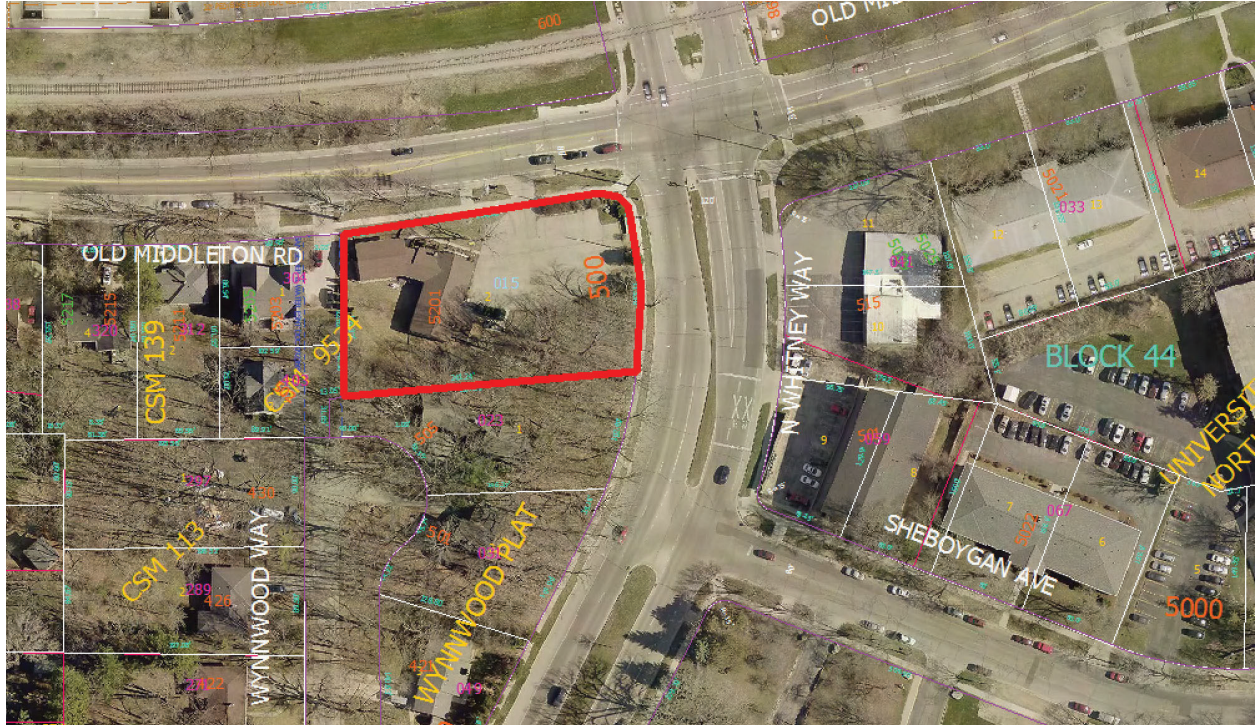


5201 Old Middleton Road  
Contract 9015  
MUNIS 13438  
Developer: Flad Development & Investment Corp.



**Summary of Improvements:**

- Widen Old Middleton Road 5 feet to the south to allow west bound / left-in turns.
- Old Middleton Road widening will require removal of existing street trees, new curb & gutter, and additional pavement.
- Construct new sidewalk and drive aprons as required to serve the development.
- Reconstruct bus stop pad.
- Private sanitary sewer lateral and water lateral connections.
- Private storm connection to new storm sewer extended west on Old Middleton Road from Whitney Way. There is possible cost share with the Storm Utility for the extended storm sewer.
- Private storm drainage flume to discharge to Whitney Way curb line.

