### PLANNING AND DEVELOPMENT SERVICES STAFF REPORT

For Planning Commission Meeting of December 18, 2018

### SUBJECT: 830 Henry Street Site Plan for City Council Approval Project No. SP18-040

### PROPOSED CITY PLANNING COMMISSION MOTION

The Ann Arbor City Planning Commission hereby recommends that the Mayor and City Council approve the 830 Henry Street Site Plan.

### STAFF RECOMMENDATION

Staff recommends that the site plan petition be **approved** because the contemplated development would comply with all applicable state, local and federal law, ordinances, standards and regulations; the development would limit the disturbance of natural features to the minimum necessary to allow a reasonable use of the land; the development would not cause a public or private nuisance and would not have a detrimental effect on the public health, safety or welfare.

### LOCATION

This site is located on the southwest intersection of Henry Street and S. Industrial Highway. It is in the <u>South Area</u> planning area and the Malletts Creek watershed. Ward 4.

### **DESCRIPTION OF PETITION**

The petitioners seek approval to demolish three rental structures totaling approximately 5,975square feet and construct a new three-story, 26,000-square foot eleven-unit apartment building built in one phase. Four lots are to be combined for a lot area of 25,235-square feet and are zoned R4C, Multiple-Family Residential. The eleven proposed units would each have six bedrooms and are intended to be student rentals.

The four lots currently have three driveways off Henry Street. The site plan proposes closing these curb cuts and utilizing one curb cut on the west side of the site off Henry Street. This drive leads to eighteen parking spaces located below grade. Class A and B bicycle parking spaces are also proposed below grade with 4 Class C spaces located at the South Industrial building entrance. Estimated cost of this development is \$5,500,000.

There is one 27-inch Black Walnut landmark tree located on the southeast corner of the site that is to be removed. The petitioner proposes planting more mitigation trees than is required by code, which are planted throughout the site.

A 15-foot wide conflicting land use buffer (CLUB) is required along the south side and the western rear of the property as this site is adjacent to residential uses.

The proposed site layout is more than 10,000 square feet and less than 15,000 square feet of impervious surface, which requires detention for a bankfull storm event. The proposed storm water plan includes a rain garden located in the southwest corner yard area to collect storm run-off along the west side of the side. Catch basins lead to two subgrade open-bottom tanks located along the north property line that infiltrate into the soil. Infiltration takes place for both the underground system and the rain garden.

### **CITIZEN PARTICIPATION**

The petitioner notified property owners and persons within 500 feet of the site by mail that a site plan petition was submitted. Staff received a call regarding concern with possible on-street parking due to this development and directed the neighbor to inquire about the neighborhood residential parking program.

	LAND USE	ZONING
NORTH	Parks & Vacant	PL (Public Land)
EAST	Parks and Medical Office	PL & O (Office)
SOUTH	Residential Multiple-Family	R3 (Townhouse District)
WEST	Residential Single & Multiple- Family	R4C (Multiple Family District)

### SURROUNDING LAND USES AND ZONING

		EXISTING	PROPOSED	REQUIRED/PERMITTED
Zoning		R4C Multiple Family	R4C Multiple Family	R4C Multiple Family
Gr	oss Lot Area	25,235 sq ft*	25,235 sq ft*	8,500 sq ft
	nimum Lot dth	143 ft	143 ft	60 ft
	nimum Open ace	NA	43%	40%
Active Open Space		NA	986 sq ft/dwelling unit	300 sq ft/dwelling unit
S	Henry St	22-25 ft	20.3 ft **	25 ft**
Setbacks	S. Industrial	Vacant	23.5 ft**	25 ft**
Setl	Side	NA	21 ft***	12 ft***
	Rear	ar NA 30 ft		30 ft
Bu	ilding Height	2-stories	29.7 ft	30 ft MAX
Ve	hicle Parking	1 space/dwelling	18 spaces	17 spaces MIN
Bicycle Parking		NA	6- Class A 10- Class B 4- Class C	2 Class A MIN 1 Class B MIN

### **COMPARISION CHART**

\*Combined Lots \*\*Averaged front setback \*\*\*Additional side setback required for building length over 50 ft.

### HISTORY AND PLANNING BACKGROUND

The three homes to be removed are currently rental units and were all built in the 1920's. The <u>Master Plan: Land Use Element</u> recommends multiple-family uses for these sites.

### SERVICE UNIT COMMENTS

<u>Engineering</u> – As the project proposes a new domestic and fire service connection, the applicant must submit a backflow prevention and metering arrangement drawing for the City to review and approve prior to the start of construction. Approval of site or construction plans by the City does not relieve the applicant of complying with City standards on backflow prevention and metering. It is the responsibility of the applicant to submit appropriate plans to the City for review when available, and no later than the start of construction.

<u>Parks</u> - Parks requests a \$6,875 contribution based on 11 dwelling units to be used on any of the following parks: Rose, White or Frisinger.

<u>Planning</u> - The proposed structure meets the minimum required front, side and rear setbacks of the R4C zoning district, and meets the rear and southern side setback requirements with 15-foot wide conflicting land use buffers (CLUB). Before issuance of permits, the four lots are to be combined.

Staff supports redevelopment of this site as multiple-family residential. The proposed redevelopment of this site will result in residential uses consistent with the neighborhood. Onstreet parking exists along Henry Street and bus stops are nearby on E. Stadium Blvd.

Prepared by Chris Cheng Reviewed by Brett Lenart 12/12/18

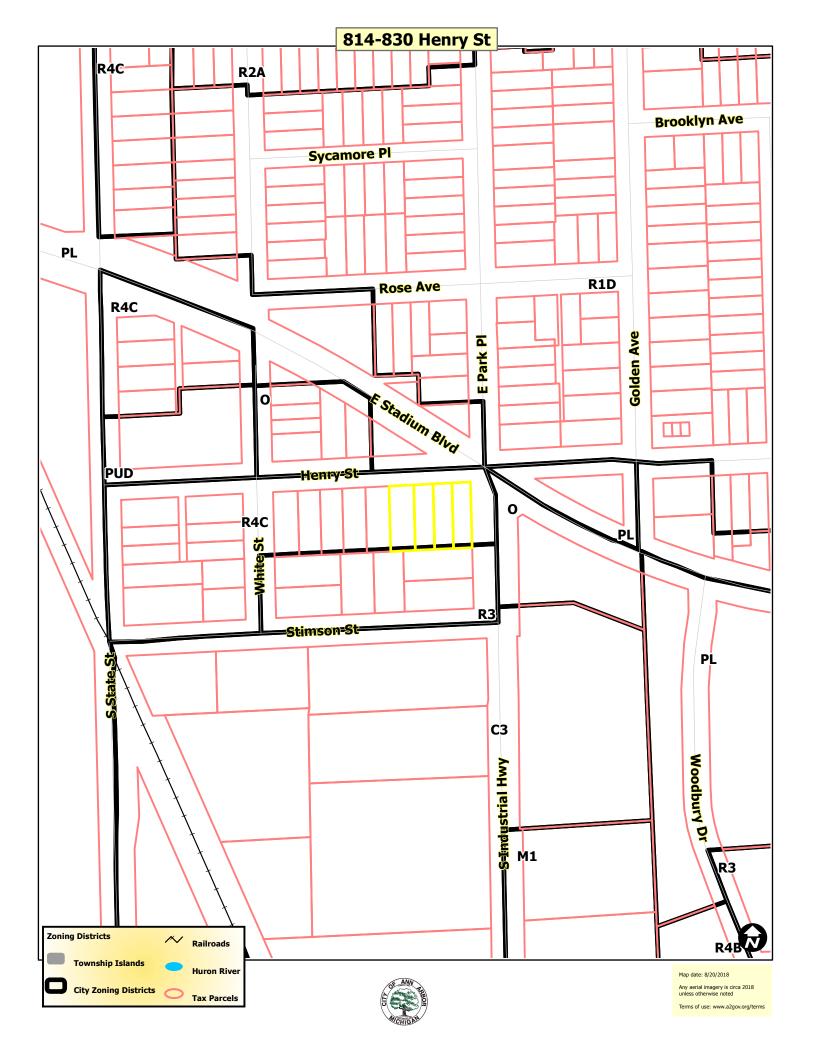
- Attachments: Parcel and Zoning Map <u>Aerial Photo</u> <u>Site Plan/Landscape Plan/Floor Plan/Elevations</u> <u>Public Notification</u> <u>830 Henry Draft Development Agreement</u> Criteria for Residential Parking
- c: Petitioner: Prentice Partners Ann Arbor, LLC (Heidi Mitchell) PO Box 70 Port Costa, CA

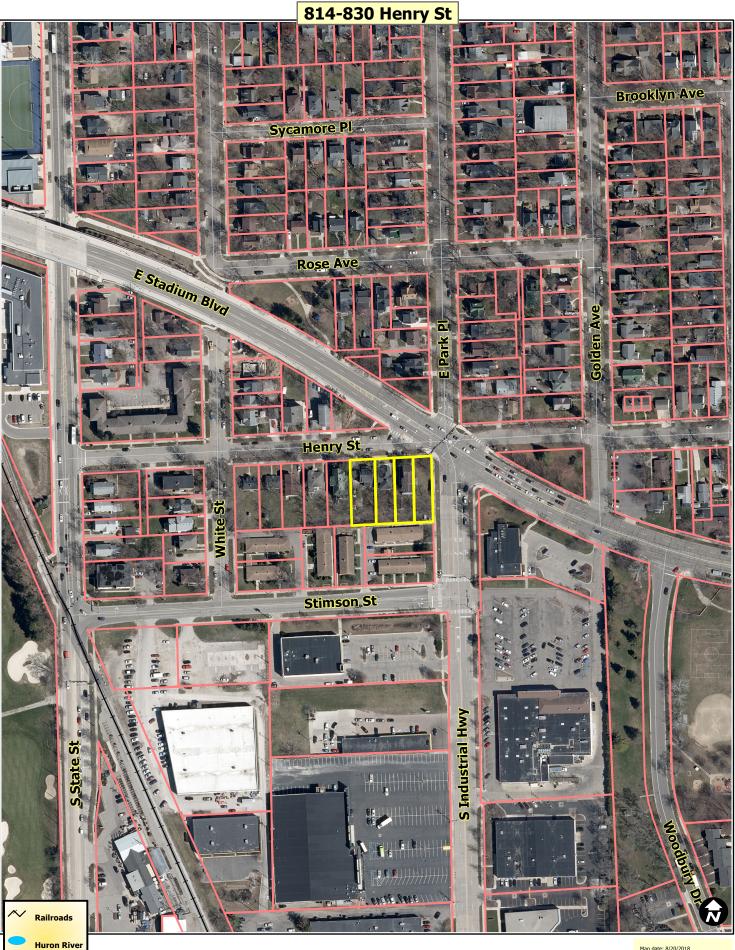
Petitioner's Agents:Matt Bush, PE Atwell, LLC 311 N. Main St. 830 Henry Street Site Plan Page 4

Ann Arbor, MI 48104

Robb Burroughs OX Studios Inc. 302 S. State St. Ann Arbor, MI 48104

Project No. SP18-040





OF ANN FR

Tax Parcels

Map date: 8/20/2018 Any aerial imagery is circa 2018 unless otherwise noted Terms of use: www.a2gov.org/terms

# 814-830 Henry St





Tax Parcels

Map date: 8/20/2018 Any aerial imagery is circa 2018 unless otherwise noted Terms of use: www.a2gov.org/terms

# SITE PLAN HENRY STREET RESIDENTIAL DEVELOPMENT

# DEVELOPMENT TEAM

OWNER / APPLICANT PRENTICE PARTNERS 17 CANYON LAKE DRIVE PORT COSTA, CA PHONE: 614.205.2509 ATTN: HEIDI MITCHELL EMAIL: HCAROLINE19@GMAIL.COM

# ENGINEER / LANDSCAPE

ATWELL, LLC 311 N. MAIN ST. ANN ARBOR, MICHIGAN 48104 PHONE: 734.994.4000 ATTN: MATTHEW W. BUSH, PE, LEED AP EMAIL: MBUSH@ATWELL-GROUP.COM

### ARCHITECT OX STUDIO INC.

OX STUDIO INC. 302 SOUTH STATE STREET ANN ARBOR, MICHIGAN 48104 CONTACT: ROBB BURROUGHS PHONE: 734.929.9014 EMAIL: ROBB@OXSTUDIOINC.COM

# LAND DEVELOPMENT REGULATIONS

1. DEVELOPMENT PROGRAM

- a. THE PROPOSED IMPROVEMENTS CONSIST OF THE DEMOLITION OF THREE EXISTING BUILDINGS AND THE CONSTRUCTION OF A PROPOSED 3-STORY, 26,000 S.F. BUILDING.
- b. ALL IMPROVEMENTS WILL BE CONSTRUCTED IN ONE PHASE.
  c. ANTICIPATED SITE DEVELOPMENT COSTS \$5,500,000 (SUBJECT TO VARY).
- 2. COMMUNITY IMPACT
- a. THE PROPOSED DEVELOPMENT SHOULD NOT HAVE ANY IMPACT ON K-12 SCHOOL
- b. NO REZONING IS PROPOSED. THE CURRENT R4C ZONING IS COMPATIBLE WITH NEIGHBORING
   ZONING (R4C AND R2) AND NEIGHBORING USES.
- ZONING (R4C AND R3) AND NEIGHBORING USES.
  c. SIMILAR ADJACENT USES SHOULD HAVE NO SIGNIFICANT IMPACT ON THE PROPOSED DEVELOPMENT.
  d. THE PROPOSED DEVELOPMENT SHOULD HAVE NO SIGNIFICANT IMPACT ON AIR AND WATER QUALITY. EXISTING TREES ON-SITE WILL BE PRESERVED WHERE POSSIBLE. TREES THAT MUST BE REMOVED WILL BE REPLACED PER CITY OF ANN ARBOR STANDARDS. IMPROVEMENTS WILL BE MADE TO BRING THE SITE IN COMPLACENCE WITH CURRENT STORM WATER MANAGEMENT STANDARDS
- THE SITE IN COMPLACENCE WITH CURRENT STORM WATER MANAGEMENT STANDARDS.
  e. THERE ARE NO KNOWN HISTORIC SITES OR STRUCTURES ON OR NEAR THE SITE.
  f. SOLID WASTE/GARBAGE HANDLING WILL OCCUR IN CITY STANDARD 6-CYD DUMPSTERS LOCATED IN AT THE END OF THE ENTRANCE DRIVE TO THE LOWER-LEVER PARKING AREA.
- g. 18 PARKING SPACES WILL BE PROVIDED IN THE LOWER-LEVEL PARKING AREA. THESE PARKING SPACES WILL BE COVERED.

## 3. SITE ANALYSIS

- a. CURRENT LAND USE IS RESIDENTIAL.
   b. SOILS IN THIS AREA ARE CLASSIFIED AS MATHERTON SANDY LOAM, 0% TO 4% SLOPES (MdA). EXISTING SITE CONDITIONS INCLUDING EXISTING SITE VEGITATION AND CONTOURS ARE SHOWN ON SHEET 02.
- c. NATURAL FEATURES
- (i) THERE IS NO ENDANGERED SPECIES HABITAT.
- (ii) THERE IS NO NEAR-BY 100 YEAR FLOODPLAIN, PER FEMA MAP PANEL 26161C0263E.
- (iii) THERE ARE FIVE LANDMARK TREES ON OR NEAR THE SITE. ONE OF THE LANDMARK TREES IS BEING REMOVED AND WILL BE REPLACED PER CITY OF ANN ARBOR STANDARDS.
- (iv) THERE ARE NO STEEP SLOPES ON-SITE. EXISTING CONTOURS ARE SHOWN ON SHEET 02.
- (v) THERE ARE NO WATERCOURSES ON OR NEAR THE SITE.
- (vi) THERE ARE NO WETLANDS ON OR NEAR THE SITE.
- (vii) THERE ARE NO WOODLANDS ON OR NEAR THE SITE.d. THERE ARE THREE EXISTING STRUCTURES ON THE SITE AS SHOWN ON SHEET 02. THE EXISTING BUILDINGS WILL BE DEMOLISHED.
- e. EXISTING VEHICULAR AND PEDESTRIAN WAYS ARE SHOWN ON SHEET 02.
- f. EXISTING AND PROPOSED UTILITIES AND RIGHTS-OF-WAY ARE SHOWN ON SHEET 02 AND SHEET 06.
   g. DRAINAGE IS COLLECTED INTO A PROPOSED STORM WATER SYSTEM DESIGNED TO INFILTRATE THE FIRST FLUSH STORM VOLUME AND DETAIN FOR THE BANKFULL VOLUME IN ACCORDANCE WITH CITY ORDINANCE 5:655.2

### 4. SCHEMATIC DESIGN

- a. A COMPARISON OF CITY REGULATIONS AND PROPOSED DEVELOPMENT IS SHOWN ON THIS SHEET.
- b. PROPOSED SPOT ELEVATIONS AND AREAS OF DISTURBANCE ARE SHOWN ON SHEET 07.
- c. ORIENTATION AND LOCATIONS OF IMPROVEMENTS ARE SHOWN ON SHEET 03.
- d. NO SIGNIFICANT CHANGE IN SLOPES IS PROPOSED.
  e. EXISTING PROPERTY LINES ARE SHOWN ON SHEET 02 AND SHEET 03. SETBACKS ARE SHOWN ON SHEET 03.
- f. EXISTING ZONING IS R4C. REZONING IS NOT BEING PROPOSED.
- g. THERE ARE NO CONDITIONS RESTRICTING THE PROPOSED DEVELOPMENT.
- h. LEGAL DESCRIPTION WITH TOTAL ACREAGE IS SHOWN ON THIS SHEET.
- i. NO NEW PUBLIC ROADS ARE PROPOSED.

### 5. TRAFFIC

a. THERE ARE 18 PRIVATE ON-SITE PARKING SPACES PROPOSED, AND ARE INTENDED FOR RESIDENTS OF THE PROPOSED BUILDING ONLY. IT IS ANTICIPATED THAT THE NEW CONSTRUCTION WILL GENERATE LESS THAN 50 VEHICLE TRIPS PER PEAK HOUR TO THE SITE. THEREFORE, A TRAFFIC IMPACT ANALYSIS WOULD NOT BE REQUIRED. REFER TO "TRIP GENERATION ANALYSIS" PREPARED BY FLEIS AND VANDENBRINK, DATED NOVEMBER 19, 2018.

# CONSTRUCTION NOTES

- 1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES STANDARD SPECIFICATIONS.
- 2. THE OMISSION OF ANY STANDARD DETAILS DOES NOT RELIEVE THE CONTRACTORS OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THE PUBLIC SERVICES STANDARD SPECIFICATIONS.
- 3. PAVEMENT MARKINGS DISTURBED DUE TO PAVEMENT CUTS OR CONSTRUCTION RELATED ACTIVITIES SHALL BE REPLACED AS DIRECTED BY CITY ENGINEERING. REPLACEMENT DURING CONSTRUCTION OF THE PROJECT MAY BE CONSIDERED TEMPORARY, WITH FINAL PAVEMENT MARKING RESTORATION TO OCCUR AT THE END OF THE PROJECT.
- 4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING PUBLIC ROAD PAVEMENT. DAMAGE TO THE PUBLIC ROAD PAVEMENT DURING THE COURSE OF CONSTRUCTION MAY NECESSITATE MILLING AND RESURFACING OF THE DAMAGED AREAS PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.



# CITY OF ANN ARBOR, WASHTENAW COUNTY, MICHIGAN

814-830 HENRY STREET

# LEGAL DESCRIPTION

(PROVIDED BY OTHERS)

### PARCEL 1:

THE LAND SITUATED IN THE CITY OF ANN ARBOR, COUNTY OF WASHTENAW, STATE OF MICHIGAN IS DESCRIBED AS FOLLOWS: THE WEST 37.675 FEET OF LOT 6, AND THE EAST 15.95 FEET OF LOT 5, BLOCK 9, HAMILTON ROSE & SHEEHAN'S ADDITION TO THE CITY OF ANN ARBOR, ACCORDING TO THE RECORDED PLAT THEREOF, AS RECORDED IN LIBER 1 OF PLAT(S), PAGE 24, WASHTENAW COUNTY RECORDS. (AS REFERENCED IN COMMITMENT NO. LIB102966)

### PARCEL 2:

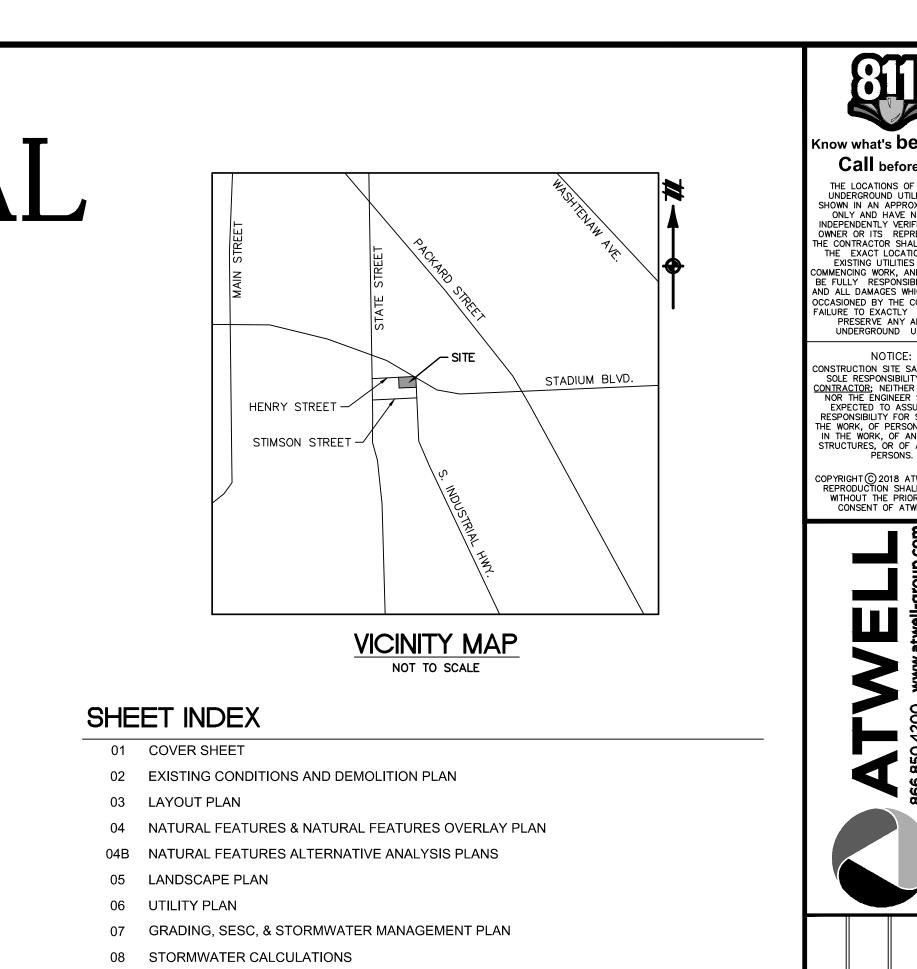
THE LAND SITUATED IN THE CITY OF ANN ARBOR, COUNTY OF WASHTENAW, STATE OF MICHIGAN IS DESCRIBED AS FOLLOWS: WEST 26 FEET OF LOT 7 AND EAST 16 FEET OF LOT 6, BLOCK 9, HAMILTON, ROSE AND SHEEHAN'S ADDITION, ACCORDING TO THE RECORDED PLAT THEREOF, AS RECORDED IN LIBER 1 OF PLAT(S), PAGE 24, WASHTENAW COUNTY RECORDS. (AS REFERENCED IN COMITMENT NO. LIB103865)

### PARCEL 3:

THE LAND SITUATED IN THE CITY OF ANN ARBOR, COUNTY OF WASHTENAW, STATE OF MICHIGAN IS DESCRIBED AS FOLLOWS: EAST 26 FEET OF LOT 7 AND ALL OF LOT 8, HAMILTON, ROSE AND SHEEHAN'S ADDITION, ACCORDING TO THE RECORDED PLAT THEREOF, AS RECORDED IN LIBER 1 OF PLAT(S), PAGE 24, WASHTENAW COUNTY RECORDS.

