

STANDARD PLAN LEGEND **PUBLIC AGENCIES AND UTILITIES** LEELANAU COUNTY ROAD COMMISSION **DESCRIPTION EXISTING PROPOSED** Manager: Brendan Mullane Address: 10550 E. Eckerle Rd., _____ 605 _____ GROUND CONTOUR Suttons Bay, MI 49682 613.2 SPOT ELEVATION 613.50 231-271-3993 Telephone: CONTOUR FROM USGS TOPOGRAPHIC MAP LEELANAU CONSERVATION DISTRICT (SOIL EROSION & SEDIMENTATION CONTROL) 613.50 Steve Christensen Supervisor: TOP OF CURB ELEVATION 613.00 PAVEMENT (OR GUTTER FLOW LINE) ELEVATION Address: 8527 E. Government Center Dr., Ste. 205 Suttons Bay, MI 49682 \iff DIRECTION OF SURFACE FLOW 231-256-9783 Telephone: DRAINAGE HIGH POINT **LELAND TOWNSHIP SEWER** DRAINAGE LOW POINT Administrator: Steve Patmore Front = **WATER MAIN** P.O. Box 238 Address: Lake Leelanau, MI 49653 SANITARY FORCE MAIN 231-866-0799 Telephone: STORM SEWER **LELAND TOWNSHIP (ZONING)** Zoning Admin.: Tim Cypher Address: PO Box 226, Lake Leelanau, MI 49653 OVERHEAD ELECTRIC 231-360-2557 Telephone: PROPERTY LINE CHERRYLAND ELECTRIC COOPERATIVE (ELEC.) Frank Seipker Engineer: 5930 US-31 S., Traverse City, MI 49684 Address: EDGE OF WETLAND 231-486-9220 Telephone: **EDGE OF WATER** C/L OR DRAINAGE DITCH OR WATER LINE **CONSUMERS ENERGY (ELEC.)** Chuck Walkonis SILT FENCE Engineer: 821 Hastings St., Traverse City, MI 49686 Address: DETENTION BASIN BERM 231-929-6228 Telephone: MANHOLE (MH) CATCH BASIN (CB) DTE ENERGY (GAS) Engineer: Justin Ames CLEAN OUT (CO) Address: 700 Hammond Rd., Suite 2, Traverse City, MI 49686 RISER Telephone: 231-932-2829 GATE VALVE AT&T (TELEPHONE) FIRE HYDRANT ASSEMBLY Jeff Shuster Manager: CURB STOP & BOX 514 E. Mitchell St., Petoskey, MI 49770 Address: POLE, POWER OR ELECTRIC Telephone: 231-510-1381 LIGHT POLE **CHARTER COMMUNICATIONS (T.V.)** SIGN Contact: Devon Newman BENCH MARK (BM) Address: 701 S. Airport Rd., Traverse City, MI 49686 U/G UTILITY SIGN 231-932-8130 **GUY ANCHOR** 6 **POLICE AGENCIES** SOIL EROSION CONTROL MEASURE (MICHIGAN UNIFIED KEYING SYSTEM) **EMERGENCIES:** 911 P=PERMANENT T=TEMPORARY 231-946-4646 Michigan State Police: IRON FOUND / IRON SET Leelanau County Sheriff: 231-256-8800 CONCRETE MONUMENT FIRE DEPARTMENTS GOVERNMENT CORNER **EMERGENCIES:** 911 NAIL FOUND / NAIL SET Leland Twp. Fire & Rescue 231-256-7760 RECORD / MEASURED

PROJECT DATA:

William and Main LLC Owner: Address: 7270 Thornapple River Drive, Suite B Ada, MI 49301

SITE DATA:

211 N. Main St. Location: Leland, MI 49654 Tax ID: 45-009-750-210-00 10,000 s.f. ± Lot Area:

Zoning District: C-1 Village Commercial

SETBACKS:

5' or 10' on Corner adjacent to Res. Dist. 5' or 25' adjacent to Res. Dist. Rear

PARCEL DESCRIPTION:

Lots 10 and 11, Block 2, Village of Leland



PLAN INDEX

C1.0 COVER SHEET C2.0 EXISTING CONDITIONS & DEMOLITION PLAN C3.0 SOIL EROSION & STORM WATER CONTROL PLAN C4.0 SITE & DIMENSION PLAN C6.0 UTILITY PLAN L1.0 LANDSCAPE PLAN