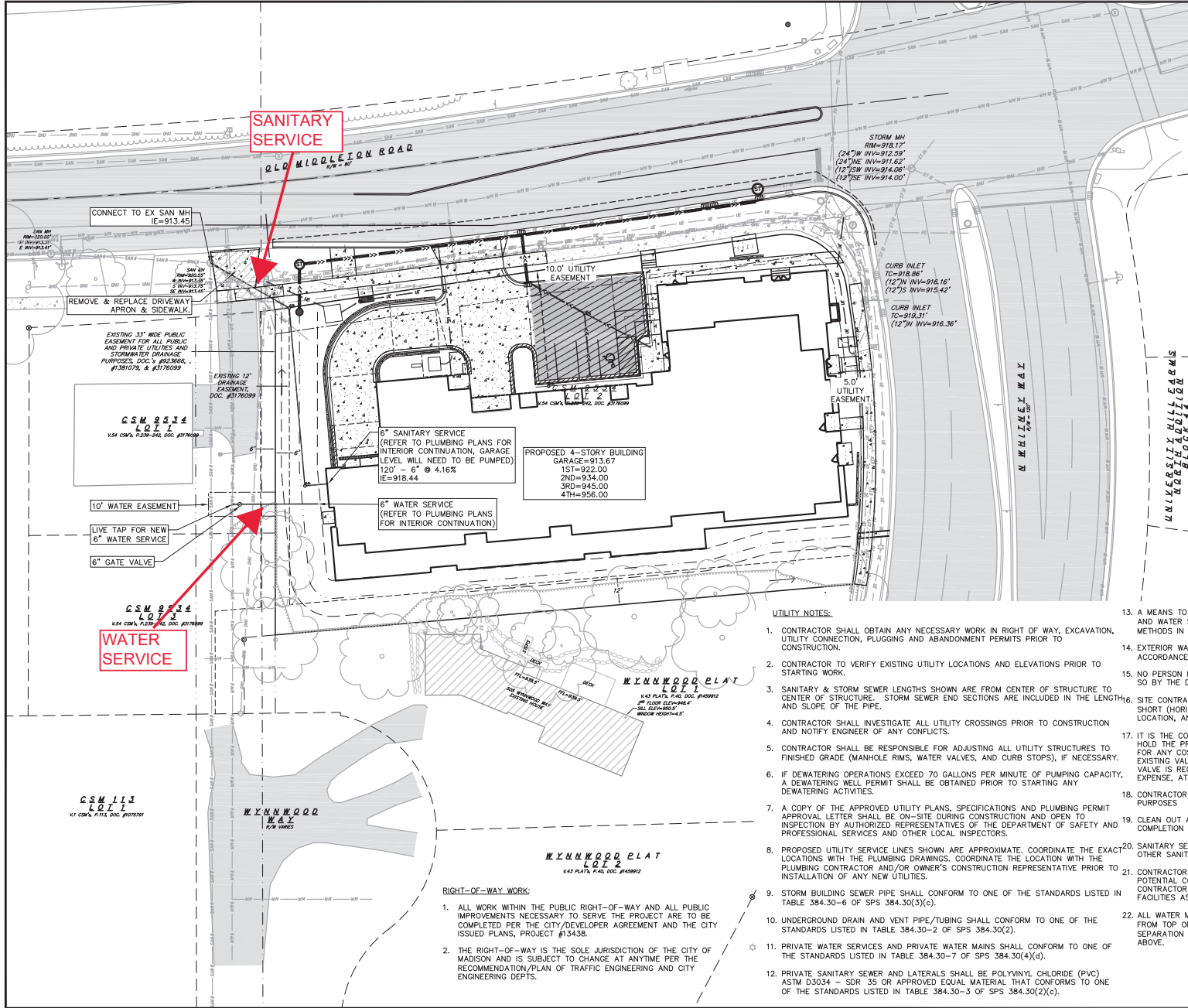








SCALE AS SHOWN	REVISIONS		REVISIONS	
	NO.	DATE	NO.	DATE
DATE 02/05/2021	DRAFTER JZAM	CHECKED ZDRE	REMARKS	
PROJECT NO. 200155				
C				
4.0				



ABBREVIATIONS	
STMH	STORM MANHOLE
FI	FIELD INLET
CB	CATCH BASIN
EW	ENDWALL
SMH	SANITARY MANHOLE

TOPOGRAPHIC LINEWORK LEGEND	
---	EXISTING UNDERGROUND CABLE TV
---	EXISTING OVERHEAD CABLE TV
---	EXISTING FIBER OPTIC LINE
---	EXISTING OVERHEAD TELEPHONE LINE
---	EXISTING UNDERGROUND TELEPHONE
---	EXISTING RETAINING WALL
---	EXISTING WOOD FENCE
---	EXISTING GAS LINE
---	EXISTING UNDERGROUND ELECTRIC LINE
---	EXISTING GUY LINE
---	EXISTING OVERHEAD ELECTRIC LINE
---	EXISTING OVERHEAD GENERAL UTILITIES
---	EXISTING SANITARY FORCE MAIN (SIZE NOTED)
---	EXISTING SANITARY SEWER LINE (SIZE NOTED)
---	EXISTING STORM SEWER LINE (SIZE NOTED)
---	EXISTING EDGE OF TREES
---	EXISTING WATER MAIN (SIZE NOTED)