### COMBINED PARCEL DESCRIPTION:

THE LAND SITUATED IN THE CITY OF ANN ARBOR, COUNTY OF WASHTENAW, STATE OF MICHIGAN IS DESCRIBED AS FOLLOWS: THE EAST 15.95 FEET OF LOT 5 AND ALL OF LOTS 6, 7 AND 8, BLOCK 9, HAMILTON ROSE AND SHEEHAN'S ADDITION, ACCORDING TO THE RECORDED PLAT THEREOF, AS RECORDED IN LIBER 1 OF PLAT(S), PAGE 24, WASHTENAW COUNTY RECORDS.



- 09 DETAIL SHEET
- 10 CITY OF ANN ARBOR DETAILS
- 11 CITY OF ANN ARBOR SOLID WASTE DETAILS
- A-01 TITLE SHEET
- A-02 UNIT PLAN
- A-03 TYPICAL UNIT FLOOR PLANS
- A-04 EXTERIOR ELEVATIONS
- A-05 BUILDING SECTION
- A-06 EXTERIOR RENDERING
- A-07 EXTERIOR RENDERING
- A-08 BICYCLE PARKING DETAILS

# PROJECT DESCRIPTION

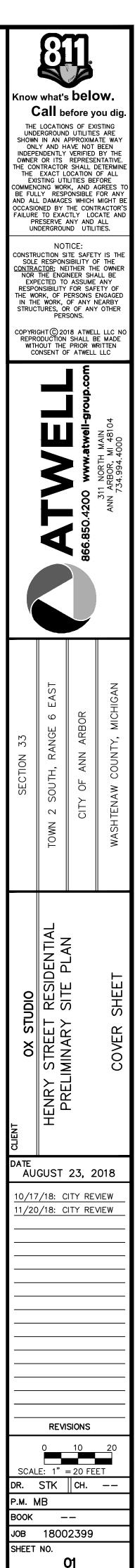
THE PETITIONER/APPLICANT IS RESPECTFULLY REQUESTING APPROVALS FOR SITE IMPROVEMENTS INVOLVED IN THE REDEVELOPMENT OF THE PROPERTY LOCATED AT 814, 818, AND 824 HENRY STREET. THE PROPOSED IMPROVEMENTS INCLUDE THE THE CONSTRUCTION OF A 3-STORY FOR-RENT APARTMENT LIVING. THE EXISTING BUILDINGS ON THE PROPERTY WILL BE DEMOLISHED. A STORM WATER MANAGEMENT SYSTEM IS BEING PROPOSED WITH THE INTENT TO BRING THE SITE IN CURRENT COMPLIANCE WITH THE CITY OF ANN ARBOR REQUIREMENTS. THE PARKING WILL BE PLACED UNDERGROUND BENEATH THE BUILDING TO ALLOW FOR A REDUCTION IN SURFACE PARKING AND IMPERVIOUS AREAS.

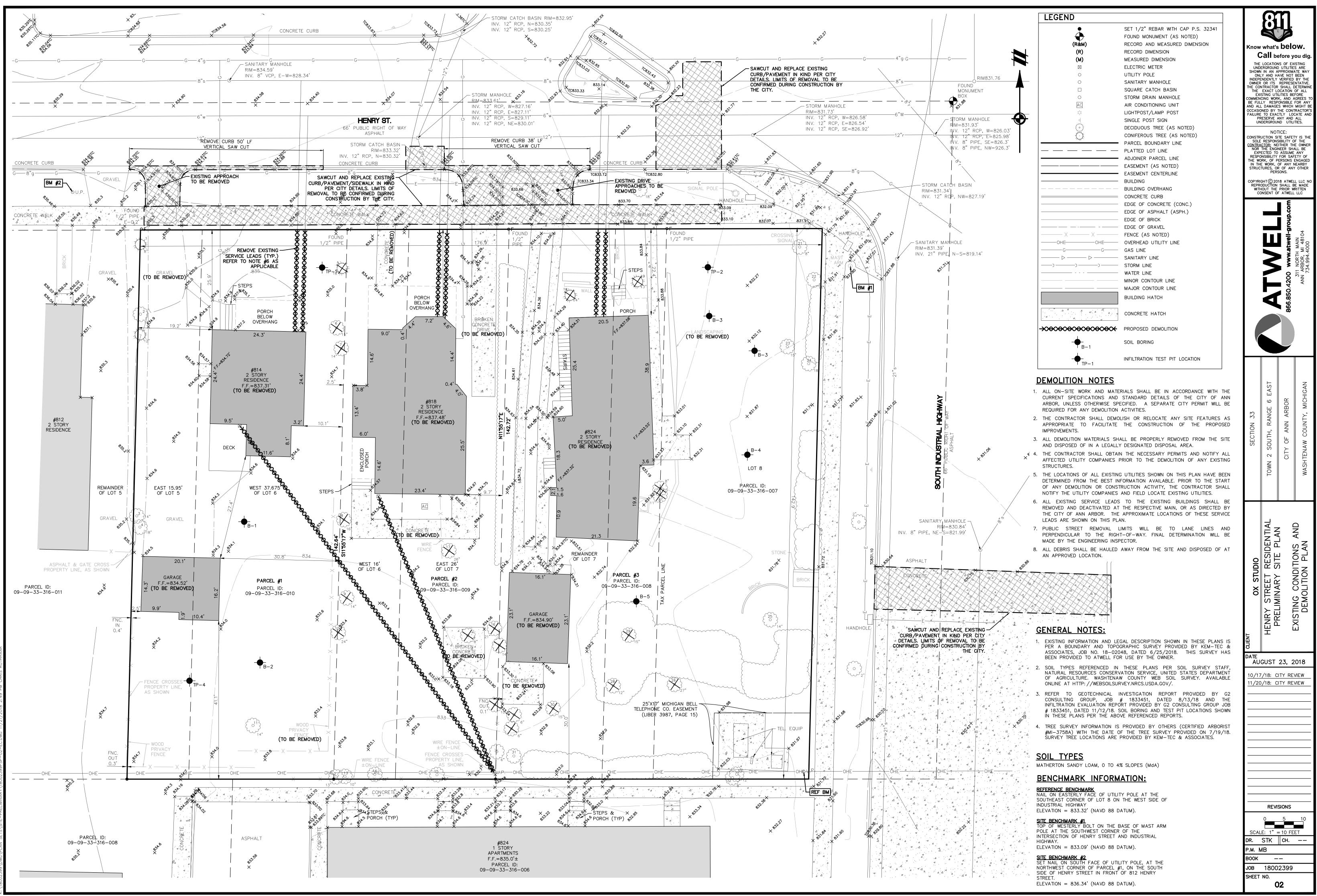
# **COMPARISON CHART**

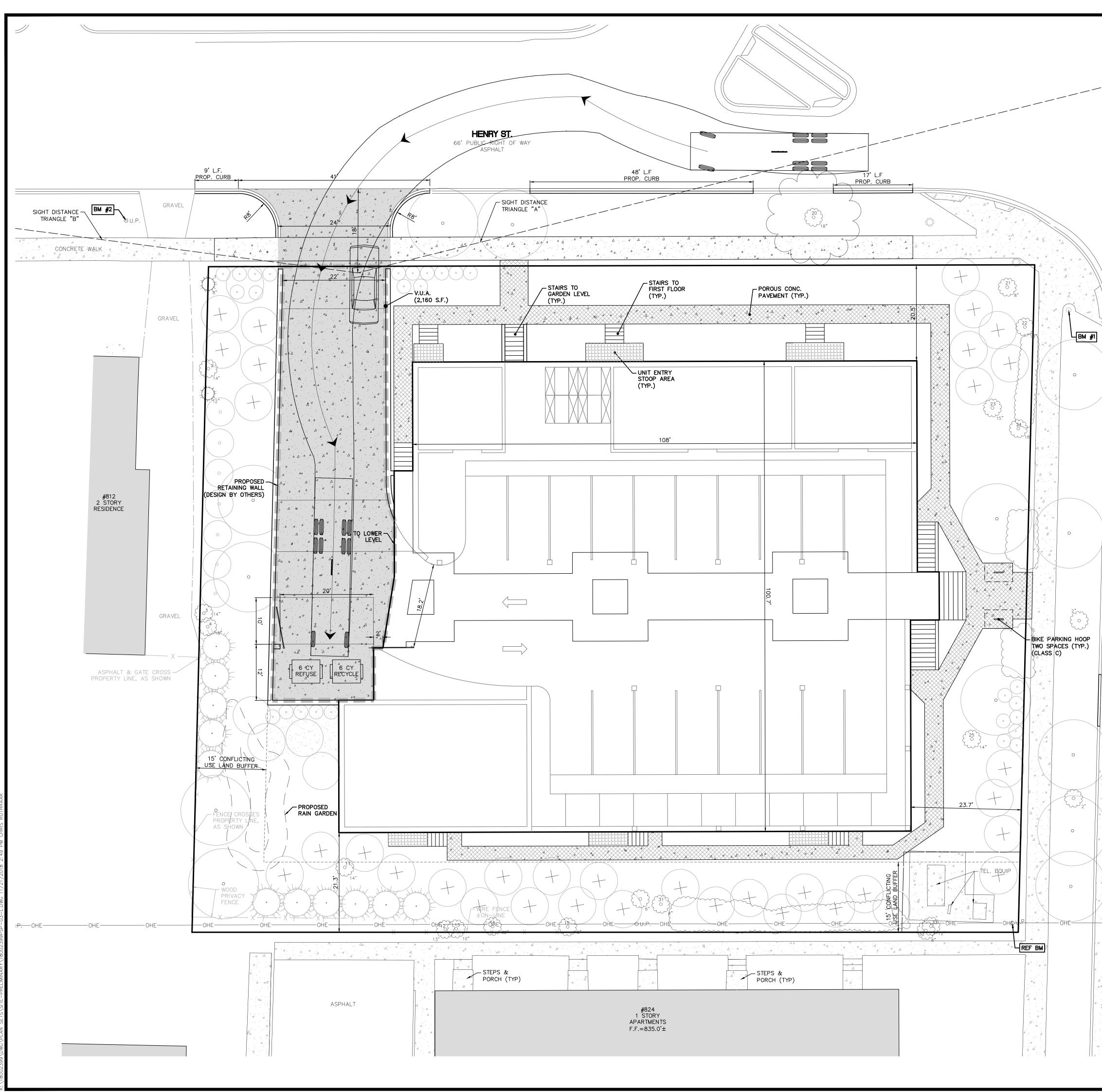
	EXISTING	REQUIRED	PROVIDED
ZONING			
	R4C: Multiple-Family	R4C: Multiple-Family	R4C: Multiple-Family
Zoning District	Dwelling District	Dwelling District	Dwelling District
			Direning Distinct
Gross Lot Area		25,235	25,235
Minimum Lot Size (in sq. ft.)	8,500	8,500	25,623
Minimum Lot Width (in ft.)	60	60	142.9
Minimum Lot Area Per			25,623 / 2,175 = 11.78 =
Dwelling Unit (in sq.ft.)	2,175 (20 DU/acres)	2,175	11 Dwelling Units
Minium Active Open Space		3,300 (300 sq. ft. /	
Per Unit (in sq. ft.)	-	unit)	10,851
Minimum Useable Open			
Space in Percentage of Lot	40%	40%	43%
SETBACKS			
Front Setback - Henry (ft.)	25	25	20.3 *
Front Setback - Industrial (ft.)	25	25	23.5 *
Side (in ft.)	12	21 **	21 **
Rear (in ft.)	30	30	30
BUILDING			
Maximum Height (in ft.)	30	30	29.7
PARKING			
Required Parking Spaces -			
Multiple Family	1.5 spaces/DU	17	18
Required Bicycle Spaces	1 space per 5 units	3	14
Required Bicycle Class	A: 50%; B: 50%	A: 50%; B; 50%	A: 6; B: 10; C: 4

\* Front yard setback determined by averaging adjacent structures on the same side of the street within 100' of the property boundary

\*\*Due to length of building being greater than 50 feet in length. Refer to sheet A-01 for calculation.







LEGEND	
	BOUNDARY LINE EXIST. EASEMENT SECTION LINE BOUNDARY/PROPERTY LINE EXIST. SETBACK EXIST. TREE LINE EXIST. CURB AND GUTTER EXIST. FENCE EXIST. GRAVEL
	EXIST. BUILDING
	EXIST. WETLAND BUFFER
	PROP. SETBACK PROP. BUILDING PROP. BUILDING INTERIOR PROP. WALL PROP. PARKING STRIPE PROP. BACK OF CURB
	EXIST. CONC. WALK
	PROP. CONC. WALK
	PROP. PERVIOUS CONC. WALK
	PROP. CONC. DRIVE

# **GENERAL LAYOUT NOTES:**

- 1. RADII DIMENSIONS MEASURED FROM THE BACK OF CURB UNLESS OTHERWISE NOTED.
- 2. THE PROPOSED PARKING AREA IS ENCLOSED (COVERED). THIS PARKING AREA DOES NOT QUALITY A PROPOSED VEHICULAR USE AREA UNDER CITY OF ANN ARBOR CODE OF ORDINANCES 5:601 AND NOT SUBJECT TO VEHICULAR USE AREA LANDSCAPING AND SCREENING REQUIREMENTS PER 5:602. PER 5:602 (2) V.U.A. IS LESS THAN 3,300 SQFT SO NO LANDSCAPE ISLANDS ARE REQUIRED. BIO-RETENTION IS NOT REQUIRED.
- 3. APPROXIMATE LIMITS OF PAVEMENT REMOVAL HAVE BEEN SHOWN. LIMITS OF PAVEMENT REMOVALS WILL BE DETERMINED DURING CONSTRUCTION BY CITY ENGINEERING. 4. BASEMENT WALL AND FOOTING LOCATIONS SHOWN AS APPROXIMATE PER THE ARCHITECT.
- THESE ITEMS MAY BE SUBJECT TO CHANGE BASED ON ADDITIONAL STRUCTURAL ANALYSIS AND DESIGN. 5. USEABLE OPEN SPACE AS SHOWN IS 10,800 SQUARE FEET (43%). THIS OPEN SPACE
- INCLUDES USABLE ONSITE PERIMETER PATHWAYS (POROUS CONCRETE) AND SETBACKS. 6. SIGHT DISTANCE TRIANGLES SHOWN FOR A 3.5' EYE HEIGHT IN ACCORDANCE WITH MDOT TRAFFIC AND SAFETY STANDARDS, FEBUARY 6, 2008 (2004 AASHTO, EXHIBITS 9-55,
- 661). 6.1. SIGHT DISTANCE A: 335' SIGHT DISTANCE TO CL NEAREST NB LANE (SPEED LIMIT 25 MPH; DESIGN SPEED 30 MPH) 6.2. SIGHT DISTANCE B: 335' SIGHT DISTANCE TO CL NEAREST SB LANE (SPEED LIMIT 25 MPH; DESIGN SPEED 30 MPH). SHOWN BUT NOT NECESSARY FOR TRAFFIC ANTICIPATION, AS HENRY STREET IS AN EAST TO WEST ONE-WAY ROAD.

# SIDEWALK REPAIR AND MAINTENANCE NOTES:

- . ALL SIDEWALKS AREA TO BE KEPT AND MAINTAINED IN GOOD REPAIR BY THE OWNER OF THE LAND ADJACENT TO AND ABUTTING THE SAME. PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY FOR THIS SITE, ALL EXISTING SIDEWALKS IN NEED OF REPAIR MUST BE REPAIRED IN ACCORDANCE WITH CITY STANDARDS.
- . ALL SIDEWALKS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY AND/OR PUBLIC PATHS SHALL MEET ALL REQUIREMENTS AND GUIDELINES AS SET FORTH IN THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

# **BUILDING SETBACKS:**

FRONT SETBACK (HENRY ST.): FRONT SETBACK (INDUSTRIAL HWY.): 23'-5" (AVERAGE EXISTING PER 5:57)\* SIDE YARD SETBACK:

20'-3" (AVERAGE EXISTING PER 5:57)\* 21'-0" (BUILDING LENGTH CALC PER 5:34)\* \* REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON SETBACK CALCULATIONS

# SOLID WASTE NOTES:

- 1. SOLID WASTE GENERATION CALCULATIONS PER GUIDELINES FOR ESTIMATING SOLID WASTED GENERATION BASED ON DATA FROM NATION WIDE AVERAGES WITH VARYING WEIGHTS PER CUBIC YARD.
- 2. FOR PURPOSES OF THIS SITE PLAN, IT IS ASSUMED THAT THE PROPOSED DUMPSTER WILL BE EMPTIED ONE TIME A WEEK.
- 3. THE PROPOSED INTERNAL TENANTS TRASH COLLECTION WILL BE SHARED FOR THE PROPOSED PROJECT.
- 4. GATE PINS ARE TO BE ADDED FOR THE OPEN AND CLOSED GATE POSITIONS.
- 5. DUE TO SITE CONSTRIAINTS, THE MAXIMUM SWING OPENING HAS BEEN MODIFIED ON THE WEST GATE TO BE 100 DEGREES AS SHOWN. FUNCTIONALITY OF THE DUMPSTER WILL STILL BE MAINTAINED.
- 6. THE CONCRETE SLAB IN FRONT OF THE BIN ENCLOSURE WILL HAVE PAVEMENT MARKINGS TO INDICATE 'NO PARKING', AS APPROVED BY THE CITY.
- 7. REFER TO SOLID WASTE DETAILS ON SHEET 11 FOR THE REQUIRED BOLLARDS IN THE ENCLOSURE AREA.