211 N. MAIN ST. PROPOSED MIXED-USE BUILDING

FENCE

WOOD STAKE

Leland Township, Leelanau County, Michigan

PRELIMINARY

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BUILDING

MAIN LLC MIXED USE I SHEET

WILLIAN MAIN PROPC

22076 C1.0

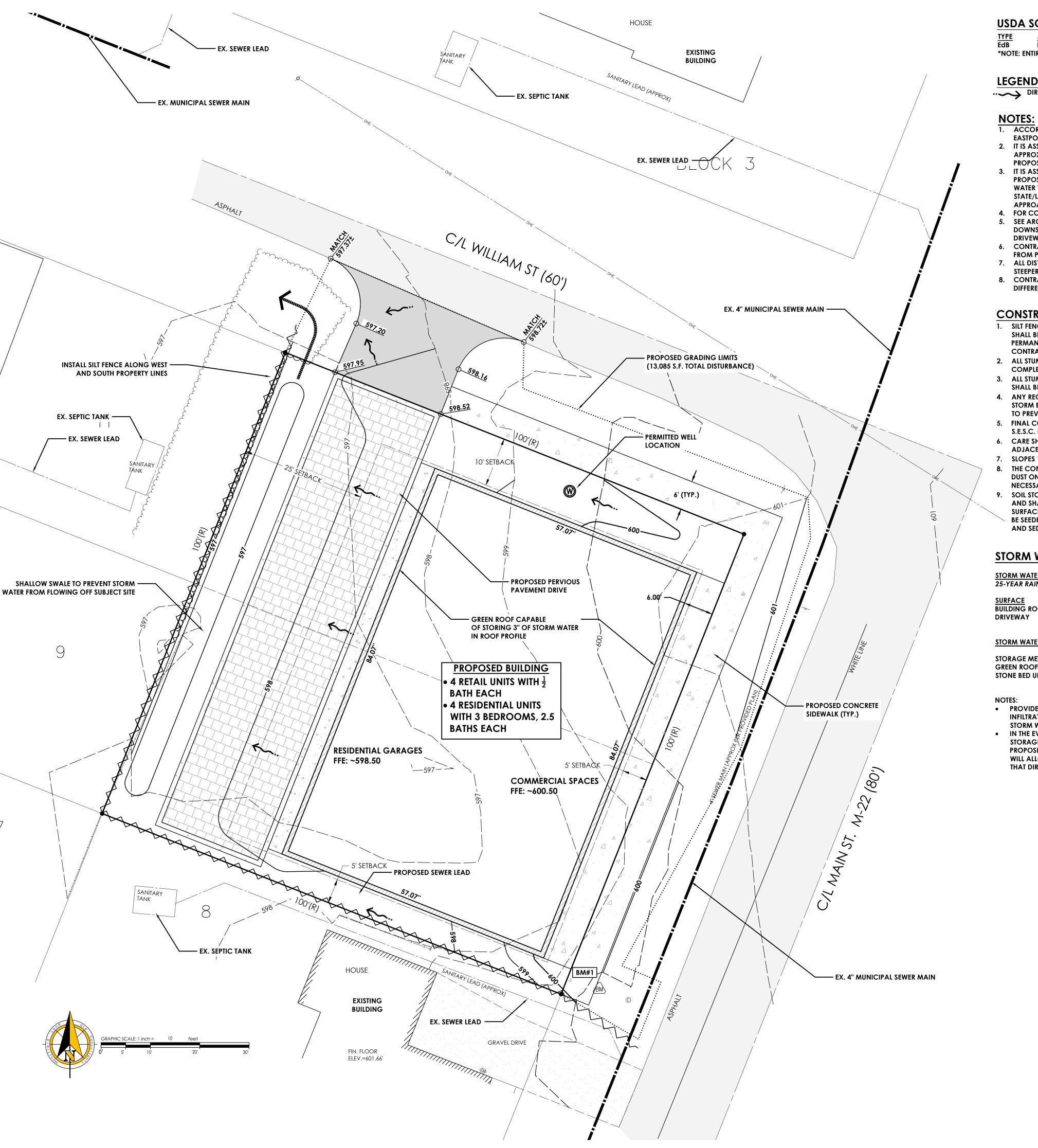


BUILDING N PLAN

PRELIMINARY

22076

C2.0



USDA SOILS DATA

MAP UNIT NAME

EASTPORT SAND, 0-6% SLOPES *NOTE: ENTIRE SITE CONSISTS OF ONE SOIL TYPE

LEGEND

DIRECTION OF SURFACE STORM WATER FLOW

- 1. ACCORDING TO USDA/NRCS SOIL MAPS, SITE SOILS ARE ENTIRELY
- EASTPORT SANDS AND ARE HIGHLY PERMEABLE. 2. IT IS ASSUMED THAT A GREEN ROOF SYSTEM, CAPABLE OF STORING APPROXIMATELY 3" OF STORM WATER IS TO BE INSTALLED ON THE PROPOSED BUILDING.
- 3. IT IS ASSUMED THAT PERMEABLE PAVERS ARE TO BE USED FOR THE PROPOSED DRIVE, PREVENTING SURFACE RUNOFF AND ALLOWING STORM WATER TO INFILTRATE THROUGH THE PROPOSED DRIVE. VERIFICATION THAT STATE/LOCAL WELL ISOLATION ZONE STANDARDS ALLOW FOR THIS APPROACH IS REQUIRED.
- 4. FOR COMPLETE BUILDING DIMENSIONS, SEE ARCHITECTURAL PLANS.
- SEE ARCHITECTURAL PLANS FOR PROPOSED ROOF GUTTERS. ALL GUTTER DOWNSPOUTS SHALL DISCHARGE ONTO PROPOSED PERMEABLE PAVER
- 6. CONTRACTOR RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE AWAY FROM PROPOSED STRUCTURE. 7. ALL DISTURBED SOILS TO BE RESTORED USING SEED AND MULCH. SLOPES
- STEEPER THAN 1:3 TO BE RESTORED WITH MULCH BLANKET. 8. CONTRACTOR RESPONSIBLE FOR VERIFYING FINISH FLOOR ELEVATION
- DIFFERENCES BETWEEN GARAGE AND FIRST FLOOR.

