DEVELOPER/PETITIONER/OWNER: MILLER BUILDING LLC **BOB MILLER** 801 WEST LIBERTY ANN ARBOR, MI 48103 PHONE: 734-730-4800

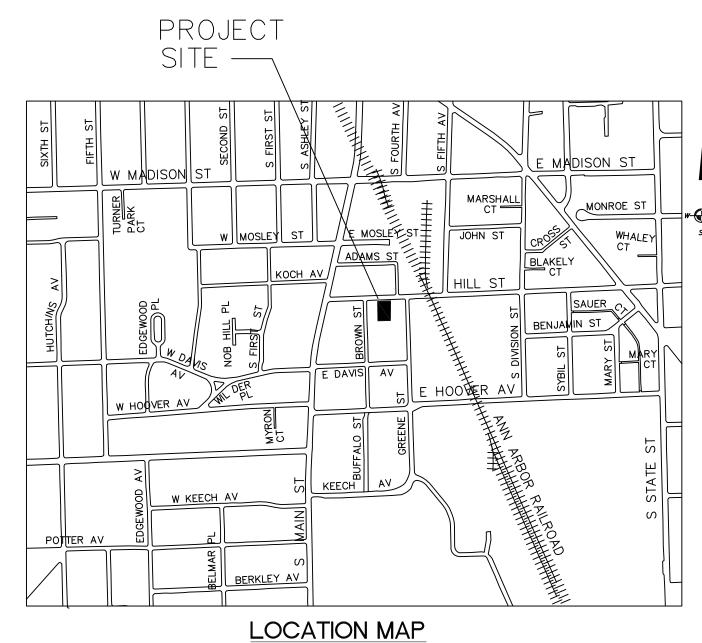
ARCHITECT: LEWIS GREENSPOON ARCHITECTS DAVID LEWIS 440 SOUTH MAIN SUITE 2 ANN ARBOR, MI 48104 PHONE: 734-786-3757

ENGINEER/PETITIONER'S AGENT: MACON ENGINEERING, LLC KATHY KEINATH. P.E. P.O. BOX 314 CHELSEA, MICHIGAN 48118 PHONE: 734-216-9941 EMAIL: kjkeinath@yahoo.com

SURVEYOR: ARBOR LAND CONSULTANTS **KEVIN GINGRAS** 2936 MADRONO ANN ARBOR, MI 48103 PHONE: 734-669-2960

132 HILL STREET

MULTI-FAMILY RESIDENTIAL CITY OF ANN ARBOR, WASHTENAW COUNTY SITE PLAN SP18-014



N.T.S.

SHEET INDEX

SP-04

SP-08

A2.5

COVER SHEET

UTILITIES PLAN

DETAILS

LANDSCAPE PLAN

PHOTOMETRIC PLAN

FIRST FLOOR PLAN

THIRD FLOOR PLAN

ROOF PLAN

BASEMENT FLOOR PLAN

SECOND FLOOR PLAN

ELEVATIONS AND MASSING

PHASING PLAN

GRADING AND SOIL EROSION CONTROL PLAN

STORM WATER MANAGEMENT PLAN

EXISTING CONDITIONS

Know what's **below**. **Call** before you dig.

SITE PLAN COVER

ENGINEER

10-5-18

7-23-18

Know what's **below**. **Call** before you dig.

/1\ 7-10-18 6-8-18 3-22-18 N.T.S. SHEET NO. NOT FOR CONSTRUCTION SP-01

MILLER BUILDING IS ACTING AS THE OWNER, PETITIONER AND DEVELOPER OF THE SITE.

DEVELOPMENT PROGRAM

STATEMENT OF INTEREST IN LAND:

THE PROPOSED DEVELOPMENT WILL INCLUDE FIVE RESIDENTIAL UNITS. THERE WILL BE 8 PARKING SPACES PROVIDED ON THE SITE. THE PROJECT WILL MOST LIKELY PROVIDE STUDENT HOUSING. THE DEVELOPMENT HAS BEEN PLANNED TO PROVIDE ADEQUATE PARKING, INGRESS AND EGRESS. STORM WATER MANAGEMENT FACILITIES, PEDESTRIAN CONNECTIONS AND ALL OTHER REQUIRED SITE ELEMENTS. THE SITE IS TO BE DEVELOPED IN TWO PHASES AS SHOWN AND DESCRIBED ON THE PHASING PLAN SHEET. THE PROPOSED PROJECT IS SCHEDULED TO BEGIN UPON APPROVAL AND COMPLETED BY 2019. CONSTRUCTION COST ARE CURRENTLY ESTIMATED TO BE \$1.000.000.

COMMUNITY ANALYSIS

THE PROPOSED PROJECT IS LOCATED ON THE SOUTH SIDE HILL STREET BETWEEN BROWN AND ADAMS STREETS. JUST EAST OF SOUTH MAIN STREET. THE SITE CONTAINS ONE LOT THAT IS ZONED R4C. THE EXISTING USE IS SINGLE FAMILY RESIDENTIAL. THE PROPOSED USE OF THE BUILDING IS RESIDENTIAL. THE PROPERTY TO THE WEST, EAST, NORTH AND SOUTH IS CURRENTLY ZONED R4C RESIDENTIAL. THE PROPOSED DEVELOPMENT WILL NOT HAVE A NEGATIVE IMPACT ON PUBLIC SCHOOLS. AIR OR WATER QUALITY. THERE ARE NO HISTORIC FEATURES ON THE SITE. THE NATURAL FEATURES ON THE SITE INCLUDE ONE LANDMARK TREE THAT IS TO REMAIN UNDISTURBED.

THE PROPOSED DEVELOPMENT WILL BE AN IMPROVEMENT TO THE EXISTING SITE WHICH INCLUDES AN OLDER HOME THAT HAS DETERIORATED. THE INTENDED USE AS A RESIDENTIAL PROPERTY WILL BE CONSISTENT WITH OTHER RESIDENTIAL USES IN THE NEIGHBORHOOD.

THE PROJECT WILL BE HARMONIOUS WITH THE SURROUNDING PROPERTIES IN THE NEIGHBORHOOD AND SPECIFICALLY THE PROPERTIES TO THE EAST, WEST, SOUTH AND NORTH OF THE SITE. THE FRONT YARD SETBACK HAS BEEN AVERAGED AS ALLOWED BY ZONING CODE TO BE CONSISTENT WITH THE ADJACENT PROPERTIES.

GENERAL DESCRIPTION OF NATURAL FEATURES

THERE ARE NO FLOODPLAINS, WOODLAND, WETLANDS, WATERCOURSES, STEEP SLOPES OR ENDANGERED SPECIES HABITAT ON THE SITE. THERE IS ONE 16" LANDMARK MAPLE TREE LOCATED AT THE SOUTHWEST CORNER OF THE PROPERTY THAT WILL NOT BE DISTURBED.

NATURAL FEATURES STATEMENT OF IMPACT

THE ONLY NATURAL FEATURE ON THE SITE IS A 16" LANDMARK MAPLE TREE LOCATED ALONG THE SOUTHWEST PROPERTY LINE. THE PARKING LOT HAS BEEN DESIGNED WITH A COMPACT CAR SPACE AT THE SOUTHWEST CORNER WITH PROPOSED GRADES TO MATCH EXISTING GRADES TO AVOID ANY NEGATIVE IMPACTS TO THE TREE. THE TREE WILL REMAIN ON THE SITE AND WILL BE PROTECTED WITH TREE FENCING AROUND THE CRITICAL ROOT ZONE DURING CONSTRUCTION. THERE IS ONE 16" LANDMARK MAPLE TREE THAT IS A CITY STREET TREE. THIS TREE WILL NOT BE DISTURBED EXCEPT FOR THE REPLACEMENT OF THE EXISTING SIDEWALK. EXISTING GRADES WILL BE MAINTAINED TO THE EXTENT POSSIBLE TO REDUCE ANY POSSIBLE IMPACTS TO THE TREE.

TRAFFIC IMPACT ANALYSIS

VEHICULAR, PEDESTRIAN AND BICYCLE ROUTES ARE SHOWN ON THE PLANS. NO TRUCK TRAFFIC TO THE SITE IS ANTICIPATED. ONE NEW ENTRANCE TO THE PARKING AREAS WILL BE LOCATED ON HILL STREET. THE NEW APPROACH WILL BE PART OF A SHARED DRIVEWAY EASEMENT WITH THE ADJACENT PROPERTY TO THE EST. THE EXISTING CURB CUTS ON HILL STREET WILL BE REMOVED. NO TRAFFIC STUDY IS REQUIRED BASED ON THE TRIP GENERATION ANALYSIS.

	SITE TRIP GENERATION													
1			Α	M Peak Ho	ur	PM Peak Hour								
— `	Land Use	ITE Code	Amount	Units	In	Out	Total	In	Out	Total				
	Apartment	220	5	DU	1.2	4.9	6.2	13.3	7.1	20.4				

LEGAL DESCRIPTION

Trip Rates taken from ITE Trip Generation manual, 10th Edition

TAX ID 09-09-32-111-012

LOT 10 AND THE EAST $\frac{1}{2}$ OF LOT 11, "WILLIAM A. BENEDICT'S PLAT", A SUBDIVISION OF THE NORTHEAST ¹/₄ OF SECTION 32. TOWN 2 SOUTH, RANGE 6 EAST, ANN ARBOR TOWNSHIP (NOW THE CITY OF ANN ARBOR), WASHTENAW COUNTY, MICHIGAN, AS RECORDED IN LIBER 44 OF DEEDS, PAGE 748, OF WASHTENAW COUNTY RECORDS CONTAINING 0.26 ACRES OF LAND, MORE OR LESS.

COMPARISON CHART

	EXISTING	REQUIRED	PROPOSED
ZONING	R4C	R4C	R4C
<u>USES</u>			
RESIDENTIAL	1 Unit	n/a	5 Units
BEDROOMS PER UNIT	N/A	n/a	6
TOTAL BEDROOMS	N/A	n/a	30
BUILDING			
FLOOR AREA	4,236 sf	n/a	11,653 sf
PROPERTY REGULATIONS			
LOT AREA/DWELLING UNIT	11,446 sf	2,175 sf	2,289 sf
MIN ACTIVE OPEN SPACE PER DWELLING UNIT	N/A	300 sf	333 sf
LOT AREA MIN	11,446 sf	8,500 sf	11,446 sf
MIN LOT WIDTH	65.95	60 ft	65.95 ft
MAX. BUILDING HEIGHT	25 ft	30 ft	30 ft
MIN OPEN SPACE	N/A	40%	46%
PROPERTY SETBACKS			
FRONT	12.78 ft	25.00 ft	15.16 ft
REAR	103.74 ft	30.00 ft	80.64 ft
SIDE	9.73 ft	12.00 ft	14.46 ft
OFF STREET PARKING			
PARKING 1.5 PER UNIT RESIDENTIAL	2	7.5	8
BICYCLE PARKING 1 PER 5 UNITS RESIDENTIAL	0	1 A	7A / 2C

