METRO CASE NO. 149-66P-001

SITE DATA 1	TABLE	
	REQUIRED	PROVIDED
BUILDING SETBACKS		
FRONT: (EAST)	40 FT	176 FT
SIDE:	N/A	N/A
REAR: (WEST)	20 FT	600 FT
RETAIL CANOPY SE	TBACKS	
FRONT: (EAST)	N/A	75 FT
SIDE:	N/A	91/67 FT
REAR: (WEST)	N/A	703 FT
TRUCK CANOPY SE	TBACKS	
FRONT: (EAST)	N/A	435 FT
SIDE:	N/A	103/94 FT
REAR: (WEST)	N/A	317 FT
PARKING	•	•
PARKING - 6,344 SF GROSS FLOOR AF	REA @ 1 SPAG	CE / 200 SE
AND 1 PER PUMP (27 PUMPS FOR PHA		
PHASE I NON ACCESSIBLE PARKING	-	56
PHASE I ACCESSIBLE PARKING	3	3
PHASE I TOTAL PARKING	59	59
PHASE II NON ACCESSIBLE PARKING	-	8
PHASE II ACCESSIBLE PARKING	0	0
PHASE II TOTAL PARKING	4	8
TOTAL SPACES(PHASES I + II)	63	67
LAND USE DATA	REQUIRED	PROVIDED
SITE AREA	N/A	5.73 AC
F.A.R.	N/A	0.022
IMPERVIOUS AREA	N/A	+/- 1.31 AC
TOTAL PERVIOUS AREA	N/A	+/-4.42 AC
PUMP DENSITY	N/A	1 PUMP/ .191 AC
TOTAL # OF LOTS	N/A	1 LOT
BUILDING DAT	<u> </u> ГА	249,598.8 AC
		6 344 05
BUILDING AREA	N/A	6,344 SF
DIMENSIONS	N/A	110'X55'
HEIGHT	-	20-24 '
STORIES	3	1
CANOPY AREAS	4912 SF	7/4824 SF
ZONING - METRO GOVERNME	NT OF NASH	VILE
ZONING		IR w/ PUD
OFFSITE		
OFFSITE SIDEWALK		1680 SF
OFFSITE ROADWAY		1115 SF

1. PURPOSE NOTE: THE PURPOSE OF THIS PUD AMENDMENT IS TO DEMOLISH THE EXISTING HOTEL AND RETAIL USE AND TO CONSTRUCT AUTOMOBILE USE FOR THE ENTIRE SITE.

2. COUNCIL DISTRICT NUMBER AND COUNCILMEMBER NAME: 33 – ROBERT DUVALL

3. OWNER(S) OF RECORD: 13010 OLD HICKORY BLVD

OLD HICKORY BLVD

- 4. <u>PUD NAME:</u>
- 5. EXISTING PUD NUMBER:
- 6. <u>U.S. FEMA FIRM:</u>
- 7. EXISTING LAND USES:
- VACANT B.
- D. FAST FOOD
- A. GAS AND CONVENIENCE
- B. CEMETERY

MAT REAL ESTATE, LLC, 13000

ROSE MANAGEMENT, LLC,

COMMERCIAL PUD OVERLAY

- 149-66G
- 47037C0388F
- A. HOTEL/MOTEL
- GAS AND CONVENIENCE
- E. CEMETERY
- 8. PROPOSED LAND USES:

CHICAGO, IL 60642

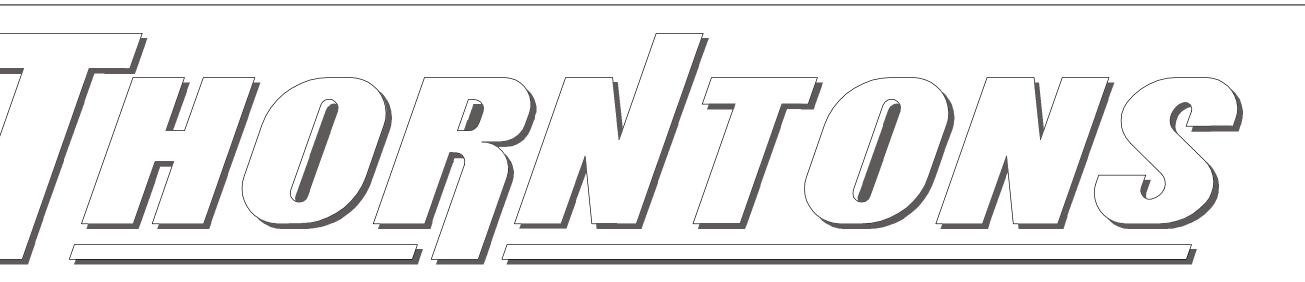
PHASING NOTE:

1. PHASE I WILL CONSIST OF DEMOLISHING THE EXISTING HOTEL AND CREATING A CONVENIENCE STORE, 20 RETAIL GAS PUMPS, 7 DIESEL

TRUCK PUMPS, AND ASSOCIATED PARKING.

2. PHASE II WILL CONSIST OF DEMOLITION OF THE EXISTING RETAIL BUILDING AND WILL CREATE A 4-SPACE PARKING AREA FOR TRUCKS AND THE ADDITION OF 4 DIESEL TRUCK PUMPS.

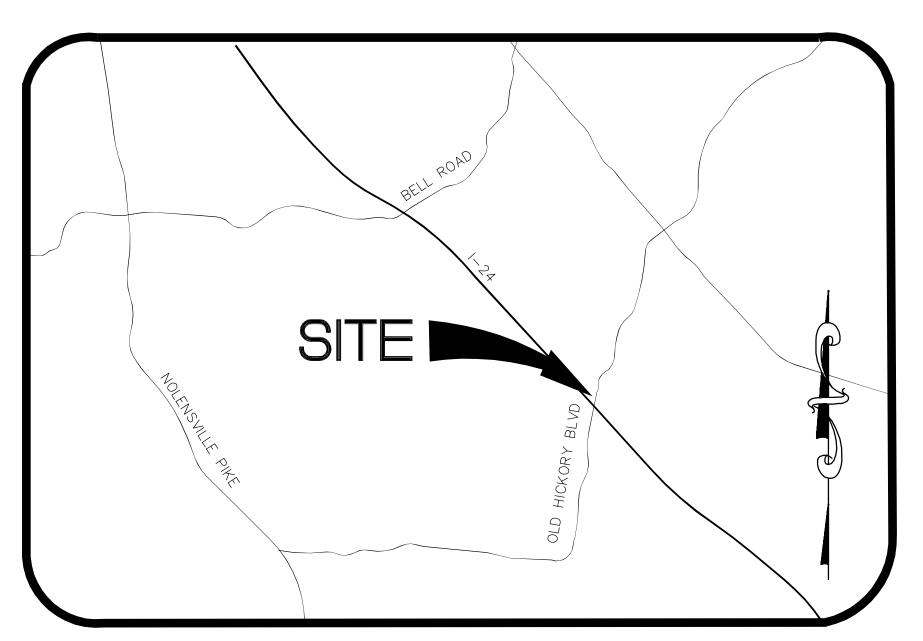
PREPARED BY: Kimley»Horn 209 Tenth Avenue South, Suite 501, Nashville, TN 37203 Main: 615.564.2701 | www.kimley-horn.com



STORE #: P1407 13000 OLD HICKORY BLVD ANTIOCH, TN

JULY 10, 2015; REVISED AUGUST 19, 2015

PUD SUBMITTAL SET



VICINITY MAP NOT TO SCALE PROJECT DESIGN TEAM

ARCHITECT DEFILIPPIS + ASSOCIATES, INC. JOE DEFILIPPIS, AIA 1000 N. HALSTEAD STREET, SUITE 205 PHONE: (312) 660-0058

BUILDING DEPT

METRO NASHVILLE CODES

800 SECOND AVE. SOUTH

METRO NASHVILLE ZONING

URBAN FORESTER

800 SECOND AVE. SOUTH

NASHVILLE .TN 37210

STEPHEN KIVETT 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-6488

PHONE: (615) 862-6608

NASHVILLE, TN 37210

PHONE: (615) 862-6520

ZONING

BILL HERBERT

WADE HILL

CIVIL KIMLEY-HORN AND ASSOCIATES, INC. ZAC DUFOUR, P.E. 209 10TH AVENUE SOUTH, SUITE 510 NASHVILLE, TN 37203 PHONE: (615) 564-2701

SURVEY HFR SURVEYING DAVID REAGAN 214 CENTERVIEW DRIVE, SUITE 300 BRENTWOOD, TN 3702 PHONE:(615) 370-8500

GEOTECHNICAL ENGINEER ECS CENTRAL, PLLC PHILIP COLLINS, PE 318 SEABOARD LANE, SUITE 208 FRANKLIN, TN 37067 PHONE: (615) 885-4983

ENVIRONMENTAL ENGINEER SHIELD ENVIRONMENTAL ASSOCIATES, INC. LEE GATTERDAM 948 FLOYD DRIVE LEXINGTON, KY 40505 PHONE: (859) 294-5155

FIRE CHIEF METRO NASHVILLE FIRE MARSHAL TONY WALLACE 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-5230

TDOT TENNESSEE DEPARTMENT OF TRANSPORTATION PHIL TRAMMELL **REGION 3 TRAFFIC ENGINEER** 660 CENTENNIAL BLVD NASHVILLE, TN 37243 PHONE: (615) 350-4300



LIST OF CONTACTS STORMWATER

PHONE: (615) 862-4705 TELEPHONE

AT&T ADAM HARRIS 333 COMMERCE STREET, 23RD FLOOR NASHVILLE, TN 37201 PHONE: (615) 214-4709

METRO WATER SERVICES STEVE MISHU 800 SECOND AVE. SOUTH NASHVILLE, TN 37210

ELECTRIC NASHVILLE ELECTRIC SERVICE LARRY KELLY 1214 CHURCH STREET NASHVILLE, TN 37246 PHONE: (615) 747-3688

WATER METRO WATER SERVICES GEORGE REAGAN 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-4572

SANITARY SEWER METRO WATER SERVICES GEORGE REAGAN 800 SECOND AVE. SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-4572

NATURAL GAS PEIDMONT NATURAL GAS CRAIG OWEN 83 CENTURY BLVD. NASHVILLE, TN 37214 PHONE: (615) 872-2403

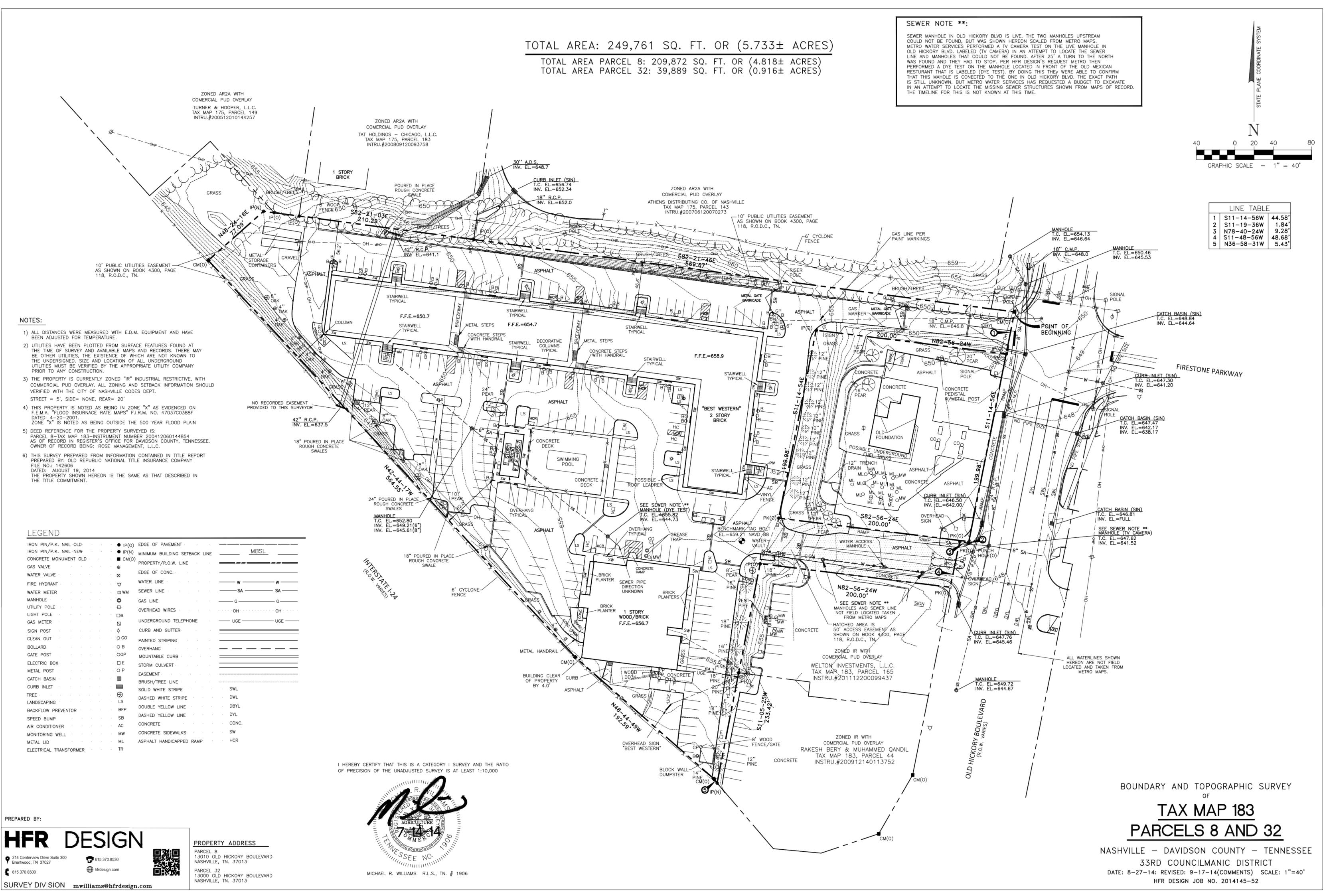
TUS	DESCRIPTION 1ST SUBMITTAL RESUBMITTAL				THORNTON'S _ OLD HICKORY BOLLEVARD
PLAN STATUS	zJD zJD				THORNTON'S _
	<u>DATE</u> 7/10/15 8/19/15				

