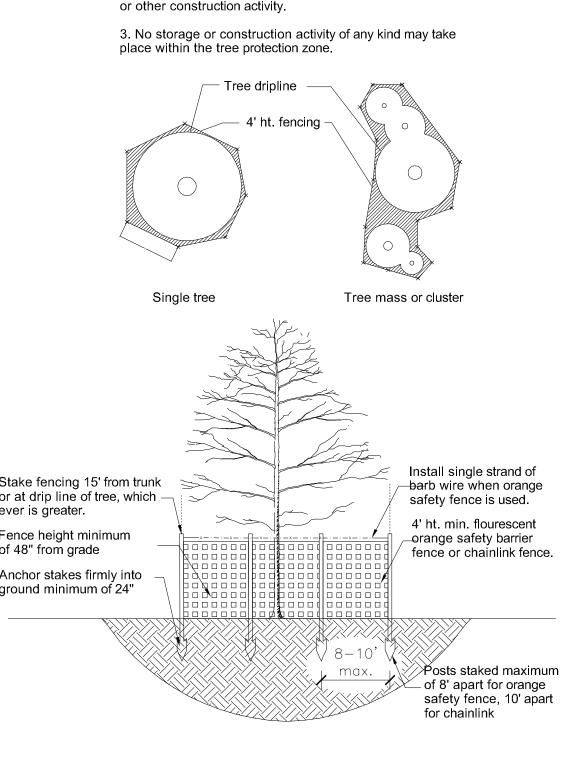
Tree Replacement Notes

- Total minimum tree density shall be 14 Tree Density Units (TDUs) per gross acre, less building coverage. Tree Density Units shall be calculated using Metro Ordinance system for calculating points for existing and proposed trees. Existing trees used for TDU credit shall be shown on the final Landscape Planting Plans with location, size (DBH), and species.
- Proposed trees used for calculating tree density shall have a minimum caliper of 2 inches and shall be a minimum of 6 feet tall.
- Trees counted for TDUs shall be protected by a chain link fence and shall be installed per detail on Detail 04 Drawing L1.1.
- Proposed tree and Shrub species shall be taken from the Metro Adopted Urban Forestry Recommended Tree and Shrub List unless otherwise approved.
- Proposed shrubs within Landscape Treatment areas shall be a minimum of 18" at the time of installation.
- Proposed trees within the Landscape Treatment area may be used for TDU credit.
- At completion, the installation of plant materials shall be inspected by the Designer of Record to verify compliance with the approved plan.
- An underground irrigation system or an approved alternate shall be installed for all proposed trees, shrubs, and ground cover.