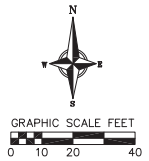
PROPOSED UTILITY LEGEND	
---	STORM SEWER PIPE
---	STORM SEWER MANHOLE
---	STORM SEWER CURB INLET
---	SANITARY SEWER LATERAL PIPE
---	SANITARY SEWER CLEANOUT
---	WATER SERVICE LATERAL PIPE
---	GAS MAIN
---	ELECTRIC SERVICE
---	PROPOSED PERMEABLE PAVEMENT

#### UTILITY NOTES:

- CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING AND ABANDONMENT PERMITS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING WORK.
- SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTHS AND SLOPE OF THE PIPE.
- CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
- IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
- A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
- PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATION WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
- STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
- UNDERGROUND DRAIN AND VENT PIPE/TUBING SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-2 OF SPS 384.30(2).
- PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
- PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
- A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
- EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b).
- NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
- SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
- CONTRACTOR TO CHLORINATE AND BACTERIA TEST BEFORE DOMESTIC SUPPLY PURPOSES
- CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
- SANITARY SEWER MAIN AT BURY DEPTHS GREATER THAN 15' SHALL BE SDR 21. ALL OTHER SANITARY SEWER MAIN SHALL BE SDR 26.
- CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
- ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.

#### RIGHT-OF-WAY WORK:

- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS NECESSARY TO SERVE THE PROJECT ARE TO BE COMPLETED PER THE CITY/DEVELOPER AGREEMENT AND THE CITY ISSUED PLANS, PROJECT #13438.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANYTIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPTS.