CONSTRUCTION NOTES:

- 1. SILT FENCE SHALL BE INSTALLED BEFORE THE CONSTRUCTION BEGINS AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT DURATION UNTIL PERMANENT VEGETATION IS ESTABLISHED AND THE SITE IS STABILIZED. THE CONTRACTOR MUST REMOVE THE SILT FENCE UPON COMPLETION.
- 2. ALL STUMPS AND UNDERGROUND ORGANIC MATERIAL SHALL BE COMPLETELY REMOVED WITH AN EXCAVATOR AND HAULED OFF THE SITE 3. ALL STUMPS, LOGS AND CHIPS SHALL BE HAULED OFF THE SITE, NOTHING
- SHALL BE BURIED ON SITE. 4. ANY REQUIRED STOCKPILES SHALL BE LOCATED INTERNALLY, AWAY FROM STORM BASINS AND WETLANDS. DORMANT STOCKPILES SHALL BE SEEDED
- TO PREVENT SEDIMENTATION AND AIRBORNE EROSION. 5. FINAL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE APPROVED
- S.E.S.C. PERMIT FROM THE COUNTY. 6. CARE SHOULD BE TAKEN TO PREVENT MATERIAL MOVEMENT INTO
- ADJACENT STORM BASINS, ROADWAYS OR WETLANDS. 7. SLOPES 1:3 OR STEEPER SHALL BE RESTORED WITH MULCH BLANKET.
- 8. THE CONTRACTOR SHALL USE WATER OR DUST PALLIATIVE TO CONTROL DUST ON AND ADJACENT TO THE PROJECT SITE BY REGULAR SWEEPING, AS **NECESSARY UNTIL THE SITE IS PERMANENTLY STABILIZED.**
- SOIL STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL BE LOCATED WHERE THEY ARE NOT SUSCEPTIBLE TO HIGH SURFACE RUNOFF OR AIRBORNE EROSION. LONG-TERM STOCKPILES SHALL BE SEEDED WHEN NOT IN USE IN ORDER TO PREVENT AIRBORNE EROSION AND SEDIMENTATION.

STORM WATER CALCULATIONS:

25-YEAR RAIN EVENT OVER IMPERVIOUS SURFACES (3.89")

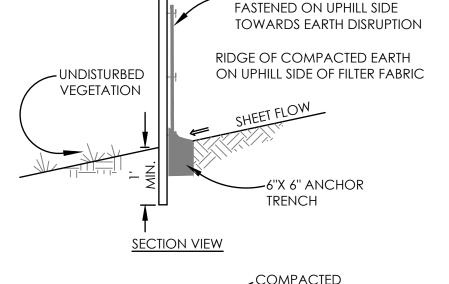
REQUIRED STORAGE VOLUME 1,555.35 C.F. AREA 4,978 S.F. **BUILDING ROOF** 735.86 C.F. 2,291.21 C.F. TOTAL 2,270 S.F. DRIVEWAY

STORM WATER STORAGE VOLUME PROVIDED:

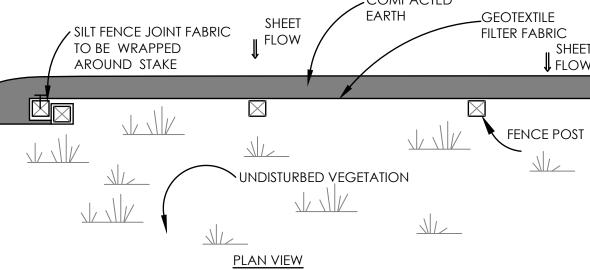
STORAGE METHOD	AREA	PROVIDED STORAGE VOLU
GREEN ROOF	4,978 S.F.	1,599.33 C.F.
STONE BED UNDER DRIVE	2,125 S.F.	1,062.50 C.F.
		2,661.83 C.F. TOTAL