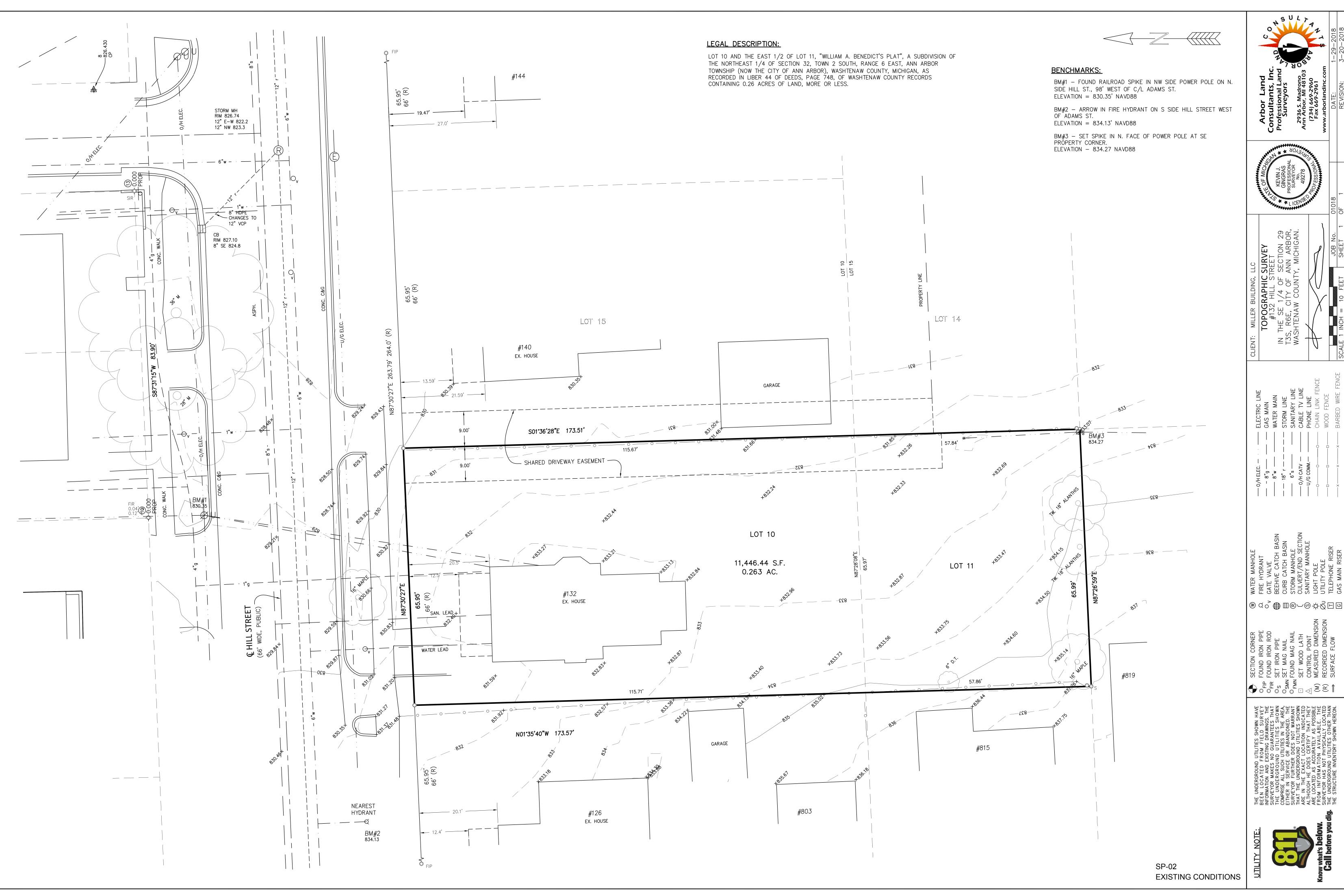
* AVERAGE FRONT SETBACK PROVIDED AS ALLOWED BY CITY CODE

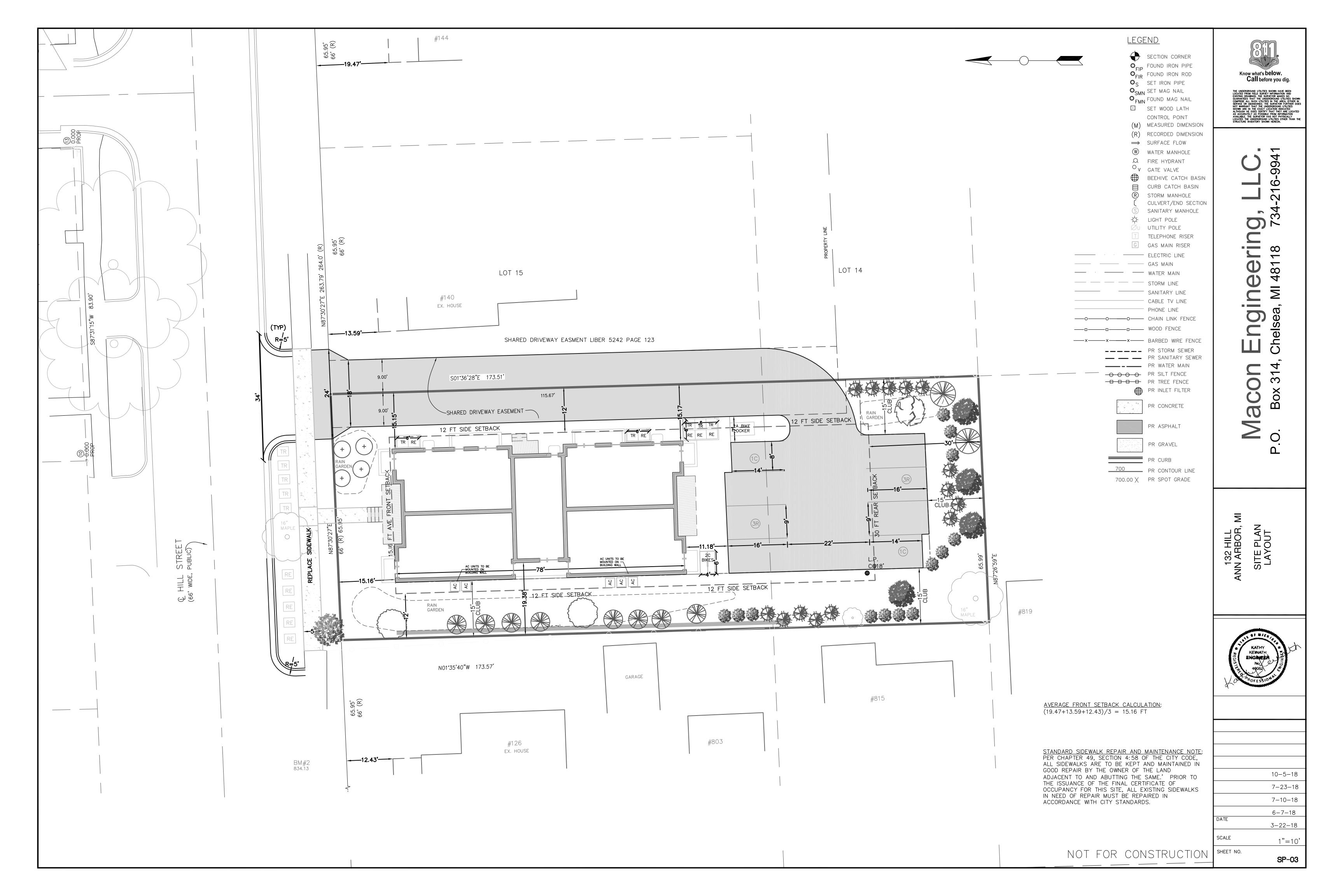
SOIL TYPES

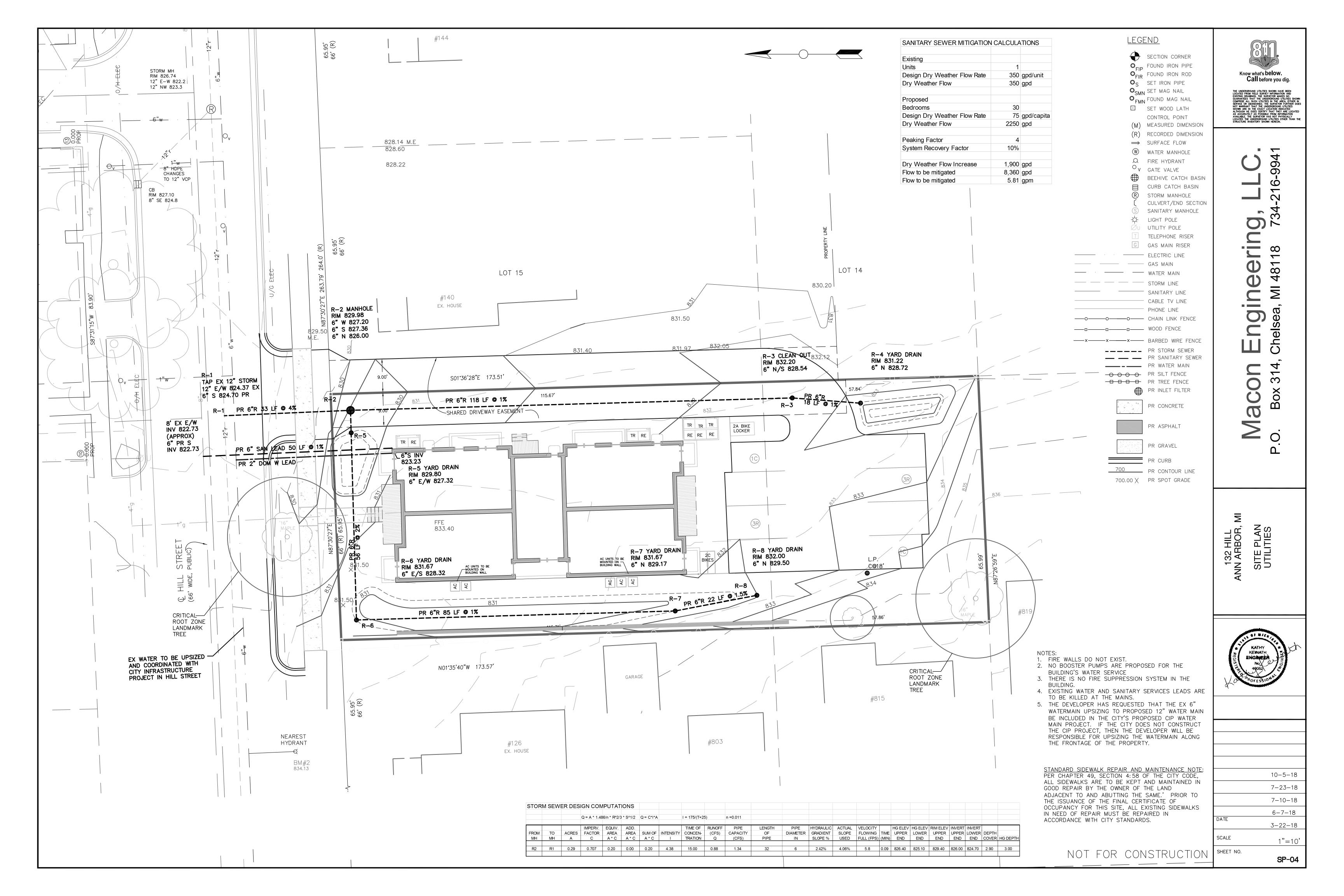
THE SOILS ON THE SITE ARE FOX SERIES FOA AND FOB. THE SOILS ARE CLASSIFIED AS HYDRAULIC SOILS GROUP B WITH TYPICAL INFILTRATION RATES OF 0.6 IN/HR. THE PETITIONER HAS NOT CONDUCTED INFILTRATION TESTING FOR THIS SMALL SITE AS THE CALCULATIONS DO NOT RELY ON INFILTRATION TO MEET THE REQUIRED DETENTION VOLUMES.