PUD SHI	
C0-00	COVER SHEET
SURVEY (B)	(OTHERS)
C1-00	DEMOLITION PLAN
C1-10	SOILS MAP
C1-20	PUD SLOPE ANALYSIS
C2-00	LAYOUT PLAN
C2-10	TRUCK TURN PLAN
C4-00	GRADING AND DRAINAGE PLAN
C5-00	UTILITY PLAN
T1-00	TRAFFIC SIGNAL LAYOUT
T1-01	TRAFFIC SIGNAL NOTES
L1-00	
L1-01	LANDSCAPE PLAN
L1-02	LANDSCAPE PLAN
L1-50	LANDSCAPE DETAILS
L1-51	LANDSCAPE NOTES

OWNER : THORNTONS INC. **10101 LINN STATION ROAD** SUITE 200 LOUISVILLE, KY 40223 PHONE: (502) 339-8385

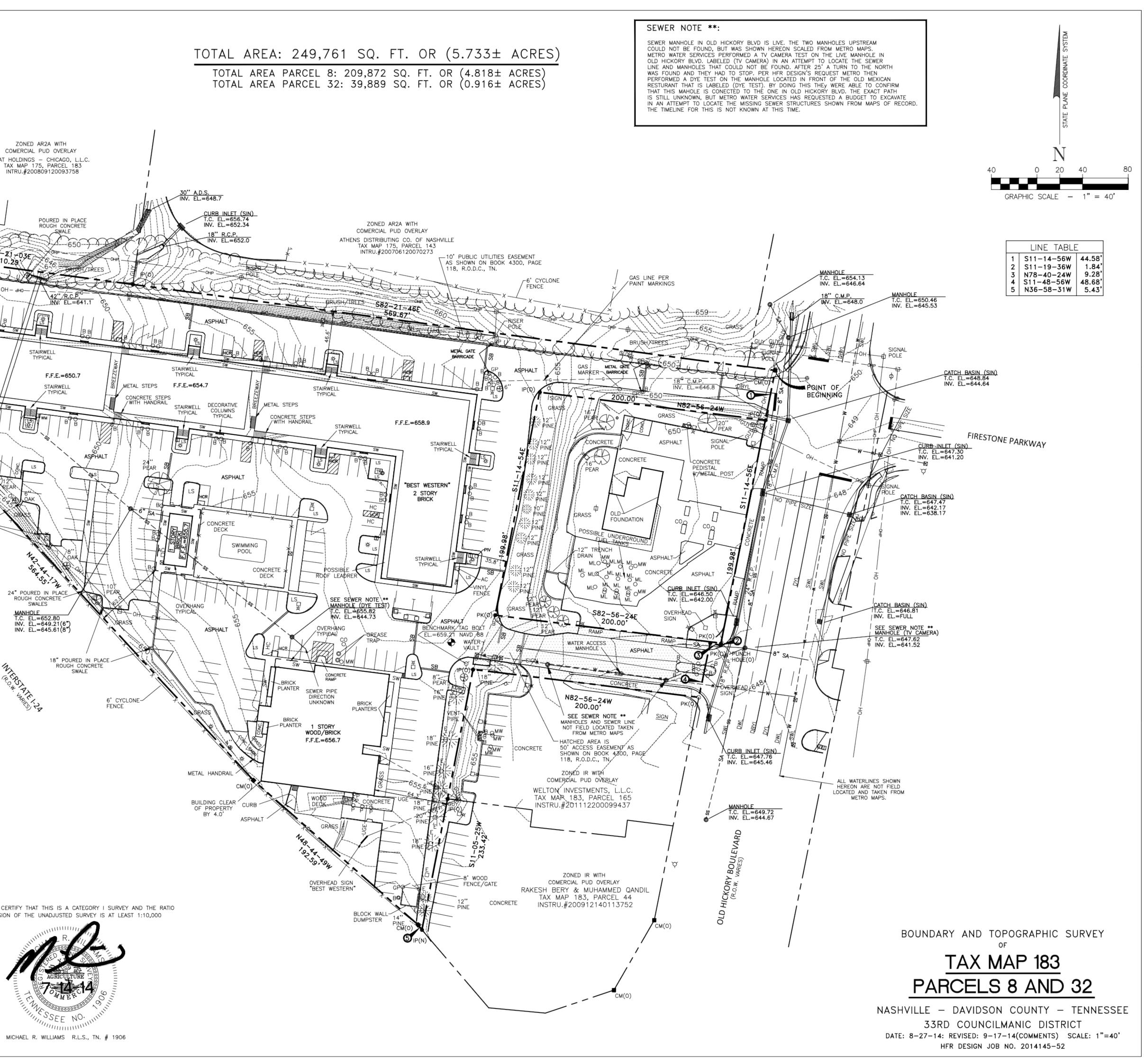


	PL	AN REV	ISION	S	
REVISION NO.	DATE	-	RE	MARKS	
FILE NUMBER		SHEET NUM	BER	TOTAL	SHEETS
148966	010	C0-0	0	10	6

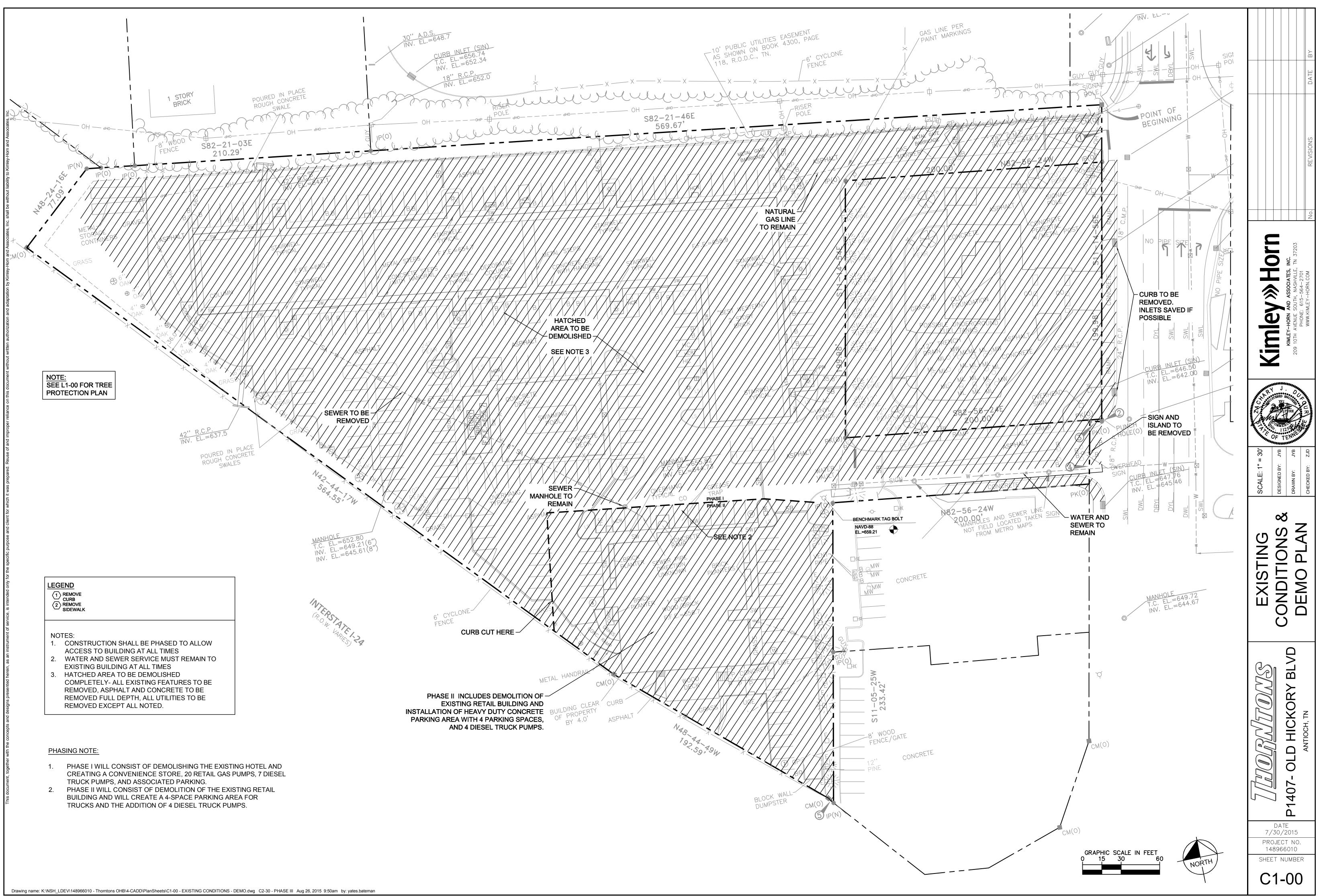


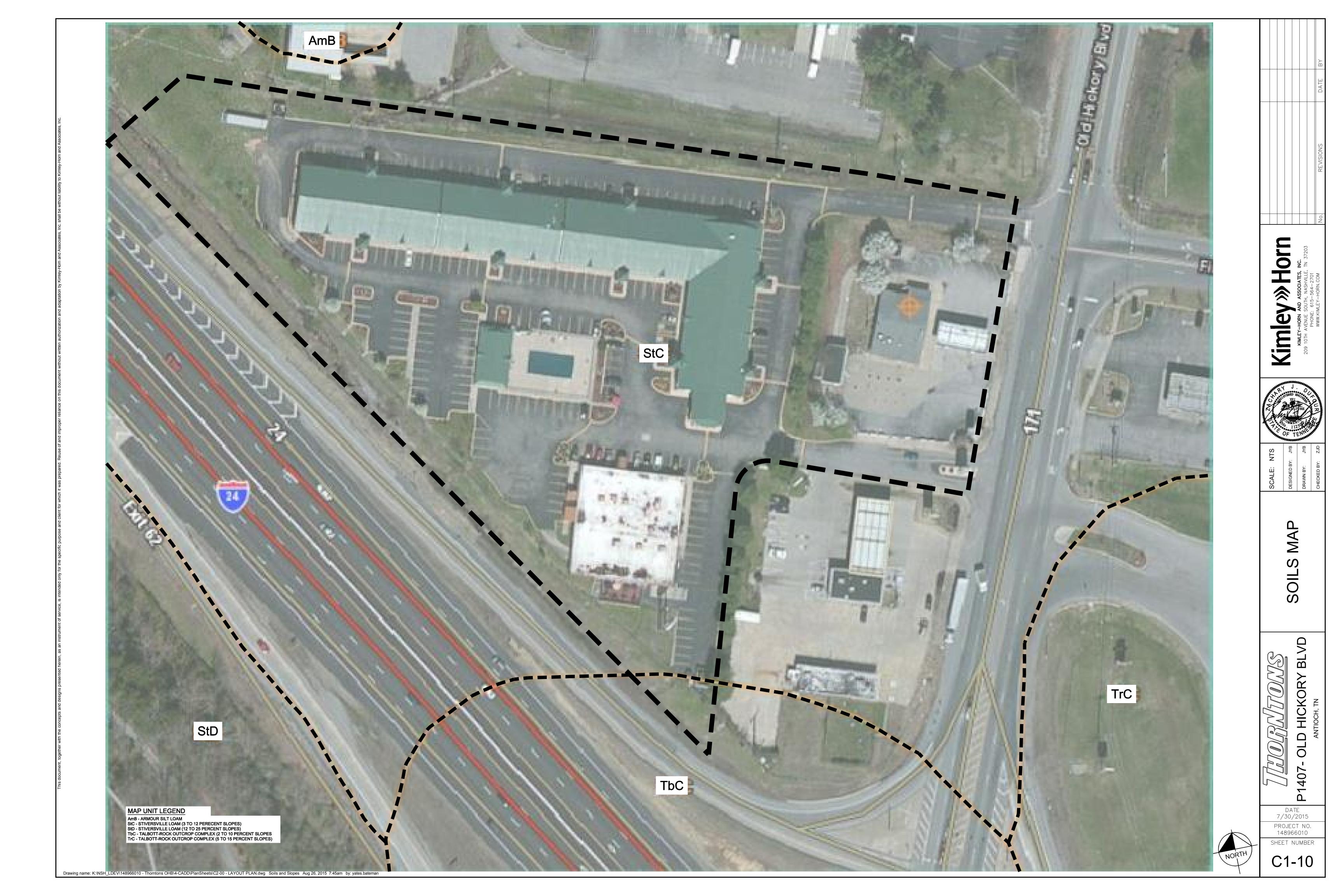
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GATE POST					,	OGP
ELECTRIC BOX	-	-	-	-		ΠE
METAL POST	-	-	-	-		ΟP
CATCH BASIN	,	,		,		mit
CURB INLET						
TREE						€€
LANDSCAPING	-	-	-	-		LS
BACKFLOW PREVEN	TOR	-	-			BFP
SPEED BUMP						SB
AIR CONDITIONER	-	-				AC
MONITORING WELL						MW
METAL LID						ML
ELECTRICAL TRANS	FORM	MER	,	-		TR

