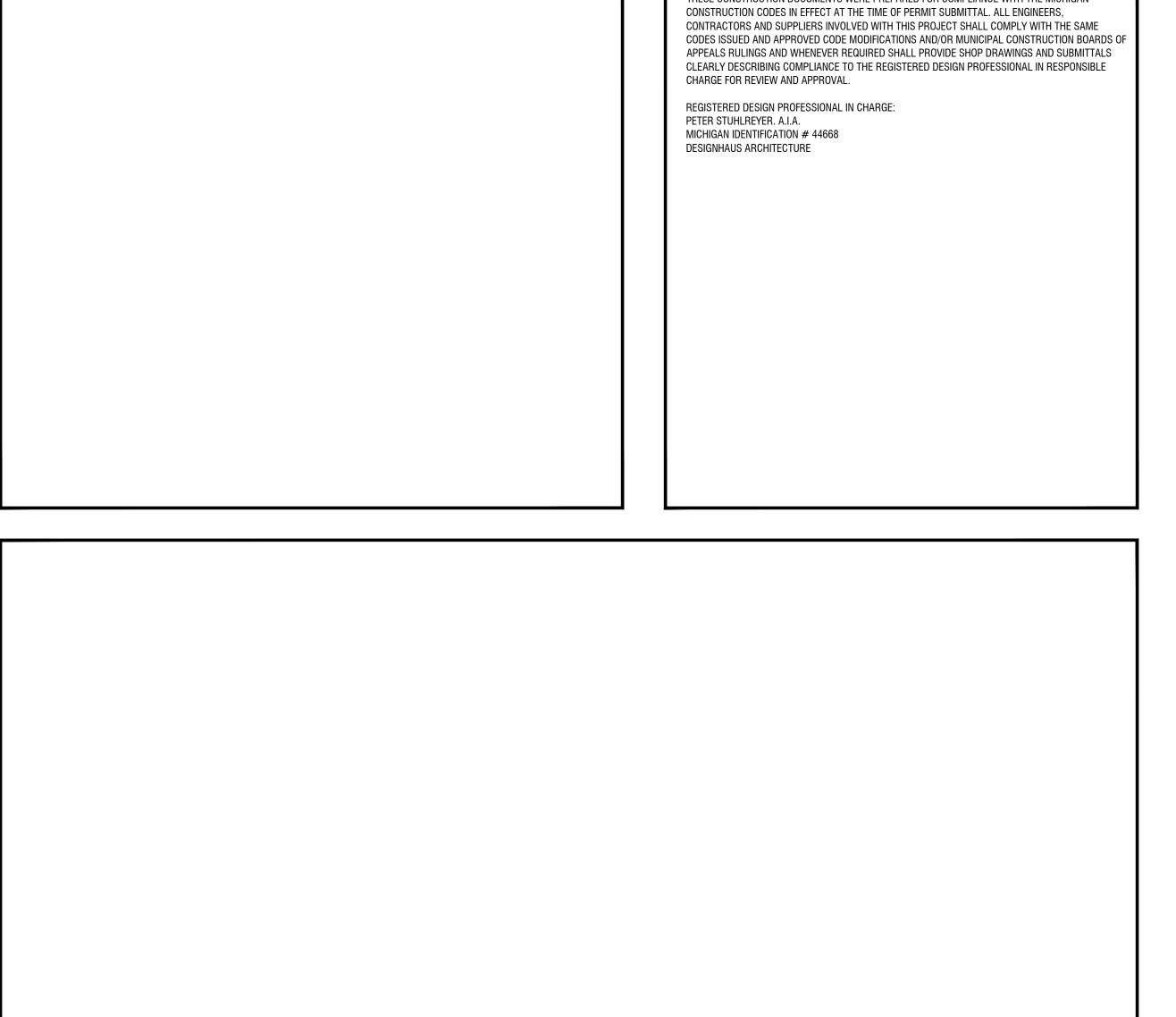
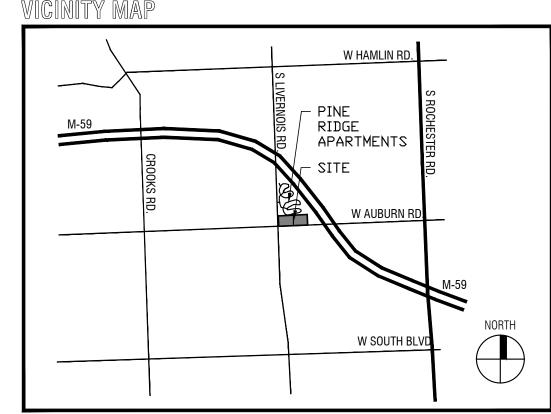