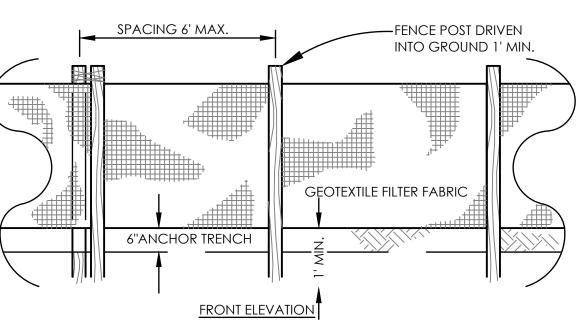
- PROVIDED STORM WATER STORAGE VOLUMES DO NOT ACCOUNT FOR INFILTRATION. SITE SOILS ARE HIGHLY PERMEABLE AND WILL ALLOW FOR STORM WATER INFILTRATION.
- IN THE EVENT THAT GREEN ROOF AND UNDER PAVEMENT STORM WATER STORAGE AREAS OVERFLOW, STORM WATER WILL SHEET FLOW TO THE PROPOSED SHALLOW SWALE ON THE WEST SIDE OF THE SITE. THIS SWALE WILL ALLOW FOR ADDITIONAL INFILTRATION AND HAVE AN OVERFLOW THAT DIRECTS STORM WATER TO THE PUBLIC ROAD DITCH AS AN OUTLET.

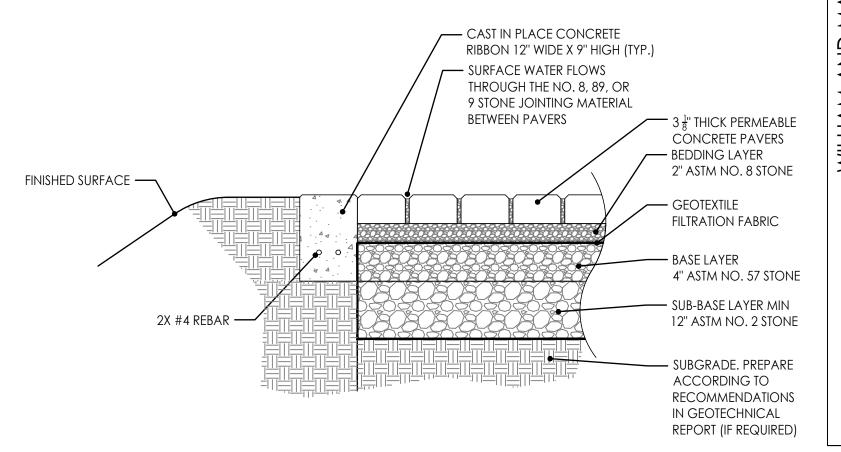
BM#1: ELEV = 600.85 (NAVD 88) **18" TWIN LOCUST TREE** N 9909.9100 E 9962.8630



_GEOTEXTILE FILTER FABRIC







PERMEABLE PAVERS DETAIL

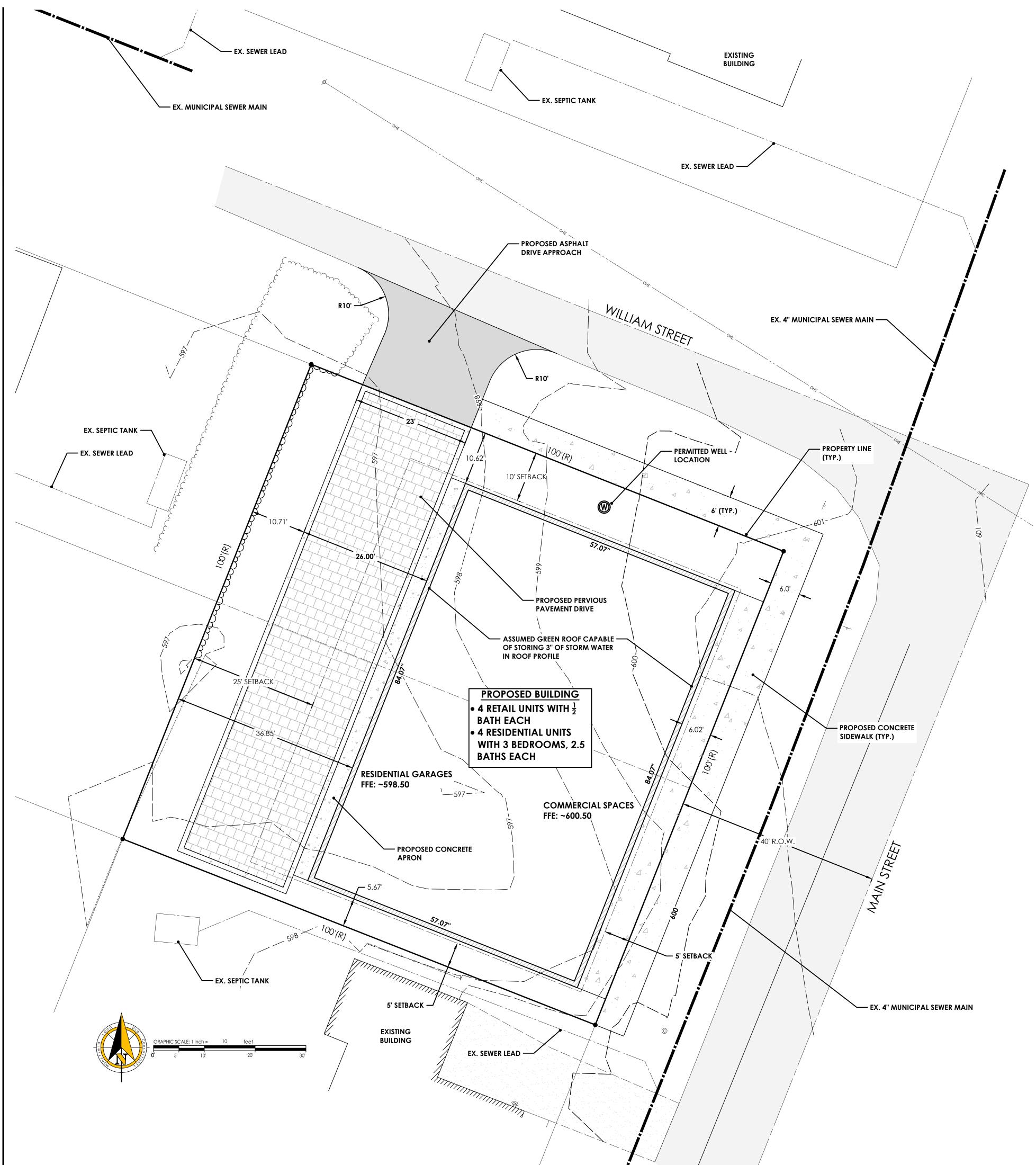
- **DESIGN NOTES:**
- I. DEPTH OF SUBBASE SUBJECT TO SITE SPECIFIC HYDRAULIC AND STRUCTURAL REQUIREMENTS. 2. PERMEABLE PAVERS USED IN PARKING AREAS SHALL BE INSTALLED WITH CONCRETE RIBBON, UNLESS OTHERWISE NOTED.
- 3. WHERE THE FILTRATION GEOTEXTILE IS USED, VERIFY WITH THE MANUFACTURER THAT THE MATERIAL IS NOT SUBJECT TO CLOGGING AND MEETS REQUIREMENTS OF AASHTO M-288.
- 4. ASTM NO. 2 STONE MAY BE SUBSTITUTED WITH NO. 3 OR NO. 4 STONE.