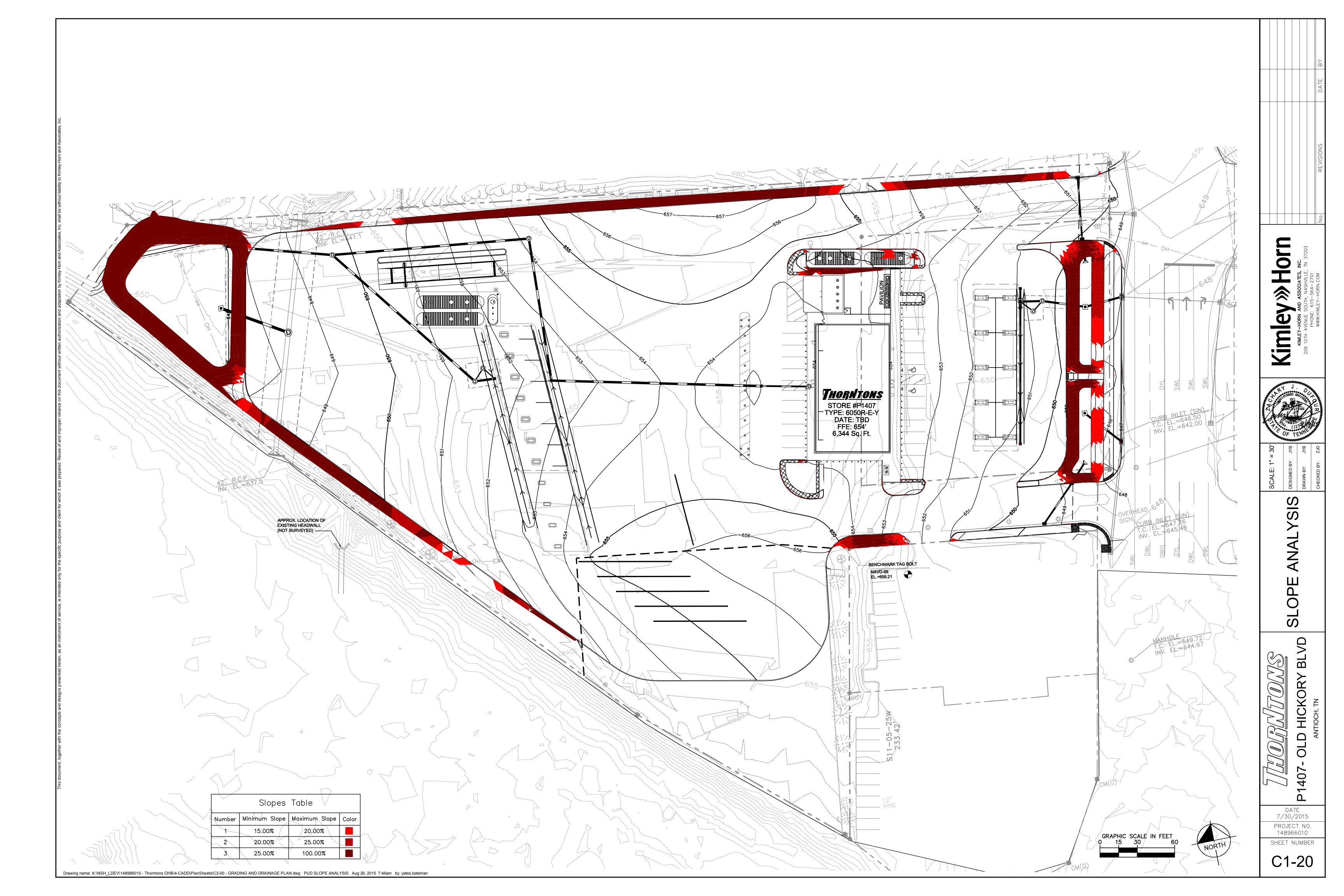
P(O)	EDGE OF PAVEMENT	_
(N)	MINIMUM · BUILDING · SETBACK LINE	
M(O)	PROPERTY/R.O.W. LINE	_
	EDGE OF CONC.	
	WATER LINE	
M	SEWER LINE	
	GAS LINE	
	OVERHEAD WIRES	,
	UNDERGROUND TELEPHONE	
	CURB AND GUTTER	
)	PAINTED STRIPING	
	OVERHANG	-
	MOUNTABLE CURB	_
	STORM CULVERT	
	EASEMENT	
	BRUSH/TREE LINE	
	SOLID WHITE STRIPE	\$
	DASHED WHITE STRIPE	[
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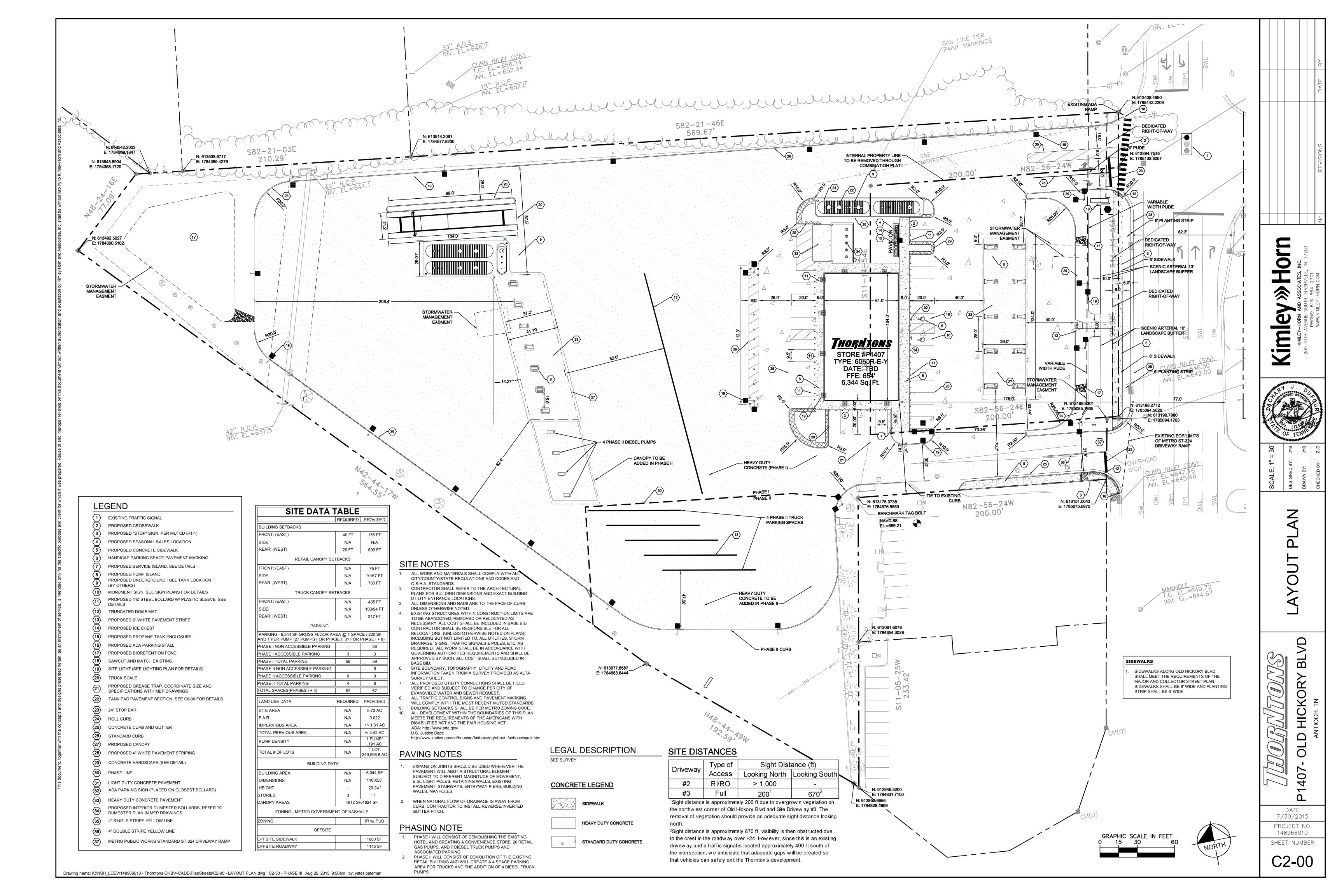


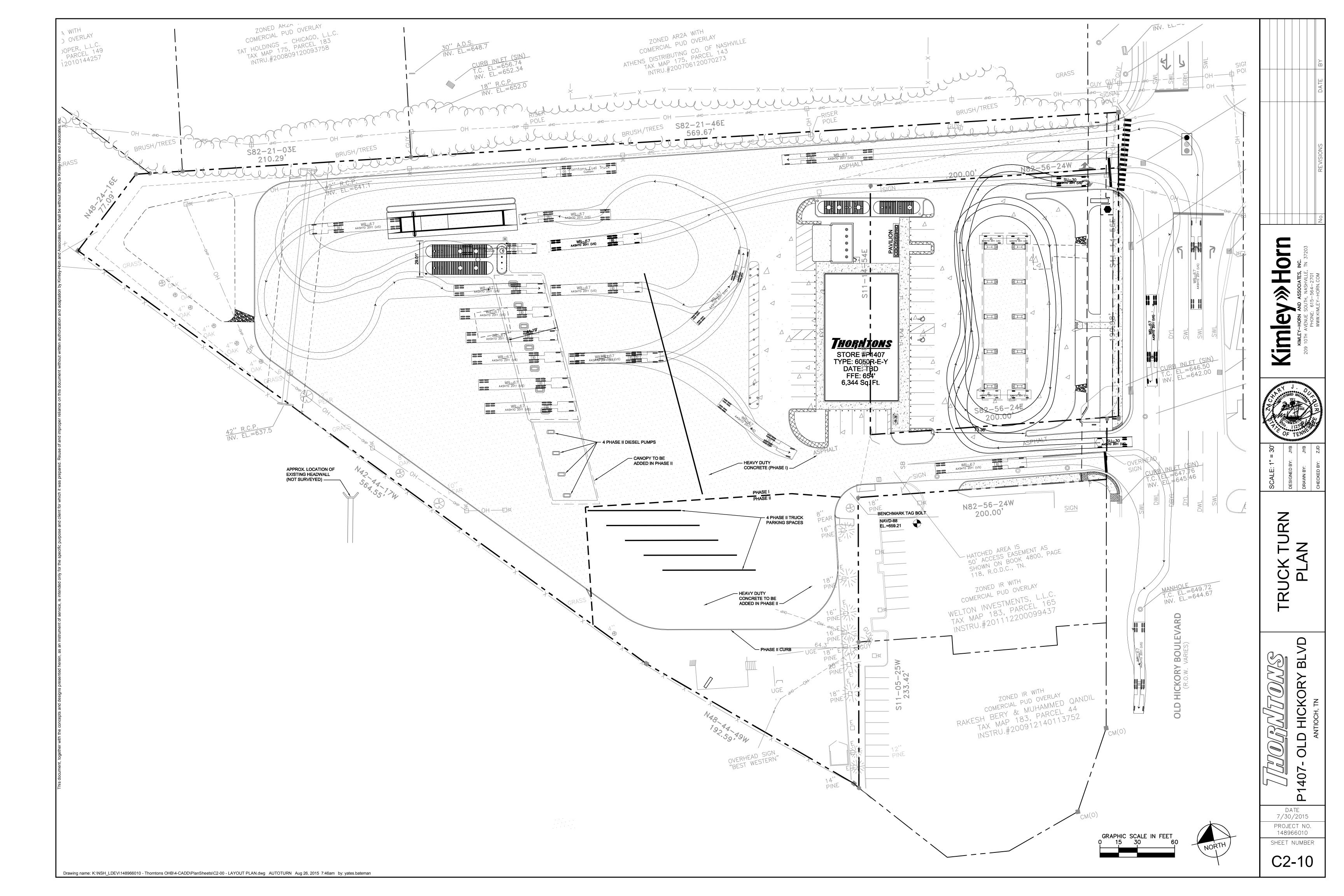
PREPARED BY:

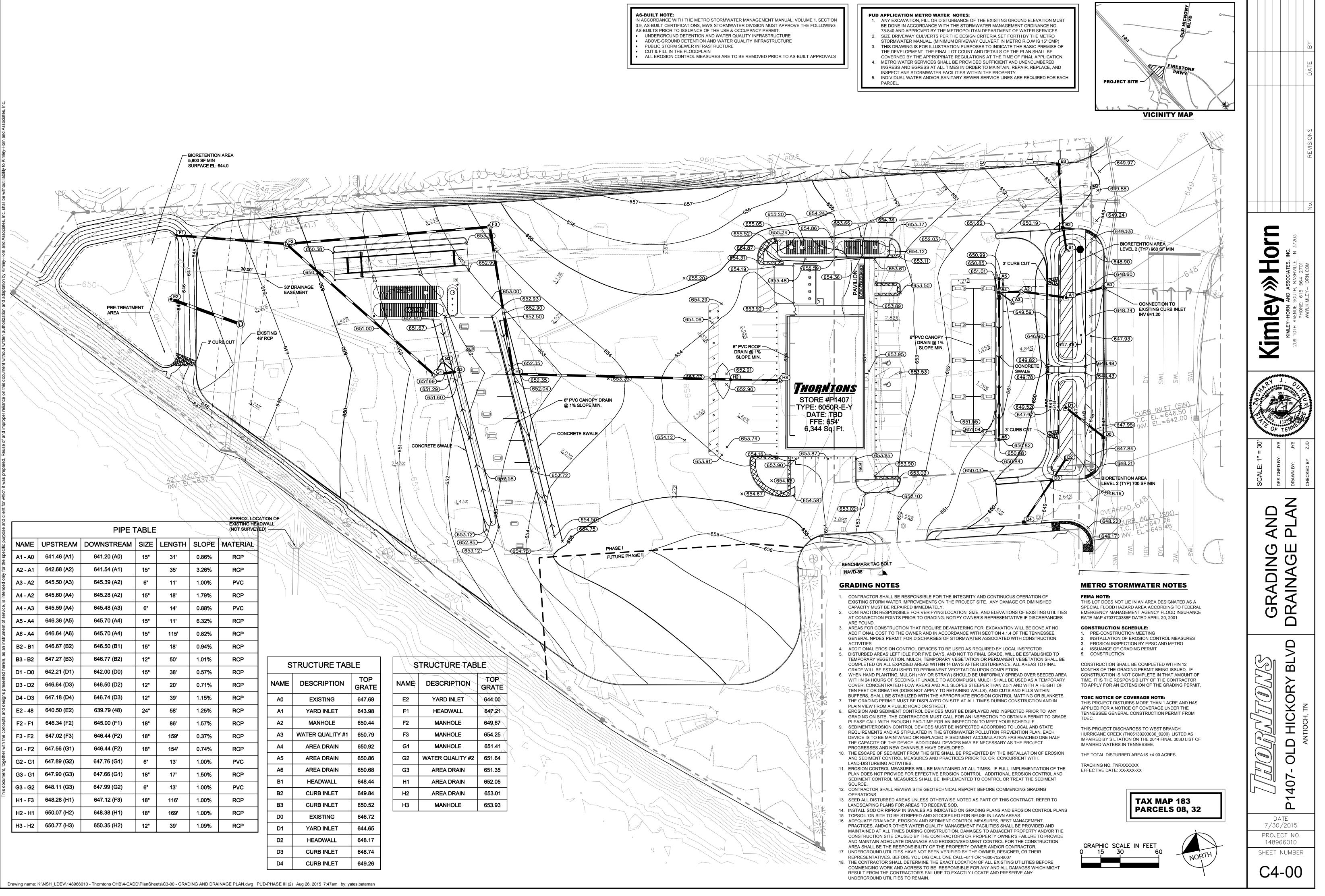








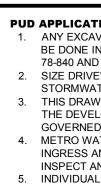


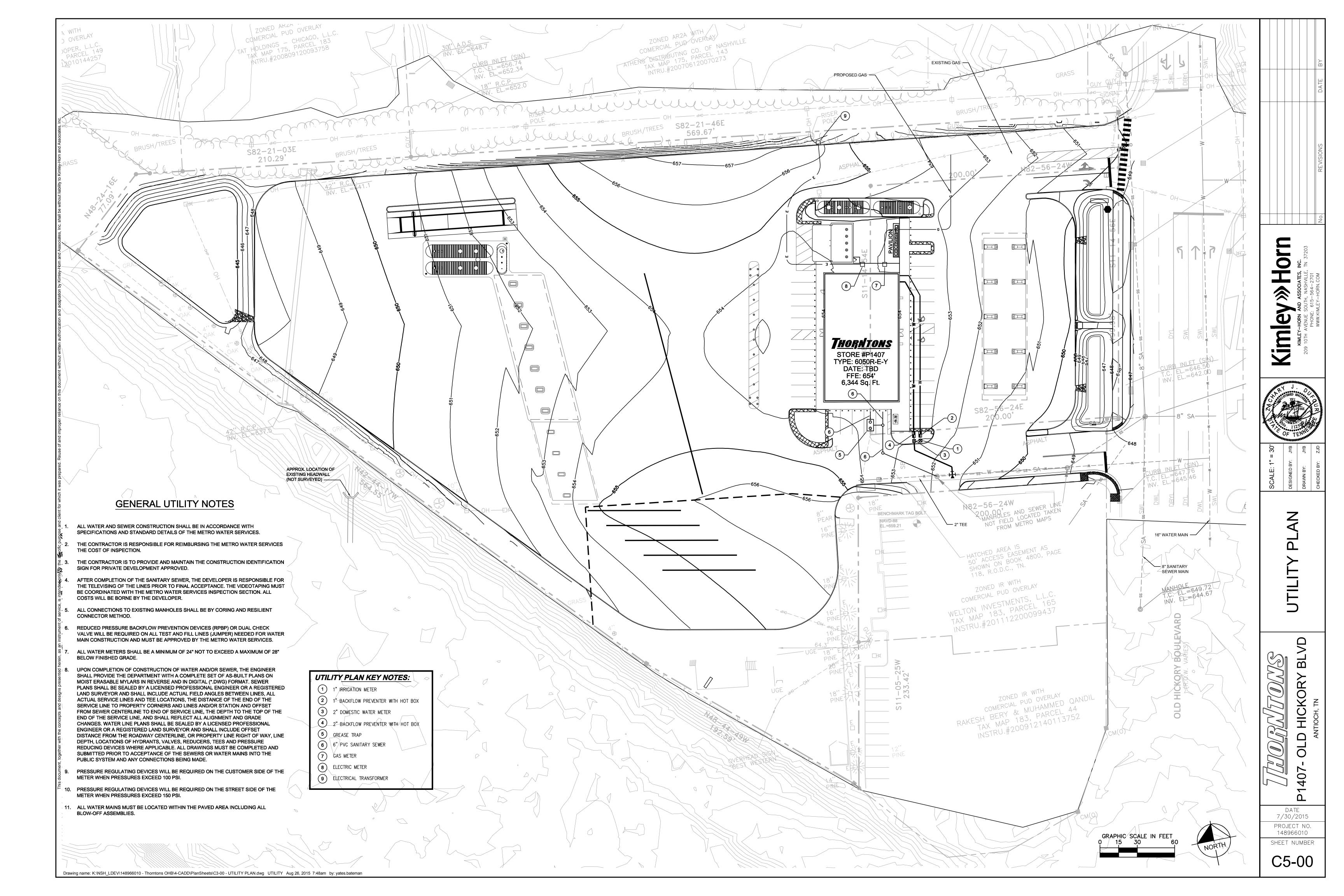


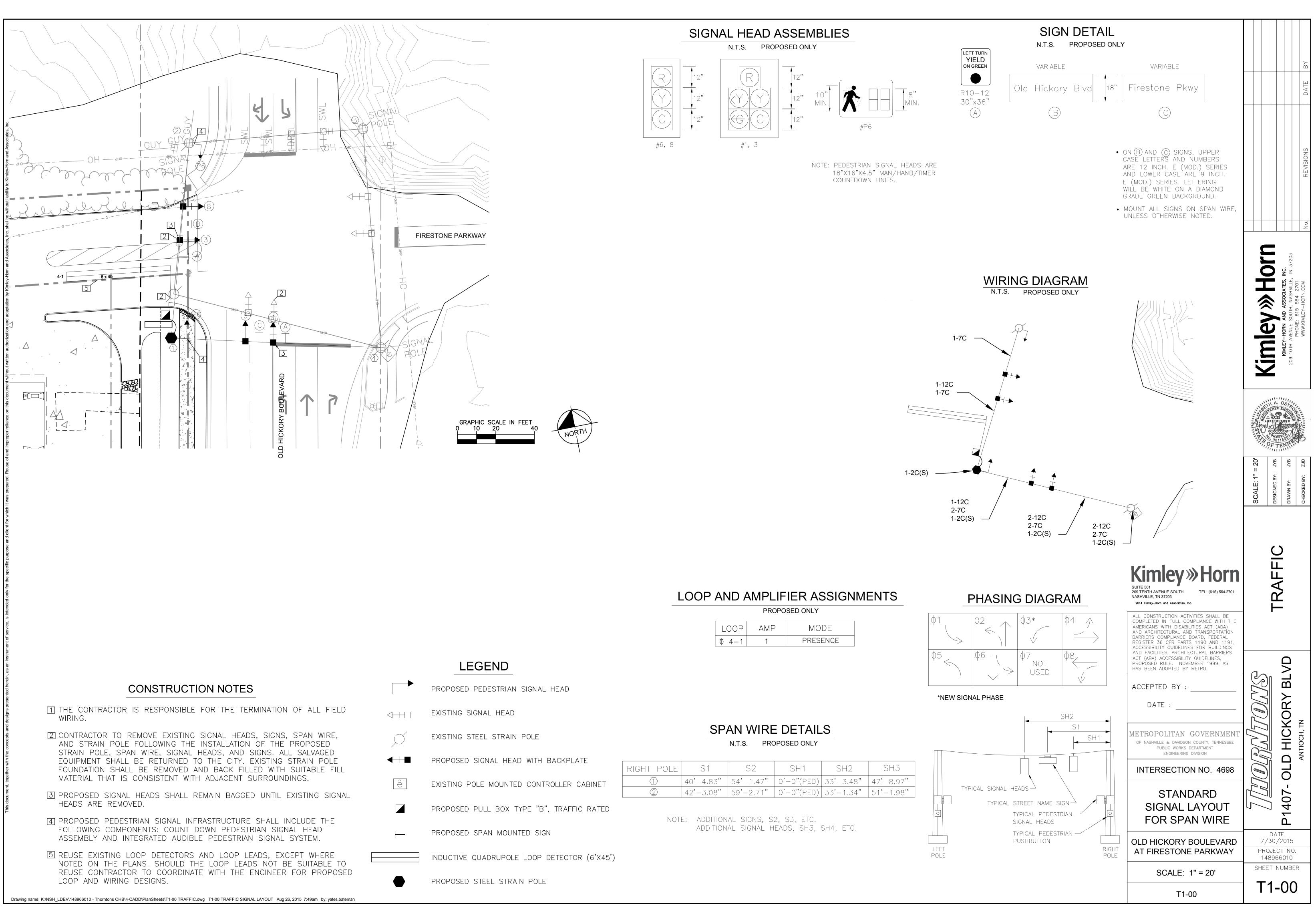
		PIPE 1	TABLE			EXISTING HE (NOT SURVE
NAME	UPSTREAM	DOWNSTREAM	SIZE	LENGTH	SLOPE	MATERIAL
A1 - A0	641.46 (A1)	641.20 (A0)	15"	31'	0.86%	RCP
A2 - A1	642.68 (A2)	641.54 (A1)	15"	35'	3.26%	RCP
A3 - A2	645.50 (A3)	645.39 (A2)	6"	11'	1.00%	PVC
A4 - A2	645.60 (A4)	645.28 (A2)	15"	18'	1.79%	RCP
A4 - A3	645.59 (A4)	645.48 (A3)	6"	14'	0.88%	PVC
A5 - A4	646.36 (A5)	645.70 (A4)	15"	11'	6.32%	RCP
A6 - A4	646.64 (A6)	645.70 (A4)	15"	115'	0.82%	RCP
B2 - B1	646.67 (B2)	646.50 (B1)	15"	18'	0.94%	RCP
B3 - B2	647.27 (B3)	646.77 (B2)	12"	50'	1.01%	RCP
D1 - D0	642.21 (D1)	642.00 (D0)	15"	38'	0.57%	RCP
D3 - D2	646.64 (D3)	646.50 (D2)	12"	20'	0.71%	RCP
D4 - D3	647.18 (D4)	646.74 (D3)	12"	39'	1.15%	RCP
E2 - 48	640.50 (E2)	639.79 (48)	24"	58'	1.25%	RCP
F2 - F1	646.34 (F2)	645.00 (F1)	18"	86'	1.57%	RCP
F3 - F2	647.02 (F3)	646.44 (F2)	18"	159'	0.37%	RCP
G1 - F2	647.56 (G1)	646.44 (F2)	18"	154'	0.74%	RCP
G2 - G1	647.89 (G2)	647.76 (G1)	6"	13'	1.00%	PVC
G3 - G1	647.90 (G3)	647.66 (G1)	18"	17'	1.50%	RCP
G3 - G2	648.11 (G3)	647.99 (G2)	6"	13'	1.00%	PVC
H1 - F3	648.28 (H1)	647.12 (F3)	18"	116'	1.00%	RCP
H2 - H1	650.07 (H2)	648.38 (H1)	18"	169'	1.00%	RCP
H3 - H2	650.77 (H3)	650.35 (H2)	12"	39'	1.09%	RCP

S	TRUCTURE TAB	LE
NAME	DESCRIPTION	TOP GRATE
A0	EXISTING	647.69
A1	YARD INLET	643.98
A2	MANHOLE	650.44
A3	WATER QUALITY #1	650.79
A4	AREA DRAIN	650.92
A5	AREA DRAIN	650.86
A6	AREA DRAIN	650.68
B1	HEADWALL	648.44
B2	CURB INLET	649.84
B3	CURB INLET	650.52
D0	EXISTING	646.72
D1	YARD INLET	644.65
D2	HEADWALL	648.17
D3	CURB INLET	648.74
D4	CURB INLET	649.26

S	
NAME	
E2	
F1	
F2	
F3	
G1	
G2	W
G3	
H1	
H2	







LOOP	AMP	MODE
0 4−1	1	PRESENCE

RIGHT POLE	S1	S2	SH1	SH2	SH3
$\langle 1 \rangle$	40'-4.83"	54'-1.47"	0'-0"(PED)	33'-3.48"	47'-8.97"
$\langle 2 \rangle$	42'-3.08"	59'-2.71"	0'-0"(PED)	33'-1.34"	51'-1.98"