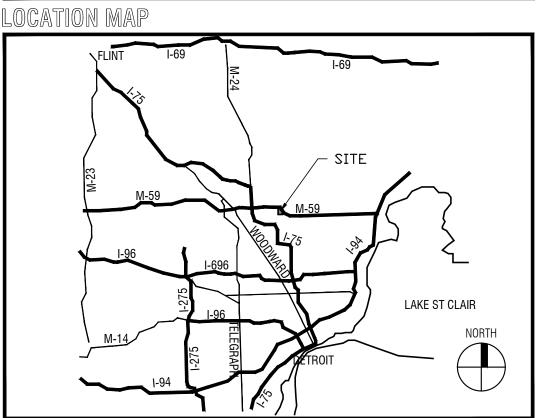
Rochester Hills, MI 48307 P.U.D. Review

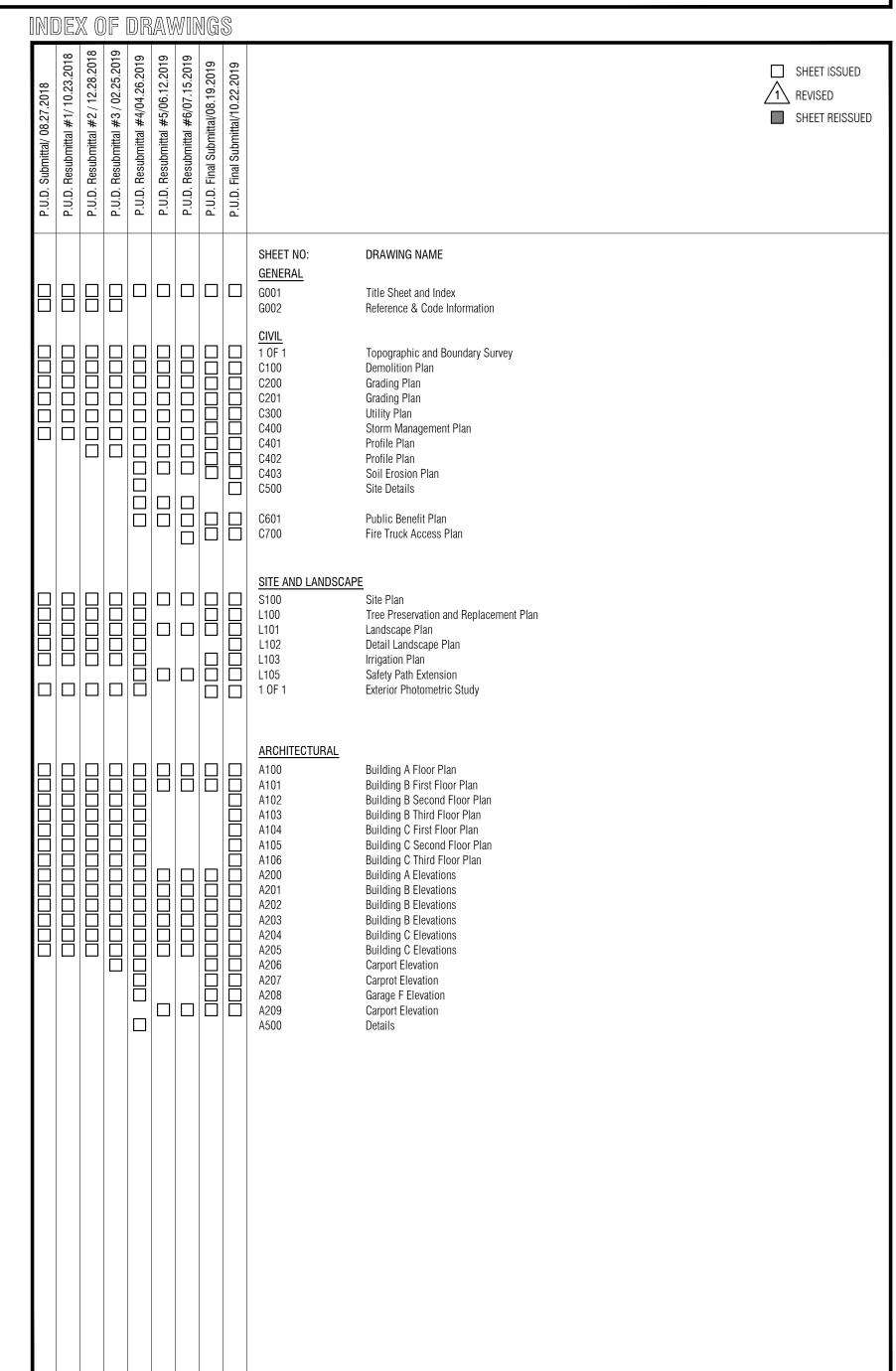


STATEMENT OF SELECTED DESIGN PROFESSIONAL

PROJECT TEAM	
OWNER OYK ENGINEERING AND CONSTRUCTION 30700 TELEGRAPH RD. SUITE 2665 BINGHAM FARMS, MI 48025 T: 248.656.7695 CONTACT: MR. FRED HADID	ARCHITECT DESIGNHAUS ARCHITECTURE 301 WALNUT