# SOLID WASTE GENERATION CALCULATIONS:

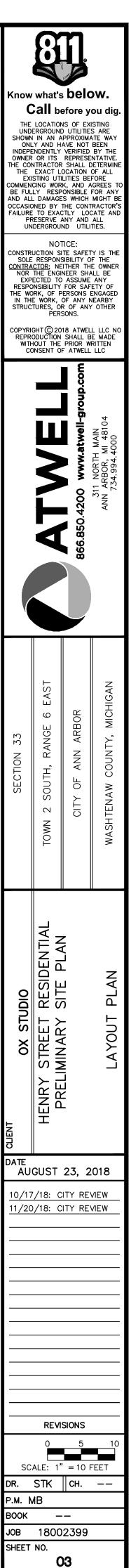
PROPOSED NUMBER OF UNITS (APARTMENTS):
TRASH GENERATION RATE (APARTMENTS):
REQUIRED STORAGE (PER MONTH): NUMBER OF ANTICIPATED PICKUPS (PER WEEK): REQUIRED STORAGE (PER WEEK):
PROPOSED STORAGE:

11 UNITS 1.5 CU. YDS. 16.5 CU. YDS. 1.0 PICKUP 4.1 CU. YDS. 6 CU. YDS.

# WASTE TRUCK TEMPLATE DETAIL:

34.00	r
8.00 17.50	
SOLID WASTE	feet
Width Track Lock to Lock Time Steering Angle	: 8.50 : 8.20 : 6.0 : 40.0

PER CITY OF ANN ARBOR SOLID WASTE STANDARD DETIALS



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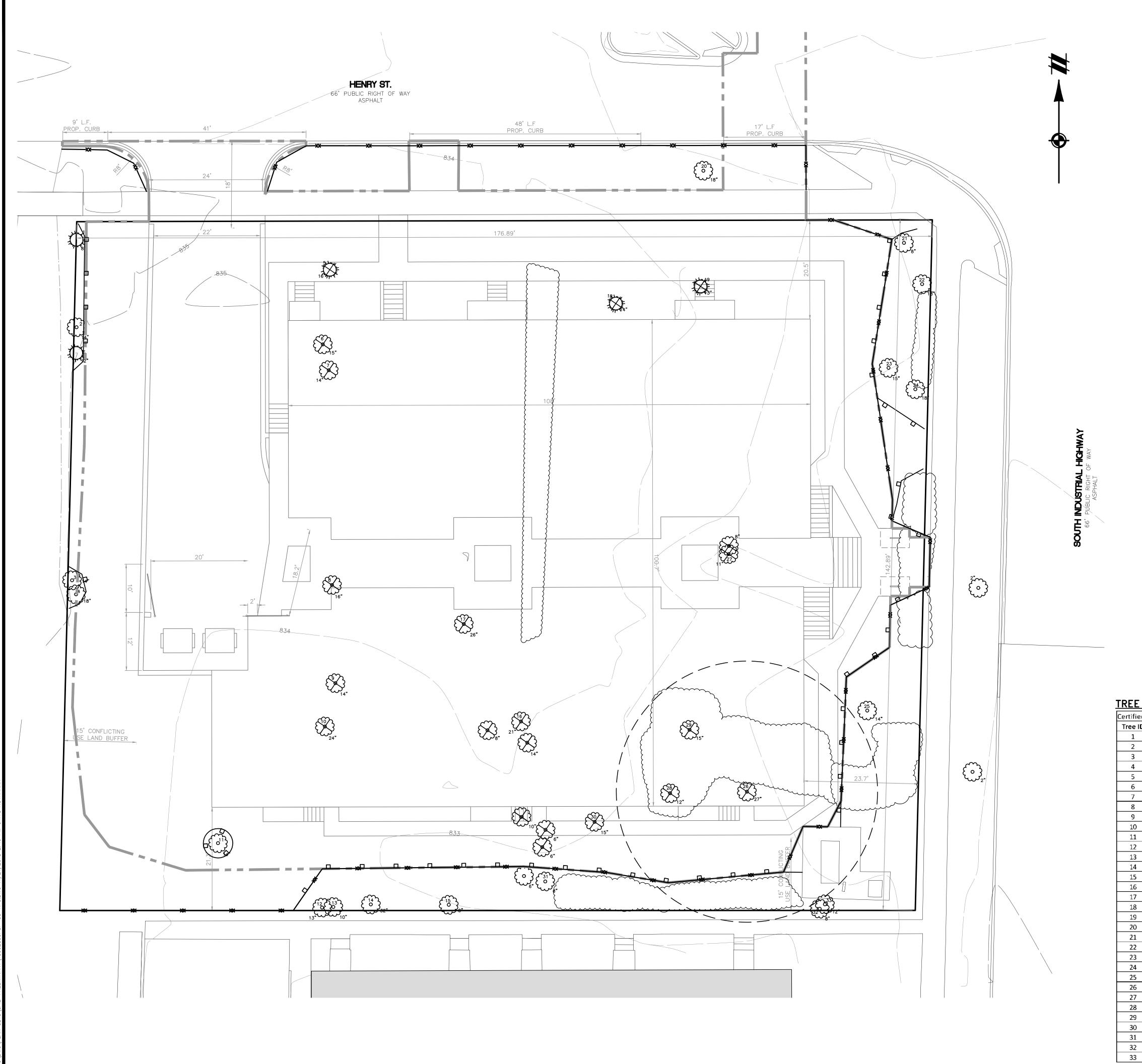
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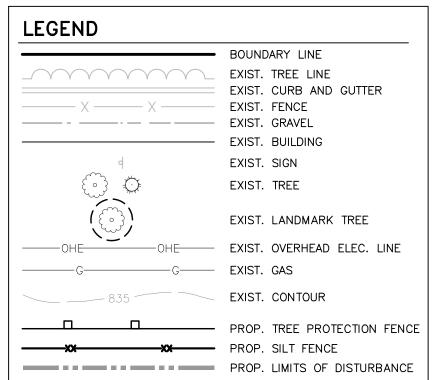
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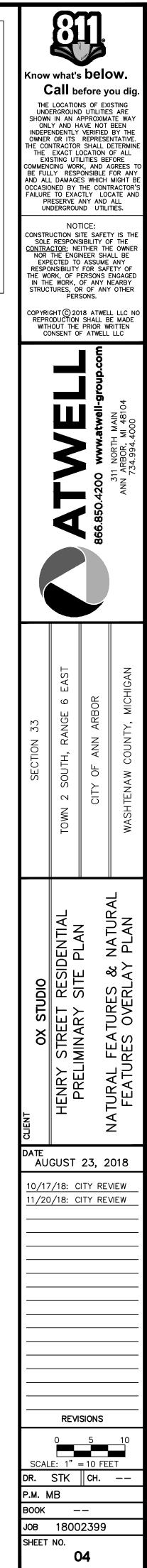


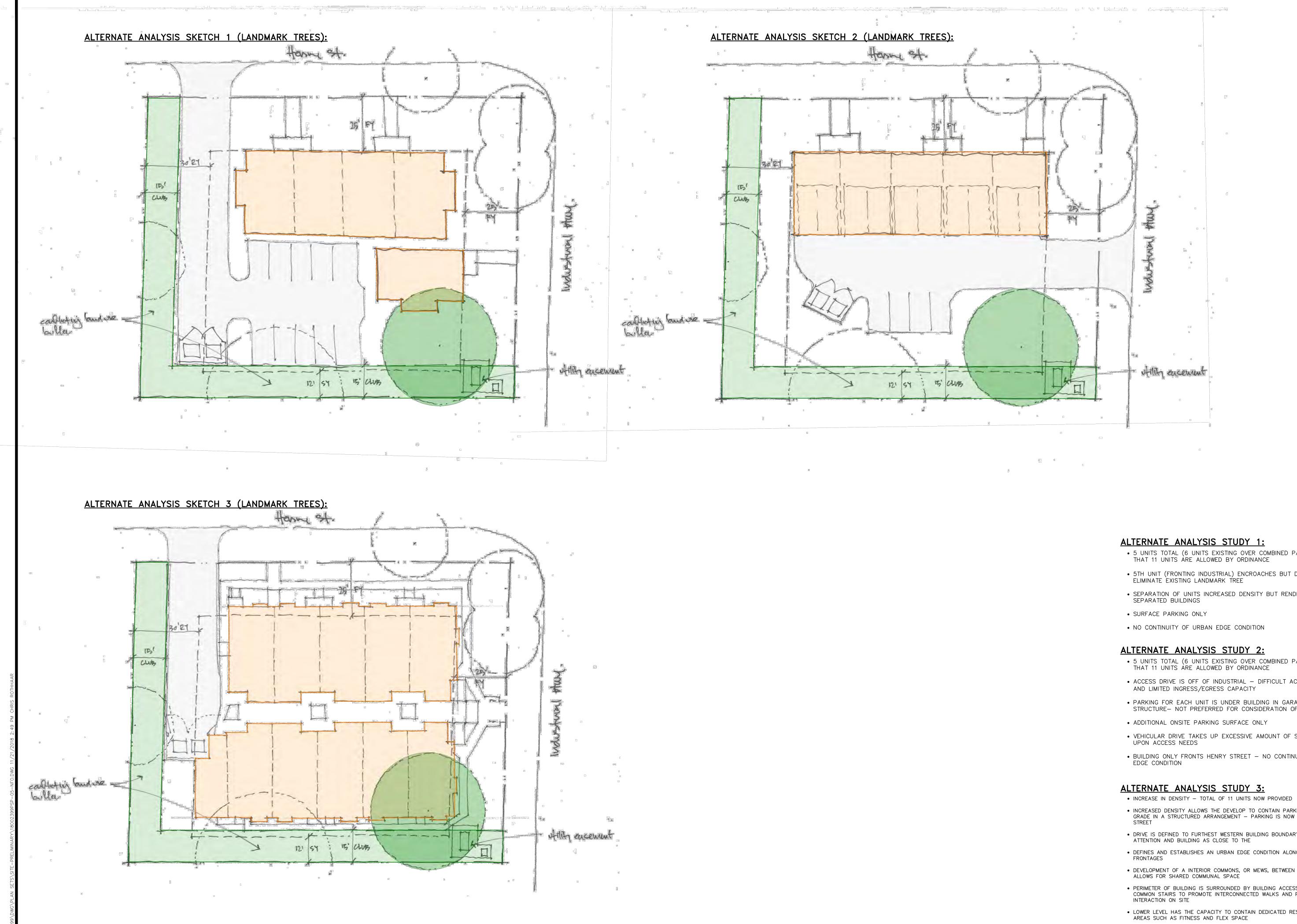
### **NATURAL FEATURES NOTES:** 1. THERE IS NO ENDANGERED SPECIES HABITAT.

- THERE IS NO NEAR-BY 100 YEAR FLOODPLAIN, PER FEMA MAP PANEL 26161C0263E.
- THERE ARE FIVE LANDMARK TREES ON OR NEAR THE SITE. ONE OF THE LANDMARK TREES IS BEING REMOVED AND WILL BE REPLACED PER CITY OF ANN ARBOR STANDARDS.
- 4. THERE ARE NO STEEP SLOPES ON-SITE. EXISTING CONTOURS ARE SHOWN ON SHEET 02.
- 5. THERE ARE NO WATERCOURSES ON OR NEAR THE SITE.
- 6. THERE ARE NO WETLANDS ON OR NEAR THE SITE.
- 7. THERE ARE NO WOODLANDS ON OR NEAR THE SITE.

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ied.	Arborist #MI-3758A	Date: 7-19-18					
ID	Genus/Species	Common Name	DBH	Invasive	Landmark	To be Removed	Notes
	Pinus Sylvestris	Scot's Pine	8"	No	No	No	
	Acer Platanoides	Norway Maple	14"	Yes	No	No	
	Acer Platanoides	Norway Maple	14"	Yes	No	No	
	Pinus Sylvestris	Scot's Pine	18"	No	No	No	
	Pinus Sylvestris	Scot's Pine	16"	No	No	Yes	TBM
	Juglans Nigra	Black Walnut	15"	No	No	Yes	TBM
	Juglans Nigra	Black Walnut	14"	No	No	Yes	ТВМ
	Acer Platanoides	Norway Maple	16"	Yes	No	Yes	
	Acer Platanoides	Norway Maple	14"	Yes	No	Yes	
	Morus Nigra	Mulberry	24"	No	No	Yes	ТВМ
	Acer Platanoides	Norway Maple	14"	Yes	No	No	
	Alianthus Altissima	Tree Of Heaven	13"	Yes	No	No	
	Acer Platanoides	Norway Maple	10"	Yes	No	No	
	Tilia Americana	American Linden aka Basswood	32"	No	No	No	
	Alianthus Altissima	Tree Of Heaven	8"	Yes	No	No	
	Alianthus Altissima	Tree Of Heaven	21"	Yes	No	Yes	
	Morus Nigra	Mulberry	26"	No	No	Yes	TBM
	Picea Pungens	Colorado Spruce	14"	No	No	Yes	ТВМ
	Picea Pungens	Colorado Spruce	13"	No	No	Yes	твм
	Acer Platanoides	Norway Maple	18"	Yes	No	No	
	Acer Platanoides	Norway Maple	9"	Yes	No	No	
	Gleditsia Triacanthos	Honey Locust	18"	No	No	No	
	Acer Platanoides	Norway Maple	15"	Yes	No	No	
	Gleditsia Triacanthos	Honey Locust	18"	No	No	No	
	Ulmus Pumila	Siberian Elm	14"	Yes	No	No	
	Juglans Nigra	Black Walnut	27"	No	Yes	Yes	TBM
	Acer Platanoides	Norway Maple	11"	Yes	No	Yes	Almost Dea
	Juglans Nigra	Black Walnut	12"	No	No	Yes	TBM
	Acer Negundo	Boxelder	15"	No	No	Yes	
	Juglans Nigra	Black Walnut	15"	No	No	Yes	TBM
	Ulmus Pumila	Siberian Elm	6"	Yes	No	No	
	Ulmus Pumila	Siberian Elm	8"	Yes	No	No	
	Ulmus Pumila	Siberian Elm	12"	Yes	No	No	





# ALTERNATE ANALYSIS STUDY 1:

- 5 UNITS TOTAL (6 UNITS EXISTING OVER COMBINED PARCELS) NOTE THAT 11 UNITS ARE ALLOWED BY ORDINANCE
- 5TH UNIT (FRONTING INDUSTRIAL) ENCROACHES BUT DOES NOT
- SEPARATION OF UNITS INCREASED DENSITY BUT RENDERS FULLY
- NO CONTINUITY OF URBAN EDGE CONDITION

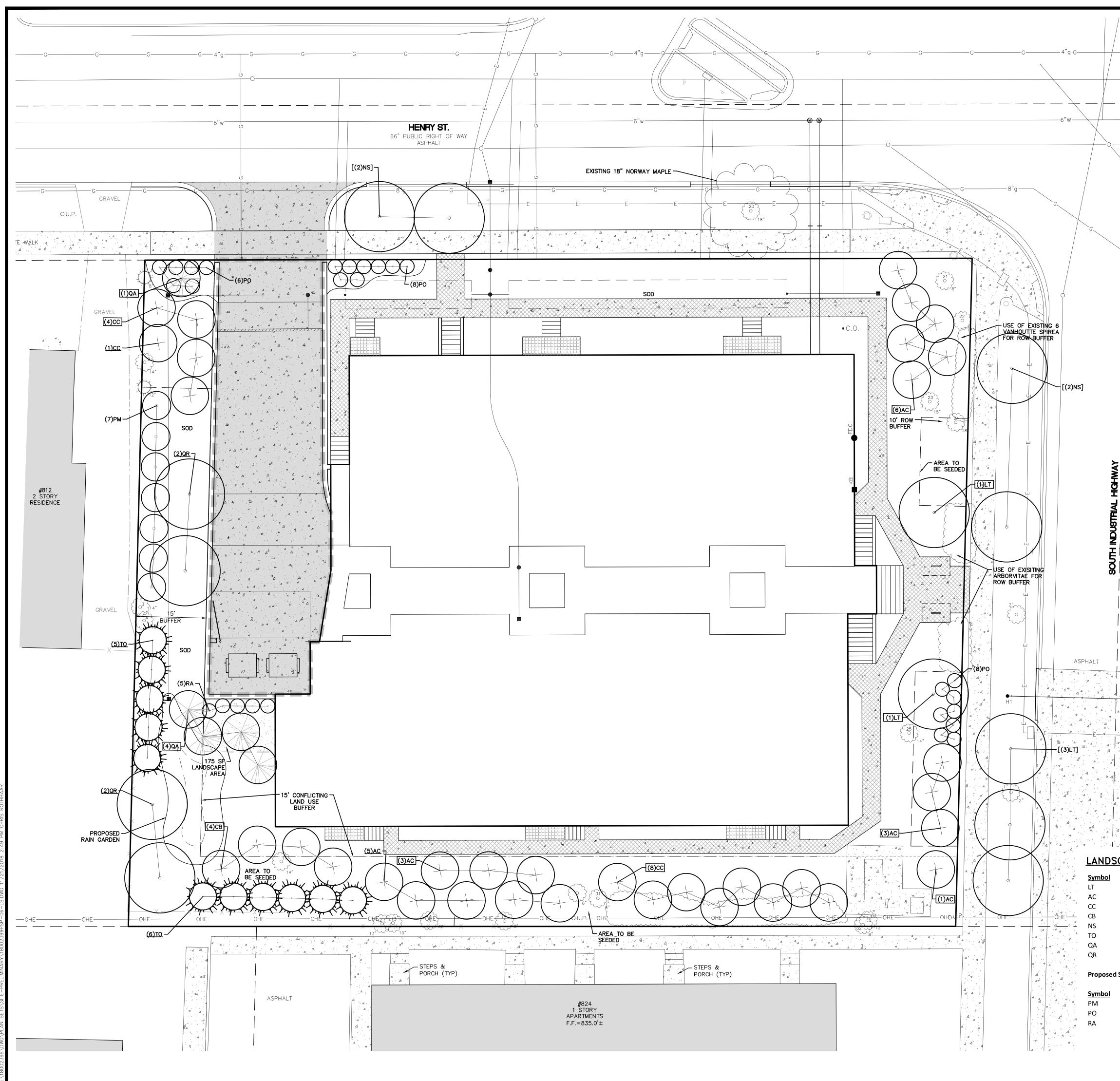
# ALTERNATE ANALYSIS STUDY 2:

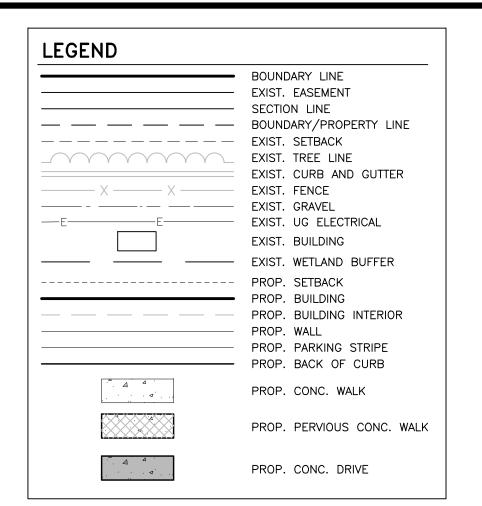
- 5 UNITS TOTAL (6 UNITS EXISTING OVER COMBINED PARCELS) NOTE THAT 11 UNITS ARE ALLOWED BY ORDINANCE
- ACCESS DRIVE IS OFF OF INDUSTRIAL DIFFICULT ACCESS CONDITION AND LIMITED INGRESS/EGRESS CAPACITY
- PARKING FOR EACH UNIT IS UNDER BUILDING IN GARAGE TYPE STRUCTURE NOT PREFERRED FOR CONSIDERATION OF RENTAL UNITS
- ADDITIONAL ONSITE PARKING SURFACE ONLY
- VEHICULAR DRIVE TAKES UP EXCESSIVE AMOUNT OF SITE AREA BASED
- BUILDING ONLY FRONTS HENRY STREET NO CONTINUITY OF URBAN

# ALTERNATE ANALYSIS STUDY 3:

- INCREASED DENSITY ALLOWS THE DEVELOP TO CONTAIN PARKING PARTIALLY BELOW
   GRADE IN A STRUCTURED ARRANGEMENT PARKING IS NOW HIDDEN FROM THE
- DRIVE IS DEFINED TO FURTHEST WESTERN BUILDING BOUNDARY, FOCUSING ATTENTION AND BUILDING AS CLOSE TO THE
- DEFINES AND ESTABLISHES AN URBAN EDGE CONDITION ALONG BOTH STREET
- DEVELOPMENT OF A INTERIOR COMMONS, OR MEWS, BETWEEN BOTH UNIT CLUSTERS ALLOWS FOR SHARED COMMUNAL SPACE
- PERIMETER OF BUILDING IS SURROUNDED BY BUILDING ACCESS POINTS AND COMMON STAIRS TO PROMOTE INTERCONNECTED WALKS AND PEDESTRIAN
- LOWER LEVEL HAS THE CAPACITY TO CONTAIN DEDICATED RESIDENT FUNCTION AREAS SUCH AS FITNESS AND FLEX SPACE

Know what's below. Call before you dig. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. NOTICE: CONSTRUCTION SITE SAFETY IS THE CONSTRUCTION SITE SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY OTHER EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY OTHER PERSONS. COPYRIGHT © 2018 ATWELL LLC NO REPRODUCTION SHALL BE MADE WIHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC NO THE WORK OF ATWELL LLC NO THE WORK OF ATWELL LLC NO THE WORK OF ATWELL LLC NO THE WORK OF ATWELL CONSENT OF ATWELL LLC NO THE WORK OF ATWELL LLC NO THE WORK OF ATWELL THE OF ATWELL THE OF A THE OF A THELL LLC NO THE WORK OF A THELL DE COPYRIGHT OF A TWELL ON THE WORK OF A THELL DE THE OF A THE A THE OF A THELL DE THE OF A THELL DE THE OF A THE					
SECTION 33	TOWN 2 SOUTH, RANGE 6 EAST	CITY OF ANN ARBOR	WASHTENAW COUNTY, MICHIGAN		
CLIENT OX STUDIO	HENRY STREET RESIDENTIAL		ALTERNATIVE ANALYSIS PLANS		
DATE AUGUST 23, 2018					





SEE SHEET 09 FOR LANDSCAPE DETAILS

# LANDSCAPE REQUIREMENTS

 $\bigcirc$ 

	Γ	REQUIRED	PROVIDED			
	Vehicular Use Area	0 SF	176 SF			
	Conflicting Land Use Buffer	1 Tree : 15 LF				
	West	142LF/15 = 9.5	10 Trees			
XX	South	152 LF/15 = 10.1	11 Trees			
	Street Tree	1 Tree : 45 LF				
	Henry Street	156' LF/45 = 3.5 Trees	4 Trees *			
[XX]	S. Industrial	143 - 45(1 exist.**) 98LF/45 =2.2	3 Trees			
	Tree Mitigation					
	Total DBH Removed	253"	$\sim$			
	Total DBH To Be Mitigated	176"	176"			
	Total DBH Exempt	77"	~			
	Total DBH Replacement	176 x 50%= 88"/ 2.5" cal = 35.2	36 Trees or 90"			
	* 2 TREES PLACED ON SOUTH INDUSTRIAL PER 11/2/18 CITY REVIEW DO					

NOT PLANT WITHIN 5' OF THE UNDERGROUND ELECTRIC LINE WITHIN THE RIGHT-OF-WAY ALONG HENRY STREET.