Image: Steel Strain Pole 32'-0" ** ** FASE OF Pole ** Image: Steel Strain Pole 32'-0" 24'-0" S x'-x" x FT'LB Image: Steel Strain Pole 32'-0" 25'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" 25'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" Steel Strain Pole 32'-0" E x'-x" x FT'LB Image: Steel Strain Pole 32'-0" Stael Steel Strain Pole 32'-0" Stael Steel Strain Pole 32'-0" Stael Steel S
SPAN W RE. * * PROVIDED FOR ESTIMATION PURPOSES ONLY. CONTRACTOR SHALL SUBVIT SIGNAL PO FOOING DESIGN CALCULATIONS ALONG WITH SHOP DRAWINGS FOR APPROVAL PRIOR IN FABRICATION. DESIGN SHALL BE BASED UPON AASHTO LOADING AND DESIGN CRITERIA PUBLISHED IN THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUWINAIRES AND TRAFFIC SIGNALS". Image: Structure of the str
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sag in the length of the span wire and a
SAFELY FACTOR OF 3.
ESTIMATED QUANTITIES
ITEM NO. DESCRIPTION QUANTITY
713–15.08 SUSPENDED FLAT SHEET ALUMINUM SIGN (0.100" THICK) 4
730–01.02 REMOVAL OF SIGNAL EQUIPMENT 1
730-02.09SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)2730-02.17SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) - LEFT2
730-02.09 SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) 2 730-02.17 SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) - LEFT 2 730-03.21 INSTALL PULL BOX (TYPE B) 1 730-08.03 SIGNAL CABLE - 7 CONDUCTOR 370
730-02.09 SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) 2 730-02.17 SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) - LEFT 2 730-03.21 INSTALL PULL BOX (TYPE B) 1 730-08.03 SIGNAL CABLE - 7 CONDUCTOR 370 730-08.05 SIGNAL CABLE - 12 CONDUCTOR 190 730-09.01 SPAN WIRE ASSEMBLY (22,300 LBS.MIN.BRK STRENGTH) 220
730-02.09 SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) 2 730-02.17 SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) - LEFT 2 730-03.21 INSTALL PULL BOX (TYPE B) 1 730-08.03 SIGNAL CABLE - 7 CONDUCTOR 370 730-08.05 SIGNAL CABLE - 12 CONDUCTOR 190 730-09.01 SPAN WIRE ASSEMBLY (22,300 LBS.MIN.BRK STRENGTH) 220 730-12.02 CONDUIT 2" DIAMETER (PVC) 10 730-13.08 VEHICLE DETECTOR (2-CHANNEL, RACK MOUNT) 1
730-02.09 SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE) 2 730-02.17 SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE) - LEFT 2 730-03.21 INSTALL PULL BOX (TYPE B) 1 730-08.03 SIGNAL CABLE - 7 CONDUCTOR 370 730-08.05 SIGNAL CABLE - 12 CONDUCTOR 190 730-09.01 SPAN WIRE ASSEMBLY (22,300 LBS.MIN.BRK STRENGTH) 220 730-12.02 CONDUIT 2" DIAMETER (PVC) 10
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Drawing name: K:\NSH_LDEV.148966010 - Thorntons OHB\4-CADD\PlanSheets\T1-00 TRAFFIC.dwg T1-01 TRAFFIC SIGNAL NOTES Aug 26, 2015 7:49am by: yates.bateman

1. ALL CONSTRUCTION, EQUIPMENT, AND INSTALLATION PROCEDURES SHALL COMPLY WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SIGNAL INSTALLATION AND EQUIPMENT SHALL COMPLY WITH SECTION 730N-TRAFFIC SIGNALS. ALL PAVEMENT MARKINGS SHALL COMPLY WITH SECTION 716-PAVEMENT MARKINGS.

2. THE CONTRACTOR SHALL SUBMIT A MATERIALS LIST TO MDPW FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION (MIKE DAVIS, MDPW, 615-862-8766).

3. INITIAL SIGNAL TIMINGS ARE TO BE PROVIDED BY MDPW. THE CONTRACTOR SHALL NOTIFY MDPW A MINIMUM OF THIRTY (30) DAYS PRIOR TO ACTIVATION OF THE TRAFFIC SIGNAL.

4. CONSTRUCT THE CONTROLLER CABINET AND FOUNDATION IN ACCORDANCE WITH TDOT STANDARD DRAWINGS. AN APPROPRIATE CABINET AND FOUNDATION SHALL BE INSTALLED.

5. THE CONTRACTOR SHALL CONNECT THE EXISTING SIGNAL COMMUNICATIONS CABLE TO THE NEW TRAFFIC SIGNAL CONTROLLER CABINET. THE CONNECTION SHALL BE MADE BY SPLICING THE EXISTING CABLE IN A MANNER ACCEPTABLE TO MDPW. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH MDPW AND RECEIVE MDPW APPROVAL PRIOR TO SPLICING THE EXISTING CABLE.

6. ALL UTILITY LOCATIONS, AS SHOWN, ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY. SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM. INC., AT 1-800-351-111.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ELECTRICAL SERVICE TO THE SITE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL UTILITIES FOR ANY "MAKE READY" WORK REQUIRED. THE CONTRACTOR SHALL INCLUDE COST OF "MAKE READY" WORK, IF ANY, IN THE BID.

9. CONTRACTOR SHALL INSTALL A 50 AMP, 2 POLE WEATHERPROOF EXTERNAL DISCONNECT ON THE POLE WITH A/C SERVICE CONNECTION. ENCLOSURE SHALL BE METALLIC WITH A 50 AMP SINGLE POLE CIRCUIT BREAKER.

10. VEHICLE DETECTION LOOPS SHALL MEASURE 6' X 45' WITH TWO TURNS OF WIRE, UNLESS SPECIFIED OTHERWISE. LOOPS SHALL BE CENTERED IN THE TRAVEL LANES. LOOPS SHALL BE INSTALLED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, UNLESS OTHERWISE NOTED.

11. ALL EQUIPMENT NECESSARY FOR VIDEO DETECTION SHALL BE FURNISHED AND INSTALLED IN THE CABINET.

12. TRAFFIC SIGNAL SUPPORT POLES SHALL BE TDOT STANDARD ROUND, TAPERED, GALVANIZED STEEL STRAIN POLES IN ACCORDANCE WITH TDOT STANDARD DRAWINGS.

13. ALL FOUNDATIONS SHALL HAVE A SPARE 3–INCH STUBOUT PARALLEL TO THE ROAD (POLES AND CONTROLLER).

14. THE PROPOSED LOCATIONS FOR THE SIGNAL SUPPORT POLES, AS SHOWN ON THESE PLANS, ARE APPROXIMATE. SOME FIELD ADJUSTMENT MAY BE REQUIRED IN ORDER TO AVOID CONFLICT WITH EITHER OVERHEAD OR UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND STAKING THE OPTIMUM LOCATIONS FOR THESE POLES AND FOR RECEIVING APPROVAL FROM THE ENGINEER AND THE APPROPRIATE UTILITIES BEFORE INSTALLATION BEGINS. PROPER ROADSIDE CLEAR ZONES SHALL BE OBSERVED. 15. SHAFTS FOR FOOTINGS SHALL BE DRILLED THROUGH FIRM, UNDISTURBED, UNSATURATED SOIL AND SHALL BE VISUALLY INSPECTED BY THE ENGINEER OR ENGINEERING REPRESENTATIVE PRIOR TO PLACEMENT OF REINFORCEMENT. THE ENGINEER OR ENGINEERING REPRESENTATIVE SHALL BE ADVISED BY THE CONTRACTOR OF ANY GROUND WATER OR LOOSE SOIL ENCOUNTERED DURING DRILLING. FOOTINGS SHALL COMPLY WITH TDOT STANDARD DRAWINGS.

16. ANY SIGNAL HEADS VISIBLE TO DRIVERS BUT NOT OPERATIONAL SHALL BE COMPLETELY COVERED.

17. SIGNAL HEADS SHALL FLASH A MINIMUM OF SEVEN (7) DAYS PRIOR TO ACTIVATION OF THE TRAFFIC SIGNAL, UNLESS OTHERWISE SPECIFIED BY MDPW TRAFFIC ENGINEER.

18. IF FIELD ADJUSTMENTS RESULT IN CHANGES TO SIGNAL HEAD PLACEMENT, ATTACHMENT HEIGHTS, OR SPAN WIRE/MAST ARM LENGTH, THE ENGINEER SHALL BE ADVISED AND SHOP DRAWINGS SHALL BE RE-EVALUATED TO VERIFY THAT THE CHANGES ARE STRUCTURALLY ACCEPTABLE.

19. ALL STOP LINES, CROSSWALK LINES, AND PAVEMENT ARROWS SHALL BE THERMOPLASTIC. STOP LINES SHALL BE 24 INCHES WIDE. ALL CONFLICTING MARKINGS SHALL BE REMOVED USING AN ACCEPTABLE METHOD AS SPECIFIED BY TDOT SPECIFICATION SECTION 712-TEMPORARY TRAFFIC CONTROL. EXISTING PAVEMENT MARKINGS SHALL BE REAPPLIED AS NECESSARY.

20. STREET NAME SIGNS ARE TO BE PROVIDED BY MDPW AND INSTALLED BY CONTRACTOR. CONTACT MDPW SIGN SHOP A MINIMUM OF TWO WEEKS PRIOR TO EXPECTED SIGN INSTALLATION DATE FOR SIGN PREPARATION.

21. ALL ITEMS INSTALLED WITHIN THE PEDESTRIAN PATH OF TRAVEL (I.E. SIDEWALK) SHALL MEET THE METRO PUBLIC WORKS STANDARD DETAILS. THIS INCLUDES A MINIMUM PATH OF TRAVEL WIDTH OF 60" AND A PROTRUDING OBJECT LIMIT OF 4" IF MOUNTED AT A HEIGHT BETWEEN 27" AND 80" AND WITHIN THE PATH OF TRAVEL. VARIANCES MUST BE APPROVED BY MDPW.

22. EXISTING SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR. ALL SALVAGED EQUIPMENT TO BE RETURNED TO MDPW.

23. EXISTING SIGNAL EQUIPMENT SHALL REMAIN IN OPERATION UNTIL NEW SIGNAL EQUIPMENT IS COMPLETE AND IN FULL OPERATION.

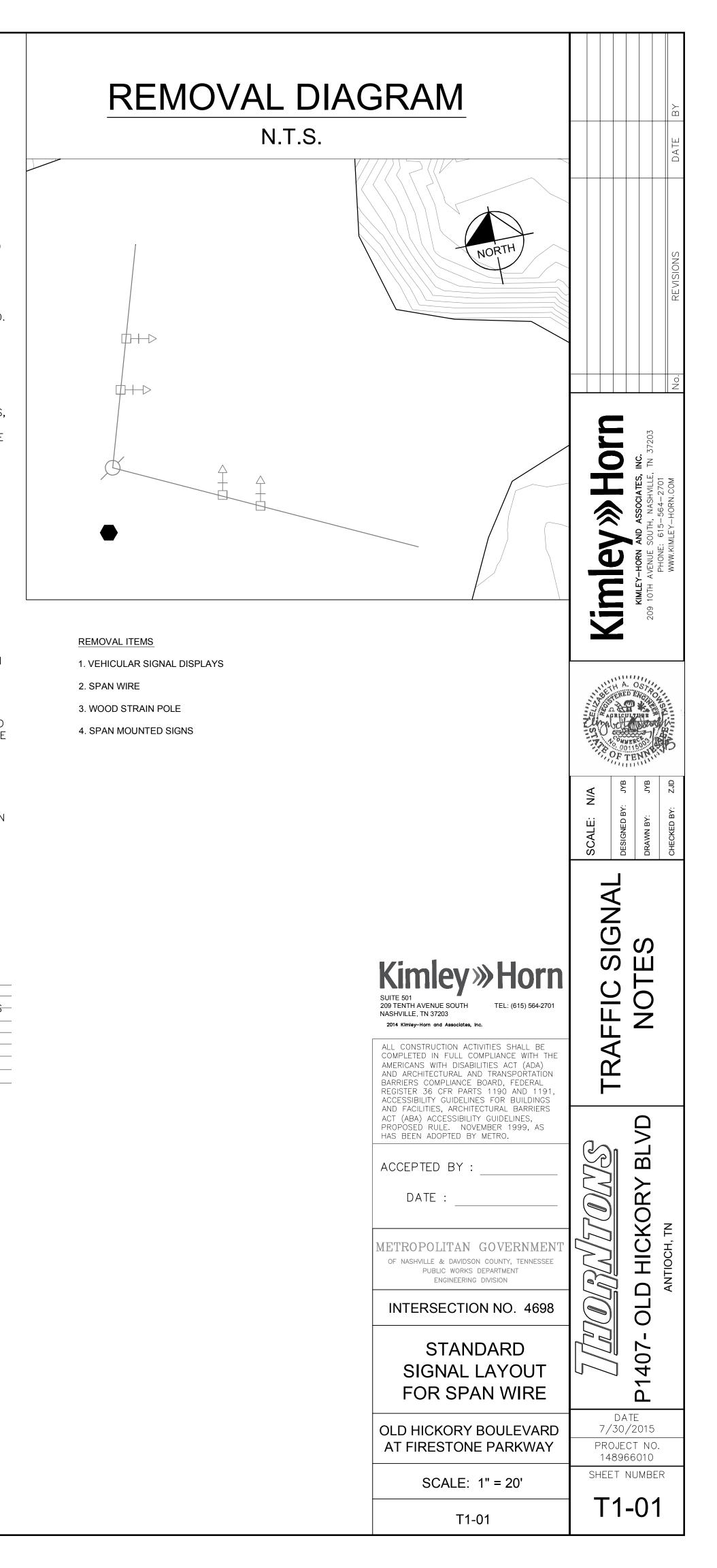
24. ALL NEW SIGNAL HEADS SHALL BE FABRICATED FROM ALUMINUM AND SHALL BE PAINTED BLACK. ALL NEW SIGNAL HEADS SHALL BE LED TYPE, DIALIGHT OR METRO APPROVED ALTERNATE. SIGNAL HEAD EQUIPMENT (I.E. FRAME AND ILLUMINATION TYPE) SHALL BE APPROVED BY METRO PUBLIC WORKS PRIOR TO INSTALLATION. CONTACT CHIP KNAUF – METRO TRAFFIC ENGINEERING 880–2443.