Landscape Notes

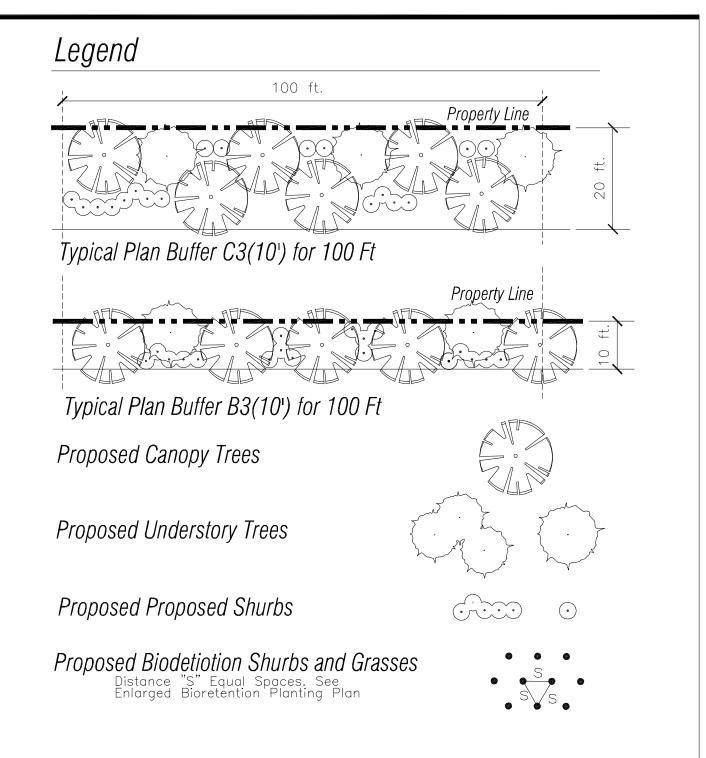
- This Project Was Designed In Accordance With Metro Nashville Davidson Tennessee Design Ordinances And Policies. It Is Recommended That Prior To Bidding Or Beginning Planting That The Contractor Be Familiar With Requirements Of This Ordinance As It Pertains To Quality Of Workmanship Plant Selection, And Inspections.
- The Plant List Is For The Convenience Of The Contractor, However, The Contractor Shall Confirm All Quantities Prior To Bidding. If The Plant List And Plan Quantities Differ, The Plan Shall Take Precendents.
- Provide Trees, Shrubs And Plants Of Quantity, Size And Genus Species And Variety Shown And Scheduled For Landscape Work And Complying With Recommendations And Requirements Of ANSI Z60.1, Latest Edition. "American Standards For Nursey Stock". Provide Healthy, Vigorous Stock, Grown In A Recognized Nursery In Accordance With Good Horticultural Practices And Free Of Disease, Insects, Eggs, Larvae And Defects Such As Knots, Sun— Scald, Injuries, Abrasions Or Disfigurement.
- Locations Of All Plant Beds And Trees To Be Staked And Approved By Owner Prior To
- Determine Location Of Underground Utilities And Perform Work In A Manner Which Will Avoid Possible Damage. Hand Excavate, As Required. Maintain Grade Stakes Set By Others Until Removal Is Mutually Agreed Upon By Parties Concerned
- If Topsoil Is Required, Provide New Topsoil Which Is Fertile, Friable Natural Loam, Surmace Soil, Reasonable Free Of Subsoil, Clay Lumps, Brush, Weed, And Other Litter, And Free Of Roots, Stumps, Stones, Larger Than 2" In Any Dimension, And Other Extraneous Or Toxic Matter Harmful To Plant Growth.
- All Groundcover Beds Shall Be Treated With A Pre—emergent Herbicide "trelan" Or Equal
- All Trees, Shrubs And Beds Shall Be Mulched With A Uniform Layer Of Hardwood Bark Mulch. The Mulch Shall Be Fine Textured, Free Of Large Pieces Or Wood Or Bark And
- 9. Beds Shall Be Shovel Edged To Form A Neat Trench 3" In Depth.
- Mulch Beds Shall Be Slightly Mounded (6") Over Adjoining Surfaces.
- Contractor To Warranty All Plantings For A Period Of One Year After Date Of Final Acceptance By Owner. Warranty To Include All Defects Including Death Of Unsatisfactory Growth, But Not Neglect Of Proper Care By Owner.