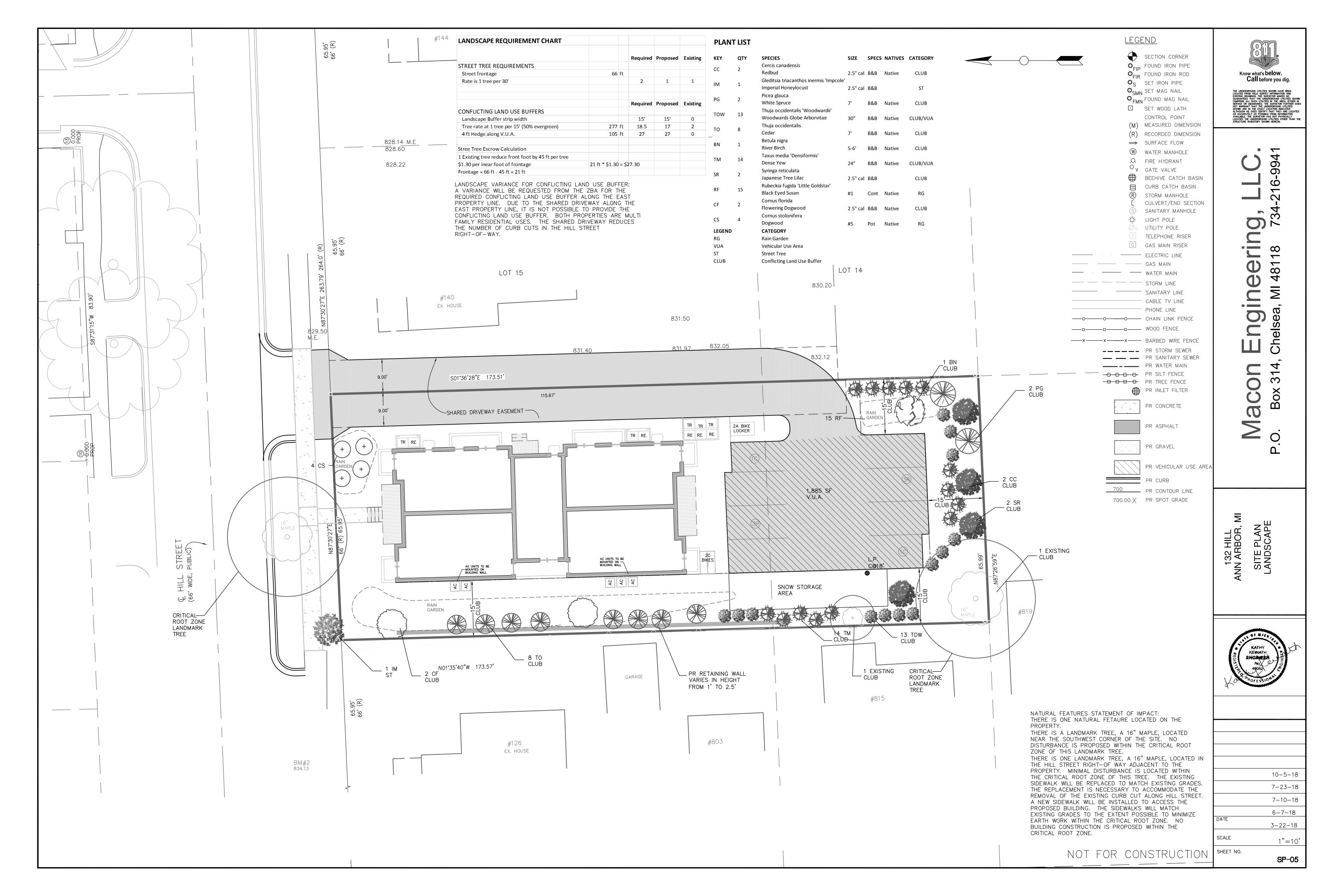
SOLID WASTE DISPOSAL PLAN

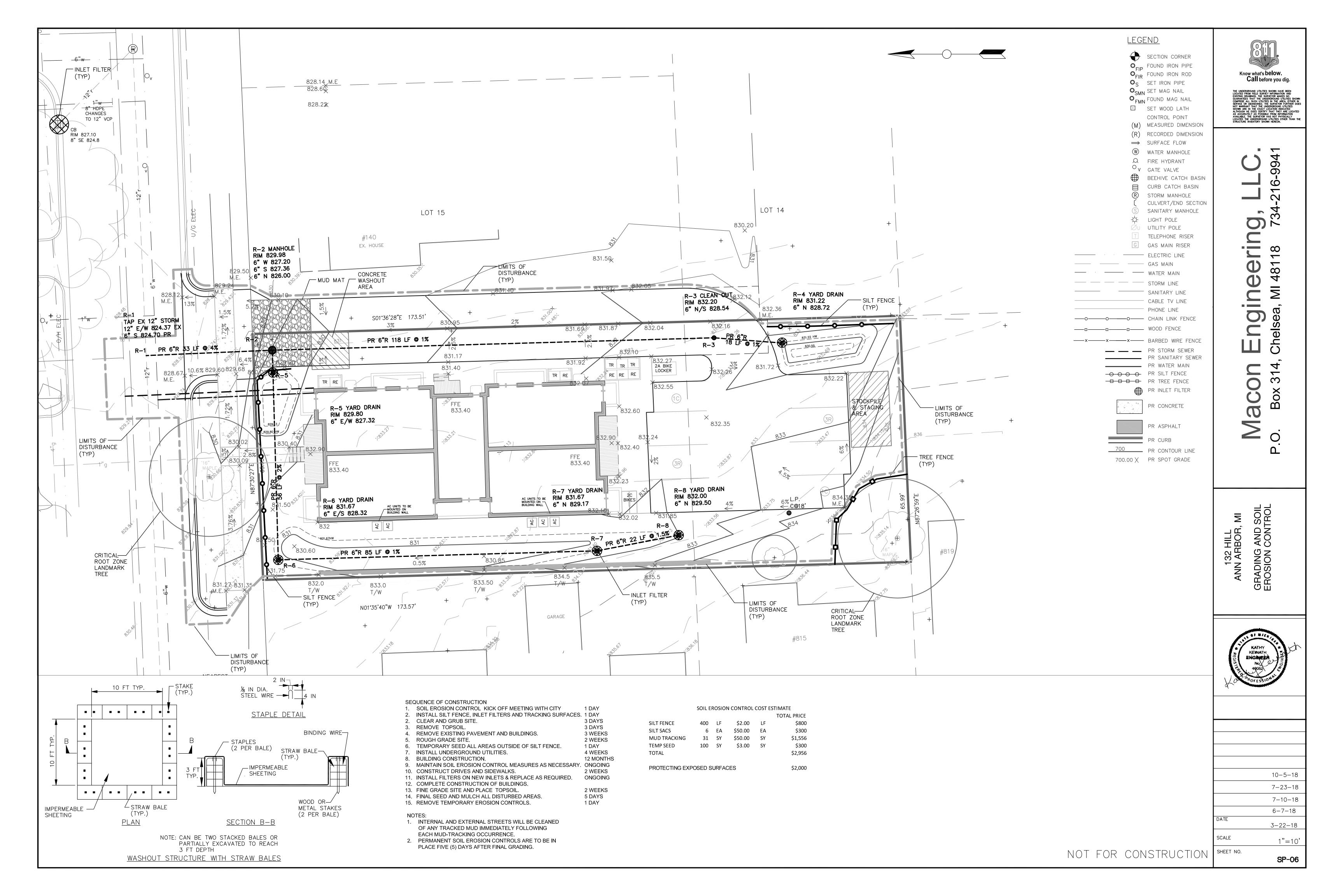
THE DEVELOPMENT PROPOSES TO PROVIDE FIVE (5) 96 GAL TRASH AND FIVE (5) 96 GAL RECYCLING CONTAINERS IN THE ENCLOSED AREA AT THE REAR OF THE BUILDING AND THE EAST SIDE OF THE PARKING AREA. CONTAINERS WILL BE WHEELED CURBSIDE ON COLLECTION DAYS FOR PICK UP.