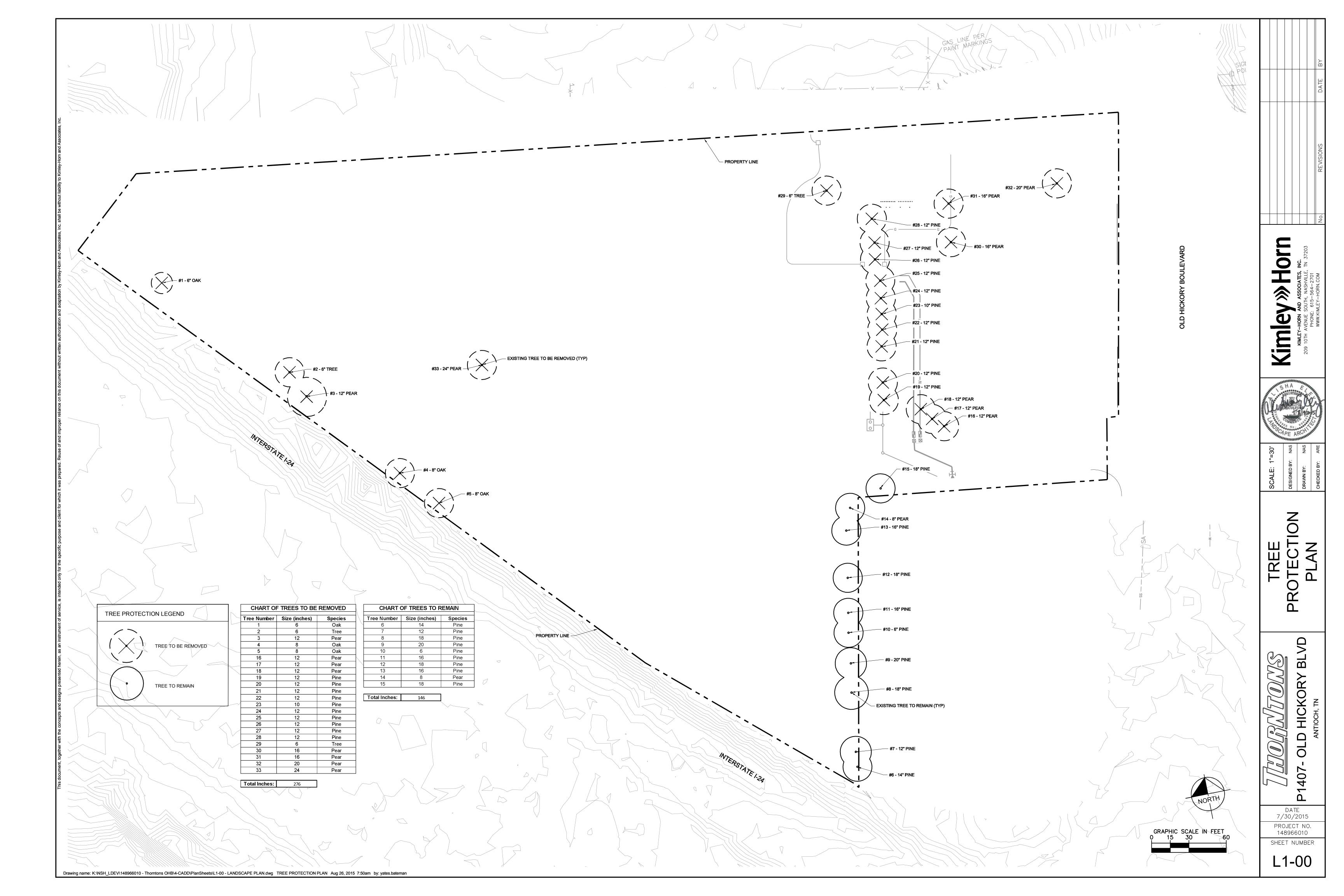
25. CABINET AND CONTROLLER MUST HAVE ALL EQUIPMENT NECESSARY TO PROVIDE SIGNAL COMMUNICATION VIA PHONE DROP. THIS INCLUDES COMMUNICATION PANEL, MATS/MIST COMPATIBLE CONTROLLER, AND OTHER CABINET WIRING. THIS DOES NOT INCLUDE THE INSTALLATION OF THE PHONE LINE ITSELF. CONTROLLER TO INCLUDE A COORDINATION MODULE ("D" MODULE) AND A DIGITAL SIGNAL PROCESSING MODULE (DSP).

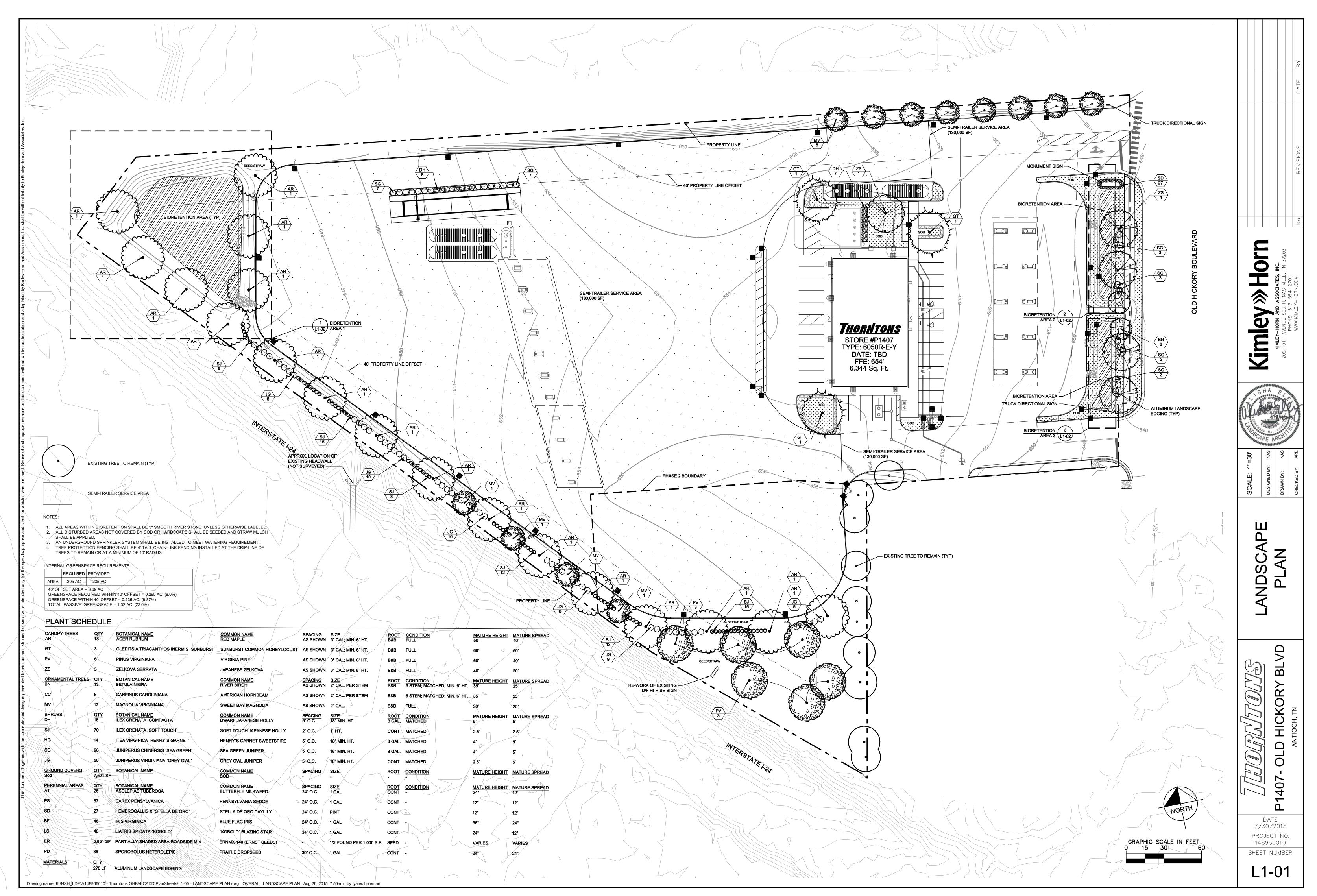
26. CABINET AND CONTROLLER MUST HAVE ALL EQUIPMENT NECESSARY TO PROVIDE SIGNAL COMMUNICATION VIA FIBER/COPPER INTERCONNECT. THIS INCLUDES COMMUNICATION PANEL, MATS COMPATIBLE CONTROLLER, AND OTHER CABINET WIRING. CABINET/CONTROLLER TO INCLUDE A COORDINATION MODULE ("D" MODULE) AND A DIGITAL SIGNAL PROCESSING MODULE (DSP).

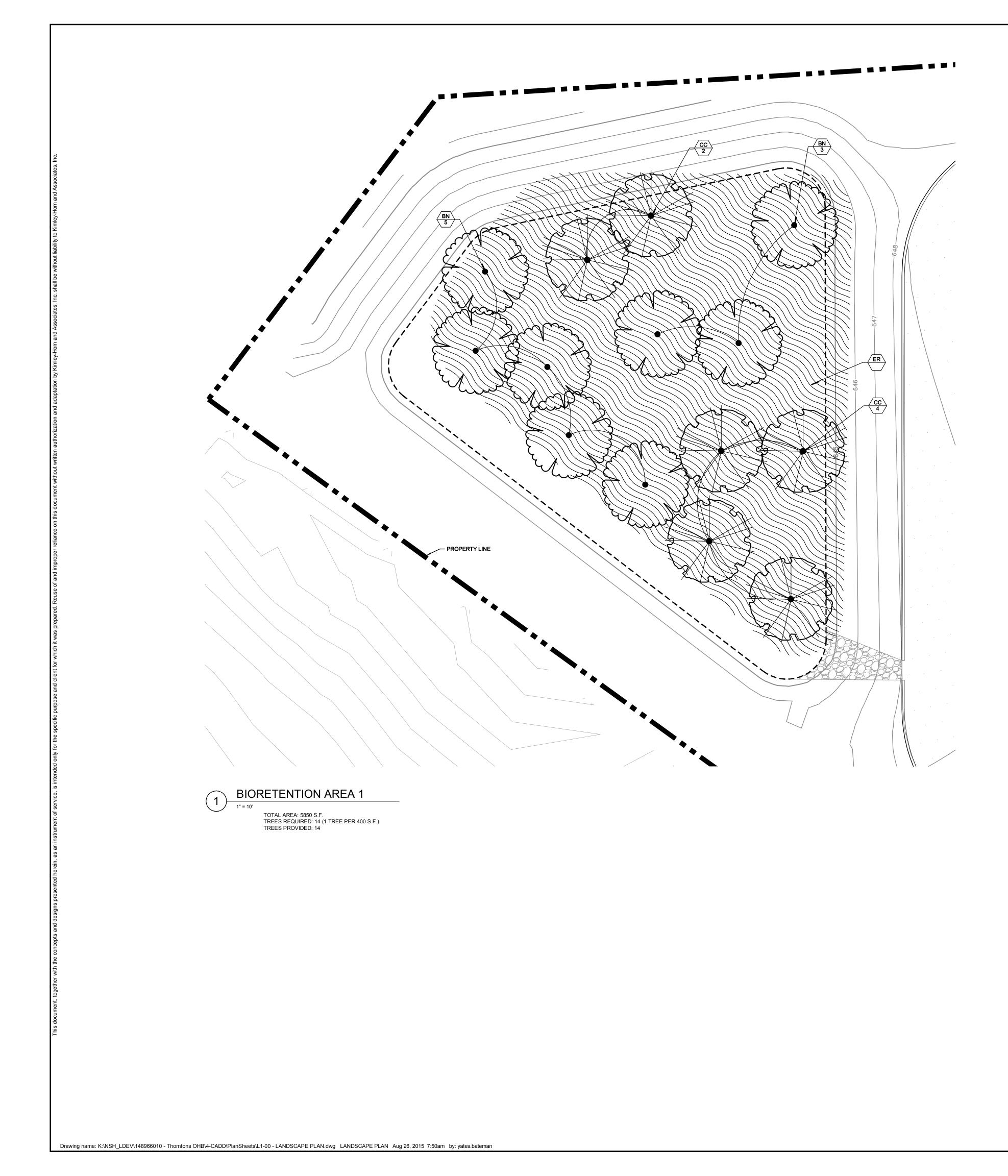
-27. CABINET AND CONTROLLER MUST HAVE ALL -EQUIPMENT NECESSARY TO PROVIDE SIGNAL

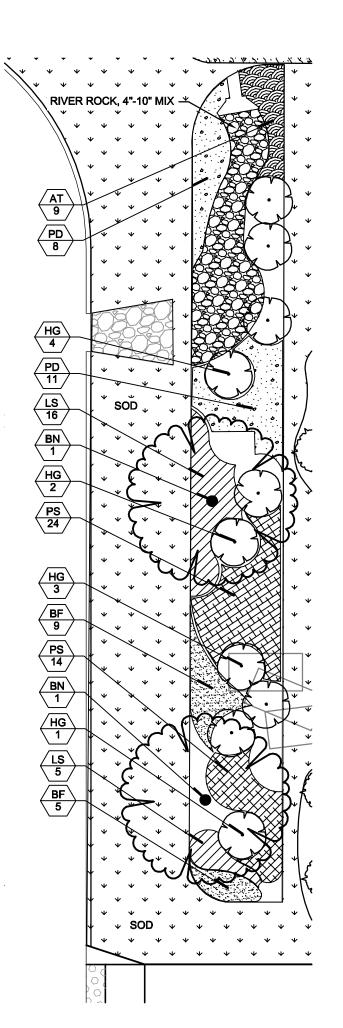
COMMUNICATION VIA FIBER/COPPER INTERCONNECT. THIS INCLUDES COMMUNICATION PANEL, MIST COMPATIBLE CONTROLLER, AND OTHER CABINET WIRING. CABINET/CONTROLLER TO INCLUDE A COORDINATION MODULE ("D" MODULE) AND A DIGITAL SIGNAL PROCESSING MODULE (DSP).