PRELIMINARY

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BUILDING ROL PLAN

C3.0



PROJECT DATA:

Owner: William and Main LLC

7270 Thornapple River Drive, Suite B

Ada, MI 49301

SITE DATA:

Address:

Location: 211 N. Main St. Leland, MI 49654

45-009-750-210-00 Tax ID: Lot Area: 10,000 s.f. ±

Zoning District: C-1 Village Commercial

SETBACKS:

5' or 10' on Corner adjacent to Res. Dist.

5' or 25' adjacent to Res. Dist.

PARCEL DESCRIPTION:

Lots 10 and 11, Block 2, Village of Leland

- 1. NO FREE-STANDING SIGNS PROPOSED. BUILDING MOUNTED SIGNS FOR INDIVIDUAL FIRST-FLOOR COMMERCIAL TENANTS TO BE PERMITTED SEPARATELY PRIOR TO INSTALLATION AND TO COMPLY WITH ALL ORDINANCE STANDARDS.
- 2. ALL EXTERIOR LIGHTING TO BE FULL-CUTOFF, DARK SKY COMPLIANT, AND COMPLY WITH
- TOWNSHIP ORDINANCE STANDARDS.
- 3. ALL REFUSE TO BE KEPT IN RESIDENTIAL-SCALE TRASH TOTES WITHIN GARAGES OR INSIDE BUILDING AND TO BE SET OUT AT CURB ON TRASH COLLECTION DAYS. NO EXTERIOR DUMPSTER PROPOSED.
- 4. EXISTING SITE IS VACANT, CLEARED LOT. NO EXISTING BODIES OF WATER, WETLANDS, OR OTHER SIGNIFICANT NATURAL FEATURES ON OR ADJACENT TO SUBJECT SITE.

PROJECT DESCRIPTION:

- PROPOSED PROJECT IS MIXED-USE IN THE C-1 ZONING DISTRICT. PROPOSED USES ARE RETAIL
- (ALLOWED BY RIGHT) AND RESIDENTIAL (ALLOWED BY RIGHT).
- PROPOSED THREE-STORY MIXED-USE BUILDING: APPX. 4,800 S.F. FOOTPRINT.
- PROPOSED BUILDING HEIGHT: 33'-1 \(\frac{3}{4}\)"
- FIRST FLOOR: 4 RETAIL UNITS WITH $\frac{1}{2}$ BATH EACH, RESIDENTIAL GARAGES.
- SECOND AND THIRD FLOORS: 4 RESIDENTIAL UNITS WITH 3 BEDROOMS, 2.5 BATHS EACH. VEHICULAR ACCESS OFF OF WILLIAM STREET. RESIDENTIAL PARKING PROVIDED IN FIRST FLOOR GARAGES - 2 STALL GARAGES PROVIDED FOR EACH RESIDENTIAL UNIT. ON-SITE RETAIL PARKING
- NOT REQUIRED IN C-1 ZONED LOCATION PER ZONING ADMINISTRATOR. • TO BE SERVED BY PRIVATE, ON-SITE WELL AND CONNECTION TO TOWNSHIP SEWER.
- ESTIMATED EMPLOYEES PER SHIFT PER RETAIL UNIT: 3