**vierbicher**  
planners | engineers | advisors  
Phone: (800) 261-3898

**Utility Plan**  
The Whitney Reserve  
5201 Old Middleton Rd  
Madison, Dane County, Wisconsin

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

DATE: 02/05/2021

DESIGNER: JZM

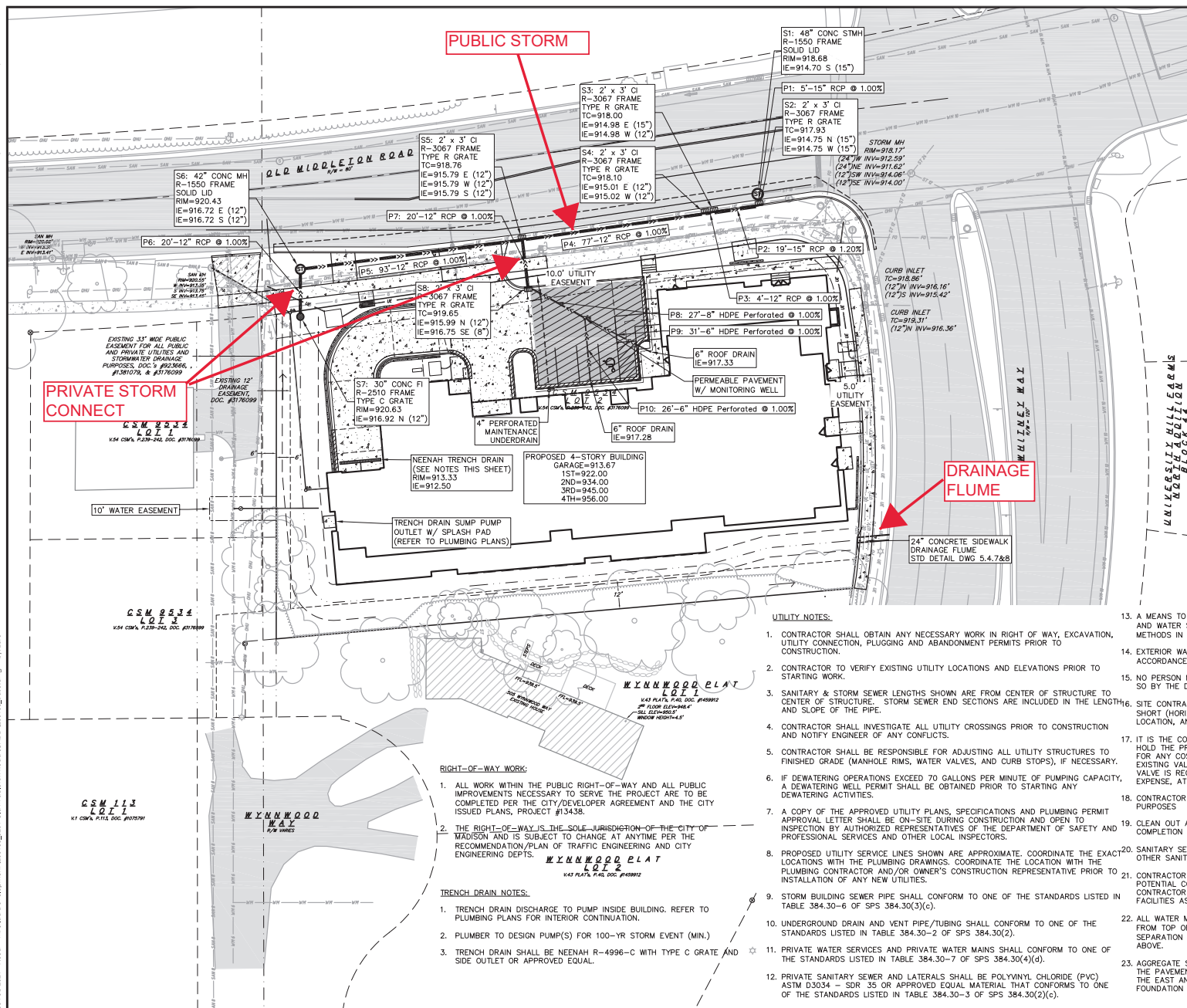
CHECKED: ZONE

PROJECT NO: 200155

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5.0














**ABBREVIATIONS**

STMH - STORM MANHOLE  
FI - FIELD INLET  
CI - CURB INLET  
CB - CATCH BASIN  
EW - ENDWALL  
SMH - SANITARY MANHOLE

TOPOGRAPHIC LINEWORK LEGEND

SYMBOL		DESCRIPTION
—TFT—	EXISTING UNDERGROUND CABLE TV	
—FTV—	EXISTING OVERHEAD CABLE TV	
—FIB—	EXISTING FIBER OPTIC LINE	
—OHT—	EXISTING OVERHEAD TELEPHONE LINE	
—OT—	EXISTING UNDERGROUND TELEPHONE	
○○○○○○○○○○○○○○	EXISTING RETAINING WALL	
□	EXISTING WOOD FENCE	
—G—	EXISTING GAS LINE	
—UE—	EXISTING UNDERGROUND ELECTRIC LINE	
—GUY—	EXISTING GUY LINE	
—ONE—	EXISTING OVERHEAD ELECTRIC LINE	
—DU—	EXISTING OVERHEAD FORCE MAIN (SIZE NOTED)	
—FM—	EXISTING SANITARY FUR MAIN (SIZE NOTED)	
—SAR—	EXISTING SANITARY SEWER LINE (SIZE NOTED)	
—ST—	EXISTING STORM SEWER LINE (SIZE NOTED)	
~~~~~	EXISTING EDGE OF TREES	
—W—	EXISTING WATER MAIN (SIZE NOTED)	

### PROPOSED UTILITY LEGEND

 STORM SEWER PIPE  
 STORM SEWER MANHOLE  
 STORM SEWER CURB INLET  
 SANITARY SEWER LATERAL PIPE  
 SANITARY SEWER CLEANOUT  
 WATER SERVICE LATERAL PIPE  
 GAS MAIN  
 ELECTRIC SERVICE  
 PROPOSED PERMEABLE PAVEMENT

13. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(1)(h) AND SPS 382.40(8)(k).
14. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b).
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18. CONTRACTOR TO CHLORINATE AND BACTERIA TEST BEFORE DOMESTIC SUPPLY PURPOSES
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22. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.
23. AGGREGATE STORAGE LAYER FOR PERMEABLE PAVEMENT SHALL EXTEND 18" BEYOND THE PAVED AREA FOOTPRINT. IMPERVIOUS MEMBRANE TO BE INSTALLED ALONG THE EAST AND SOUTH SIDES OF THE EXCAVATION AREA ADJACENT TO THE BUILDING EXISTING WALL.