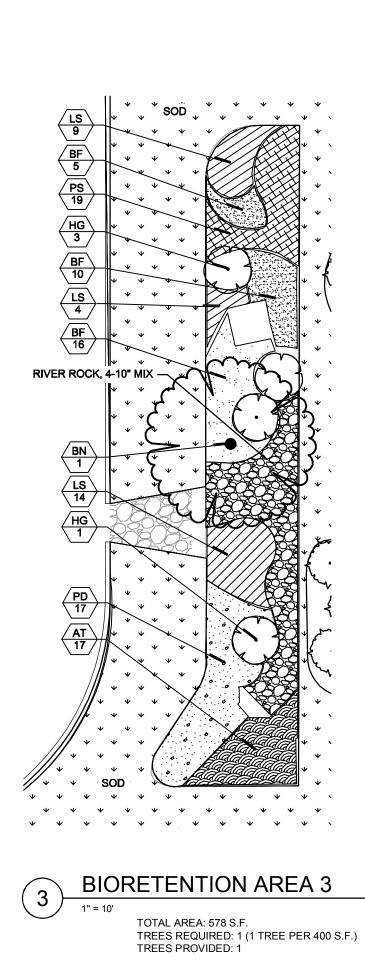
BIORETENTION AREA 2 (2) 1" = 10' TOTAL AREA: 868 S.F. TREES REQUIRED: 2 (1 TREE PER 400 S.F.) TREES PROVIDED: 2

KEY	
CANOPY TREES	BOTANICAL NAME ACER RUBRUM
GT	GLEDITSIA TRIACANTHOS INERMIS `SU
PV	PINUS VIRGINIANA
ZS	ZELKOVA SERRATA
ORNAMENTAL TREES BN	BOTANICAL NAME BETULA NIGRA
сс	CARPINUS CAROLINIANA
MV	MAGNOLIA VIRGINIANA
SHRUBS DH	BOTANICAL NAME ILEX CRENATA `COMPACTA`
SJ	ILEX CRENATA 'SOFT TOUCH'
нд	ITEA VIRGINICA `HENRY'S GARNET`
SG	JUNIPERUS CHINENSIS `SEA GREEN`
JG	JUNIPERUS VIRGINIANA 'GREY OWL'
GROUND COVERS	BOTANICAL NAME
<u>PERENNIAL AREAS</u> AT	BOTANICAL NAME ASCLEPIAS TUBEROSA
PS	CAREX PENSYLVANICA
SD	HEMEROCALLIS X 'STELLA DE ORO'
BF	IRIS VIRGINICA
LS	LIATRIS SPICATA `KOBOLD`

ER

PD

LIATRIS SPICATA `KOBOLD` PARTIALLY SHADED AREA ROADSIDE MIX SPOROBOLUS HETEROLEPIS



COMMON NAME RED MAPLE

HOS INERMIS 'SUNBURST' SUNBURST COMMON HONEYLOCUST VIRGINIA PINE JAPANESE ZELKOVA

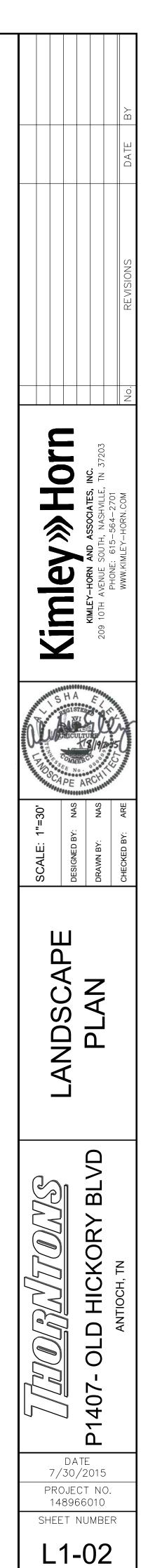
COMMON NAME RIVER BIRCH

AMERICAN HORNBEAM SWEET BAY MAGNOLIA

<u>COMMON NAME</u> DWARF JAPANESE HOLLY SOFT TOUCH JAPANESE HOLLY HENRY'S GARNET SWEETSPIRE SEA GREEN JUNIPER GREY OWL JUNIPER COMMON NAME

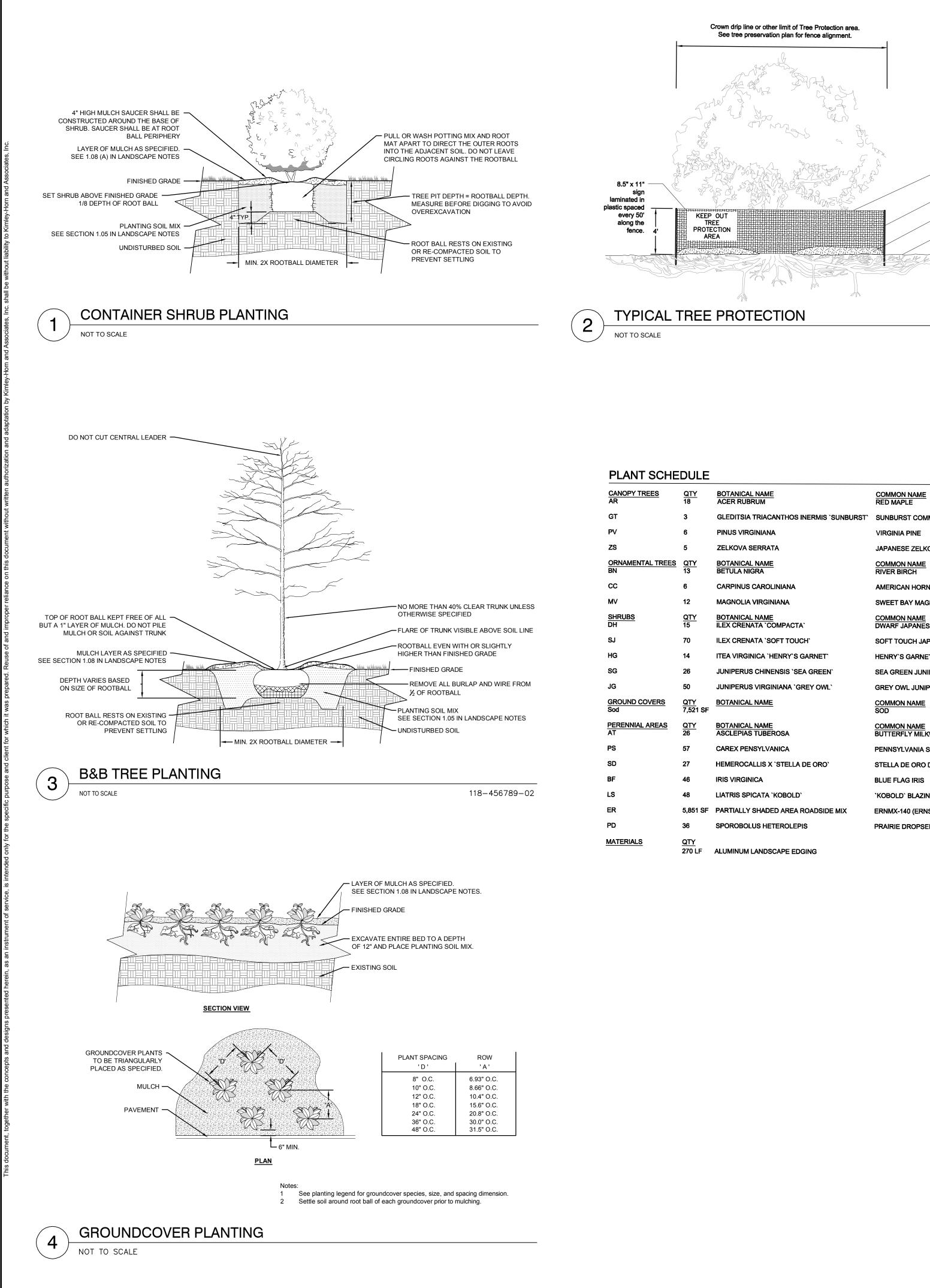
COMMON NAME BUTTERFLY MILKWEED

PENNSYLVANIA SEDGE STELLA DE ORO DAYLILY **BLUE FLAG IRIS** 'KOBOLD' BLAZING STAR ERNMX-140 (ERNST SEEDS) PRAIRIE DROPSEED



NORTH

GRAPHIC SCALE IN FEET 20 10



Drawing name: K:\NSH_LDEV\148966010 - Thorntons OHB\4-CADD\PlanSheets\L1-50 - LANDSCAPE NOTES AND DETAILSdwg.dwg LANDSCAPE DETAILS Aug 26, 2015 7:50am by: yates.bateman

Tree Protection fence: 4' chain link fence

– 2" x 6' steel posts or approved equal. - 5" thick layer of mulch.

 Maintain existing grade with the tree protection fence unless otherwise indicated on the plans.

THORNTON'S OHB LANDSCAPE REQUIREMEMTS		ANSWER	CODE SECTION REFERENCE
CONTINUOUS SCREENING OF VEHICULAR USE AREAS REQUIRED?	REQ'D	11 TREES (550' PARKING PERIMETER) 1 TREE PER 50' OF PARKING PERIMETER (MINIMUM 2 INCH CAL, MINIMUM 6' HEIGHT) CONTINUOUS HEDGE ROW, (MATURE MAX HEIGHT: 2'-6")	17.24.150
	PROVIDED	11 TREES, CONTINUOUS HEDGE ROW	
TOTAL ON-SITE TREES			BIORETENTION: GIP-01
		63 PLANTED TREES (MEETS TREE DENSITY REQUIRED)	
SCENIC LANDSCAPE EASEMENT REQUIREMENTS	REQ'D PROVIDED	TYPE "A" BUFFER (1.8 CANOPY/.6UNDERSTORY/6 SHRUBS PER 100 LINEAR FEET OF STREET FRONTAGE)	
MAJOR ROAD FRONTAGE TREE REQUIREMENTS		NA	
	PROVIDED		
MINOR ROAD FRONTAGE TREE REQUIREMENTS		NA	
	PROVIDED	N/A	
RESIDENTIAL BOUNDARY TREES REQUIRED		N/A	
	PROVIDED	NA	
NON-RESIDENTIAL BOUNDARY TREES REQUIRED		NA	
	PROVIDED		
RE PARKING TERMINAL PAINTED ISLANDS PERMITTED, OR RAISED PLANTED ISLANDS REQUIRED?	PAINTED/ RAISED PLANTED	RAISED PLANTED ISLANDS REQUIRED AND PROVIDED	
MAX DISTANCE/NUMBER OF PARKING STALLS BETWEEN PARKING TERMINAL ISLANDS.	FT/# STALLS	1 LANDSCAPE ISLAND PER 15 CONSECUTIVE PARKING STALLS. 1 REQUIRED AND PROVIDED.	17.24.160
ARE TREES REQUIRED IN PARKING TERMINAL RAISED ISLANDS?	YES	MINIMUM 90 SF PER ISLAND (1 TREE PER PARKING ISLAND)	17.24.160
REQUIRED INTERIOR SITE TREES (1 TREE PER 15 PARKING STALLS)	REQ'D PROVIDED		17.24.160
OPEN SPACE WITHIN 40' OFFSET	REQ'D		17.24.160
(1 SF OF GREEN SPACE/16 SF OF SITE WITH 40' OFFSET)	PROVIDED	.230 AC. (6.2%)	
SITE TREE DENSITY CALCULATIONS			
ACREAGE (TOTAL SITE AREA)		5.73 AC	
		3.23 AC (0.25 AC. + 2.98 AC.) (BUILDING/CANOPY) + (SEMI-TRAILER SERVICE AREA)	
ADJUSTED ACREAGE		2.50 AC	
TREE DENSITY UNITS REQUIRED		35	
(14 TDU/AC. X 2.50)			
EXISTING TREE CREDITS:		24	
PROPOSED TREES: 29 - 2" CAL. TREES X 0.5	(14.5 TDU)	34.9	17.24.100
34 - 3" CAL. TREES X 0.6	(20.4 TDU)		SEE TREE DENSITY
TREE DENSITY UNITS PROVIDED		58.9	WORKSHEET BELOW