# **REQUIREMENTS LEGEND**

XX CONFLICTING LAND USE TREES

[XX] STREE TREES

XX TREE MITIGATION

## LANDSCAPE NOTES

- 1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES. 2. LANDSCAPING OPERATIONS, INCLUDING PLANTING OF TREES AND SHRUBS, SHALL NOT DAMAGE ANY UTILITY OR
- INTERRUPT ANY UTILITY SERVICE, AND SHALL NOT DAMAGE OR CREATE A NUISANCE AFFECTING ADJACENT PROPERTY, PUBLIC STREETS, OR SIDEWALKS. 3. PLANT AND GRASS MATERIALS SHALL BE INSTALLED ACCORDING TO GENERALLY ACCEPTED PLANTING
- PROCEDURES. 4. ALL OPEN OR OTHERWISE DISTURBED AREAS THAT ARE NOT SPECIFIED WITH OTHER PLANTING, PAVING OR
- SEED MIXTURES SHALL BE PLANTED WITH A STANDARD PERMANENT GRASS SEED MIXTURE TO INDUSTRY STANDARDS. 5. LANDSCAPING MATERIALS THAT ARE UNSIGHTLY, DEAD, DYING, OR THAT BECOME UNHEALTHY BECAUSE OF
- DAMAGE, NEGLECT, DRAINAGE PROBLEMS, DISEASE, INSECT INFESTATION, OR OTHER CAUSES SHALL BE REPLACED WITHIN ONE YEAR, OR THE NEXT PLANTING PERIOD, WHICHEVER OCCURS FIRST. REPLACEMENT MATERIALS SHALL MEET ALL STANDARDS OF THE ORIGINAL INSTALLATION. 6. ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN ADEQUATE WATER SUPPLY.
- 7. THE PROPERTY OWNER (OR ANY APPLICABLE OWNER'S ASSOCIATION) SHALL BE RESPONSIBLE TO ENSURE THE PROPER CARE AND MAINTENANCE OF LANDSCAPE AREAS, INCLUDING KEEPING ALL LANDSCAPE MATERIALS IN A HEALTHY AND GROWING STATE. ALL LANDSCAPE ELEMENTS SUCH AS, BUT NOT LIMITED TO, FENCES, SCREENS, WALLS, OR LIGHTING SHALL BE KEPT IN GOOD REPAIR.
- TOPSOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN AN APPROPRIATE MANNER TO PREVENT EROSION, AND SHALL BE REDISTRIBUTED ON RE-GRADED SURFACES TO BE LANDSCAPED, TO PROVIDE A MINIMUM OF FOUR INCHES OF EVEN COVER. THE TOPSOIL SHALL THEN BE PERMANENTLY STABILIZED BY GRASS, GROUND COVER, OR OTHER PLANTINGS.
- REMOVE ALL TWINE, WIRE, NURSERY GUARDS, TAGS AND INORGANIC MATERIAL FROM ROOT BALL. PEEL BACK THE BURLAP FROM EARTH BALLS AND REMOVE ANY BURLAP, TWINE OR WIRE AROUND THE TRUNK FLARE AND ABOVE.
- 10. ALL PLANTING AREAS ARE TO BE EXCAVATED OF ALL BUILDING / CONSTRUCTION AND FILL MATERIALS AND BACKFILLED WITH GOOD MEDIUM TEXTURED PLANTING SOIL. SEEDING AREAS ARE TO BE TREATED WITH 4" OF NEW TOPSOIL AND ROTOTILLED OR OTHERWISE SCARIFIED TO BREAK UP COMPACTION AT LEAST 8" BELOW THE TOPSOIL.
- 11. TOPSOIL SHALL BE SCREENED AND SUITABLE FOR GROWING VEGETATION AND MEET AT A MINIMUM ASTM D-5268 AND MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. 12. RECOMMENDED PLANTING DATES ARE MARCH 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
- 13. ALL LANDSCAPING SHALL BE IN GOOD HEALTH ON THE SITE AND ANY TREES THAT ARE REMOVED ARE TO BE REPLACED BY THE NEXT GROWING SEASON AS A CONTINUING OBLIGATION OF THE SITE PLAN.
- 14. VEGETATION OVERHANGING THE PUBLIC SIDEWALK SHALL BE TRIMMED BACK ONTO PRIVATE PROPERTY. 15. ALL LANDSCAPE SHALL BE IN GOOD HEALTH ON THE SITE AND ANY TREES THAT ARE REMOVED ARE TO BE
- REPLACED BY THE NEXT GROWING SEASON.

# LANDSCAPE PLANT LIST

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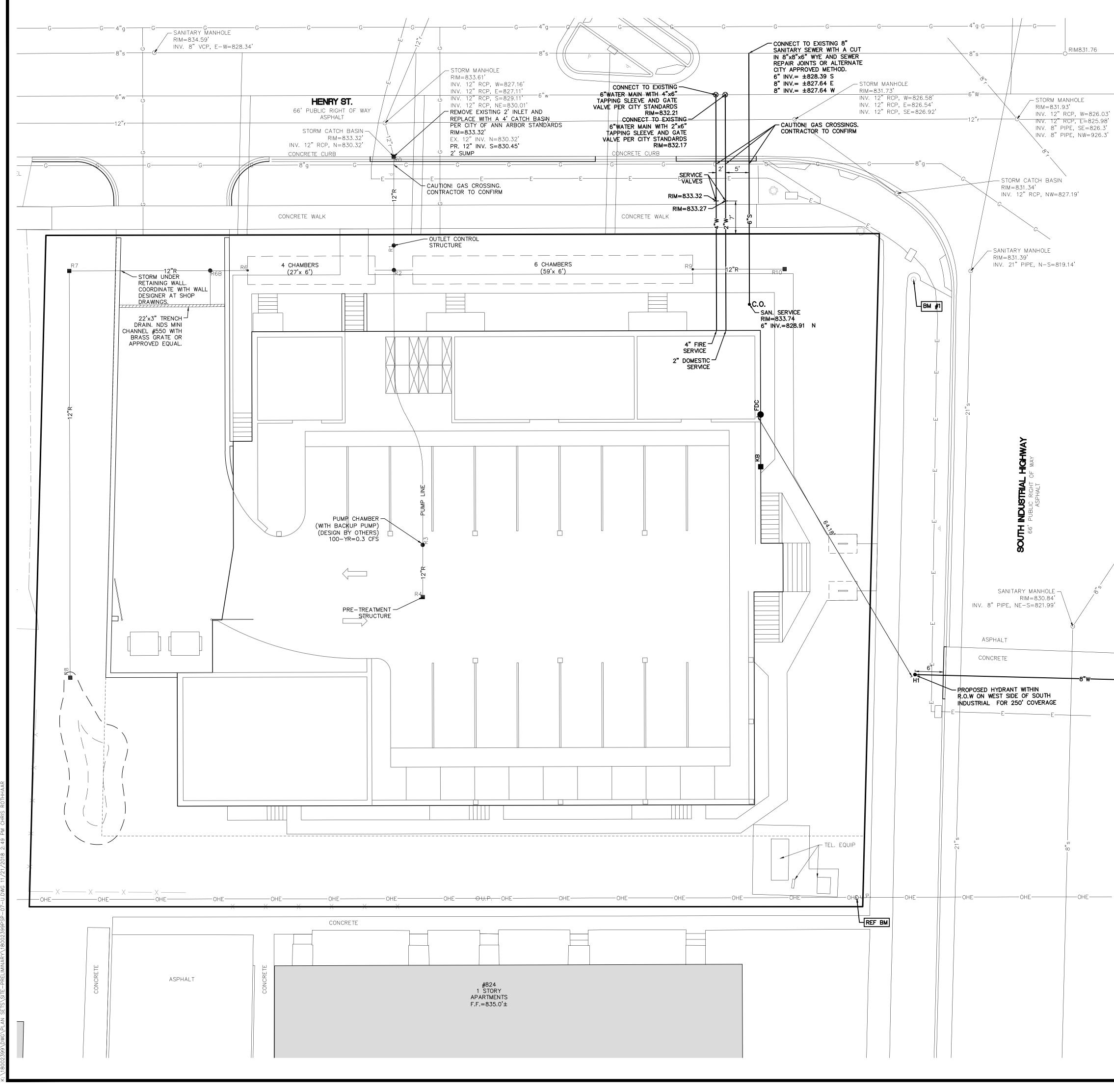
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<u>Quantity</u>	Botanical Name	Common Name	<u>Size</u>	<u>Notes</u>
3	Liriodendron Tulipifera	Tulip Tree	2 1/2" Cal.	Columnar
18	Amelanchier canadensis	Serviceberry	2 1/2" Cal.	Multi-Stem
12	Cercis canadensis	Eastern Redbud	2 1/2" Cal.	
4	Carpinus Betulus	Hornbeam	2 1/2" Cal.	
4	Nyssa Sylvatica	Blackgum	2 1/2" Cal.	
11	Thuja 'Green Giant'	Green Giant Arborvitae	8' Hgt.	
5	Quercus alba	White Oak	2 1/2" Cal.	
4	Quercus rubra	Regal Prince Oak	2 1/2" Cal.	
ed Shrubs				

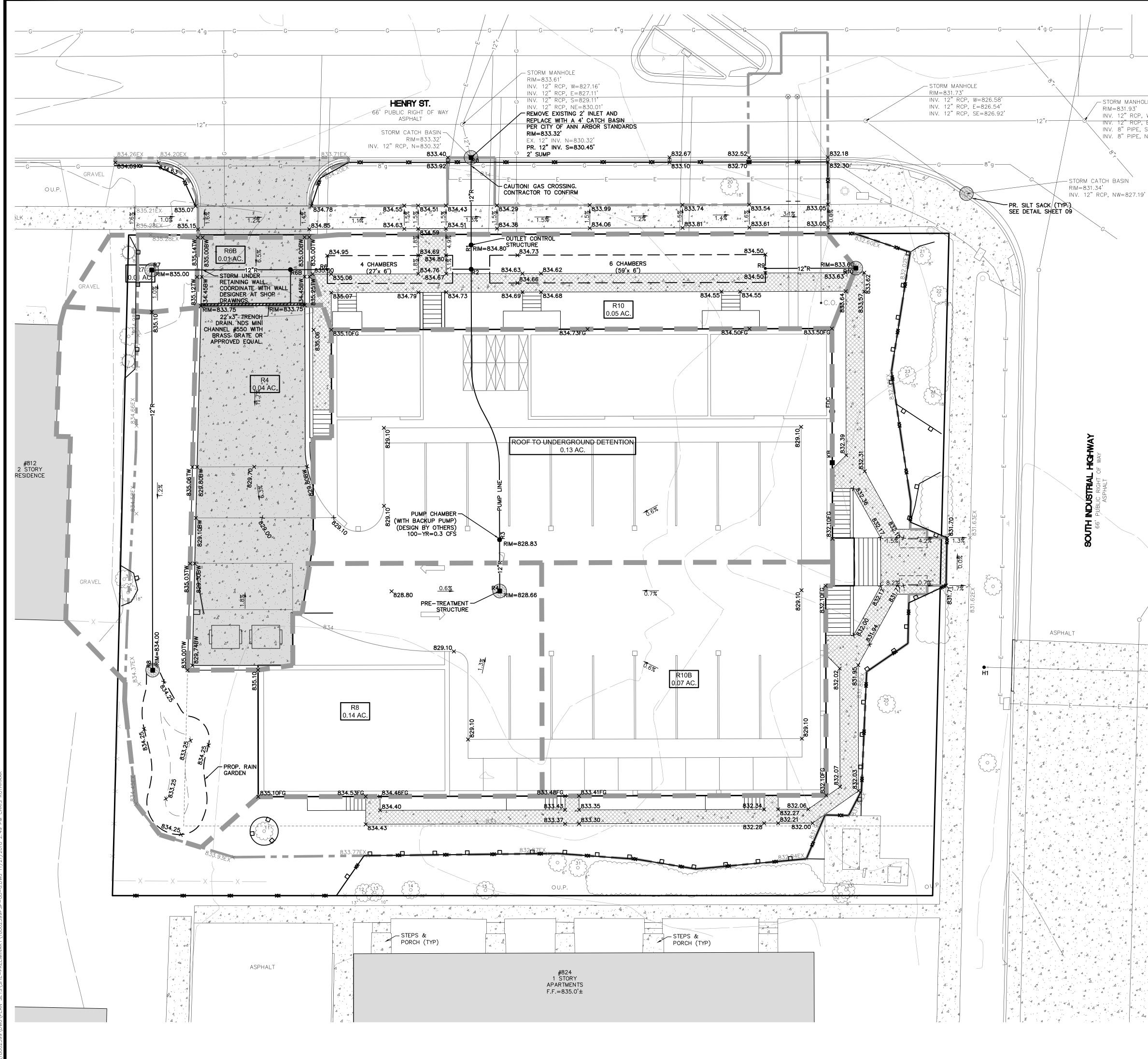
ol	Quantity	Botanical Name	Common Name	<u>Size</u>
	7	Photinia melanocarpa	Black Chokeberry	3'-4' H
	22	Physocarpus Opulifolius 'Diablo'	Ninebark	#3 Cor
	5	Ribes Alpinum 'Green Mound'	Alpine currant	#3 Cor

THE UNDI SHOWN ONL INDEPE OWNER THE COMMEN EXI COMMEN BE FUL AND ALL OCCASIC FAILURE PF UN CONSTRE CONTRA NOR EXP RESPO	LOCATION ERGROUND IN AN A Y AND H. NDENTLY OR ITS STING UTI CING WOR LY RESPORT CING WOR LY RESPORT DERGROUI TO EXAC ESERVE / DERGROUI STORS NOT UCTION SI RESPORT CTOR; NE THE ENGIE ECTED TO NSIBILITY RK, OF P E WORK, I TURES, O	efore y AS OF EX D UTILITE PPROXIMA AVE NOT VERIFIED REPRESE S SHILL I DCATION LITIES BE K, AND A ONSIBLE S WHICH THE CONT CTLY LOC ANY AND ND UTILI TE SAFET SIBILITY C ITHER TH NEER SHA ASSUME FOR SAE	OU DIG. ISTING S ARE ATE WAY BEEN BY THE INTATIVE. DETERMINE OF ALL FORE GREES TO FOR ANY MIGHT BE IRACTOR'S CATE AND ALL TIES. TY IS THE F THE E OWNER ALL BE ANY FTY OF
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SECTION 33	TOWN 2 SOUTH, RANGE 6 EAST	CITY OF ANN ARBOR	WASHTENAW COUNTY, MICHIGAN
CLIENT OX STUDIO	HENRY STREET RESIDENTIAL		LANDSCAPE PLAN
	GUST /18: C /18: C /18: C /18: C / / / / / / / / / / / / /	ITY RE ITY RE SIONS 5	
BOOK JOB	NO.	_ 2399 <b>)5</b>	

<u>Notes</u>



SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN BUILDING DRAWINGS THESE PLANS PRIOR TO CONSTRUCTION. 15. THE USE OF BOOSTER PUMPS IS NOT ANTICIPATED. THIS WILL BE CONFIRMED DURING FINAL BUILDING FIGN. <b>ENER DEPARTMENT NOTES:</b> 1. THE BUILDING ADDRESS SHALL BE CLEARLY VISIBLE WHEN APPROACHING THE BUILDING FROM BOTH HENY STREET AND SOUTH INDUSTRAL. 2. A KNOX BOX SHALL BE CLEARLY ON AN APPROVED EXTERIOR BUILDING LOCATION ON THE STREET SPLAN (KG). 3. THE PROFOSED BUILDING WILL NOT HAVE ANY FIREWALLS. 4. THE PROFOSED BUILDING WILL NOT HAVE ANY FIREWALLS. 5. THE PROFECTION IS ASSUMED TO BE PER NIPPA 13R BECAUSE OF RESIDENTIAL OCCUPANCY. A MAXMUMA VI FIRE LINE IS ANTOPATED. TO BE COMBINED WITH THE THE DOBLOGIC LINE. FRANCISCO DOSING WITH THE THE DESIGNER PRIOR TO CONSTRUCTION. 5. CONSTRUCTION MATERIAL STORAGE SHALL NOT INTERFERE WITH FIRE/EMERGENCY SITE ACCESS. 6. HYDRANTS SHALL BE IN SERVICE DURING CONSTRUCTION. 1. HYDRANTS SHALL BE IN SERVICE DURING CONSTRUCTION. 7. HYDRANTS SHOULD TO RECTON CONSTRUCTION PASE AND BEFORE COMBUSTIBLE MATERIAL ARE PLACED ON THE OPERATIVENT BEFORE FIRE DEPARTMENT WILL SUPPORT PERMITISS UNALLE FOR NEW CONSTRUCTION PHASE AND BEFORE COMBUSTIBLE MATERIAL ARE PLACED ON THE USE SUMMED STREE DEPARTMENT WILL SUPPORT PERMITISS UNALLE FOR NEW CONSTRUCTION PHASE AND BEFORE COMBUSTIBLE MATERIAL ARE PLACED ON THE USES SUMMED STREE SUMMED STREE SUMMED AND STREE DEPARTMENT WILL SUPPORT PERMITISS AND DESTINATION PRASE AND BEFORE COMBUSTIBLE MATERIAL ARE PLACED ON THE USES SUMMED STREE S	OX STUDIO SECTION 33	Ш Х	AW COUNT
12"X TAPPING SLEEVER AND GATE VALVE PER CITY STANDARDS CITY	10/17 11/20	GUST 23, 7/18: CITY 0/18: CITY 0/18: CITY 0 REVISION 0 REVISION 0 ALE: 1" = 1 STK CH MB  1800239	REVIEW REVIEW



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- STORM MANHOLE

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INV. 12" RCP, W=826.03

INV. 12" RCP. E=825.98'

INV. 8" PIPE, SE=826.3'

\ INV. 8" PIPE, NW=926.3'

RIM=831.93'

	BOUNDARY LINE
0.0.7	EXIST. CONTOUR
923	EXIST. TREE LINE
	EXIST. CURB AND GUTTER
XX	EXIST. FENCE
	EXIST. GRAVEL
	EXIST. BUILDING
d	EXIST. SIGN
	EXIST. TREE
OHE OHE	EXIST. OVERHEAD ELEC. LINE
GG	EXIST. GAS
	PROPERTY LINE
835	EXIST. CONTOUR
12"R	EXIST. STORM SEWER
0	EXIST. MANHOLE
	EXIST. CATCH BASIN/INLET
)	END SECTION/HEAD WALL
)(	CULVERT
12"S	EXIST. SANITARY SEWER
• C.O.	EXIST. CLEANOUT
12"W	EXIST. WATERMAIN
0+-	EXIST. HYDRANT
$\otimes$	EXIST. VALVE
∘U.P.	
	PROP. SILT SACK
923	PROP. CONTOUR
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	PROP. SILT FENCE
12"R	PROP. STORM SEWER
12"S	PROP. SANITARY SEWER
12"₩	PROP. WATER MAIN
$\smile$	PROP. END SECTION
	PROP. CATCH BASIN/INLET
$\otimes$	PROP. WATER VALVE
0+-	PROP. FIRE HYDRANT
•	PROP. MANHOLE
• C.O.	PROP. CLEANOUT
	PROP. DRAINAGE AREAS
	FROF. DRAINAGE AREAS

# **GRADING NOTES:**

- 1. ALL PROPOSED SPOT GRADES ARE AT EDGE/TOP OF PAVEMENT UNLESS OTHERWISE NOTED. NOTATION IS AS FOLLOWS: "FF" = FINISHED FLOOR, "FG" = FINISHED GRADE, "BC' = BACK OF CURB, "GU" = GUTTER, "BW" = GRADE AT BOTTOM OF WALL, "TW" = GRADE AT TOP OF WALL "M" = MATCH EXISTING.
- 2. REFER TO BUILDING DRAWINGS FOR ADDITIONAL CONSTRUCTION INFORMATION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN BUILDING DRAWINGS AND THESE PLANS PRIOR TO CONSTRUCTION.

# STORMWATER MANAGEMENT NOTES:

- 1. THE PROPOSED IMPERVIOUS SURFACE IS GREATER THAN 10,000 SQUARE FEET AND LESS THAN 15,000 SQUARE FEET. INFILTRATION IS REQUIRED FOR THE FIRST FLUSH STORM EVENT AND DETENTION IS REQUIRED FOR THE BANKFULL STORM EVENT IN ACCORDANCE WITH CITY OF ANN ARBOR CODE OF ORDINANCES 5:655.2.(B).(I). INFILTRATION OF THE FIRST FLUSH STORM EVENT IS BEING PROVIDED BY THE PROPOSED OPEN BOTTOM UNDERGROUND DETENTION SYSTEM.
- 2. THE SITE SOILS AT THE DEPTH OF PROPOSED INFILTRATION CONSISTS PRE-DOMINANTLY OF NATURAL GRANULAR SANDY SOILS. INFILTRATION RATES OF 21 IN/HR TO 49 IN/HR WITH A FACTOR OF SAFETY OF 2 WAS RECOMMENDED PER THE INFILTRATION TÉSTING AND GEOTECNICAL INVESTIGATION REPORT. REFER TO "REPORT OF GEOTECHNICAL INVESTIGATION" PREPARED BY G2 CONSULTING GROUP, DATED 08/13/2018. THE CREDITED INFILTRATION RATE WAS CONSERVATIVELY LIMITED TO 10 IN/HR IN ACCORDANCE WITH WCWRC RECOMMENDATIONS.
- 3. A STORM WATER PUMP WILL BE REQUIRED FOR THE INCIDENTAL DRIVEWAY DRAINAGE TO THE LOWER GARDEN LEVEL AS SHOWN. PUMP DESIGN IS TO BE PROVIDED BY OTHERS WITH TEH BUILDING DESIGN. PUMP SHALL BE DESIGNED TO HANDLE A DESIGN FLOW OF 0.3 CFS AND REDUNDANCY IN THE DESIGN IN RECOMMENDED.

# SESC PLAN DETAILS:

- 1. SOIL TYPES: MdA-MATHERTON SANDY LOAM, O TO 4 PERCENT SLOPES (PER WASHTENAW COUNTY SOIL SURVEY UNDERLYING SOIL TYPES: BROWN SAND WITH TRACE SILT AND GRAVEL
  - 3. OUTLET: CITY STORM SEWER SYSTEM IN HENRY STREET 4. TOTAL AREA OF DISTURBANCE: ±0.52 ACRES

## SESC GENERAL NOTES

- 1. DEVELOPER SHALL SUBMIT A DETAILED EROSION CONTROL PLAN, COMPLETED APPLICATION AND CHECKLIST FORMS, PAY ALL FEES AND POST AN EROSION CONTROL PERFORMANCE BOND, AS REQUIRED, PRIOR TO ANY EARTH CHANGE.
- 2. CONSTRUCTION OPERATION SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING.
- 3. BORROW AND FILL DISPOSAL AREAS WILL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION FOR SOIL EROSION AND SEDIMENT CONTROL.
- 4. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
  - 5. CLEANUP WILL BE DONE IN A MANNER TO ENSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
  - 6. THE PROJECT WILL CONTINUALLY BE INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS.
- 4 4 7. ESTIMATED COST OF SOIL EROSION CONTROL MEASURES AND SITE STABILIZATION SHOULD CONSTRUCTION CEASE IS \$4,000.
- $\sim$  9. INSTALL A TEMPORARY MUD TRACKING MAT AT THE DESIGNATED CONSTRUCTION ENTRANCE FOR THE SITE. 10. STREETS WILL BE SCRAPED AND CLEANED OF ANY TRACKED MUD IMMEDIATELY FOLLOWING EACH MUD-TRACKING OCCURRENCE.