EXPECTED COMPLETION SCHEDULE:

- PROJECT TO BE CONSTRUCTED IN ONE PHASE.
- ESTIMATED CONSTRUCTION START: FALL, 2023 ESTIMATED CONSTRUCTION COMPLETION: FALL, 2024

STATEMENT OF PERMITS REQUIRED:

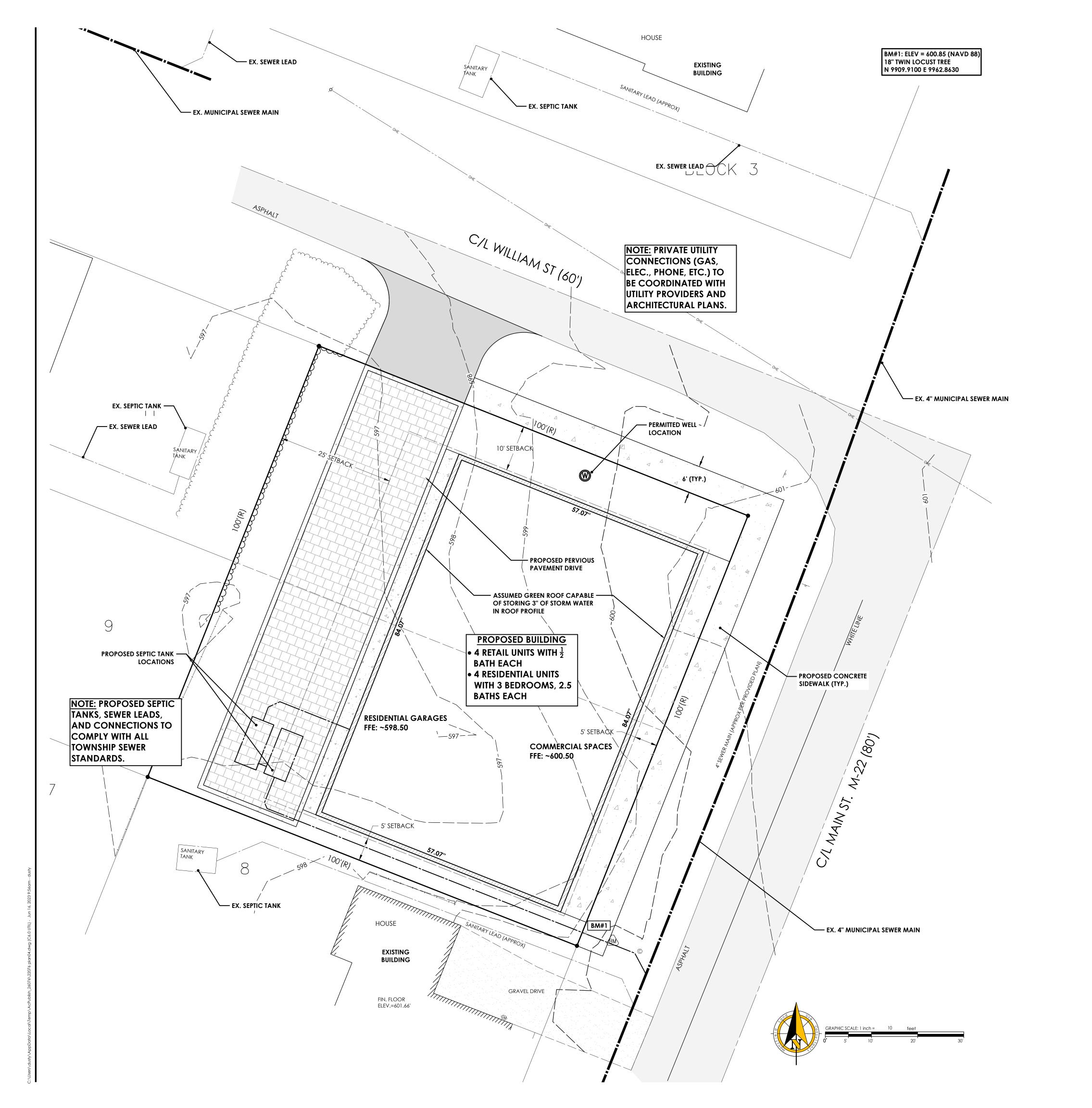
- AGENCY PERMITS REQUIRED FOR PROJECT CONSTRUCTION: • LEELANAU COUNTY SOIL EROSION/STORM WATER CONTROL PERMIT (COUNTY CONSERVATION DISTRICT/DRAIN COMMISSIONER)
- LEELANAU COUNTY DRIVEWAY PERMIT (COUNTY ROAD COMMISSION)
- TOWNSHIP SEWER CONNECTION PERMIT (TOWNSHIP SEWER ADMINISTRATOR)
- MDOT R.O.W. PERMIT FOR TREE PLANTING AND SIDEWALK CONSTRUCTION (MDOT) LEELANAU COUNTY CONSTRUCTION PERMIT (COUNTY BUILDING DEPARTMENT)