Y TREES	<u>QTY</u> 18	BOTANICAL NAME ACER RUBRUM	COMMON NAME RED MAPLE	<u>SPACING</u> AS SHOWN	<u>SIZE</u> 3" CAL; MIN. 6` HT.	ROOT B&B	CONDITION FULL	MATURE HEIGHT 50`	MATURE SPR 40`
	3	GLEDITSIA TRIACANTHOS INERMIS `SUNBURST`	SUNBURST COMMON HONEYLOCUST	AS SHOWN	3" CAL; MIN. 6` HT.	B&B	FULL	60`	50`
	6	PINUS VIRGINIANA	VIRGINIA PINE	AS SHOWN	3" CAL; MIN. 6` HT.	B&B	FULL	60`	40`
	5	ZELKOVA SERRATA	JAPANESE ZELKOVA	AS SHOWN	3" CAL; MIN. 6` HT.	B&B	FULL	40`	30`
IENTAL TREES	<u>QTY</u> 13	BOTANICAL NAME BETULA NIGRA	COMMON NAME RIVER BIRCH	SPACING AS SHOWN	<u>SIZE</u> 2" CAL. PER STEM	ROOT B&B	CONDITION 3 STEM; MATCHED; MIN. 6` HT.	<u>MATURE HEIGHT</u> 35`	MATURE SPR 25`
	6	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	AS SHOWN	2" CAL. PER STEM	B&B	5 STEM; MATCHED; MIN. 6` HT.	35`	25`
	12	MAGNOLIA VIRGINIANA	SWEET BAY MAGNOLIA	AS SHOWN	2" CAL.	B&B	FULL	30`	25`
<u>s</u>	<u>QTY</u> 15	BOTANICAL NAME ILEX CRENATA `COMPACTA`	<u>COMMON NAME</u> DWARF JAPANESE HOLLY	SPACING 5` O.C.	<u>SIZE</u> 18" MIN. HT.	ROOT 3 GAL.	CONDITION MATCHED	<u>MATURE HEIGHT</u> 5`	MATURE SPR 5`
	70	ILEX CRENATA 'SOFT TOUCH'	SOFT TOUCH JAPANESE HOLLY	2` O.C.	1` HT.	CONT	MATCHED	2.5`	2.5`
	14	ITEA VIRGINICA `HENRY'S GARNET'	HENRY'S GARNET SWEETSPIRE	5` O.C.	18" MIN. HT.	3 GAL.	MATCHED	4`	5`
	26	JUNIPERUS CHINENSIS `SEA GREEN`	SEA GREEN JUNIPER	5` O.C.	18" MIN. HT.	3 GAL.	MATCHED	4`	5`
	50	JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL JUNIPER	5` O.C.	18" MIN. HT.	CONT	MATCHED	2.5`	5`
ID COVERS	<u>QTY</u> 7,521 SF	BOTANICAL NAME	COMMON NAME SOD	<u>SPACING</u> -	SIZE -	<u>ROOT</u> -	CONDITION -	<u>MATURE HEIGHT</u> -	MATURE SPR
NIAL AREAS	<u>QTY</u> 26	BOTANICAL NAME ASCLEPIAS TUBEROSA	COMMON NAME BUTTERFLY MILKWEED	SPACING 24" O.C.	<u>SIZE</u> 1 GAL	ROOT CONT	CONDITION -	<u>MATURE HEIGHT</u> 24"	MATURE SPR 12"
	57	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	24" O.C.	1 GAL	CONT	-	12"	12"
	27	HEMEROCALLIS X `STELLA DE ORO`	STELLA DE ORO DAYLILY	24" O.C.	PINT	CONT	-	12"	12"
	46	IRIS VIRGINICA	BLUE FLAG IRIS	24" O.C.	1 GAL	CONT	-	36"	24"
	48	LIATRIS SPICATA `KOBOLD`	'KOBOLD' BLAZING STAR	24" O.C.	1 GAL	CONT	-	24"	12"
	5,851 SF	PARTIALLY SHADED AREA ROADSIDE MIX	ERNMX-140 (ERNST SEEDS)	-	1/2 POUND PER 1,000 S.F.	SEED	-	VARIES	VARIES
	36	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	30" O.C.	1 GAL	CONT	-	24"	24"
ALS	<u>QTY</u> 270 LF	ALUMINUM LANDSCAPE EDGING							

SPREAD

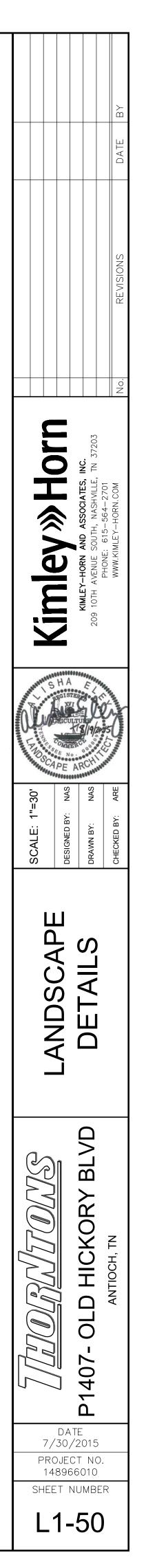
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	TREE DENSI (Ordina	FY WOR nce 94-1104		
	Date 07/10/2015 MapParcel Application Number Project NameJoILNTON'S OH, Address	3		*
	1. Acreage (area of building site)		2.75	
2	2. Minus building coverage area		_ 0.25	
	3. Equals adjusted acreage		_ 2.50	
r.	4. Multiplied by required density units per a	acre	x 14	
	5. Equals required tree density units for proj		= 35.0	
52	PROTECTED TREES (existing trees 6" DBH	or larger)	x 0.2 = <u>.6 density units</u>	
DBH 6 8 10 12 14 16 18 DBH 34 36	# OF TREES VALUE UNITS 1 X 1.2 1.2 1 X 1.4 1.2 1 X 1.4 1.4 X 1.6 1.4 X 1.6 1.4 X 1.6 1.4 X 1.6 1.4 X 2.1 2.1 2.1 X 2.4 3 X 2.8 3.4 # OF TREES VALUE UNITS X 10.5 $=$ X 11.7 $=$	DBH 20 22 24 26 28 30 32 DBH 48 50	X 4.9 X 5.7 X 6.6 X 7.5 X 8.4	<u>UNITS</u> <u>4.3</u> <u></u>
38 40 42	X 12.9 = X 18.4 = X 20.2 =	52 · 54 56	X 30.5 X 32.8 X 35.2	=
44	X 22.1 =	58	X 37.7	=
46	X 24.1 =	60	X 40.3	=
	<u>REPLACEMENT TREE SCHEDULE</u> UNITS represent Basal Area	CAL repre	esents caliper inches at pla	nting
<u>CAL</u> 2 3 4	# OF TREES VALUE UNITS 31 X 0.5 = 15.5 32 X 0.6 = 19.2 X 0.7 =	<u>CAL</u> 5 6 7	#OF TREES VALUE X 0.9 X 1.0 X 1.2	<u>UNITS</u> = =
	Density units provided on above schedule Total density units for protected trees Total density units for new trees Total density units provided	s. + 24 + 34.7 = 58.7	· · · · · · · · · · · · · · · · · · ·	
Note:	The total density units provided must equal or All protected and replacement trees must be sh			



GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

1.01 SCOPE OF WORK

- A. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
- B. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.
- C. THE CONTRACTOR SHALL CONTACT THE OWNER AND TENNESSEE ONE CALL AT (615) 351-1111, TWO (2) FULL BUSINESS DAYS PRIOR TO THE BEGINNING OF WORK.
- D. THE CITY MUST APPROVE ALL WORK HOURS AND LANE CLOSURE REQUESTS AT LEAST TWO (2) FULL WORKING DAYS IN ADVANCE OF THE START OF ANY SUCH WORK ON A LOCATION BY LOCATION BASIS. THE INDIVIDUAL(S) INSTALLING AND MAINTAINING THE MAINTENANCE OF TRAFFIC SETUP SHALL HAVE COMPLETED A TDOT APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE. DOCUMENTATION SHALL BE FURNISHED TO THE CITY AT THE PRE-CONSTRUCTION MEETING OR PRIOR TO START OF WORK.
- E. ALL LANDSCAPE MATERIAL SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHEREBY TRAFFIC CONTROL SIGNAGE AND DEVICES ARE VISIBLE TO MOTORISTS AND PEDESTRIANS.

1.02 PROTECTION OF EXISTING STRUCTURES

- A. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO TDOT, COUNTY, OR CITY STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND, THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA. FOR LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF COMPLIANCE WITH THIS SECTION WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

1.03 PROTECTION OF EXISTING PLANT MATERIALS

- A. EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION DAMAGE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
- B. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT EXISTING TREES THAT ARE TO REMAIN. NO HEAVY EQUIPMENT OR MATERIALS SHOULD BE PERMITTED TO OPERATE OR BE STORED WITHIN THE DRIP-LINES OF THE TREES, OUTSIDE THE LIMIT OF GRADING.
- C. TREE PROTECTION STEPS:
- 1. INSTALL TREE PROTECTION FENCING.
- 2. PLACE FENCE POST AND FENCING AT TREE DRIP LINE OR 10 FEET FROM TRUNK, WHICHEVER IS GREATER.
- 3. POST SHOULD NOT BE SPACED MORE THAN 10 FEET APART
- POST TEMPORARY SIGNS TREE ROOT PROTECTION ZONE.
- D. FENCING AND SIGNS SHALL REMAIN IN PLACE UNTIL THE SITE HAS BEEN INSPECTED BY URBAN FORESTER FOR USE AND OCCUPANCY PERMIT.

1.04 MATERIALS

A. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE LANDSCAPE ARCHITECT. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

- **B. PLANT MATERIALS**
- 1. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS SET FORTH IN ANSI Z60.1-2014-AMERICAN STANDARD FOR NURSERY STOCK. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR LANDSCAPE ARCHITECT. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.
- 2. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE ROOTBALL OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PI ANT
- 3. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.
- 1.05 SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)
- A. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF $\frac{1}{3}$ LOOSE COMPOST (NO GREATER THAN 1" SIV), $\frac{1}{3}$ PEAT AND $\frac{1}{3}$ SAND , AS DESCRIBED BELOW.
- B. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
- C. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER. D. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE
- CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
- E. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

1.06 WATER

A. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

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* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

1.07 FERTILIZER

- A. CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED. * FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- 1.08 MULCH

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES FOR ALL PLANTINGS UNLESS OTHERWISE NOTED. MULCH AT ALL PLANTING BEDS SHALL BE PINE BARK NUGGET. 1.09 DIGGING AND HANDLING

- B. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT.
- C. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.
- D. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES. ALL TREES SHALL BE PLANTED AS INDICATED ON DRAWINGS.
- E. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH OF PLANTING SOIL.
- 1.10 CONTAINER GROWN STOCK
- A. ALL TREES SPECIFIED SHALL BE BALL AND BURLAP, UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT
- B. ALL SHRUB SPECIES SHALL BE CONTAINER GROWN. SHOULD CONTAINER GROWN PLANTS BE USED, THE FOLLOWING SHALL APPLY. C. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH
- THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION. D. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER
- SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
- E. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
- 1.11 MATERIALS LIST
- A. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.
- 1.12 FINE GRADING
- A. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION.
- B. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
- C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

1.13 PLANTING PROCEDURES

- A. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
- B. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CONTACT TENNESSEE ONE CALL AT (615) 351-1111 TO LOCATE ALL UTILITIES.
- C. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" AT TREES AND 18" AT SHRUBS AND PERENNIALS. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FORM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CANNOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
- D. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
- E. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
- F. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
- G. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH ANSI Z60.1-2014 AMERICAN STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 1.05. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN.
- H. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
- I. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 1.05 OF THESE SPECIFICATIONS.
- J. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- K. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 12", REMOVE AND DISPOSE ALL DEBRIS. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 1.05. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION
- L. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER (AS ALLOWED BY JURISDICTIONAL AUTHORITY).

- 1.14 LAWN SODDING

- PREPARED AREA THOROUGHLY. D. SODDING
- SPECIFICALLY NOTED OTHERWISE.

- E. LAWN MAINTENANCE
- 1.15 CLEANUP
- 1.16 PLANT MATERIAL MAINTENANCE
- 1.17 MAINTENANCE (ALTERNATE BID ITEM) ON A COST-PER-MONTH BASIS.
- 1.18 FINAL INSPECTION AND ACCEPTANCE OF WORK
- 1.19 WARRANTY
- COST TO THE OWNER.

A. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

B. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

C. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET

1. THE CONTRACTOR SHALL SOD ONLY DESIGNATED AREAS LOCATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS

2. ALL DISTURBED AREAS NOT COVERED BY SOD OR HARDSCAPE SHALL BE SEEDED AND STRAW MULCH SHALL BE APPLIED

3. WHERE SOD IS LABELED TO BE PLACED, SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

4. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

1. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING RE-GRADING IF NECESSARY).

2. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

A. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

A. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

A. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD

A. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

A. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

B. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION DURING THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN TEN (10) DAYS OF NOTICE. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL

C. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