# **CONSTRUCTION SEQUENCE (SESC)**

- 1. SOIL EROSION AND SEDIMENTATION CONTROL PRE-GRADING MEETING 2. COMMENCEMENT OF CONSTRUCTION (EST. MARCH 2019)
- 3. INSTALL TEMPORARY EROSION AND SEDIMENTATION MEASURES 4. DEMOLISH EXISTING INFRASTRUCTURE
- 5. MASS GRADING / EXCAVATION 4. 6. INSTALL STORMWATER MANAGEMENT SYSTEM
- 11. AS-BUILT CERTIFICATION OF THE STORM WATER DETENTION SYSTEM 12. COMMENCE BUILDING FOUNDATION WORK
- 13. INSTALL UTILITIES
- 14. PAVING ACTIVITIES 15. COMMENCE VERTICAL CONSTRUCTION OF BUILDING
- 16. FINAL GRADING AND LANDSCAPING
- 17. INSPECT AND CLEAN ALL CATCH BASINS, STUKM SEWERS, AND DETENSION 18. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES 17. INSPECT AND CLEAN ALL CATCH BASINS, STORM SEWERS, AND DETENTION FACILITIES 19. COMPLETE CONSTRUCTION OF BUILDING 20. COMPLETION OF PROJECT (EST SEPT. 2019)
- Know what's **below**. Call before you dig THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMIN THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND ACREES T DE FULLY DEFENSION FOR BE FULLY RESPONSIBLE FOR AN AND ALL DAMAGES WHICH MIGHT I OCCASIONED BY THE CONTRACTOR FAILURE TO EXACTLY LOCATE AN PRESERVE ANY AND ALL UNDERGROUND UTILITIES. NOTICE: CONSTRUCTION SITE SAFETY IS THI SOLE RESPONSIBILITY OF THE <u>CONTRACTOR</u>: NEITHER THE OWNEF NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF DEPONDENT OF THE OFFICE THE WORK, OF PERSONS ENGAGE IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS. COPYRIGHT © 2018 ATWELL LLC NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC 5 TER DENTIA  $\geq$ A N N N 54 T RES S. Я Ц И ່ທ∥ ŏ NG, SE MANA( ∥ທ Σ lRY REL ∥Z ⊡  $\square$ С Ч AUGUST 23, 2018 0/17/18: CITY REVIEW 1/20/18: CITY REVIEW REVISIONS SCALE: 1" = 10 FEET DR. STK || CH. --P.M. MB

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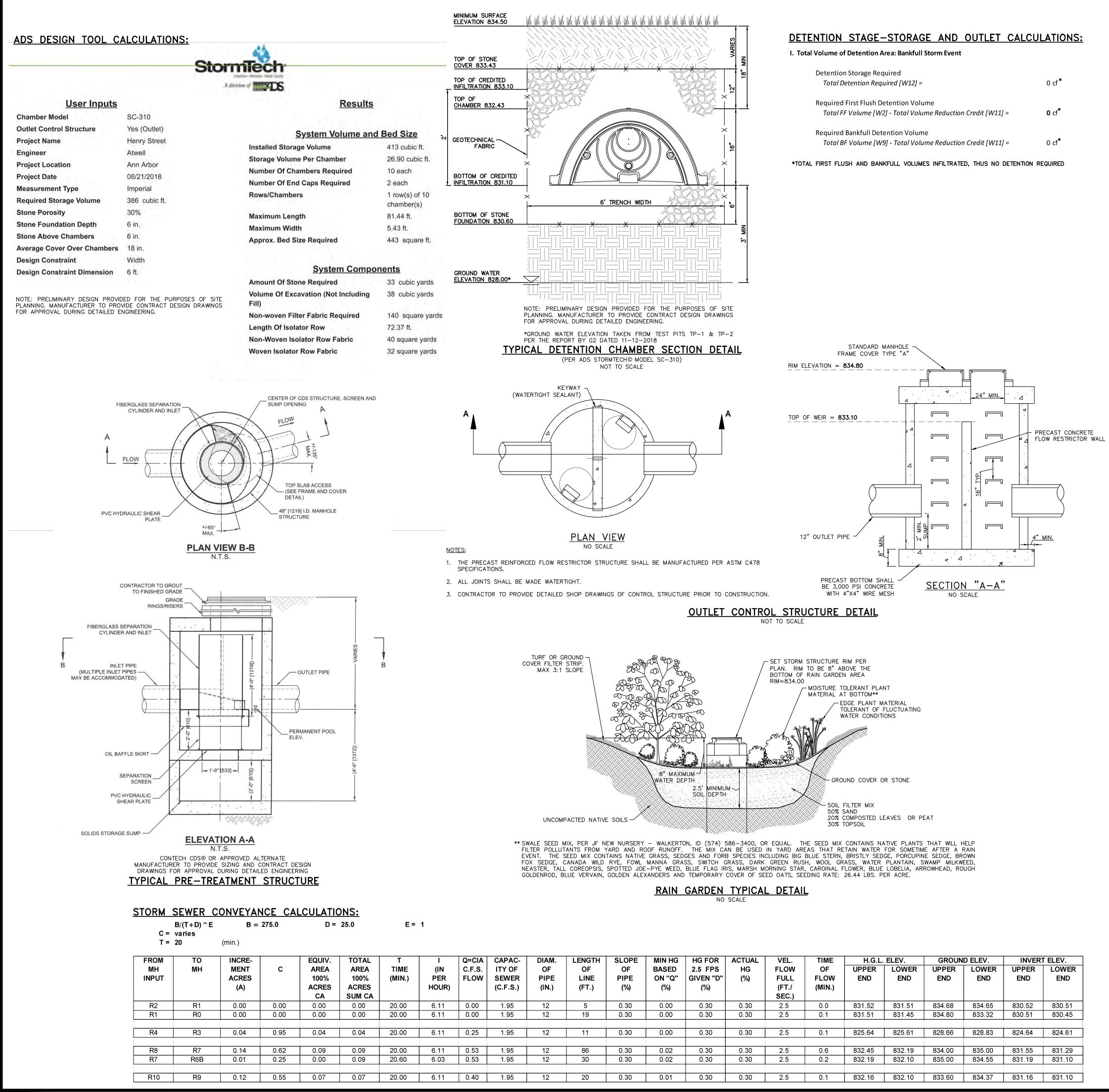
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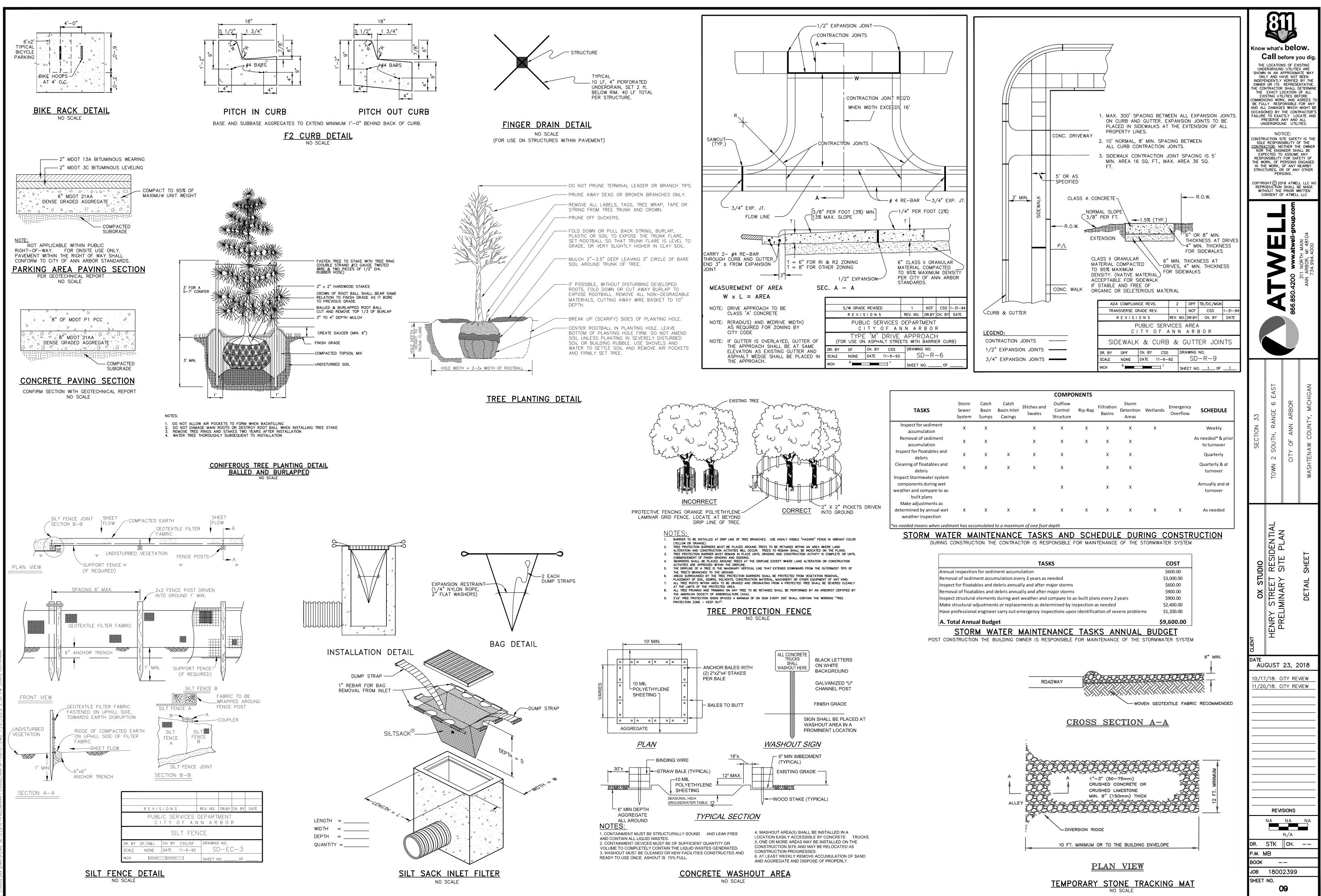
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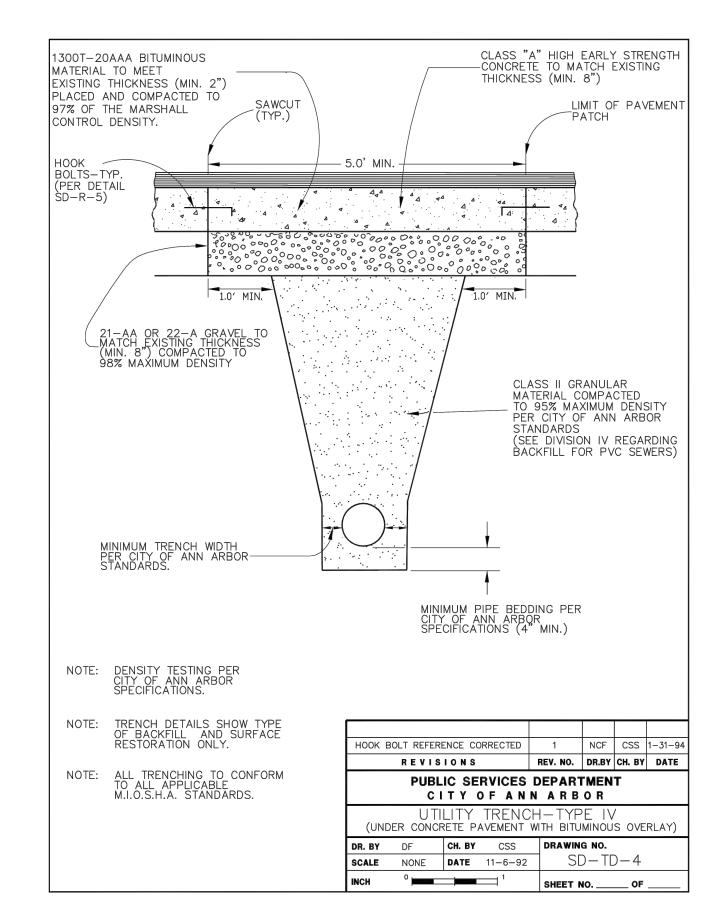
-	DIAM.	LENGTH	SLOPE	MIN HG	HG FOR	ACTUAL	VEL.	TIME	H.G.L.	ELEV.	GROUN	D ELEV.	INVER <sup>-</sup>	T ELEV.
	OF	OF	OF	BASED	2.5 FPS	HG	FLOW	OF	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER
R	PIPE	LINE	PIPE	ON "Q"	GIVEN "D"	(%)	FULL	FLOW	END	END	END	END	END	END
)	(IN.)	(FT.)	(%)	(%)	(%)		(FT./	(MIN.)						
							SEC.)							
	12	5	0.30	0.00	0.30	0.30	2.5	0.0	831.52	831.51	834.68	834.65	830.52	830.51
	12	19	0.30	0.00	0.30	0.30	2.5	0.1	831.51	831.45	834.80	833.32	830.51	830.45
	12	11	0.30	0.00	0.30	0.30	2.5	0.1	825.64	825.61	828.66	828.83	824.64	824.61
	12	86	0.30	0.02	0.30	0.30	2.5	0.6	832.45	832.19	834.00	835.00	831.55	831.29
	12	30	0.30	0.02	0.30	0.30	2.5	0.2	832.19	832.10	835.00	834.55	831.19	831.10
	12	20	0.30	0.01	0.30	0.30	2.5	0.1	832.16	832.10	833.60	834.37	831.16	831.10

			Total Cor	ntributing Dra Total Disti	inage Area = urbed Area =		Acres Acres
		ver Type	Soil Type	Area (sf)	Area (ac)	Runoff Coef	(c)(Area)
Rational Method Variables	Developed Open	Lots, roofs, driveways Space, Good Condition crete, Sandy Soils	B B	14,440 10,825	0.33 0.25	0.95 0.30	13,718 3,247
Rational Varia						m (c )(Area) =	16,965
			Weighte	ed C-Sum(c )		rea Total (sf)= c) or Sum(sf)=	
<u>ທ</u>	Pervious	s Cover Type	Soil Type	Area (sf)	Area (ac)	Curve Number	(CN)(Area
NRCS Variables		Space, Good Condition crete, Sandy Soils	В	10,825	0.25	61	660,313
NRCS			Area Total -	(CN)(Area) = Sum(ac) of S N-Sum(CN)(/		) or Sum(sf)=	660,313 10,825 <b>61</b>
es	Imperviou	us Cover Type	Soil Type	Area (sf)	Area (ac)	Curve Number	(CN)(Area
Variables	Paved Parking I	_ots, roofs, driveways	В	14,440	0.33	98	1,415,120
NRCS			Area Total -	(CN)(Area) = Sum(ac) of S N-Sum(CN)(/		) or Sum(sf)=	1,415,120 14,440 <b>98</b>
W2	First Flush Runo	ff Calculations (Vff)					
A.	Vff = (1") (1/12) (	43560/1) (C) AC =				1,411	cf
W3	Predevelopment	Bankfull Runoff Calcu	ulations (Vbf-	pre)			
А. В.	2 year/24 hour st Pervious Cover (	orm event CN <i>(pasture, grassla</i> i	nd or range (	nood)	P = CN =	2.35 61	in
C.	S = (1000/CN)-1	10	ia or range, g	<i>3000)</i>	S =	6.39	in
D. E.	Q = (P-0.2S) <sup>2</sup> /( Pervious Cover /	,			Q = Area =	0.15 25,265	in sf
F.	$V_{bf-pre} = Q(1/12)A$	Area			V <sub>bf-pre</sub> =	324	cf
W4	Pervious Cover I	Post-development Bai	nkfull Runoff	Calculations	(Vbf-per-post)		
A.	2 year/24 hour st				P =	2.35 61	in
В. С.	Pervious Cover ( S = (1000/CN)-				CN = S =	6.39	in
D. E.	$Q = (P-0.2S)^{2}/($ Pervious Cover	,			Q = Area =	0.15 10,825	in sf
F.	$V_{bf-per-post} = Q(1/2)$				V <sub>bf-per-post</sub> =	139	cf
<b>W</b> 5	Impervious Cove	er Post-development E	Bankfull Runc	off Calculation	ıs (Vbf-imp-po	st)	
А. В.	2 year/24 hour st Impervious Cove				P = CN =	2.35 98	in
C.	S = (1000/CN)-1	10			S =	0.20	in
D. E.	Q = (P-0.2S) <sup>2</sup> /( Impervious Cove	,			Q = Area =	2.12 14,440	in sf
F.	$V_{bf-imp-post} = Q(1/$	12)Area			V <sub>bf-imp-post</sub> =	2,553	cf
<b>W</b> 8	Determine Time	of Concentration (Tc-	hrs)				
	User specified; a	ssume 15 minutes		Total Ti	me of Concer	itration (hrs) =	0.25
W9	Retention / Infiltra	ation Requirement					0.20
	Per City Ordinan	ce 5:655(2)(b), the inf	filtration requi	irment is equa	al to the first flu	ush (<15,000 s	f impervious)
				First Flush \	/olume (V <sub>ff</sub> ) =	1,411	]cf
W10	Detention Requir	rement					
	Per City Ordinan	ce 5:655(2)(b), the de	etention requi	rment is the t	oankfull storm	event (<15,000	) sf imperviou
			Tc	otal Bankfull V	′olume (V <sub>bf</sub> ) =	2,692	cf
W11	Determine Applic	cable BMPs and Asso	ciated Volum	e Credits			-
	osed BMP	Area (ft <sup>2</sup> )	Storage Depth (ft)	Storage Volume (ft <sup>3</sup> )	Ave. Design Infil. Rate (in/hr)*	Infil. During Storm (ft <sup>3</sup> )	Total Volum Reduction (f
	iltration Bed iltration Bed	516 350	2.0 0.7	310 70	5.25 6	1,355 1,050	1,664 1,120
	Total Vo	lume Reduction Credi	it by Propose	d Structural E	3MPs (Vinf) =[	2,784	]cf
Drop	osed BMP	Ave. Design Infil.	Volume	Estimated	Drawdown		
·	iltration Bed	Rate (ft/hr)* 0.4375	Rate (cf/hr) 226		(hrs) 37		
		st pre-dominantly of g as recommended per		-		ranging from 1	0.5 in/hr to 12
W12	Infiltration / Deter		0				
		-	oor City rules	۸.	1,411	of	
		Infiltration Required (p Infiltration Provided:		·)·	2,784		

Know what's below. Call before you dig. The LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR: NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS. COPYRIGHT © 2018 ATWELL LLC NO WITHOUT THE PRIOR WRITTEN CONSENT OF ATWELL LLC NO							
	ATWE	866.850.4200 www.atwell-gro	311 NORTH MAIN ANN ARBOR, MI 48104 734.994.4000				
SECTION 33	TOWN 2 SOUTH, RANGE 6 EAST	CITY OF ANN ARBOR	WASHTENAW COUNTY, MICHIGAN				
CLIENT OX STUDIO	HENRY STREET RESIDENTIAL	/	SIURMWAIER CALCULAIIUNS				
<u>10/17</u> <u>11/20</u> 	·/18: C	ITY RE	2018				



	System	Sumps	Casings		Structure			Areas			
ect for sediment accumulation	х	х		х	Х	х	х	х	х		Weekly
oval of sediment accumulation	х	х		х	х	х	х	х			As needed* & prior to turnover
t for floatables and debris	х	х	х	х	х		х	х			Quarterly
ng of floatables and debris	х	х	х	х	х		х	х			Quarterly & at turnover
Stormwater system onents during wet r and compare to as- built plans					х		х	х			Annually and at turnover
e adjustments as nined by annual wet ather inspection	Х	Х	Х	х	Х	Х	Х	х	х	Х	As needed