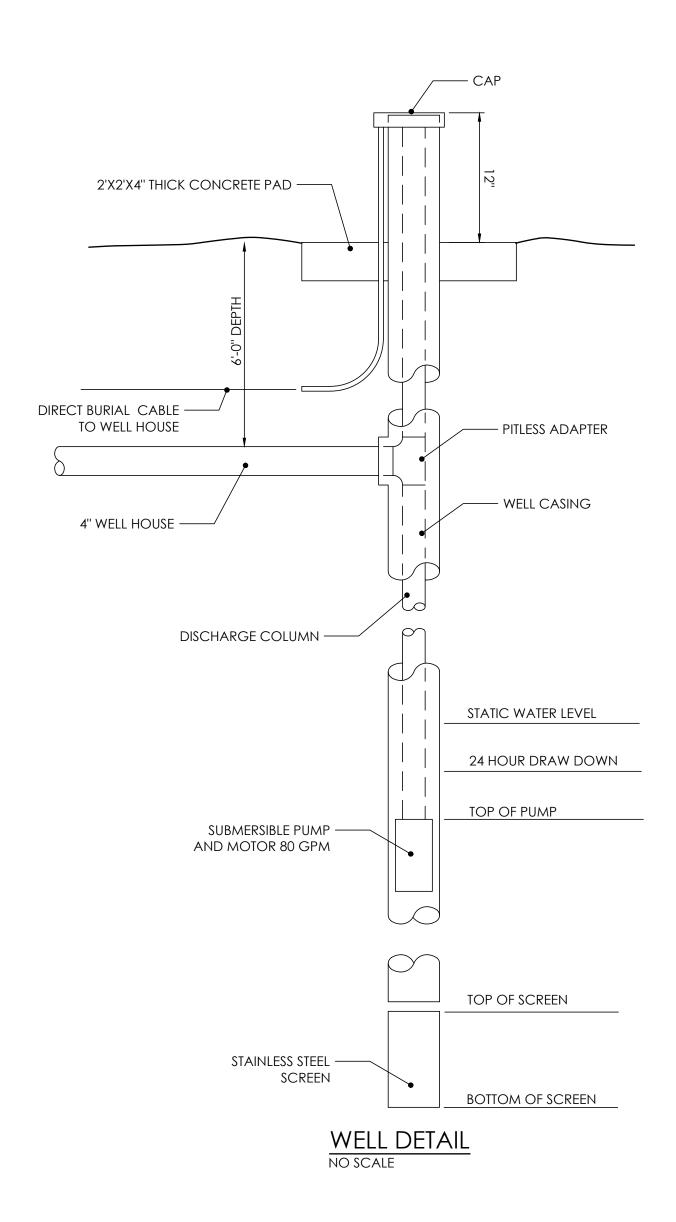
BUILDING USE

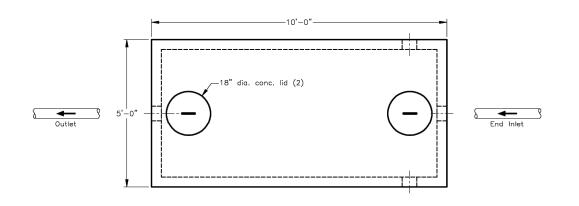
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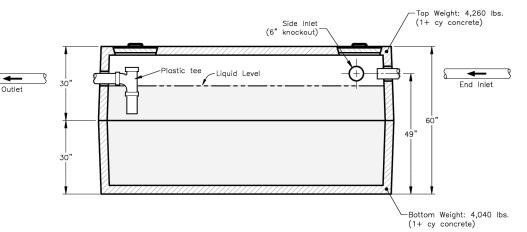
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DESIGN NOTES:

- 1. INSTALL POLYLOK PL-625 EFFLUENT FILTER (OR EQUAL) AT FINAL TANK. SIZE FOR DAILY FLOW.
- INSTALL WATER TIGHT ACCESS RISERS ON ALL SEPTIC TANKS
- INSTALL AN INLET "T" FOR THE INITIAL, PRIMARY SEPTIC TANK FOR VELOCITY REDUCTION. 4. TANKS MUST HAVE AN H-20 LOAD RATING IF LOCATED WITHIN PARKING OR DRIVING AREAS.