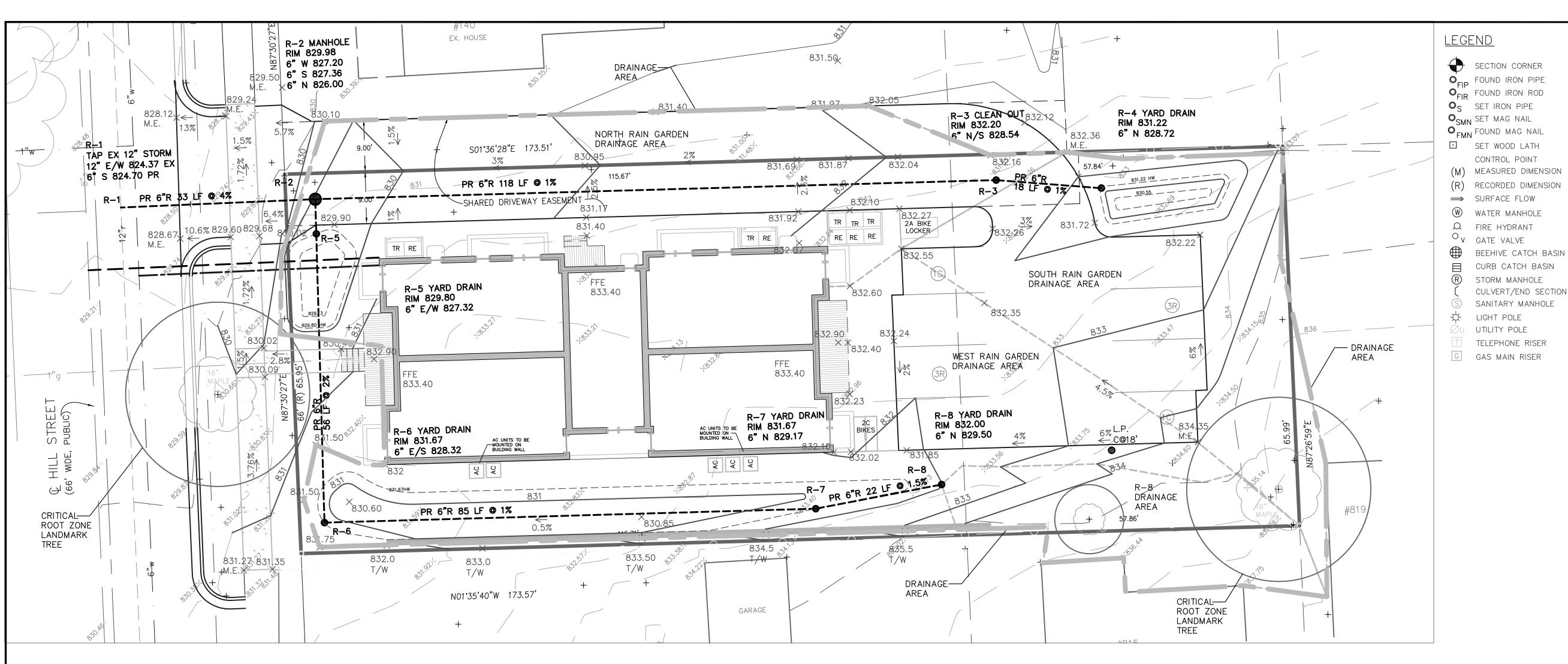


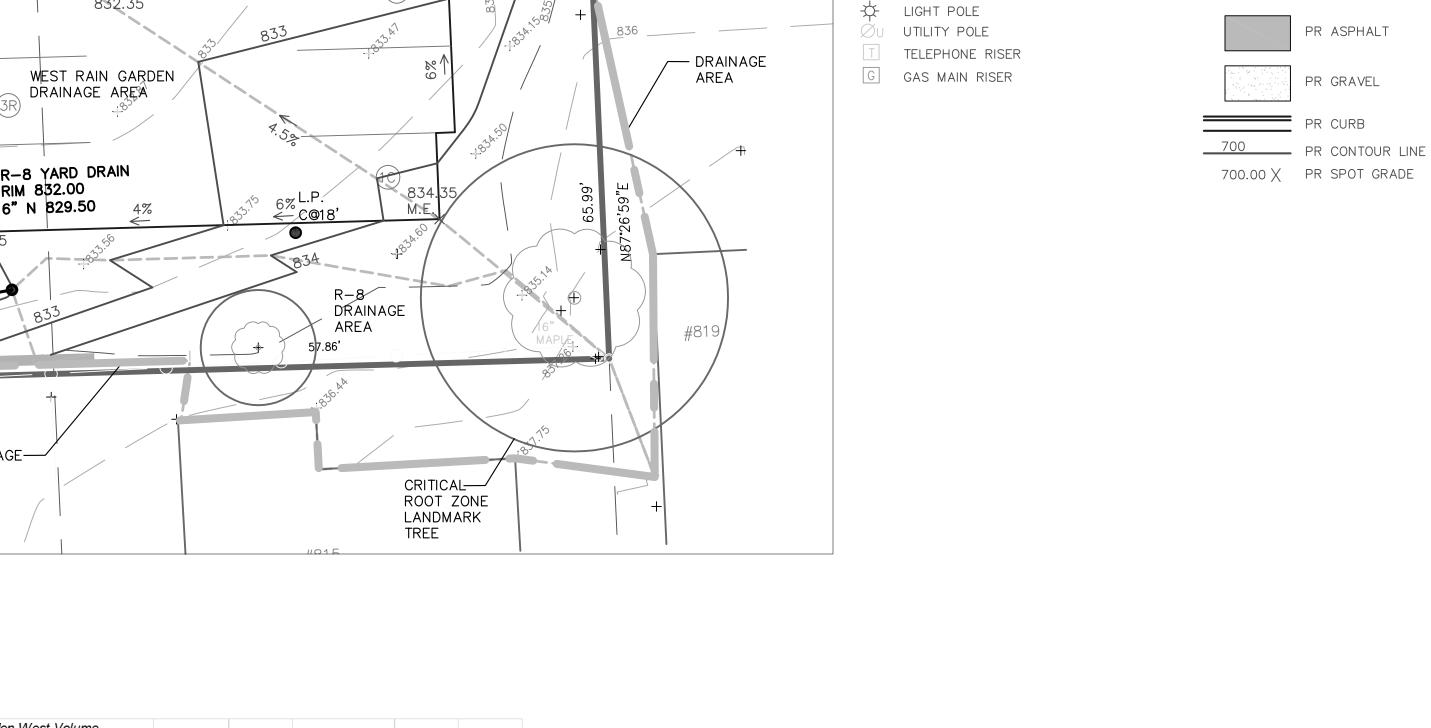












Total Drainage Area	to Rain Gardei	ns =	0.26	ac	11,456	sf	
Total Site Area Exclud			Ps =	0.26	ac		
NA), (E) IT 0.0\ (E)	7.7.55	4 D E 4 0 0 U D	(E.)			
W1: POST EDVELOR		R TYPES,	AREAS, CUR	VE NUMBERS AN	ND KUNO	-F COEFF	-ICIEN I
Rational Method Varia	ables			Dunoff			
Cours Turns	CoilTimo	Area (af)	A === (==)	Runoff	(C)(A===)		
Cover Type			Area (ac)	Coefficient (c)			
Building Roof	В	2,700	0.062	0.95	0.06		
Concrete/Porches	В	638	0.015		0.01		
Pavement	B B	4,179	0.096		0.09		
Pervious Pain Cardon	В	3,173 766	0.073 0.018		0.02		
Rain Garden	В				0.01 0.19		
		11,450	Total = Sum (
		Maiahtad	Area Total = S	` ,	0.26		
		vveignted	C = Sum (C)	(A)/Area Total	0.74		
NRCS Variables Perv	ious						
Cover Type	Soil Type	Area (sf)	Area (ac)	Curve Number	CN)(Area	1)	
Lawn	В	3,173	0.073		4	,	
Rain Garden	В	766	0.018	78	1		
	В	0	0.000	85	0		
	_		Total = Sum (5.81		
			Area Total = S		0.09		
		Weighted		N)(A)/Area Total	64		
NIDOON : III I							
NRCS Variables Impe		Aron (cf)	Aroa (ac)	Curve Number	CNI)/Aroa	1	
Cover Type	Soil Type		Area (ac) 0.062	98	6	1)	
Building Roof Concrete	B B	2,700 638		98			
	В	4,179	0.015 0.096	98	9		
Pavement	Б	4,179	Total = Sum (16.91		
			Area Total = S		0.17		
		Waighted		Sum A (ac) SN)(A)/Area Total	98		
		vveignieu	i Civ – Suili (C	N)(A)/Alea Total	90		
W2: STANDARD ME			E CALCULATI	ONS			
First Flush Runoff Ca	lculations (Vff)						
					_		
Vff=(1")(1'/12")(4356	0sf/1ac)AC =		Vff =	706	cf		

714 cf

Storage Volume from Rain Gardens =

ourrace Storage volume - Area Depi			Alea -	-	2 31
			Depth =	0.6	7 ft
			Volume =	5	5 cf
Soil Storage Volume = length*width*de	epth*void rati	io	Length =	2	0 ft
			Width =		6 ft
			Depth =	0.6	7 ft
			Voids =	0.	3
			Volume =	2	4 cf
nfiltration Volume = Area*infiltration r	ate*6 hr*1'/1	2"			
			Area =	8	2 sf
		I	nfiltration Rate =		0 in/hr
	Infiltratio		Safety Factor 2 =		0 in/hr
			nfiltration Period	6.0	0 hr
		Infil	tration Volume =		0 cf
		Total Rain	Garden South =	7	9 cf
Rain Garden North Volume					
Area of Garden at Ponding Depth =	156	sf			
Area of Garden at Bottom =	73	sf			
Area =	115	sf			
Surface Storage Volume = Area*Dep	oth		Area =	115 9	sf
			Depth =	0.67 1	t
			Volume =	77 (of
Soil Storage Volume = length*width*o	depth*void ra	atio	Length =	16 1	ť
			Width =	10 1	t
			Depth =	0.67 1	ť
			Voids =	0.3	
			Volume =	32 (of
Infiltration Volume = Area*infiltration	rate*6 hr*1'/	12"			
			Area =	115 9	sf
			Infiltration Rate =	0.00 i	n/hr
	Infiltratio	on Rate w/ S	Safety Factor 2 =	0.00 i	n/hr
			Infiltration Period	6.00 l	nr
		Infi	Itration Volume =	0 (of
		Total Dais	Condon North	100	· c
		lotai Kair	n Garden North =	109	CT

133 sf

30 sf 82 sf

82 sf

Area =

Rain Garden South

Area of Garden at Ponding Depth =

Surface Storage Volume = Area*Depth

Area of Garden at Bottom =

Rain Garden West Volume					
Area of Garden at Ponding Depth =		sf			
Area of Garden at Bottom =	406	sf			
Area =	570	sf			
Surface Storage Volume = Are	ea*Depth		Area =	570	sf
			Depth =	0.67	ft
			Volume =	382	cf
Soil Storage Volume = length*	io	Length =	90	ft	
			Width =	8	ft
			Depth =	0.67	ft
			Voids =	0.3	
			Volume =	145	cf
Infiltration Volume = Area*infilt	tration rate*6 hr*1'/1	2"			
			Area =	570	sf
			Infiltration Rate =	0.00	in/hr
	Infiltratio	on Rate w/	Safety Factor 2 =	0.00	in/hr
			Infiltration Period	6.00	hr
		In	filtration Volume =	0	cf

STORM WATER MANAGEMENT NARRATIVE: THE PROPOSED SITE LAYOUT INCLUDES MORE THAN 5,000 SF AND LESS THAN 10,000 SF OF IMPERVIOUS SURFACE. BASED ON CITY CODE, THE PROJECT IS REQUIRED TO PROVIDE STORM WATER MANAGEMENT FOR THE FIRST FLUSH VOLUME OF WATER CALCULATED USING THE WASHTENAW COUNTY WATER RESOURCES COMMISSION DESIGN GUIDELINES.

THE PROPOSED STORM WATER MANAGEMENT PLAN INCLUDES THREE RAIN GARDENS LOCATED IN THE SOUTH, NORTH AND WEST YARDS. THE GRADING PLAN HAS BEEN DESIGNED TO ALLOW RUNOFF FROM THE PAVED AREAS, INCLUDING THE PORTION OF THE DRIVEWAY LOCATED ON THE ADJACENT PROPERTY, TO SHEET FLOW TO THE RAIN GARDENS. THE GARDENS ARE DESIGNED TO POND 8" OF WATER. OVERFLOW STRUCTURES ARE LOCATED IN EACH GARDEN THAT EMPTY INTO THE SUBSURFACE PIPES. THE GARDENS ARE OF SUFFICIENT CAPACITY TO PROVIDE THE STORAGE VOLUME REQUIRED. AS THIS SITE IS RELATIVELY SMALL, NO INFILTRATION TESTING WAS PERFORMED AND NO INFILTRATION WAS ACCOUNTED FOR IN THE VOLUME CALCULATIONS ALTHOUGH WATER IS EXPECTED TO INFILTRATE IN THE GARDENS.

BASED ON THE EXISTING DRAINAGE PATTERNS, THERE IS OFF SITE FLOW FROM THE ADJACENT PROPERTIES THAT FLOWS ON TO THE SITE. THE DRAINAGE AREA HAS BEEN DESIGNED TO STORE A SLIGHTLY GREATER AREA THAN THE AREA WITHIN THE PROPERTY LINES OF THE SITE. THE SITE AREA IS 11,446 SF. THE DRAINAGE AREA THAT IS DIRECTED TO THE RAIN GARDENS IS 11,456 SF. THERE IS AN AREA ALONG THE FRONT OF THE BUILDING THAT FLOWS UNDETAINED TO THE HILL STREET RIGHT-OF-WAY. THERE IS ALSO DRAINAGE AREA, MOSTLY FROM OFF SITE, THAT HAS BEEN DIRECTED TO STRUCTURE R-8. THE FLOW FROM THESE PERVIOUS AREAS HAS BEEN DIRECTED ACROSS VEGETATED YARD THAT WILL PROVIDE FILTRATION OF THE RUNOFF AND SLOW THE RUNOFF RATE PRIOR TO ENTERING THE STORM SEWER SYSTEM.

THIS STORM WATER MANAGEMENT SYSTEM WILL BE A SIGNIFICANT IMPROVEMENT TO THE SITE AS THERE IS CURRENTLY NO STORM WATER MANAGEMENT UNDER THE EXISTING CONDITIONS.

Know what's below. Call before you dig.