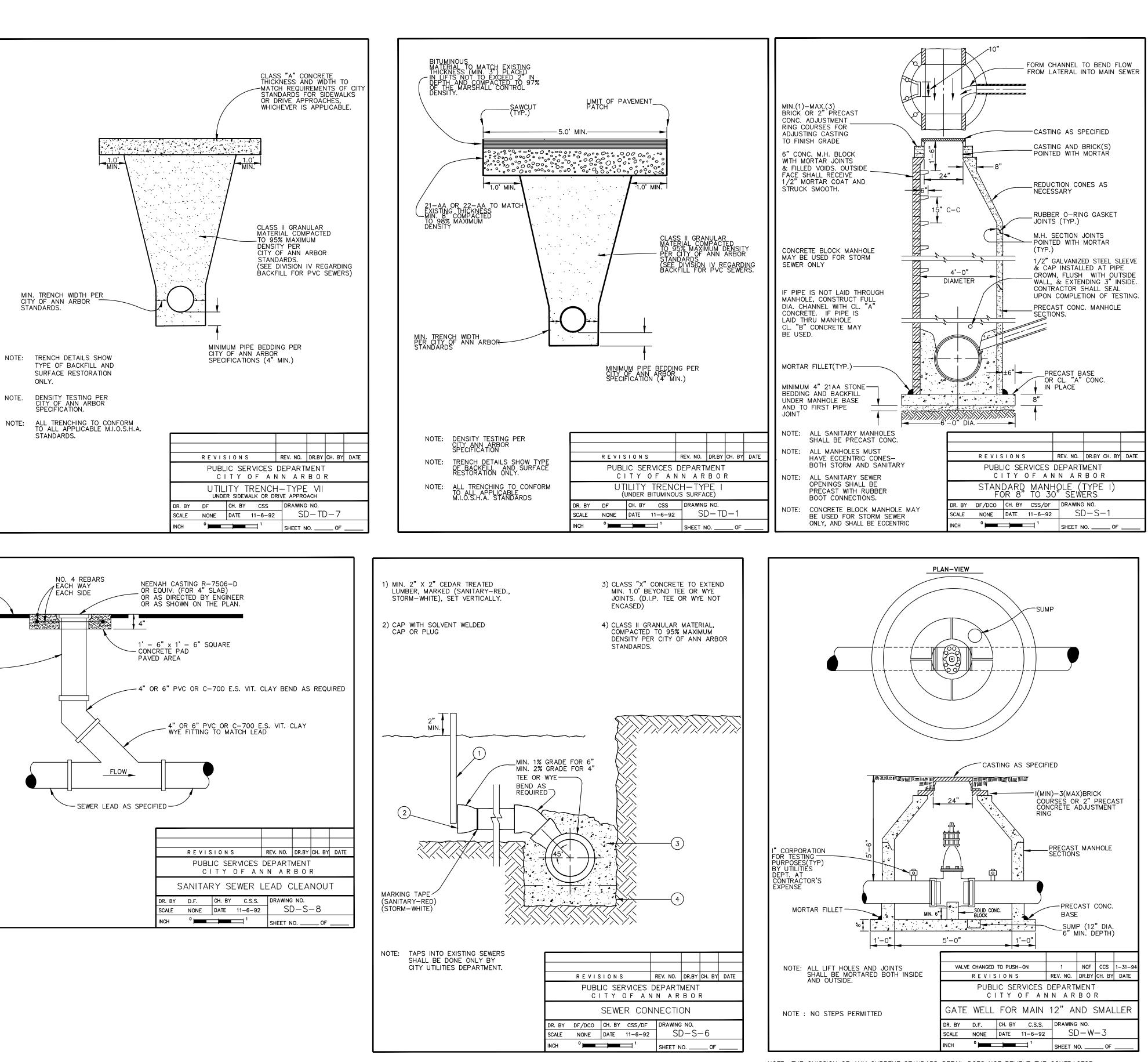
			PAVEMENT GRADE
TYPE OF CASTING	NEEHAH FOUNDRY	EAST JORDAN <u>IRON WORKS</u>	
Barrier Curb Inlet	R-3013B, Type S grate (500 Pounds)	7045, Type M1 grate (490 Pounds)	
Barrier Curb Double Inlet	R-3249F, Type S grate (410 Pounds)	N/A	4" OR 6" PVC OR C–700 E.S. VI CLAY RISER (LENGTH AS REQ'D.)
Mountable Curb Inlet	R-3034B, Type S grate (500 Pounds)	7065, Type M1 grate (470 Pounds)	
Gutter Inlet	R-3448C, Type S grate (285 Pounds)	5080, Type M2 grate (315 Pounds)	
Gutter Double Inlet	R-3448B, Type S grate (265 Pounds)	5000, Type M2 grate (285 Pounds)	
Yard Drain	R-2560-E1 (285 Pounds)	1040, Type 02 grate (355 Pounds)	
Yard Drain in City Park	N/A	1040, Type M1 grate (400 Pounds)	
*Manhole Frame & Cover	R-1642, Type C Cover (380 Pounds)	1040, Type A Cover (400 Pounds)	NOTE: CONCRETE SLAB IS N REQUIRED IF CLEANOU
Watertight Manhole Frame and Cover	N/A	1040-WT (400 Pounds)	IN GREENBELT AREA.
Monument Box	N/A	8360 (100 Pounds)	

\*Frames and covers must have machined bearing surfaces. Covers must have two (2) 1" vent holes located opposite each other and 6" from the edge of the cover. Each cover shall have "Sewer", "S" or "Water", "W" cast in the surface, whichever is applicable.
\*\*Frames and covers must have machined bearing surfaces. Each cover shall have "Sewer", "S" or

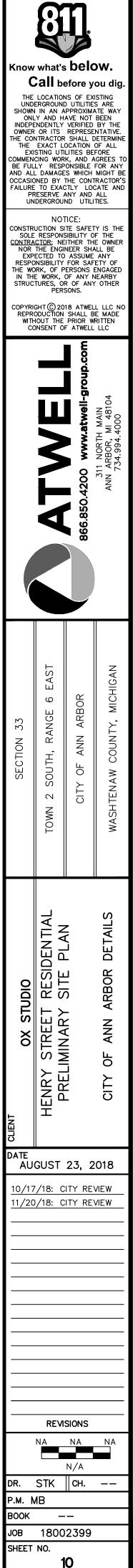
"Water", "W" cast in the surface, whichever is applicable.

	REVIS	IONS		REV. NO.	DR.BY	СН. ВҮ	DATE	
PUBLIC SERVICES DEPARTMENT CITY OF ANN ARBOR								
	STANDARD CASTING SCHEDULE							
DR. BY	JPB	CH. BY	CSS	DRAWING	6 NO.			
SCALE	NONE	DATE	6-12-92	S	)—Gl	J-5		
INCH				SHEET N	10	OF		

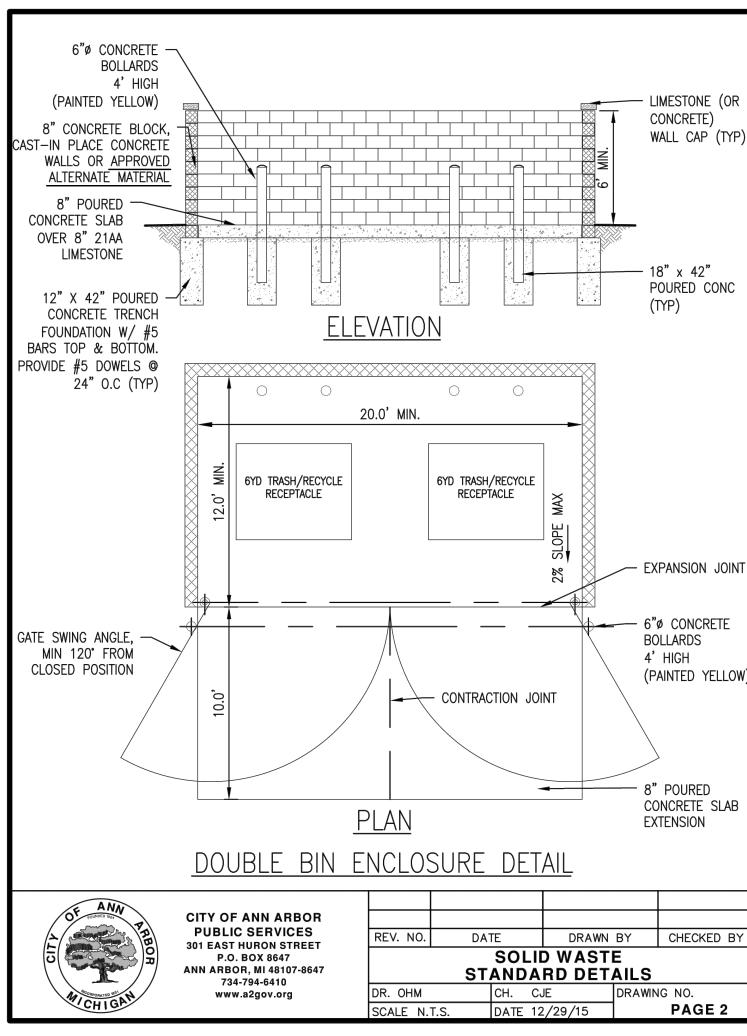
99\DWG\PLAN SETS\SITE-PRELIMINARY\18002399PSP-09-DT.DWG 11/21/2018 2:50 PM CHRIS ROTHHAAR



NOTE: THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THE REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS AND DETAILS.



AD FILE: 18002399PSP-C



- LIMESTONE (OR	<u>GE</u>	NERAL N	NOTES:						
CONCRETE) WALL CAP (TYP)		CLEAR SPACE DIMENSION OF	E MUST BE MAINTAINED DIRECTLY SHALL BE A MINIMUM OF FIFTY ( THE ENCLOSURE PLUS FOUR (4 AT LEAST TWENTY—FIVE (25) FE	(50) FEET I ) FEET ON	LONG BY T BOTH SIDI	THE WIDTH ES. A MIN	OF THE IN NIMUM VERT	SIDE	E
- 18" x 42" POURED CONC	2.	REQUIREMENTS. SWEPT PATH A	EGRESS ROUTES MUST BE DEVEL . A MINIMUM HORIZONTAL CLEAF ND A MINIMUM VERTICAL CLEARAI NG THE ENTIRE ROUTE.	RANCE OF 1	WO (2) F	EET FROM	THE EDGE	OF THE	
(TYP)	3.	POSITION. THE	CLOSURES MUST BE DESIGNED TO GATES MUST NOT REDUCE THE S, OR BE IMPEDED BY ADJACENT	REQUIRED E	ENCLOSURE	E OPENING			
	4.		BE DESIGNED TO BE FREE STAND SESSARY, 12—INCHES SHALL BE #						
	5.	GATE DESIGN S CLOSED POSITI	SHALL INCLUDE A RELIABLE MEAN ONS.	S TO SECU	IRE THE D	oor in Bo	oth the of	PEN ANI	)
	6.		SLAB IN FRONT OF THE BIN EN AS APPROVED BY CITY.	ICLOSURE S	SHALL HAV	e pavemen	NT MARKING	is to In	NDICATE
	7.		OWNER SHALL BE RESPONSIBLE ALONG THE SOLID WASTE INGRE RUCTIONS.						
EXPANSION JOINT 6"ø CONCRETE BOLLARDS	8.	WASTE BIN EN OR INTERPRET	OCIATED STANDARD DETAILS FOR CLOSURE LAYOUT AND DESIGN CH THESE DETAILS AS NECESSARY, ARDS TO SOLID WASTE PICK—UP.	RITERIA. TH	HE CITY SH	HALL HAVE	THE ABILIT	Y TO M	ODIFY
4' HIGH (PAINTED YELLOW)	9.	SUPPORT THE WEIGHT (GVW) WEATHER DRIVI	ACCESS ROADS AND SERVICE ARE IMPOSED LOADS OF COLLECTION AND SHALL BE PROVIDED WITH A NG CAPABILITIES. PROPERTY OWN VIRED FOR SAFE ACCESS OF SOL	TRUCKS W AN APPROVI ER SHALL	EIGHING U ED SURFAC BE RESPO	P TO 66,0 CE SO AS	00 LBS GR TO PROVIDE	OSS VE E ALL	HICLE
8" POURED CONCRETE SLAB EXTENSION	10.	MAJOR ELECTR	STE COLLECTION LOCATION SHALL ICAL EQUIPMENT, ABOVE GROUND TAD OBSTRUCTIONS.						
	65	ANN	CITY OF ANN ARBOR	00	06/05	5/18	ОНМ		CJE
CHECKED BY		ET .	PUBLIC SERVICES	REV. NO.	DA1	·	DRAWN E	3Y	CJE CHECKED BY
.S		John John John John John John John John	301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647			SOLID	WASTE D DETA		
S WING NO.		ARCORPORATED WS1	734-794-6410 www.a2gov.org	DR. OHM		CH. CJE			G NO.
PAGE 2	N.	CHIGAT		SCALE N.		DATE 02/			PAGE 5

# GENERAL NOTES CONTINUED: 11. IF FORWARD ACCESS TO THE PUBLIC STREET IS NOT AVAILABLE FOR THE SOLID WASTE TRUCK, THE SITE DEVELOPMENT LAYOUT MUST ACCOMMODATE A TURN-AROUND LOCATION. 12. FOR SITES THAT CANNOT ACCOMMODATE A TURN-AROUND, THE FOLLOWING REQUIREMENTS MUST BE MET: 12.1. SOLID WASTE TRUCKS MUST BE ABLE TO SERVICE DUMPSTERS WITHOUT IMPEDING THE PUBLIC STREET OR SIDEWALK. 12.2. THE DUMPSTER COLLECTION LOCATION SHALL BE CLEARLY DELINEATED AND NOT HAVE A SLOPE GREATER THAN 2% IN ANY DIRECTION. 12.3. BOLLARDS OR ADEQUATE CLEAR SPACE MUST BE PROVIDED BEHIND THE LIFT POINT SO THE DUMPSTERS ARE NOT POTENTIALLY PUSHED INTO ANY BUILDING OR ACCESS ROUTE. 12.4. ALL SWEPT-PATH CLEARANCE REQUIREMENTS PREVIOUSLY IDENTIFIED SHALL BE PROVIDED. 12.5. A VERTICAL CLEARANCE OF 25 FEET SHALL BE PROVIDED ABOVE THE COLLECTION LOCATION. 13. FOR SITES THAT CANNOT ACCOMMODATE A STANDARD DUMPSTER ENCLOSURE, THE DUMPSTERS MAY BE ROLLED OUT OF A BUILDING OR ALTERNATE ENCLOSURE BY THE PROPERTY OWNER TO A PROPOSED COLLECTION LOCATION. A COLLECTION SCHEDULE FOR RECYCLING AND TRASH COLLECTION SHALL BE PROVIDED ON THE SITE PLAN. 14. FOR SITES ADJACENT TO A PUBLIC ALLEY, SOLID WASTE TRUCKS ARE PERMITTED TO ACCESS THE PROPERTY THROUGH THE ALLEY IF SWEPT-PATH CLEARANCE REQUIREMENTS CAN BE PROVIDED. 15. SOLID WASTE COLLECTION LOCATIONS MUST BE LOCATED WITHIN THE BOUNDARIES OF THE PROPERTY.

OF ANN POLINDED BEA	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 734-794-6410	00	06/05/18	ОНМ		CJE
		REV. NO.	DATE	DRAWN	BY	CHECKED BY
		SOLID WASTE STANDARD DETAILS				
MCORPORATED 1851	www.a2gov.org	DR. OHM	сн. с	JE	DRAWING NO.	
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CONSTRU SOLE CONTRA NOR CONSTRU SOLE CONTRA NOR EXPL CONTRA NOR EXPL STRUC	LOCATION ERGROUNE IN AN A VAND H INDENTLY OR ITS STING UTI CING WOR LY RESPONE TO EXAC DERGROUI NOT JOTION SI CTOR: NE THE ENGI ECTDE TO INSIBILITY RK, OF P E WORK, I TURES, OI PER:	below before y by the performance of the performanc	TOU DIG. ISTING SARE ATE WAY BEEN BY THE ISTATIVE. DETERMINE OF ALL FOR ANY MIGHT BE IRACTOR'S CATE AND ALL TIES. TY IS THE IE OWNER ALL BE CATY OF ENGAGED VEARBY Y OTHER LL LLC NO RITTEN
SECTION 33	TOWN 2 SOUTH, RANGE 6 EAST	CITY OF ANN ARBOR	WASHTENAW COUNTY, MICHIGAN
CLIENT OX STUDIO	HENRY STREET RESIDENTIAL		CITY OF ANN ARBOR SOLID WASTE DETAILS
10/17 11/20	STK IB	ITY RE	

# Henry Street Residential

814-830 Henry Street - Ann Arbor, MI

# **Released For: Site Plan Review**

Release Date: 08/20/2018 O X Project Number: HSR18

# **Project Description**

The proposed project is a multi-family townhome development located at the southwest intersection of Henry Streets and Industrial Highway. The site is located at a unique intersection of Ann Arbor. The uses specific to this block include single-family and multi-family projects sequestered in a landlocked district between several arterial streets – Stadium Boulevard (immediately proximate to the eastern approach rise to the Stadium bridge) to the north; State Street to the west and Industrial to the east. Surrounding land uses include large format convenience retail and entertainment (Lucky's, CVS Pharmacy, Revel & Roll) and smaller sundry retail and food service establishments that promote pedestrian interaction and connectivity throughout the entire neighborhood. Of course, the primary University of Michigan athletic campus is located along State Street connecting to both the north and south and directly accessible via both pedestrian, transit and vehicular routes.

There are both small and large apartment complexes located in proximity to the development the enhance the pedestrian character of the neighborhood. These include city-owned housing, older homes converted to multi-family residences, single family homes, and even such large apartment complexes as Woodbury Gardens. The predominant nature of the neighborhood is rental.

The overall composition of the proposed project is 11 6-bedroom townhomes seated on top of a partially below-grade parking level. The parking area is accessed via a curb cut to the western edge of the property along Henry Street with a two-way ramp for vehicular ingress and egress. 18 vehicular parking spaces are provided (17 required) within this zone along with 10 protected bicycle parking spaces (2 Type A required). Solid waste storage is provided within the ramp zone and additional utility/mechanical spaces are likewise accommodated underneath the structural plinth. Stairs are provided for exit and convenience egress and access to the parking zone.

Each townhome is designed to be a stand-alone unit, sharing only the exterior areas as collective commons space. The units are arrayed in "rows" of 5 (north) and 6 (south) unit clusters based upon a relatively common unit layout. The design accommodates a common "mews" condition that allows for communal access and gathering between the units will likewise providing additional windows for expansive daylighting and natural ventilation. Each unit will have an independent front door access from the primary frontage (north and south) condition and will likewise have a second door that is accessed from the mews area.

The typical units are conceived as three-story walk up units. The first floor will be the common living area and will include kitching, dining and living/gathering spaces. The second and third floors are exclusively bedrooms with the second floor containing four bedrooms and four bathrooms (each bedroom has its own bathroom). The third floor, crafted out of the gable roof volume, is composed of two bedrooms sharing a common bathroom. A central stair provides access to all the floors internal to each townhome.

# R4C Multi-Family Schedule of Area, Height and Placement Regulations:

<u>Per 5:34</u>		
Minimum Lot Area per Dwelling Unit	=	2,175 sf
Minimum Usable Open Space in Percantage of Lot Area	=	40%
Required Setback Line Minimum, Front Yard	=	25 ft
Required Setback Line Minimum, Side Yard	=	12 ft
Required Setback Line Minimum, Rear Yard	=	30 ft
Maximum Building Height in Feet	=	30 ft
Minimum Gross Lot Size, Area in Square Feet	=	8,500 sf
Minimum Gross Lot Size, Width in Feet	=	60 ft

# Existing Front Yard Setback Table:

# Per 5:57. - Averaging an existing front setback line:

In a residential zoning district, where the average of the established from setbacks of structures on all adjacent lots, which are located within 100 feet of either side of a lot and on which there are existing buildings, is greater than the required front setback specified in this chapter, a required setback line shall be provided on the lot equal to this greater average depth but not to exceed 40 feet. Where such average of the established front setbacks is less than minimum required front setback, the required setback line may be reduced to this lesser average depth, but in no case to less than 10 feet. For the purpose of computing such average, an adjacent vacant lot shall be considered as having the minimum required front setback specified for that zoning district, in which it is located.

Address	Existing Front Setback	Address	Existing Front Setback
812 Henry St	19' - 1"	S Industrial Hwy	24' - 5"
810 Henry St	16' - 8"	S Industrial Hwy	22' - 5"
808 Henry St	25' - 0"		
		Average Setback:	23' - 5"
Average Setback:	20' - 3"	-	

# Side Yard Setback Calculation:

# Per 5:34 R4C - Building Setbacks:

(1) In the R3, R4A, R4B, R4C, R4D, and R4E multiple family dwelling districts, the required side setback line minimum dimension, as set forth in the schedule of area, height and placement regulations (sections 5:25 through 5:49), shall be increased 3 inches for each foot of building height above 35 feet and 11/2 inches for each foot of building length over 50 feet. The rear required setback line the minimum dimensions, as set forth in the schedule of area, height and placement regulations (section 5:25 through 5:49), shall be increased 11/2 inches for each foot of building height over 35 feet and 11/2" for each foot of building width over 50 feet. The building length shall be the dimension of that side, which is parallel to the side lot line, of a rectangle within which the building may be located. The building width shall be the dimension of that side which is parallel to the front lot line, of a rectangle within which the building may be located.