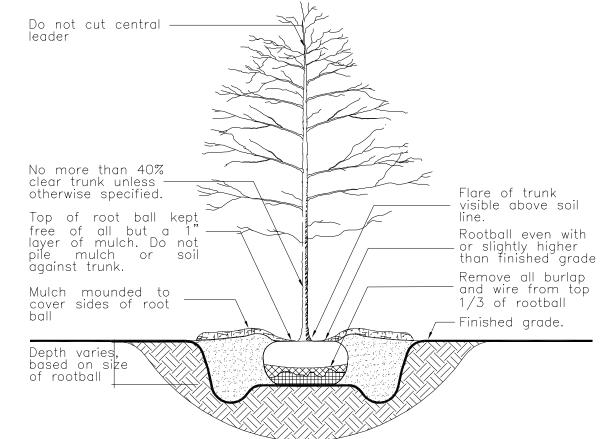
Tree Protection Fencing Notes 1. Tree protection fence shall be minimum of 4' tall and constructed of orange safety fabric or chainlink. Fence shall be mounted on vertical pipes driven 2' in the ground, at a maximum of 8' on center for safety fence or 10' for 2. Tree protection fencing shall be erected at the dripline of the tree or 15' from the trunk, whichever is greater. Fence shall be installed prior to the start of any clearing, grading or other construction activity. 3. No storage or construction activity of any kind may take place within the tree protection zone. Tree dripline 4' ht. fencing -Single tree Tree mass or cluster Stake fencing 15' from trunk or at drip line of tree, which – ever is greater. Fence height minimum of 48" from grade Anchor stakes firmly into ground minimum of 24"



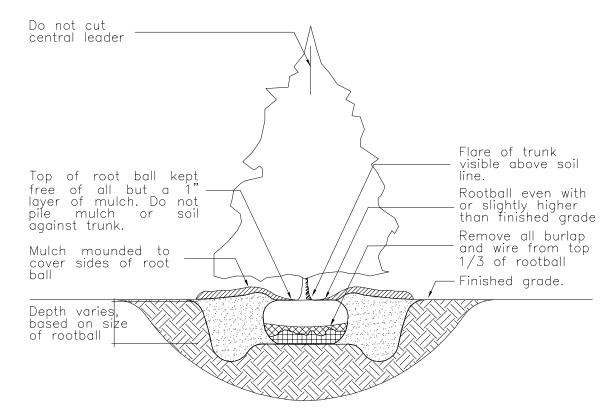
N.T.S.

04 Tree Protection Detail

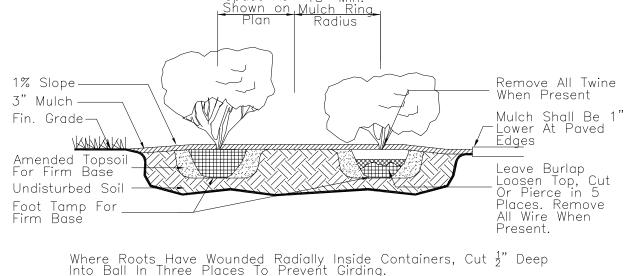




01 Deciduous Tree Planting Detail



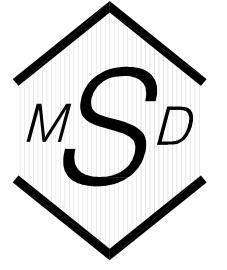
02 Evergreen Tree Planting Detail



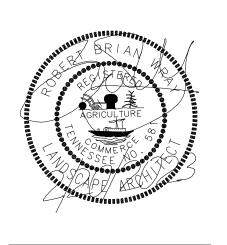
03 Shrub Planting Detail

N.T.S.

Case Number: 2016SP-29-001(10)