--- GAS MAIN

----x----x BARBED WIRE FENCE

---- PR STORM SEWER

OOO PR SILT FENCE

- D D D PR TREE FENCE

PR INLET FILTER

PR CONCRETE

PR ASPHALT

PR GRAVEL

——————— WOOD FENCE

STORM LINE

SANITARY LINE

CABLE TV LINE

PHONE LINE

9

 ∞

4

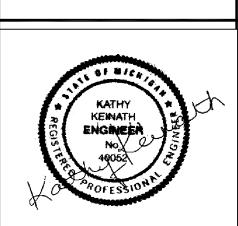
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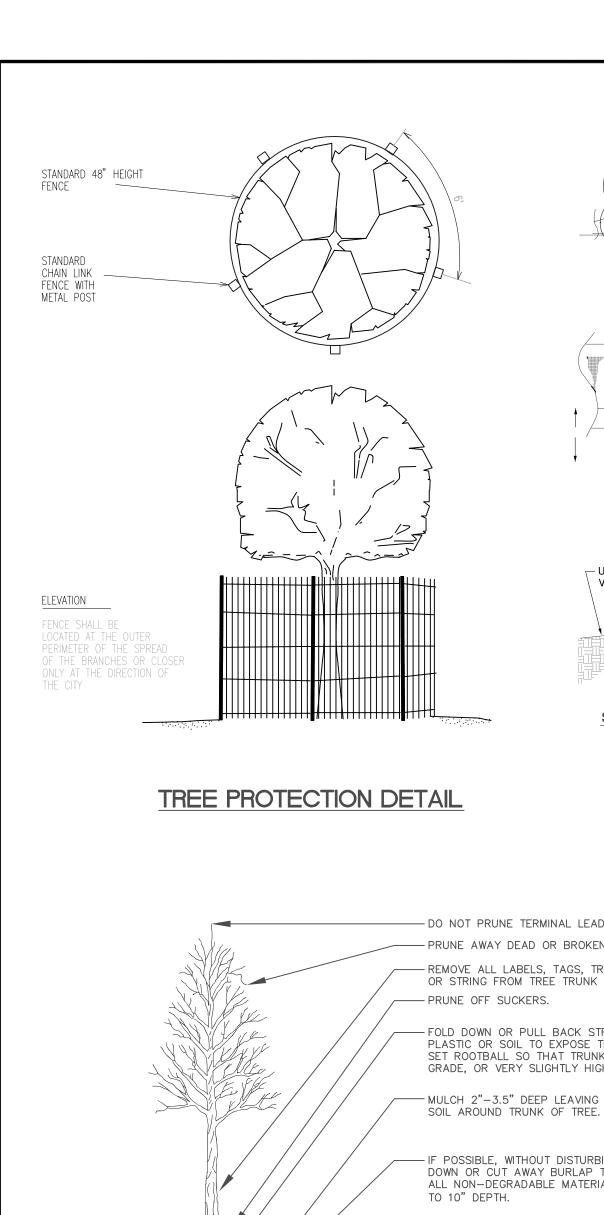
Box

132 HILL ANN ARBOR, SITE F TORM A ANAGI



	10-5-18
	7-23-18
	7-10-18
	6-5-18
DATE	3-22-18
SCALE	1"=10'

SP-07



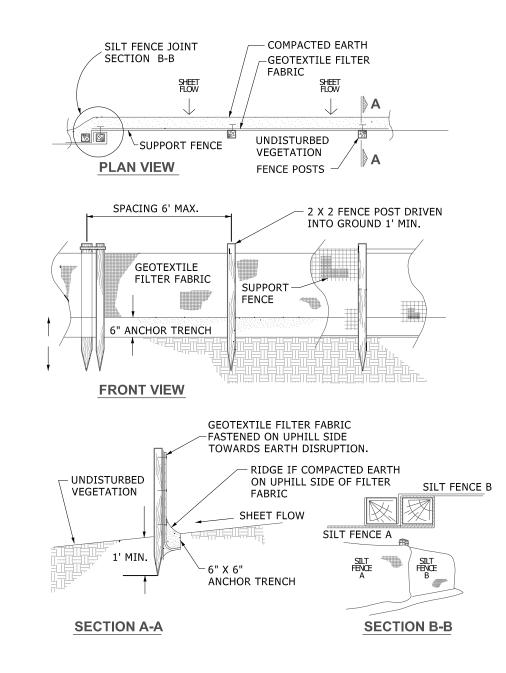
HOLE WIDTH = 2-3x WIDTH OF ROOTBALL

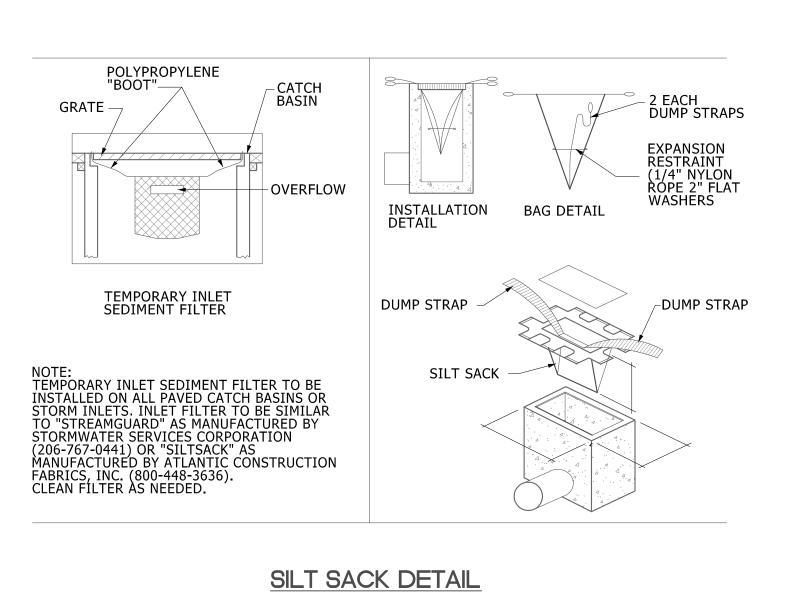
FLEXING.

• STAKE WITH 2 x 2 HARDWOOD STAKES, OR APPROVED EQUAL, DRIVEN 6"-8" OUTSIDE OF ROOTBALL. LOOSELY STAKE TREE TRUNK TO ALLOW FOR TRUNK

REMOVE ALL STAKING MATERIALS AFTER 1 YEAR.

HORIZONTALLY. DO NOT USE ROPE OR WIRE THROUGH A





TASKS	Catch Basin	Ditches &	Overflow Control	Rip-Rap	Filtration Basins	Storm Detention	Wetlands	SCHEDUL
	Inlet		Structures			Areas		
	Castings							
Inspect for sediment accumulation		X	X			X		Annually
Removal of sediment accumulation		X	X			X		Every 2 years as needed
Inspect for floatables and debris		X	X			X		Annually
Clearing of floatables and debris		Χ	Х			X		Annually
Inspection for erosion		Χ				Χ		Annually
Re — establish permanent vegetation on eroded slopes		Χ				X		As needed
Inspect Storm system components during wet weather and compare to as — built plans		Χ				X		Annually
Make adjustments or replacements as determined by annual wet weather inspection		Χ				X		As needed
Keep records of inspections and maintenance activities and report to owner.						X		Annually
Keep records of costs for inspections, maintenance & repairs. report to owner.						X		Annually

TASKS	Storm Sewer System	Catch Basin Sumps	Catch Basin Inlet	Ditches & Swales	Outlet Structures	SCHEDULE
	,	,	Castings			
Inspect for sediment accumulation	Χ	Χ	X	Χ	Χ	Weekly
Remove sediment accumulation	X	X	Χ	X	Χ	As needed & p to turnover
Inspect for floatables and debris	Χ	X	Χ		X	Quarterly
Clearing of floatables and debris	Χ	X	X		Χ	Quarterly & at turnover
Inspection for erosion				X		Weekly
Re—establish permanent vegetation on eroded slopes				X		As needed & p to turnover
Inspect Storm system components during wet weather and compare to as — built plans	X	X	X	X	X	Annually and at turnover
Make adjustments or replacements as determined by annual wet weather inspection	X	X	X	X	X	As needed

LONG TERM STORM WATER MAINTENANCE PLAN BUDGET

ITEM	ANNUAL COST
Inspection	\$250
Remove Sediment	\$500
Remove Debris	\$100
Repair Erosion	\$500
Record Keeping	\$100
Maintain Vegetation	\$500
Total Annual Cost	\$1,950

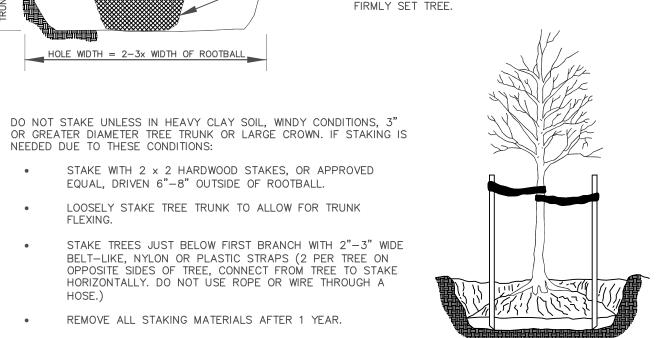
THE OWNER OF THE PROPERTY WILL BE RESPONSIBLE FOR STORM WATER MAINTENANCE.

SILT FENCE DETAIL

- DO NOT PRUNE TERMINAL LEADER OR BRANCH TIPS. - PRUNE AWAY DEAD OR BROKEN BRANCHES ONLY. - REMOVE ALL LABELS, TAGS, TREE WRAP, TAPE OR STRING FROM TREE TRUNK AND CROWN. -FOLD DOWN OR PULL BACK STRING, BURLAP, PLASTIC OR SOIL TO EXPOSE THE TRUNK FLARE. SET ROOTBALL SO THAT TRUNK FLARE IS LEVEL TO GRADE, OR VERY SLIGHTLY HIGHER IN CLAY SOIL. -MULCH 2"-3.5" DEEP LEAVING 3" CIRCLE OF BARE

- IF POSSIBLE, WITHOUT DISTURBING DEVELOPED ROOTS, FOLD DOWN OR CUT AWAY BURLAP TO EXPOSE ROOTBALL. REMOVE ALL NON-DEGRADABLE MATERIALS, CUTTING AWAY WIRE BASKET

-BREAK UP (SCARIFY) SIDES OF PLANTING HOLE. - CENTER ROOTBALL IN PLANTING HOLE. LEAVE BOTTOM OF PLANTING HOLE FIRM. DO NOT AMEND SOIL UNLESS PLANTING IN SEVERELY DISTURBED SOIL OR BUILDING RUBBLE. USE SHOVELS
AND WATER TO SETTLE SOIL AND REMOVE AIR POCKETS AND



NEW SEEDED AREA

PAVEMENT

EROSION CONTROL BLANKETS SHALL BE PLACED ON ALL NEWLY SEEDED AREAS WITH SLOPES OF 1V TO 3H OR STEEPER. THE BLANKETS SHALL BE HIGH VELOCITY EXCELSIOR MULCH BLANKETS OR HIGH

VELOCITY STRAW MULCH BLANKETS. NET ANCHORS SHALLBE PLACED AT MINIMUM INTERVALS OF 30 INCHES ALONG ALL JOINTS UNLESS
MANUFACTURER'S RECOMMENDATIONS REQUIRE

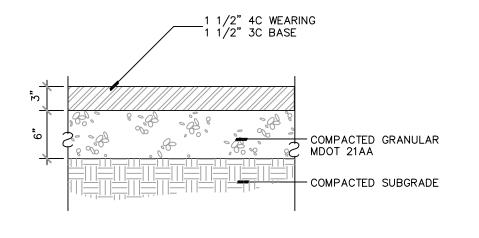
NEW SEED AREA

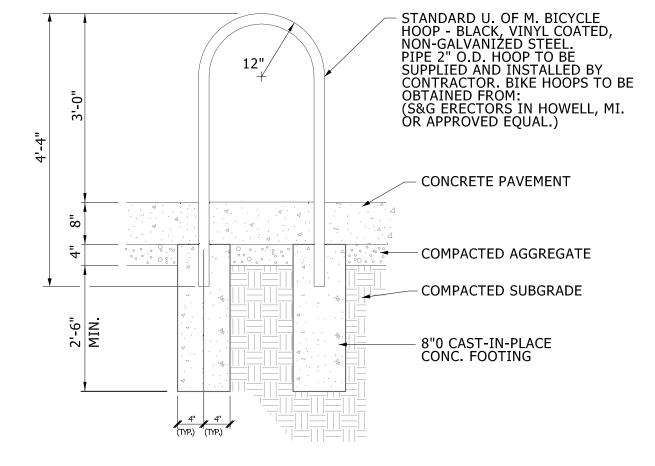
4" NEW TOPSOIL

ROTOTILLED OR SCARIFED SOIL

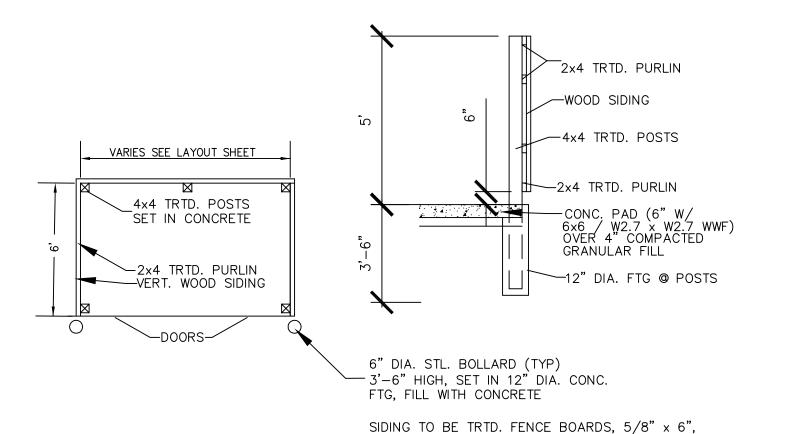
CLOSER SPACING.