MAIN PROPOS

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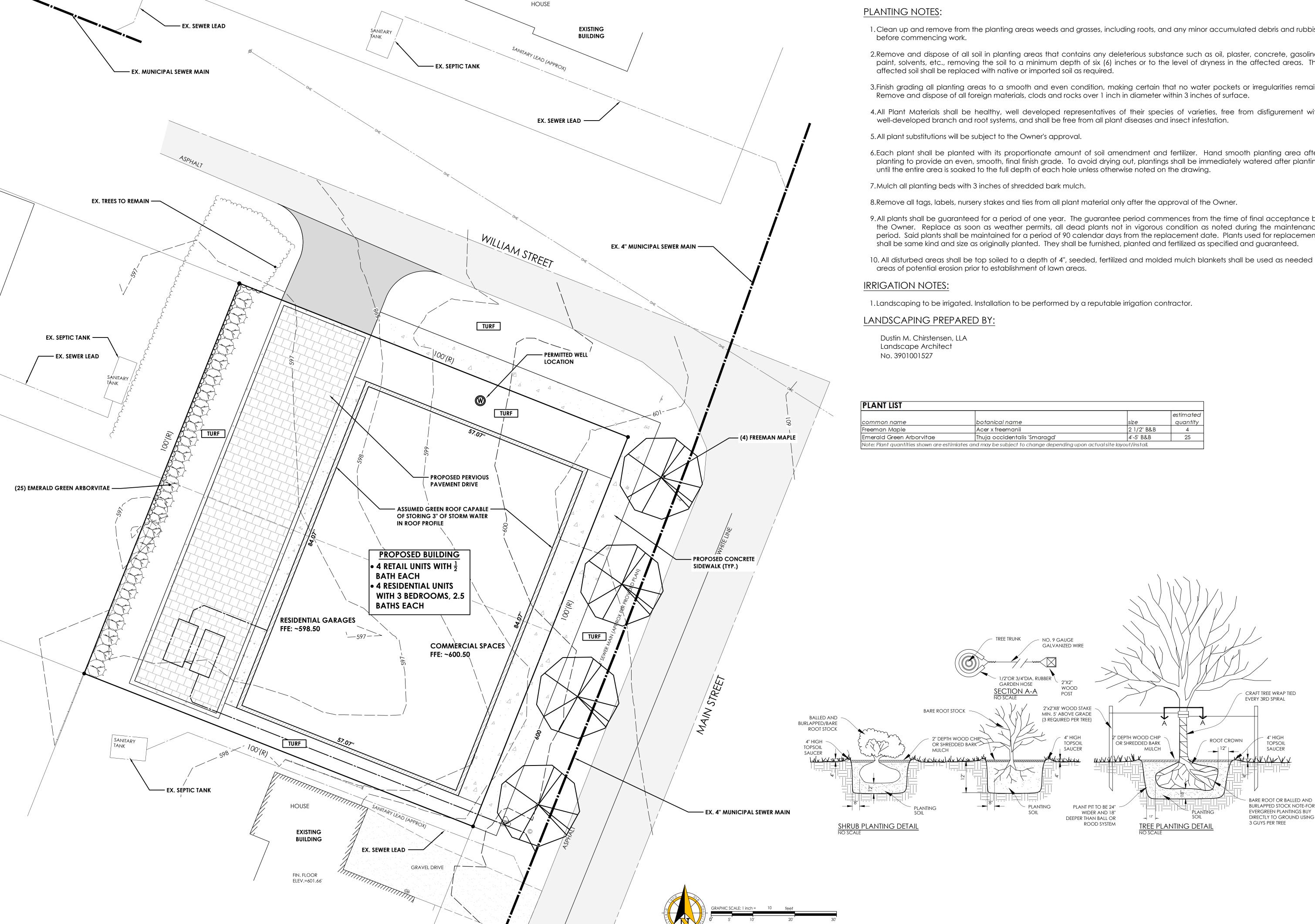
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BUILDING

USE

Consultants

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- 1. Clean up and remove from the planting areas weeds and grasses, including roots, and any minor accumulated debris and rubbish
- 2. Remove and dispose of all soil in planting areas that contains any deleterious substance such as oil, plaster, concrete, gasoline, paint, solvents, etc., removing the soil to a minimum depth of six (6) inches or to the level of dryness in the affected areas. The
- 3. Finish grading all planting areas to a smooth and even condition, making certain that no water pockets or irregularities remain.
- 4.All Plant Materials shall be healthy, well developed representatives of their species of varieties, free from disfigurement with
- 6.Each plant shall be planted with its proportionate amount of soil amendment and fertilizer. Hand smooth planting area after planting to provide an even, smooth, final finish grade. To avoid drying out, plantings shall be immediately watered after planting
- 9. All plants shall be guaranteed for a period of one year. The guarantee period commences from the time of final acceptance by the Owner. Replace as soon as weather permits, all dead plants not in vigorous condition as noted during the maintenance period. Said plants shall be maintained for a period of 90 calendar days from the replacement date. Plants used for replacements shall be same kind and size as originally planted. They shall be furnished, planted and fertilized as specified and guaranteed.
- 10. All disturbed areas shall be top soiled to a depth of 4", seeded, fertilized and molded mulch blankets shall be used as needed in

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