# Project Team

Owner:	Prentice Partners (824 Henry, LLC) Contact: Heidi Mitchell 17 Canyon Lake Drive, Port Costa, CA 94569 (614) 205-2509 hcaroline19@gmail.com
Architect:	0 X Studio, Inc. Contact: Robb Burroughs, RA 302 S. State St., Suite B, Ann Arbor, MI 48104 (734) 929-9000 Robb@oxstudioinc.com
Civil Engineer:	Atwell, LLC Contact: Matt Bush, PE, LEED AP 311 North Main St., Ann Arbor, MI 48104 (810) 923-6878 mbush@atwell-group.com
Structural Engineer:	TBD

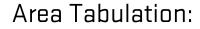
TBD

# Drawing List

Architectural	Sheet Number	Shee
	Architectu	ral

A-01	Title Sheet	Site Plan Review	08/20/2018
A-02	Unit Plans	Site Plan Review	08/20/2018
A-03	Typical Unit Floor Plans	Site Plan Review	08/20/2018
A-04	Exterior Elevations	Site Plan Review	08/20/2018
A-05	Building Section	Site Plan Review	08/20/2018
A-06	Exterior Rendering	Site Plan Review	08/20/2018
A-07	Exterior Rendering	Site Plan Review	08/20/2018



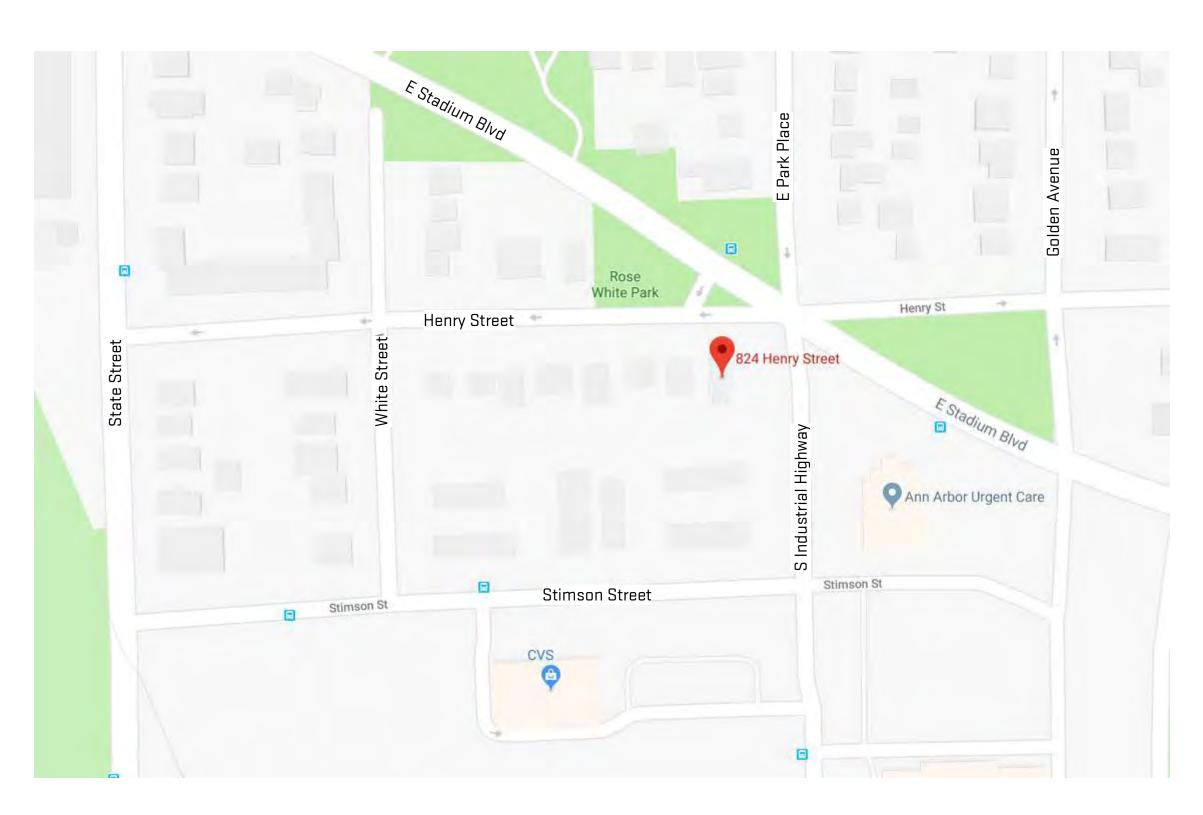


MEP Engineer:

Garden Level/Parl	<
Level 1:	
Level 2:	
Level 3:	

11,370 sf (covered under concrete plinth) 9,987 sf 10,424 sf 6,033 sf

37,814 sf



# Vicinity Map

king:

General Contractor: TBD

TOTAL AREA:

et Name	Current Revision Description	Current Revision Date

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Review

Plan

Site

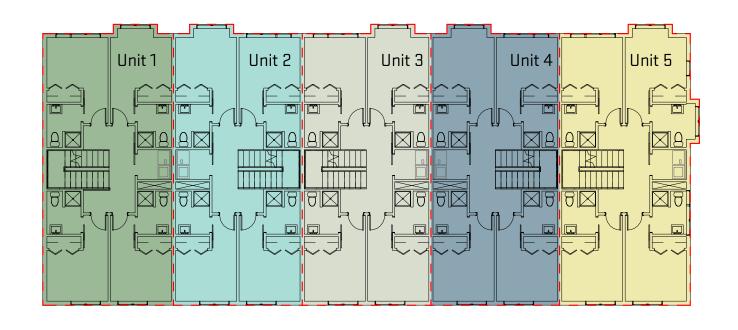
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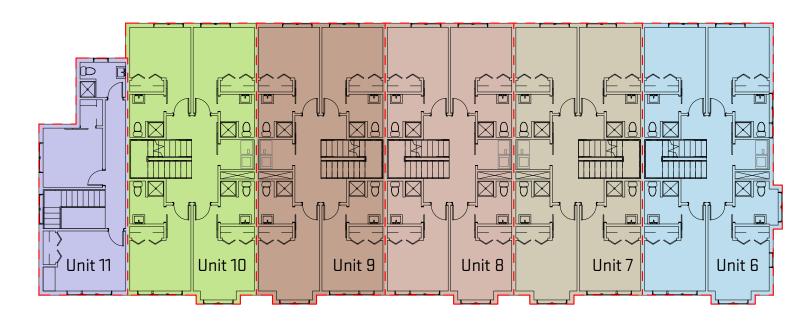
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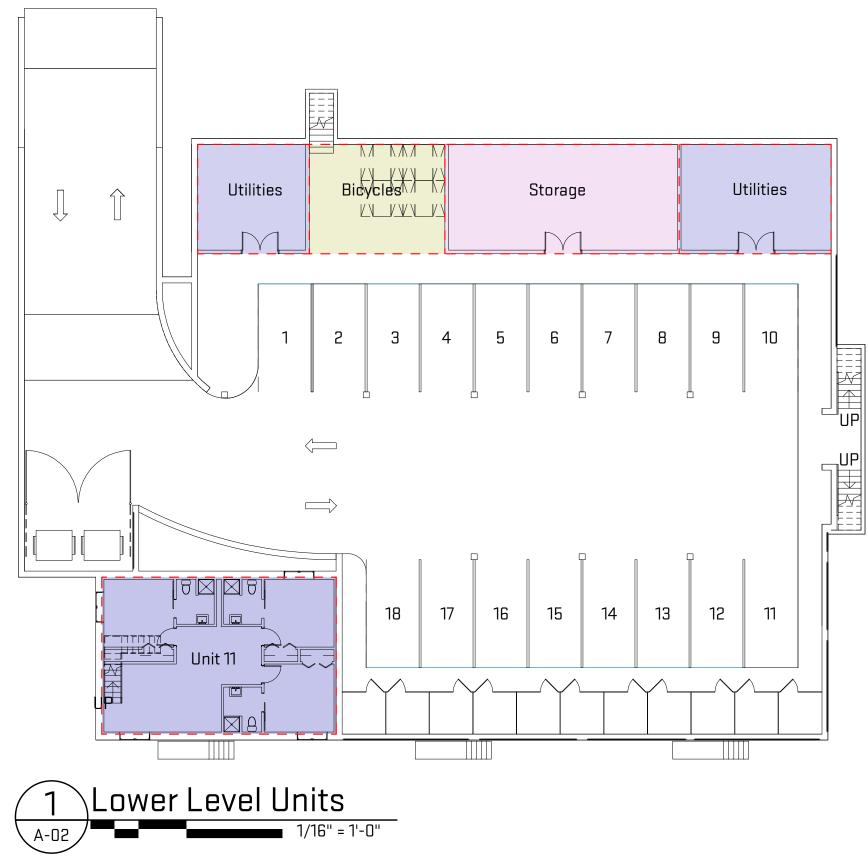




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Released For: Site Plan Review



Unit Plans

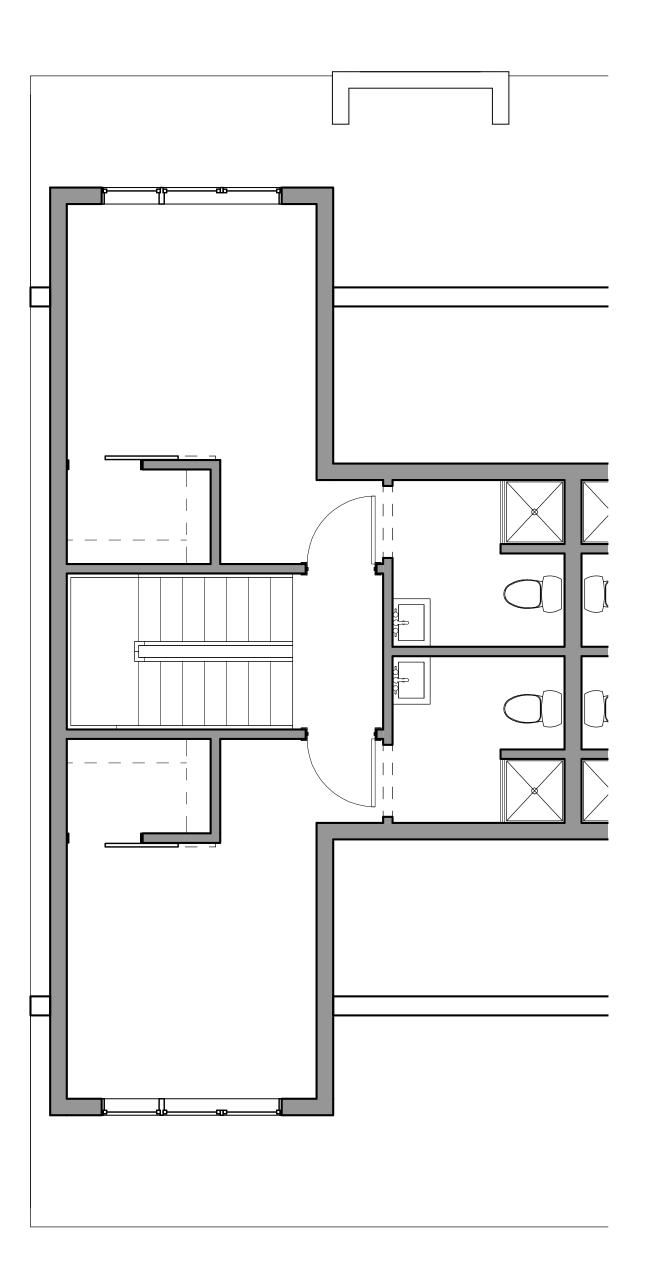
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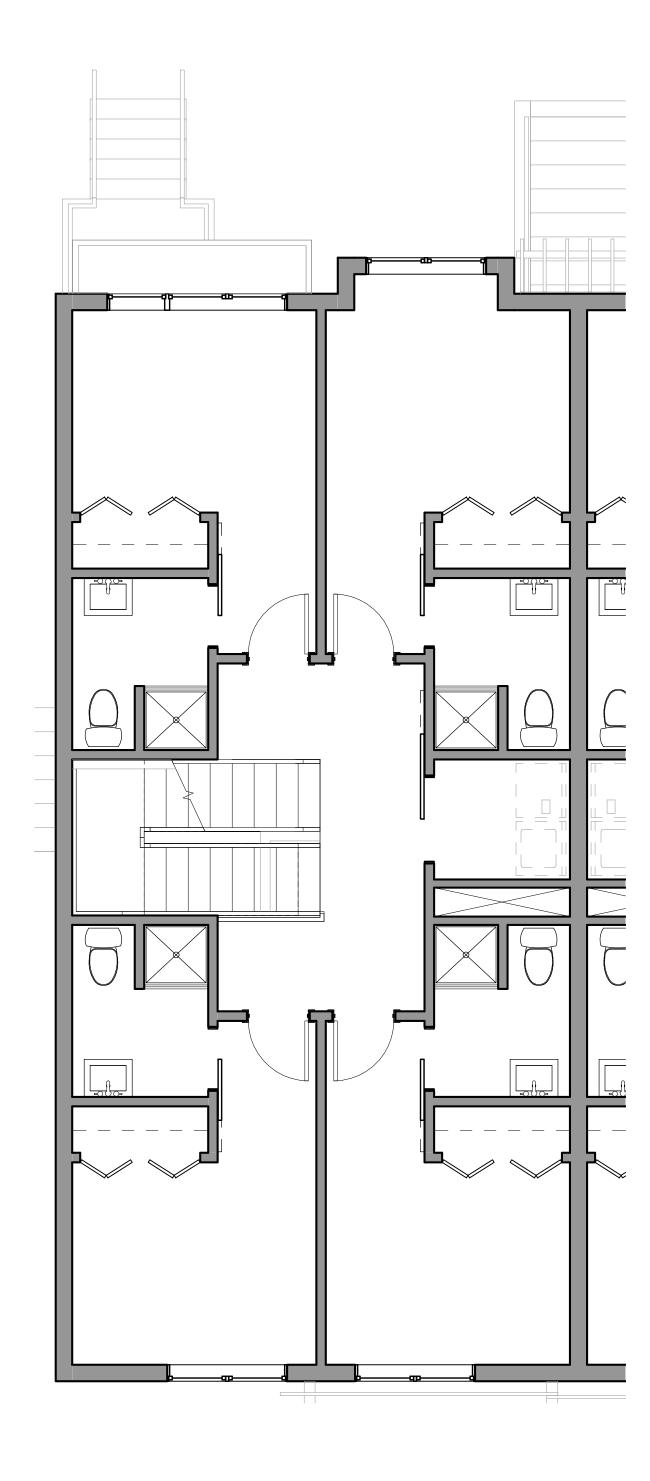
Street

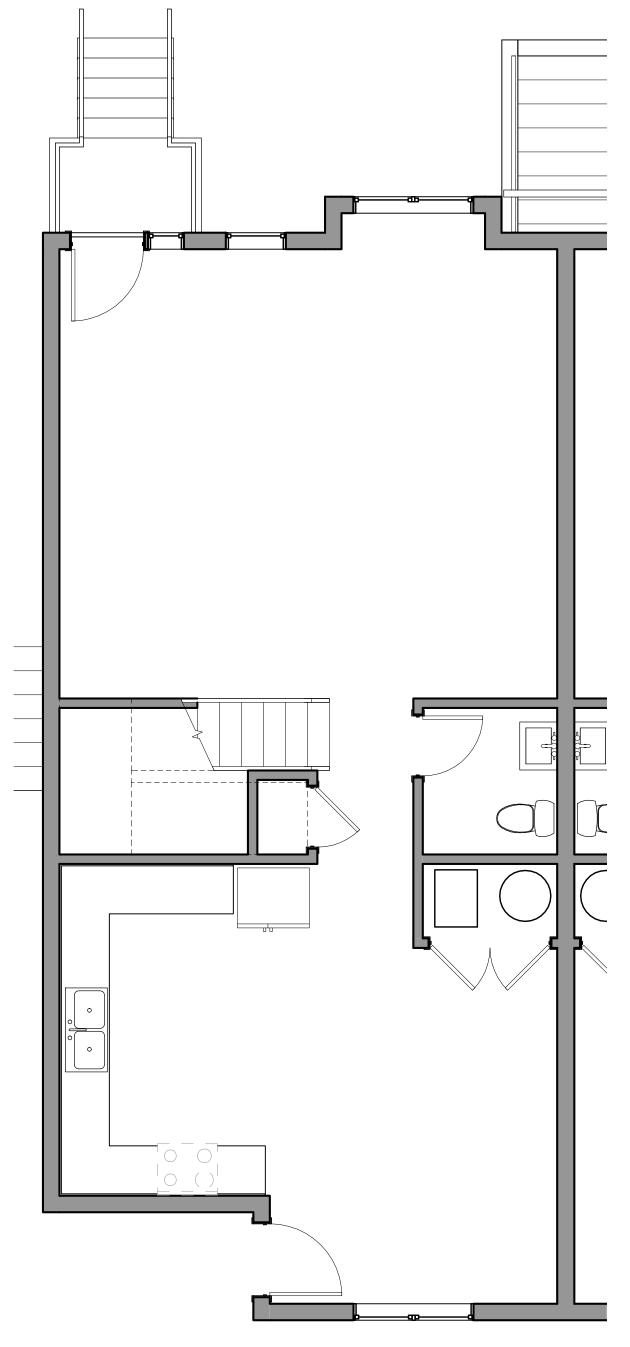
Henry

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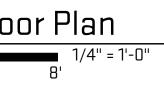












× **Typical Unit Floor Plans** 

Site Plan Review Released For: Residential

Street

Henry

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A-05



# <u>Aerial View</u>



# <u>View from Industrial Hwy</u>

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<u>Aerial View</u>



<u>View from Henry St</u>

Exterior Rendering

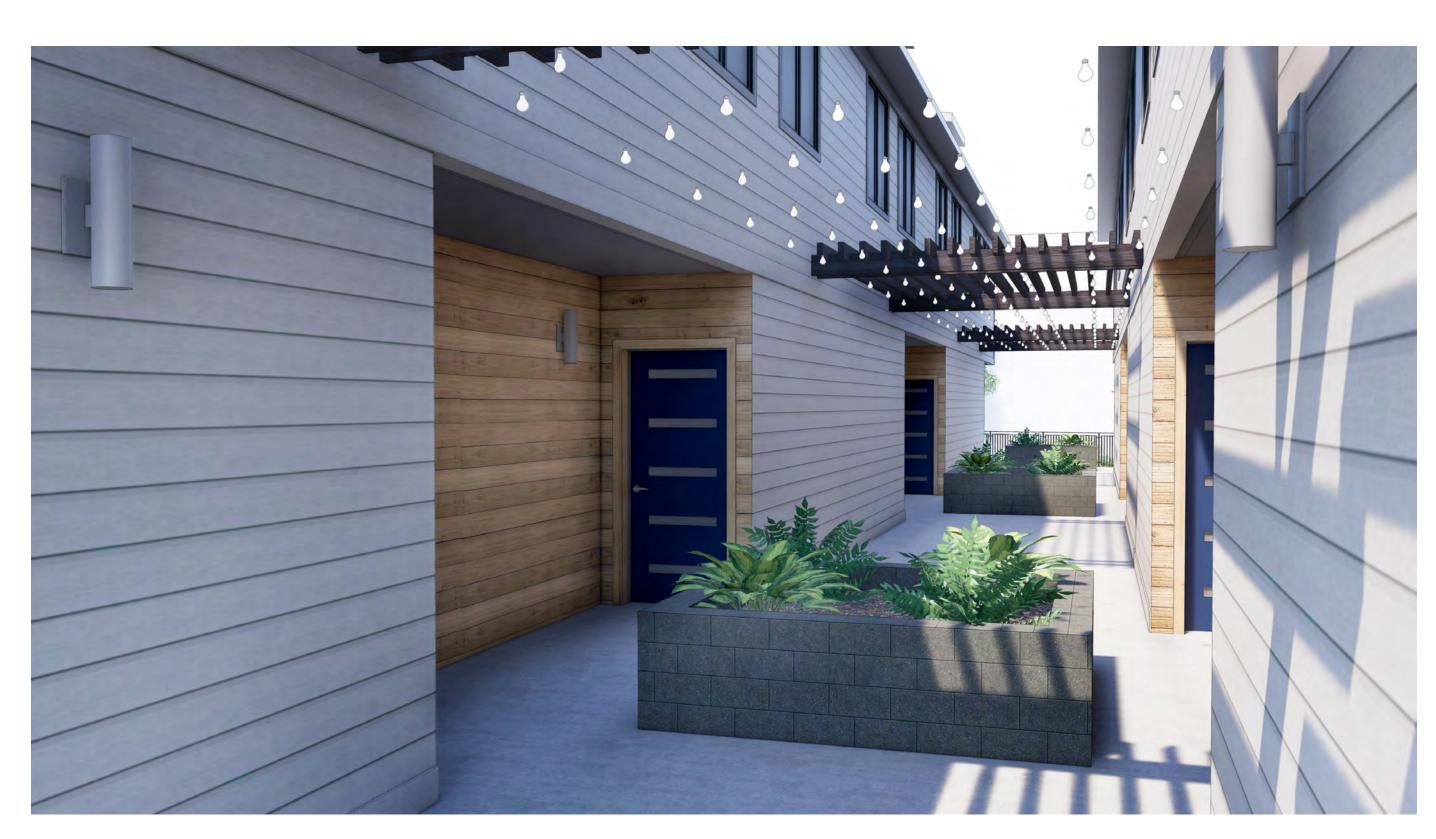
Henry Street Residential

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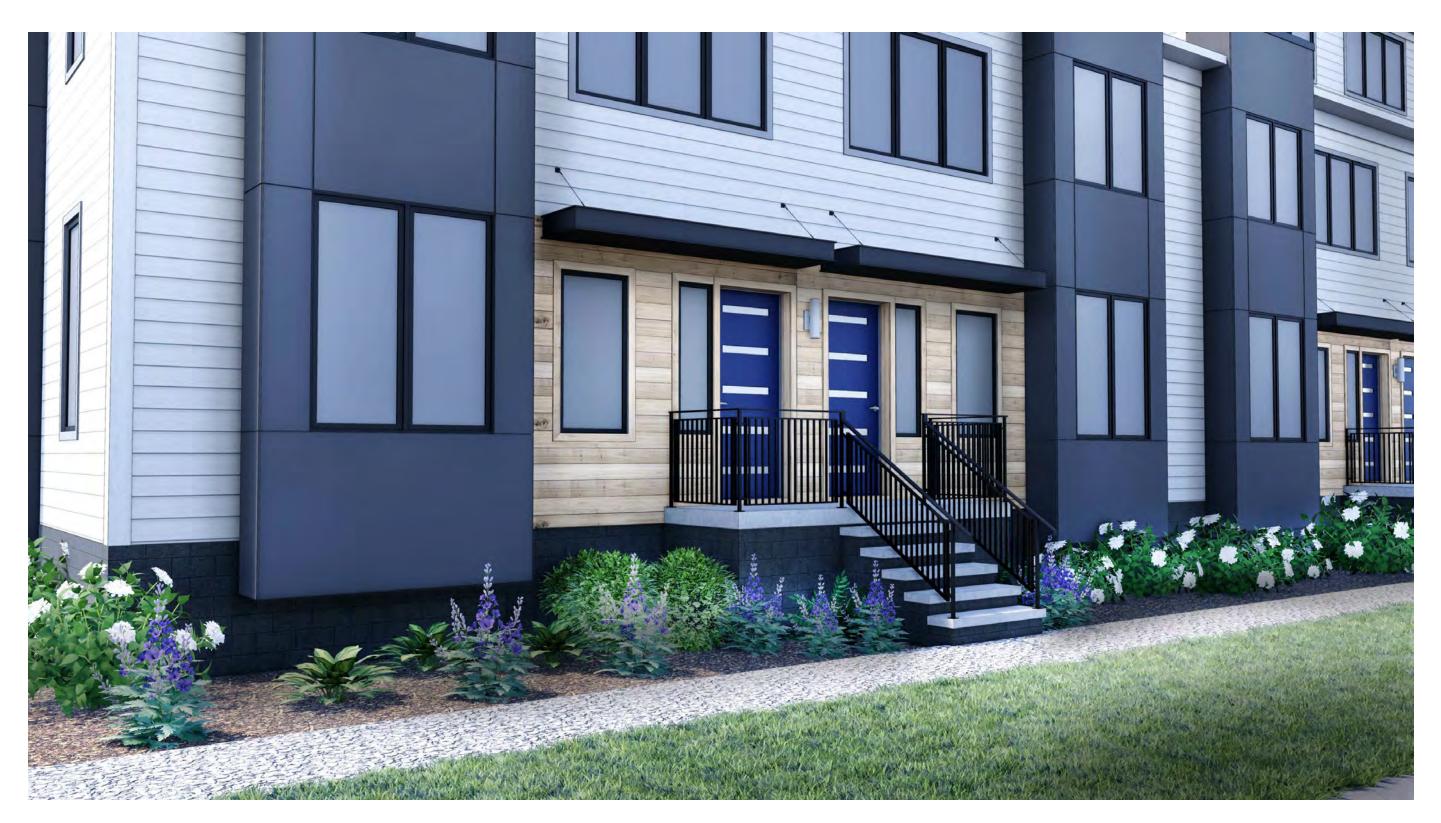