EXISTING GRADE









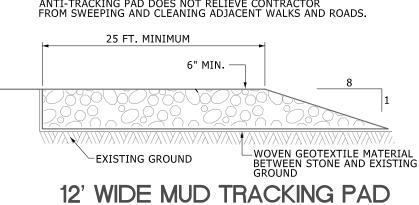
TRASH CART ENCLOSURE

SPACED 1/4" APART. ALL EXPOSED WOOD & STEEL

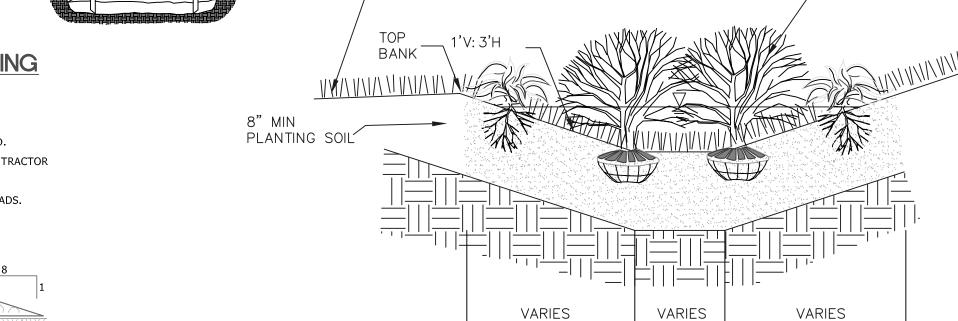
TO BE PAINTED W/ (2) COATS EXTERIOR LATEX; COLOR AS SELECTED BY OWNER.

TREE PLANTING

CONTRACTOR TO INSTALL & MAINTAIN ANTI-TRACKING PAD. WHEN AGGREGATE BECOMES SATURATED WITH FINES, CONTRACTOR TO SCARIFY AND RELAY AGGREGATE. ANTI-TRACKING PAD DOES NOT RELIEVE CONTRACTOR FROM SWEEPING AND CLEANING ADJACENT WALKS AND ROADS.



Know what's below. Call before you dig.



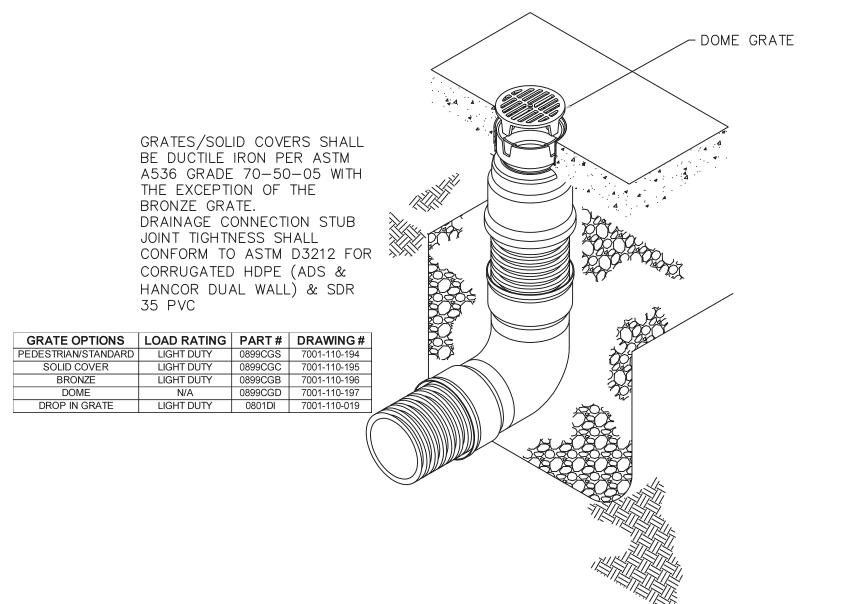
- GRADES

BLEND GRADES TO MATCH EXISTING

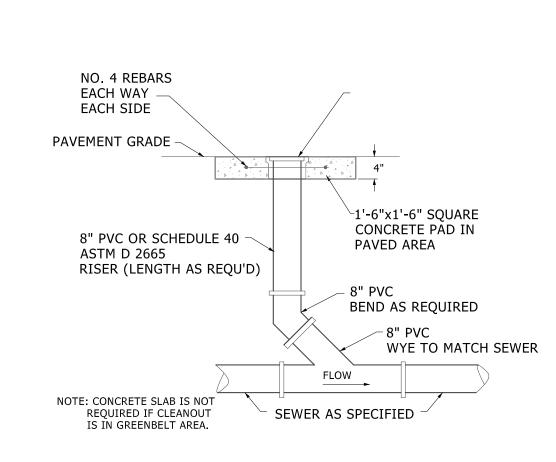
A Topsoil planting mix in infiltration area shall be stockpiled or from offsite and shall be screened and meet the following criteria: pH range between 5.5 — 6.5 organic content between 5 and 30% sand 30-50%

clay content less than 5%

RAIN GARDEN CROSS-SECTION



NYLOPLAST INLINE YARD DRAIN



SEWER CLEANOUT

Know what's below. Call before you dig. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYS MAKES NO QUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRAINT THAT THE SURVEYOR FURTHER DOES NOT WARRAINT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACQUIRATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