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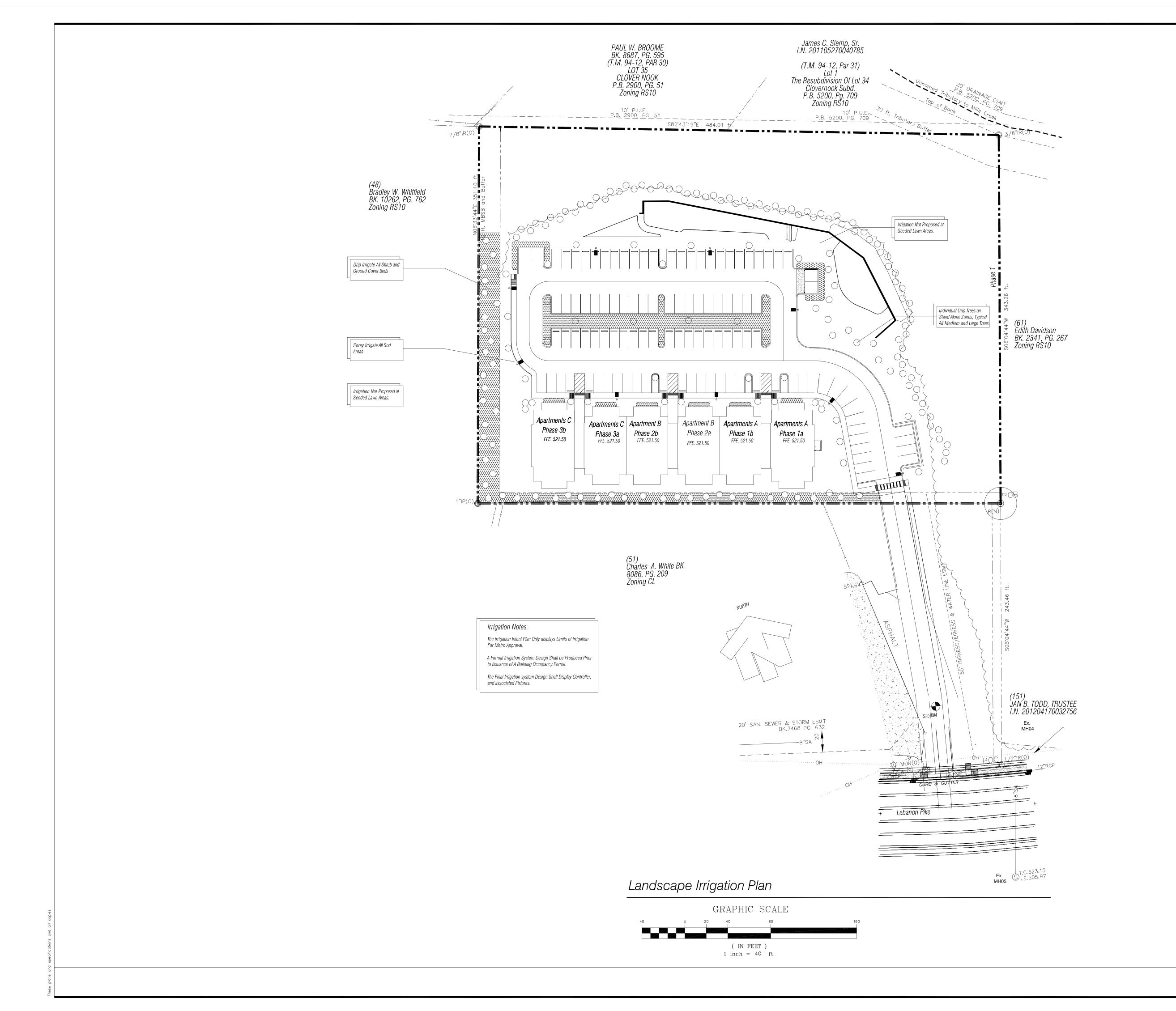
Checked By MDS 16 ROBERT BERARD Date 07/15/2019

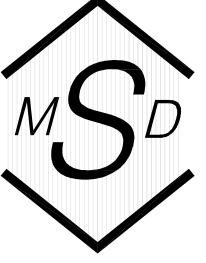
> Comcept Apartment (

Landscape

SHEET TITLE:

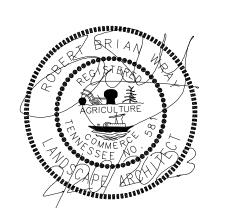
SHEET NO.





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Project No.

Project No.
16 ROBERT BERARD

Date
Revised 07/15/2019

Revised 07/15/2019

) JENNO 2014 NOANONAGON

Apartment Comcept
1636 Lebanon Pike
Nashville, Tennessee

SHEET TITLE:

Landscape Irragation Intent Plan

SHEET NO.

L1.2