# <u>View from Industrial Rd</u>

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<u> View Along Mews Entrance</u>



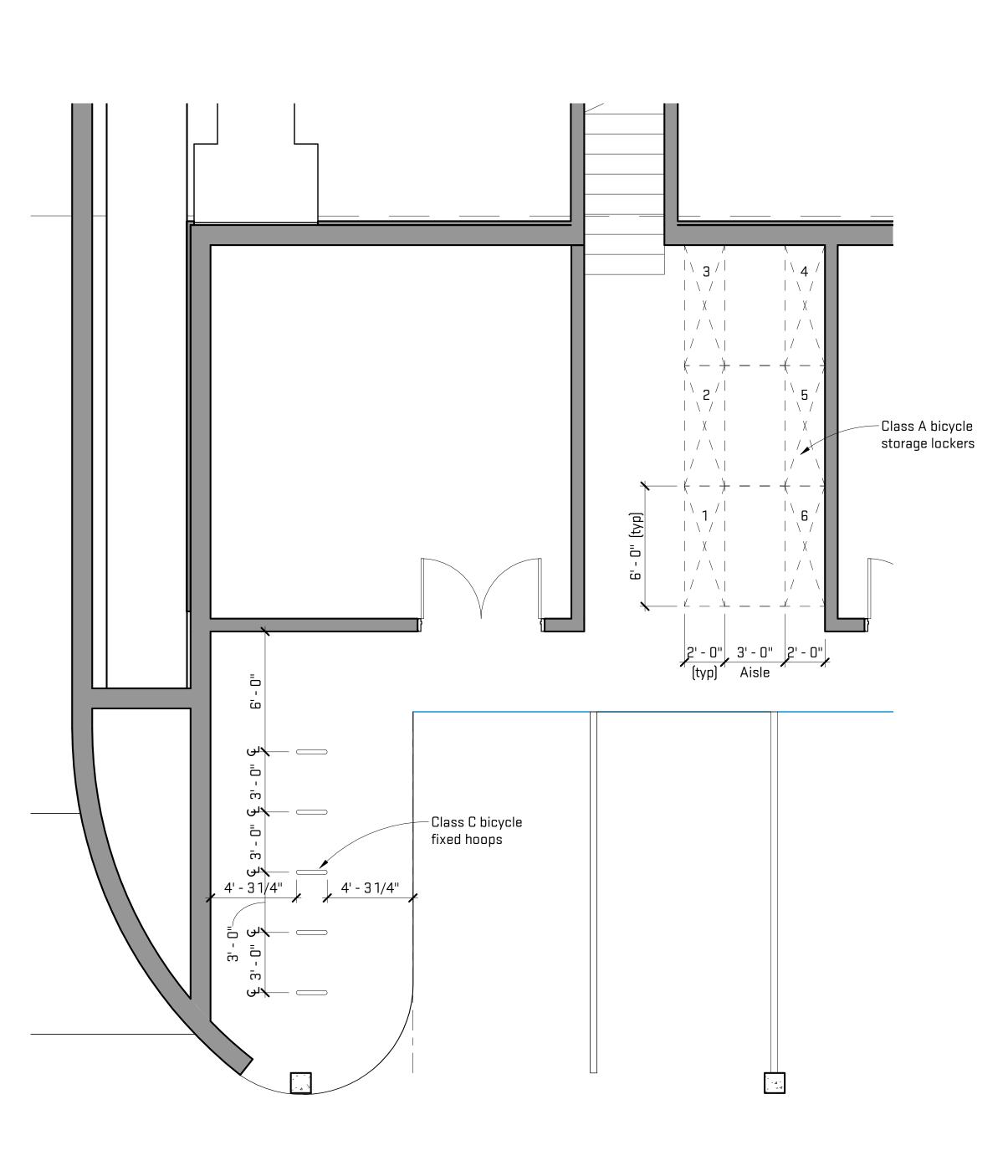
<u>View from Tenant Entries</u>



Exterior Rendering

Released For: Site Plan Review Jub Title: Henry Street Residential

A-07





<u>Per 5:167:</u>

R4C

11 Units = 3 bicycle spaces required

Provided:

# Bicycle Parking Facilities:

Per 5:168.1: Design of Bicycle Parking Facilities

Facility standards. When bicycle spaces are required by this chapter, the total number of spaces shall be provided by 1 or a combination of the following 3 classifications of bicycle facilities in accordance with section 5:167

Class A (medium to long-term parking)–Enclosed bicycle storage –Enclosed bicycle storage shall be in the form of individual enclosed storage lockers, an enclosed bicycle parking shed, a room within a building which contains individual storage lockers or rack spaces, or individual private garages. All types of enclosed bicycle storage shall be easily accessible, secure, well lighted and weather resistant. If racks within a room are used, 1 standard bicycle parking space shall consist of a space not less than 2 feet wide by 6 feet long with a minimum clear access aisle width of 3 feet. Credit can be extended for creative designs that use the available space more efficiently and store the equivalent number of bicycles in a smaller area. Asphalt, concrete, porous pavement, pavers or brick shall connect the enclosed bicycle storage area to a sidewalk or driveway. Enclosed bicycle storage constructed exterior to a building shall comply with the zoning regulations for accessory structures.

Class B (short to medium-term parking)—-Covered bicycle racks —Covered bicycle racks, such as hoop style racks or another type of rack that meets these standards, shall be securely anchored in pavement and designed so that both wheels and the frame of a bicycle may be securely locked with either a chain, cable or padlock. One standard bicycle parking space shall consist of a space not less than 2 feet wide by 6 feet long with a minimum clear access aisle width of 3 feet. Credit can be extended for creative designs that use the available space more efficiently and store the equivalent number of bicycles in a smaller area. Pavement shall meet city public services department standards. The racks shall be covered by a building overhang or a self-standing cover with a minimum clearance of 7 feet above grade. Asphalt, concrete, porous pavement, pavers or brick shall connect the covered bicycle racks to a sidewalk or driveway. All covered bicycle racks shall comply with zoning regulations for accessory structures.

Class C (short-term parking)—-Fixed bicycle racks —Fixed bicycle racks, such as hoop style racks or another type of rack that meets these standards, shall be securely anchored in pavement and designed so that both wheels and the frame of a bicycle may be securely locked with a chain, cable or padlock. One bicycle parking space shall consist of a space not less than 2 feet wide by 6 feet long with a minimum clear access aisle width of 3 feet. Pavement shall meet City Public Services Department standards. Asphalt, concrete, porous pavement, pavers or brick shall connect the fixed bicycle racks to a sidewalk or driveway.

Required Bicycle Spaces: 1 space per 5 units Required Bicycle Class: A- 50%, C - 50%

(6) Class A + (5) Class C = 11 bicycle spaces provided

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### **Citizen Participation Opportunity**

Postcards are sent to all property owners within 500 feet of a project site to give notice that a project petition has been submitted on 08/23/18. This postcard is intended to invite you to contact project developers so that you can learn, ask questions, and express concerns regarding the proposed project. Your comments will be considered by the developer when finalizing plans and then incorporated into a report for City Planning Commission.

### Project Location



### Project Description

The Petitioner has respectfully submitted plans to the City for the redevelopment of the properties located at 814, 818,824/830 Henry Street for the purposes of constructing eleven townhomes situated over partial below grade parking.

### **Questions or Comments**

Questions or comments may be directed *Heidi Mitchell* at 830henrystreet@gmail.com or during business hours at (614) 205-2509.

Return Address Prentice Partners Ann Arbor, LLC PO Box 70 Port Costa, CA 94569

Proposed Site Plan for City Council Approval

In accordance with the City of Ann Arbor's Citizen Participation Ordinance, you are being notified that a proposal for *Site Plan Approval* has been submitted to the City of Ann Arbor's Planning Department. Details about how you can learn more and comment upon this project are described on the opposite side of this card. Visit <u>www.a2gov.org/participation</u> for more information about citizen participation in Ann Arbor.



Place address label here

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### 830 HENRY - DEVELOPMENT AGREEMENT

THIS AGREEMENT, made this \_\_\_\_\_ day of \_\_\_\_\_, 20<u>19</u>, by and between the City of Ann Arbor, a Michigan municipal corporation, with principal address at 301 East Huron Street, Ann Arbor, Michigan 48107, hereinafter called the CITY; and Prentice Partners Ann Arbor, LLC, a Wyoming Foreign Limited Liability Corporation, with principal address at 4420 Jackson Rd., Suite 102, Ann Arbor, MI 48103, hereinafter called the DEVELOPER, witnesses that:

WHEREAS, the DEVELOPER owns certain land in the City of Ann Arbor, described below and site planned as 830 Henry Street, and

WHEREAS, the DEVELOPER has caused certain land in the City of Ann Arbor, described below to be surveyed, mapped and site planned as 830 Henry Street, and desires site plan and development agreement approval thereof, and

WHEREAS, the CITY desires to ensure that all of the Improvements required by pertinent CITY ordinances and regulations be properly made, and that the DEVELOPER will install these Improvements prior to any permits being issued.

### THE DEVELOPER(S) HEREBY AGREE(S):

(P-1) To install all water mains, storm sewers, and sanitary sewers, pursuant to CITY approved plans and specifications, necessary to connect the site with existing CITY systems adjacent to the site prior to the issuance of any building permits.

(P-2) To indemnify, defend and hold the CITY harmless from any claims, losses, liabilities, damages or expenses (including reasonable attorney fees) suffered or incurred by the CITY based upon or resulting from any acts or omissions of the DEVELOPER, its employees, agents, subcontractors, invitees, or licensees in the design, construction, maintenance or repair of any of the Improvements required under this Agreement and the approved site plan.

(P-3) For the benefit of the residents of the DEVELOPER'S development, to make a park contribution of \$6,875 to the CITY Parks and Recreation Services Unit prior to the issuance of certificates of occupancy for Improvements to Frisinger or Rose White Parks.

(P-4) To construct, repair and/or adequately maintain on-site storm water management system. If the DEVELOPER fails to construct, repair and/or maintain the private storm water management system, the CITY may send notice via first class mail to the DEVELOPER at the address listed above, requiring it to commence and complete the items stated in the notice within the time set forth in the notice. The CITY may cause the work to be completed at the expense of the DEVELOPER if the DEVELOPER does not complete the work within the time set forth in the notice.

(P-5) After construction of the private on-site storm water management system, to commission an annual inspection of the system by a registered professional engineer evaluating

its operation and stating required maintenance or repairs, and to provide a written copy of this evaluation to the CITY Public Services Area.

(P-6) To remove all discarded building materials and rubbish from the development at least once each month during construction of the development Improvements, and within one month after completion or abandonment of construction.

(P-7) No lot in 830 Henry may be divided such that an additional building parcel is created.

(P-8) DEVELOPER is the sole title holder in fee simple of the land described below except for any mortgage, easements and deed restrictions of record and that the person(s) signing below on behalf of DEVELOPER has legal authority and capacity to enter into this Agreement for DEVELOPER.

(P-9) Failure to construct, repair and/or maintain the site pursuant to the approved site plan and/or failure to comply with any of this approved Agreement's terms and conditions shall constitute a material breach of the Agreement and the CITY shall have all remedies in law and/or in equity necessary to ensure that the DEVELOPER complies with the approved site plan and/or the terms and conditions of the approved Agreement. The DEVELOPER shall be responsible for all costs and expenses including reasonable attorney fees incurred by the CITY in enforcing the terms and conditions of the approved site plan and/or Agreement.

(P-10) In addition to any other remedy set forth in this Agreement or in law or equity, if DEVELOPER fails to make a timely or full payments to the CITY as set forth elsewhere in the Agreement to the CITY in the agreed upon manner, any unpaid amount(s) shall become a lien, as provided under Ann Arbor City Code and recorded with the Washtenaw County Register of Deeds, against the land described below and may be placed on the CITY tax roll as a single lot assessment, or if the development is converted to condominium ownership, every owner of a portion of the property shall pay a pro-rata share of the amount of the payments attributable to each condominium unit. If the unpaid amount(s), in whole or in part, has been recorded as a lien on the CITY'S tax roll and with the Washtenaw County Register of Deeds, upon payment of the amount in full along with any penalties and interest, the CITY, upon request, will execute an instrument in recordable form acknowledging full satisfaction of this condition.

(P-11) To pay for the cost of recording this Agreement with the Washtenaw County Register of Deeds, and to pay for the cost of recording all documents granting easements to the CITY.

### THE CITY HEREBY AGREES:

(C-1) In consideration of the above undertakings, to approve the 830 Henry Street Site Plan.

(C-2) To use the park contribution described above for Improvements to Rose White and/or Frisinger Park.

(C-4) To provide timely and reasonable CITY inspections as may be required during construction.

(C-5) To record this Agreement with the Washtenaw County Register of Deeds.

(C-6) Other items as needed.

### **GENERAL TERMS**

Both the DEVELOPER and the CITY agree as follows:

(T-1) This Agreement is not intended to create a contractual right for third parties.

(T-2) This Agreement and any of its terms, conditions, or provisions cannot be modified, amended, or waived unless in writing and unless executed by both parties to this Agreement. Any representations or statements, whether oral or in writing, not contained in this Agreement shall not be binding on either party.

(T-3) This Agreement and any of its terms or conditions shall not be assigned or transferred to any other individual or entity unless prior approval of the CITY is received. Such approval shall not be withheld unreasonably.

(T-4) The obligations and conditions on the DEVELOPER, as set forth above in this Agreement and in the approved site plan, shall be binding on any successors and assigns in ownership of the following described parcel:

City of Ann Arbor, Washtenaw County, Michigan

THE LAND SITUATED IN THE CITY OF ANN ARBOR, COUNTY OF WASHTENAW, STATE OF MICHIGAN IS DESCRIBED AS FOLLOWS:

THE EAST 15.95 FEET OF LOT 5 AND ALL OF LOTS 6, 7 AND 8, BLOCK 9, HAMILTON ROSE AND SHEEHAN'S ADDITION, ACCORDING TO THE RECORDED PLAT THEREOF, AS RECORDED IN LIBER 1 OF PLAT(S), PAGE 24, WASHTENAW COUNTY RECORDS.

Parcel ID Nos.:09-09-33-316-007 09-09-33-316-008 09-09-33-316-009 09-09-33-316-010

(T-5) In addition to any other remedy in law or in equity failure to comply with all of the above paragraphs on the part of the DEVELOPER, or any part of the approved site plan, in part or in whole, shall give the CITY adequate basis and cause to issue a stop work order for any previously-issued building permits and shall be an adequate basis and cause for the CITY to deny the issuance of any building permits, certificates of occupancy, or any other permits unless and until the CITY has notified the DEVELOPER in writing that the DEVELOPER has satisfactorily corrected the item(s) the DEVELOPER has failed to perform.

(T-6) This Agreement shall be interpreted, enforced and governed under the laws of the State of Michigan and Ann Arbor City Code.

CITY OF ANN ARBOR, MICHIGAN 301 East Huron Street Ann Arbor, Michigan 48107

By:

Christopher Taylor, Mayor

By: Jacqueline Beaudry, City Clerk

Approved as to Substance:

Howard Lazarus, City Administrator

Approved as to Form:

Stephen K. Postema, City Attorney

Prentice Partners of Ann Arbor, LLC

By: \_

Heidi Mitchell, Title

STATE OF MICHIGAN

) )

County of Washtenaw

) ss:

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_\_ by Christopher Taylor, Mayor, and Jacqueline Beaudry, Clerk of the City of Ann Arbor, a Michigan municipal corporation, on behalf of the corporation.

NOTARY PUBLIC County of Washtenaw, State of Michigan My Commission Expires: \_\_\_\_\_\_ Acting in the County of Washtenaw

STATE OF	)	
County of	) SS: -	)

The foregoing instrument was acknow	wledged before me this day of	, 201
by,	of	, a
, on behalf of the	·	

NOTARY PUBLIC County of \_\_\_\_\_, State of \_\_\_\_\_ My Commission Expires: \_\_\_\_\_ Acting in the County of \_\_\_\_\_

DRAFTED BY AND AFTER RECORDING RETURN TO: Ann Arbor Planning & Development Services ATTN: Brett Lenart Post Office Box 8647 Ann Arbor, Michigan 48107 (734) 794-6265

### CRITERIA FOR RESIDENTIAL PARKING

- 1. Each requesting area must have a neighborhood association registered with the City's Planning and Development Services Unit.
- 2. Each association will be responsible for contacting residents, circulating a petition, and obtaining signatures for 60% or more of the households in the area. In these criteria, "household" means street address; "area" is defined as a residence with a street address on a street being requested for residential parking.
- 3. The petition must specify a requested maximum time limit beyond which it will be illegal to park a vehicle without first obtaining and displaying a valid residential parking permit for that specific zone.
- 4. The petition must encompass a minimal area of four square blocks, 16 block faces, or equivalent area or distance, all contiguous and all zoned for residential uses. This requirement may be amended by staff due to extenuating circumstances unique to a specific area.
- 5. Each applicant must be able to show proof of residency and must live in the residential parking permit area.
- 6. Except as otherwise specifically provided in these criteria, annual residential permits will be issued on the basis of a maximum of one (1) permit per vehicle per applicant residing within the parking district. For Group Housing within a parking district, the City will only accept applications from the management company or designee, completed with resident, residence, and vehicle information.
- 7. Each vehicle must be registered to the applicant, spouse, or licensed dependent living at the address (or parent of the student applicant). If a resident drives an employer assigned vehicle, the resident must provide written documentation of this assignment from their employer in addition to a copy of the vehicle registration.
- 8. Applicant's vehicle must be free of all outstanding parking violations prior to receiving a permit.
- 9. Applicants must pay the required fee as determined by Council Resolution. Residents with handicapper permits shall have their fee waived. Upon proof of financial hardship the Administrator may authorize fees to be reduced or canceled.
- 10. Applicant must permanently affix the permit in the area specified on the application.
- 11. Annual residential permits become null and void if found on a vehicle other than the one listed on the application.
- 12. Annual residential permits are available to residents only.
- 13. In neighborhoods contiguous with the University of Michigan central campus and designated by the City for residential parking, in addition to all other criteria contained in these guidelines, a maximum of four (4) permits will be issued per household. Also in these neighborhoods, for the sole purpose of issuing permits, "duplex" and "Group Housing" (such as a fraternity or sorority) will be considered as two households and be eligible for up to 8 permits. The management company of a Group Housing household may request, in writing, an increase from the limit of 8 permits to the number of legal on-street parking spaces, as verified by City staff, that exist on that portion of a street(s) that is included in the district and is adjacent to the Group Housing's property. Permits are issued for use within the assigned district and in no way assign or reserve spaces to a specific household.
- 14. A Set-up Fee for establishing new or expanded residential permit areas shall be as established by Council resolution. Such fee shall be submitted at the time of petition submittal requesting establishment

of a Residential Permit Parking Area. In the event the Residential Permit Parking Area is not established, such fee will be refunded to the Association filing the petition.

- 15. A household with property adjacent to a street in an approved residential parking permit district, but which has a street address on a block that is not in the district and on which block no residential permit parking is established will be treated as if it is located within the approved district. A resident of such a household may obtain a residential parking permit for parking on streets within the approved district under the same terms and conditions as provided in these Criteria for residents of a household with a street address on a street that is within the approved district.
- 16. The resident innkeeper of a bed and breakfast (B & B), as defined by any state law definition of B & B, may apply for and receive a maximum of eight (8) annual transferable permits for use by B & B guests only. These permits shall be available at the same cost established by council resolution for residential permits. The resident innkeeper and other residents of the B & B may also obtain permits under the same terms and conditions as provided in these Criteria for residents of a household.
- 17. Except as otherwise provided for districts contiguous with the U of M central campus, each Participating Household, which includes duplexes and Group Housing, is eligible for a maximum of one annual transferable visitor placard. A Participating Household is defined as a household in which at least one resident holds a valid annual residential permit issued by the City. For RPP Districts contiguous with the U of M central campus, residents of Participating Households that are not Group Housing may purchase up to four transferable visitor placards as long as the total of permits and placards issued to the household residents does not exceed five. For RPP Districts contiguous with the U of M central campus, the management company of a Group Housing household may purchase up to eight transferable visitor placards as long as the total of permits and placards issued to the Group Housing household does not exceed the number of annual residential permits for which the Group Housing is eligible plus one (i.e. 9 or one plus the number of legal on-street parking spaces as provided in Criteria #13). The fee for each visitor placard(s) is the same as established by council resolution for annual residential permits.
- 18. The Public Services Administrator may grant exceptions to one or more (except the provisions in paragraph 8) of these criteria when a request is received in writing from a resident with unique circumstances. The Public Services Administrator will evaluate the circumstances and may grant a "Special Exception" on a case-by-case basis provided the exception is in harmony with the general purpose and intent of City ordinance on residential parking districts.
- 19. Any decision regarding this residential parking program may be appealed to the City Administrator in accordance with the procedures established by Ann Arbor Ordinance Section 1:16. All appeals must be in writing and explain the decision being appealed, the reason why the decision should be overturned, and the remedy sought.
- 20. Upon approval of Council of criteria changes, a copy of the new criteria will be posted to the City website and sent to the Neighborhood Association's contact on file with the City's Planning and Development Unit and will serve as notice to the Association regarding changes to the program.

Adopted by Council 6/5/89, as amended by Council on 8/17/92, 4/19/04, 5/16/05, 8/1/05, 11/10/05, 1/23/06, and 2/21/06.