KEINATH ENGINEER

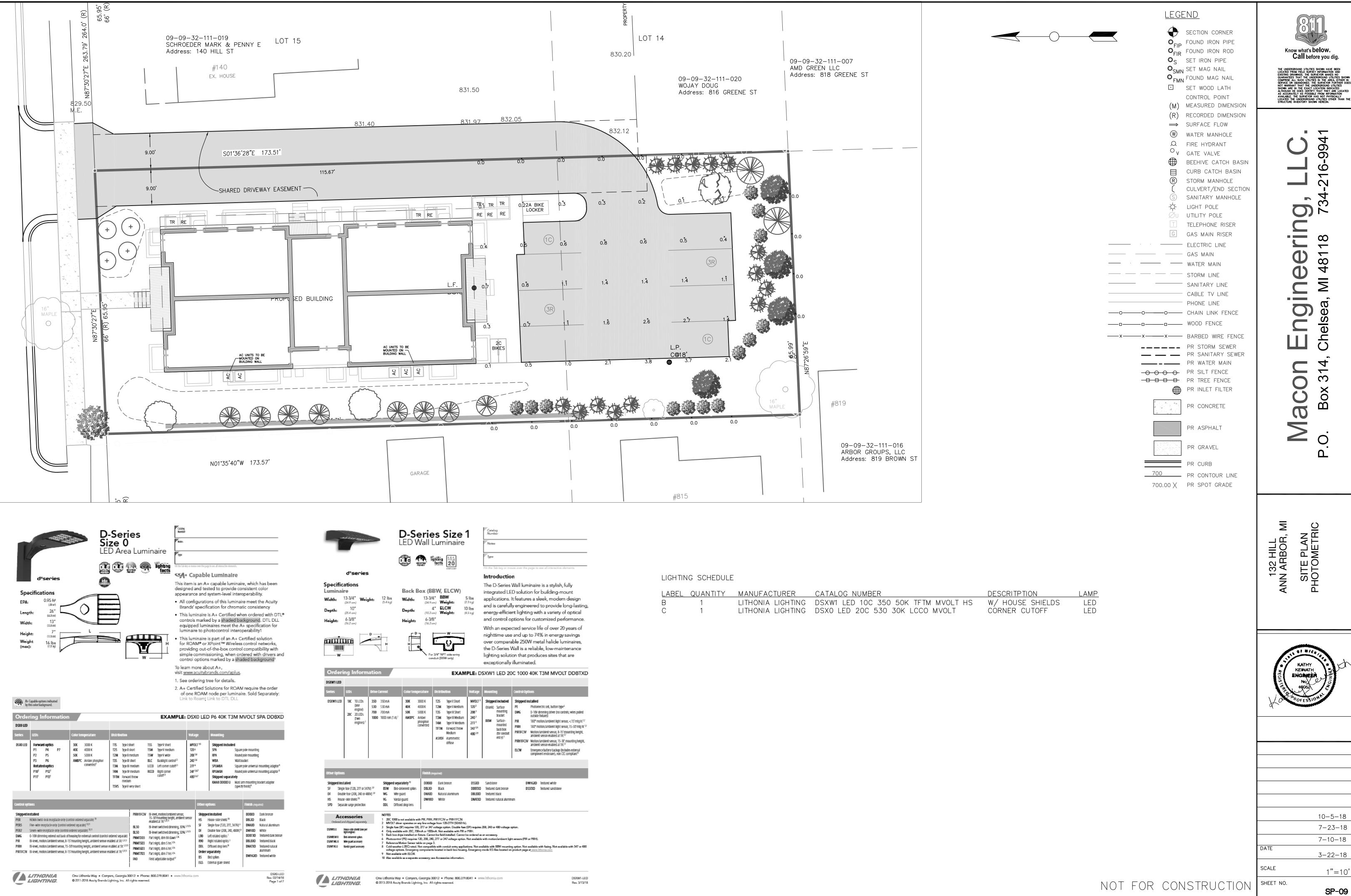
132 HILL ANN ARBOR,

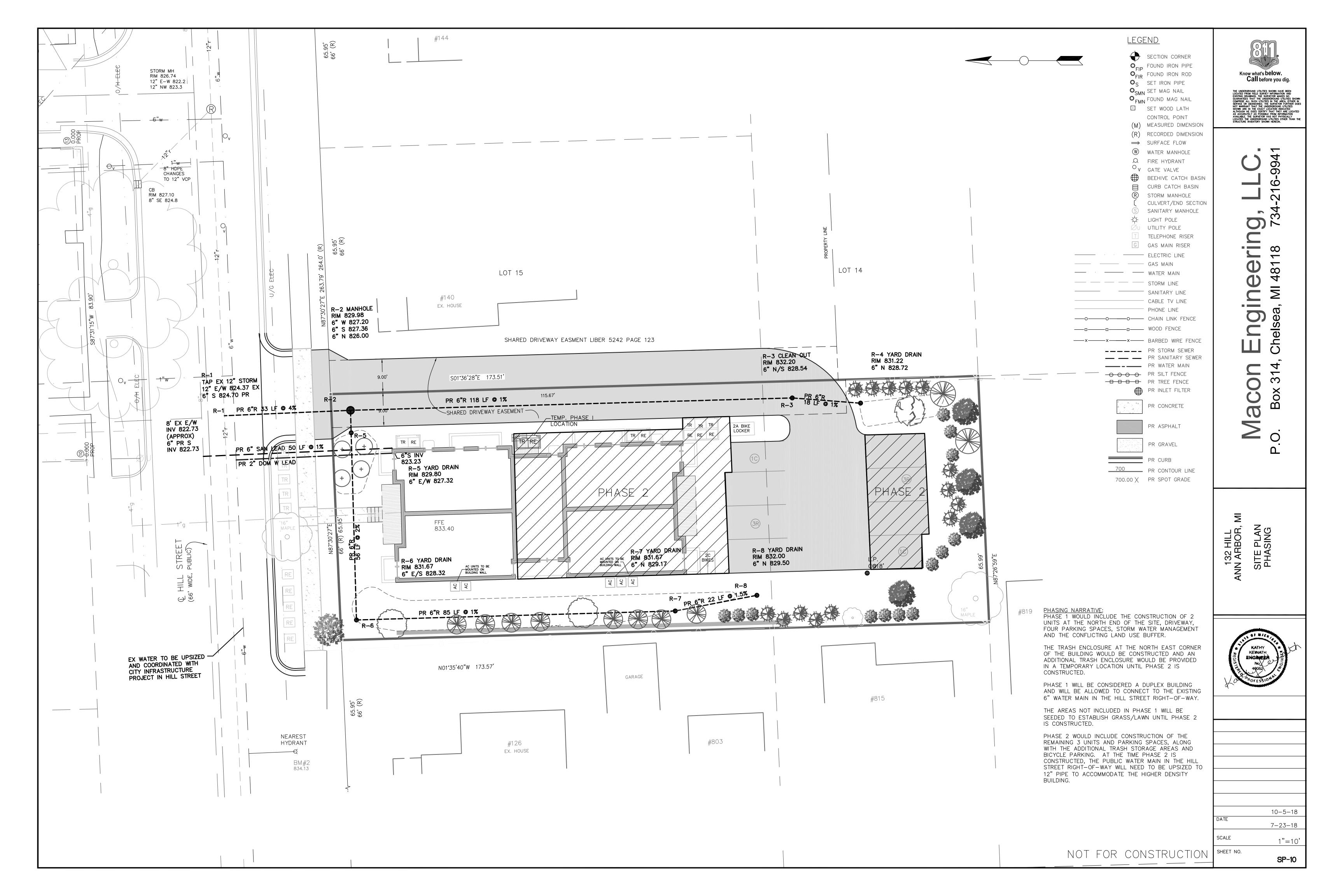
10-5-18 7-23-18 7-10-18 6-7-18 3-22-18 SCALE

SHEET NO.

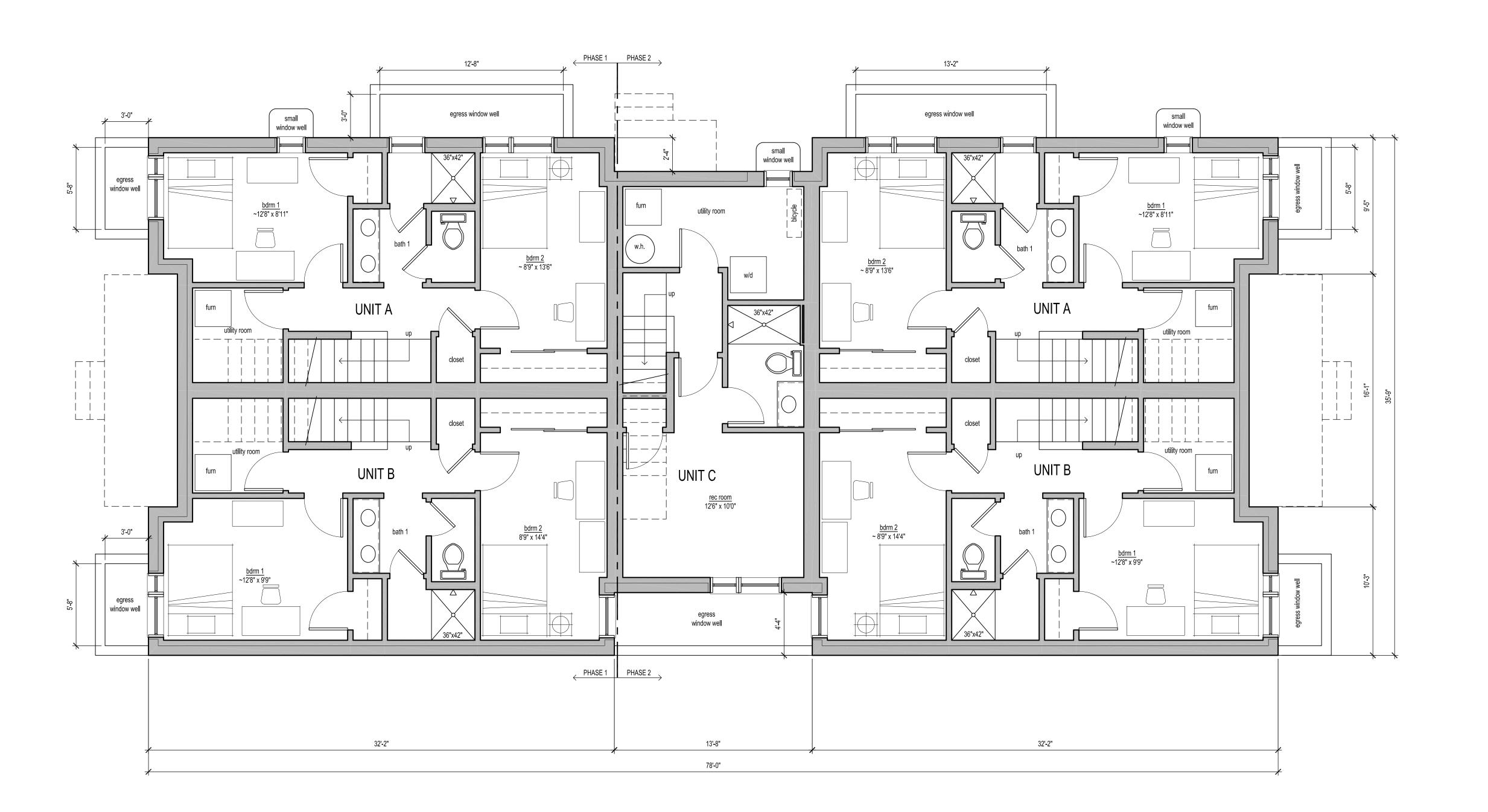
1"=10'

SP-08









M iller Building

Hill Street Townhomes

132 Hill Street Ann Arbor MI 48104

project no: 170

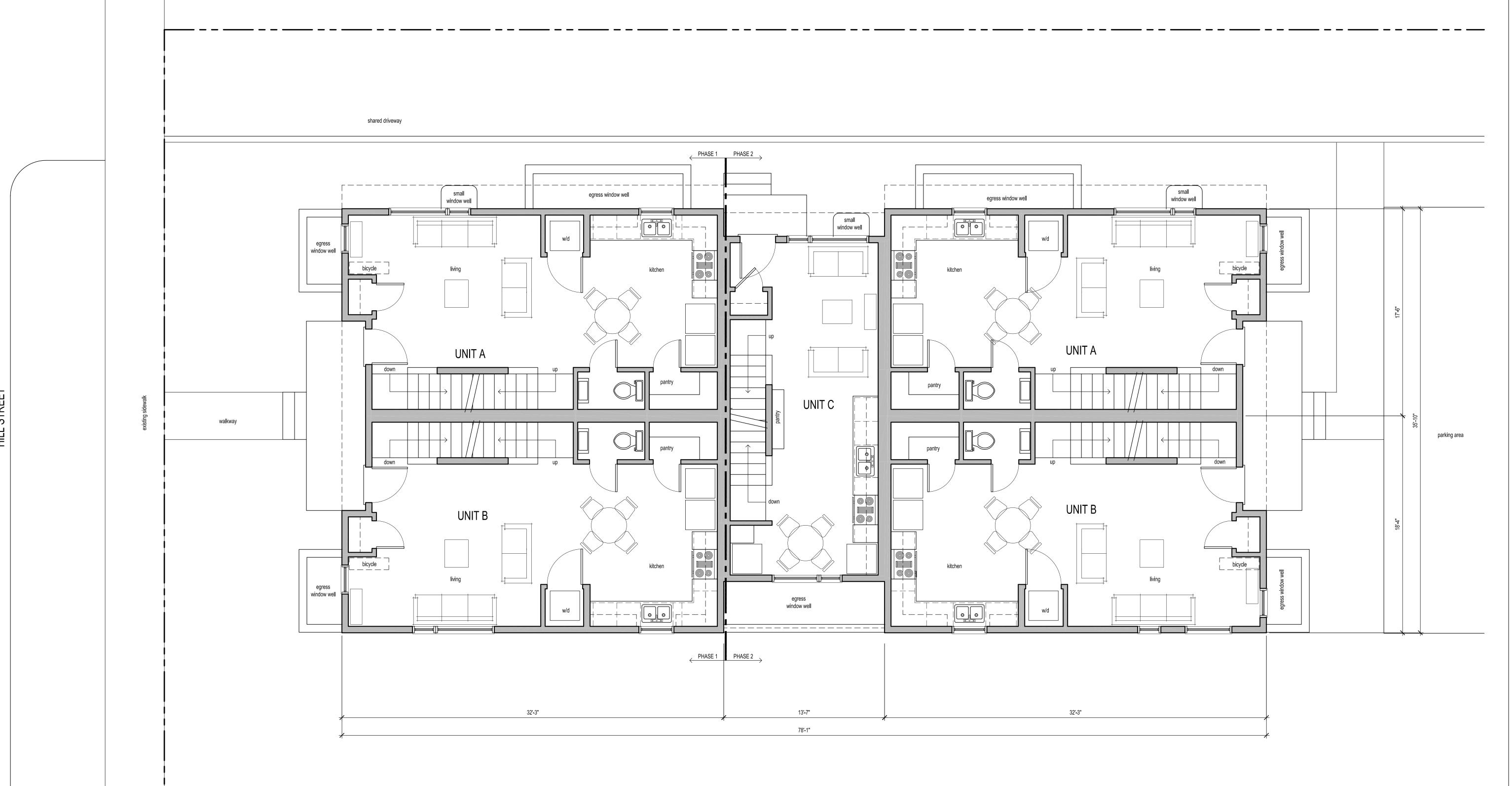
issue no:

Planning Dept. Review 22 Mar '18
Planning Dept. Review 1 Jun '18
Site Plan Approval 23 Jul '18

A2.1

BASEMENT PLAN





Miller Building

Hill Street Townhomes

132 Hill Street Ann Arbor MI 48104

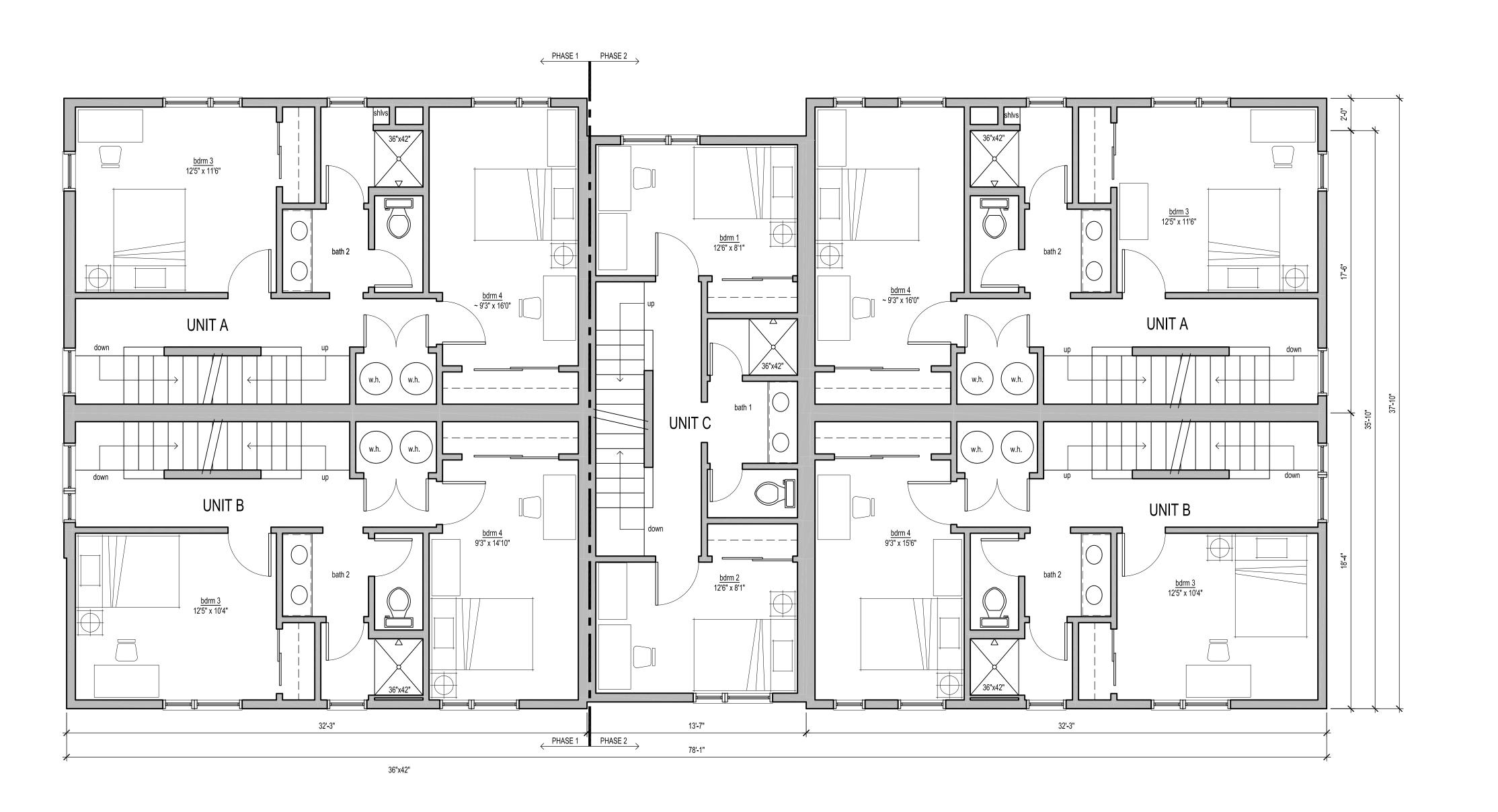
project no: 170

e no:

Planning Dept. Review 22 Mar '18
Planning Dept. Review 1 Jun '18
Site Plan Approval 23 Jul '18

A2.2





M iller Building

| Hill Street| Townhomes

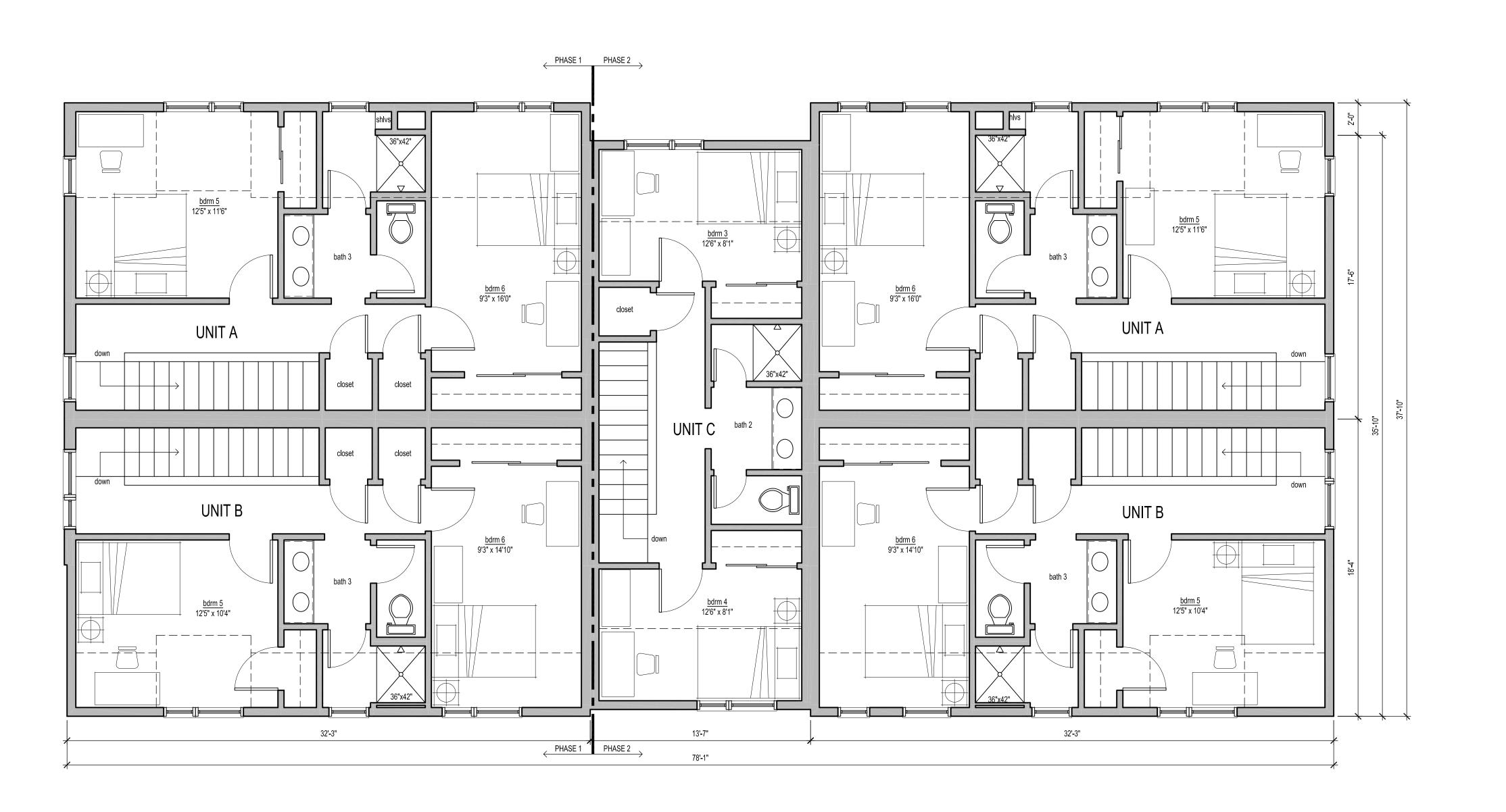
132 Hill Street Ann Arbor MI 48104

project no:

Planning Dept. Review 22 Mar '18
Planning Dept. Review 1 Jun '18
Site Plan Approval 23 Jul '18

A2.3





M iller Building

Hill Street Townhomes

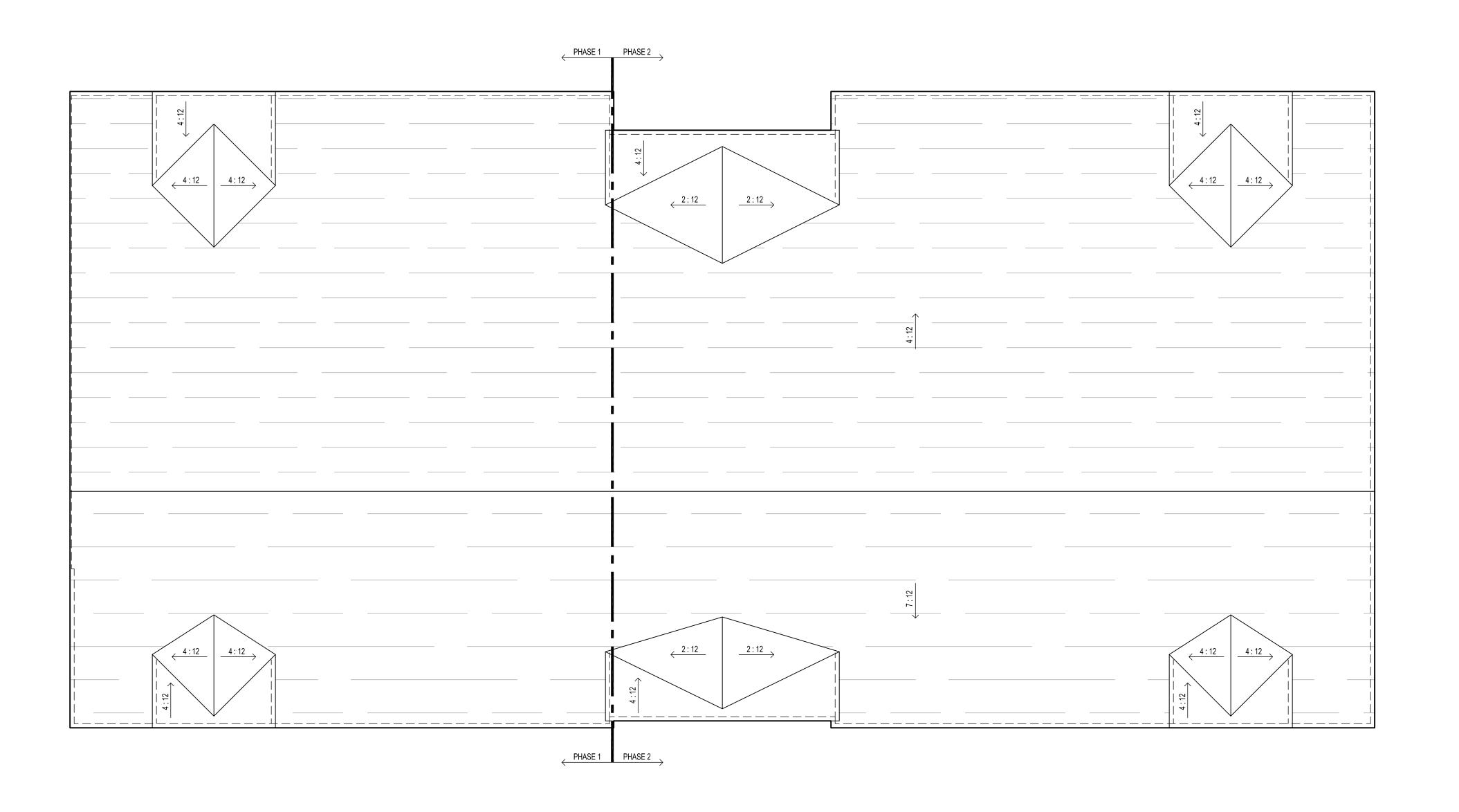
132 Hill Street Ann Arbor MI 48104

project no:

Planning Dept. Review 22 Mar '18
Planning Dept. Review 1 Jun '18
Site Plan Approval 23 Jul '18

A2.4





M iller Building

Hill Street Townhomes

132 Hill Street Ann Arbor MI 48104

A2.5

ROOF PLAN



L·G·A

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M iller Building

Hill Street Townhomes

132 Hill Street Ann Arbor MI 48104

project no: 17013

issue no:

Planning Dept. Review 22 Mar '18
Planning Dept. Review 1 Jun '18
Site Plan Approval 23 Jul '18

A3.1

EXTERIOR ELEVATIONS