BLVD. ROCHESTER, MI 48307 T: 248.601.4422 F: 248.453.5854 PROJECT MANAGER: JOE LATOZAS PROJECT ARCHITECT: PETER STUHLREYER, A.I.A
CIVIL ENGINEER  DESIGNHAUS PLLC 301 WALNUT BLVD. ROCHESTER, MI 48307 T: 248.601.4422 F: 248.453.5854	





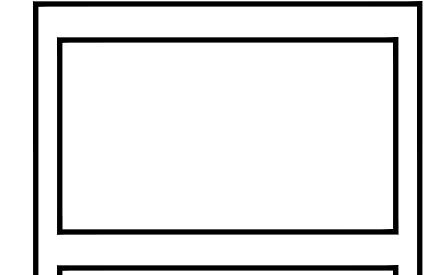


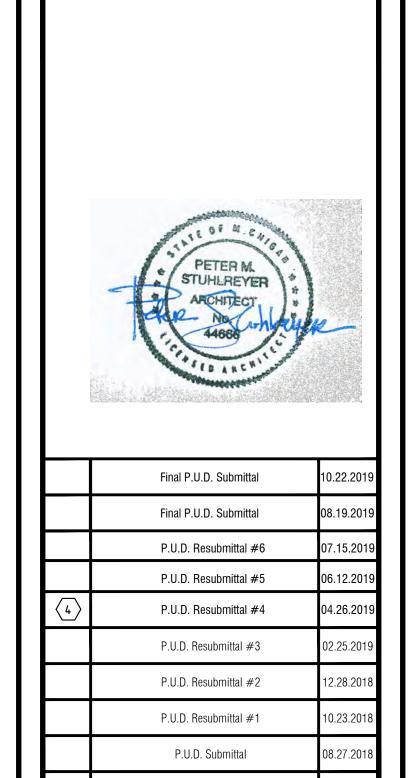


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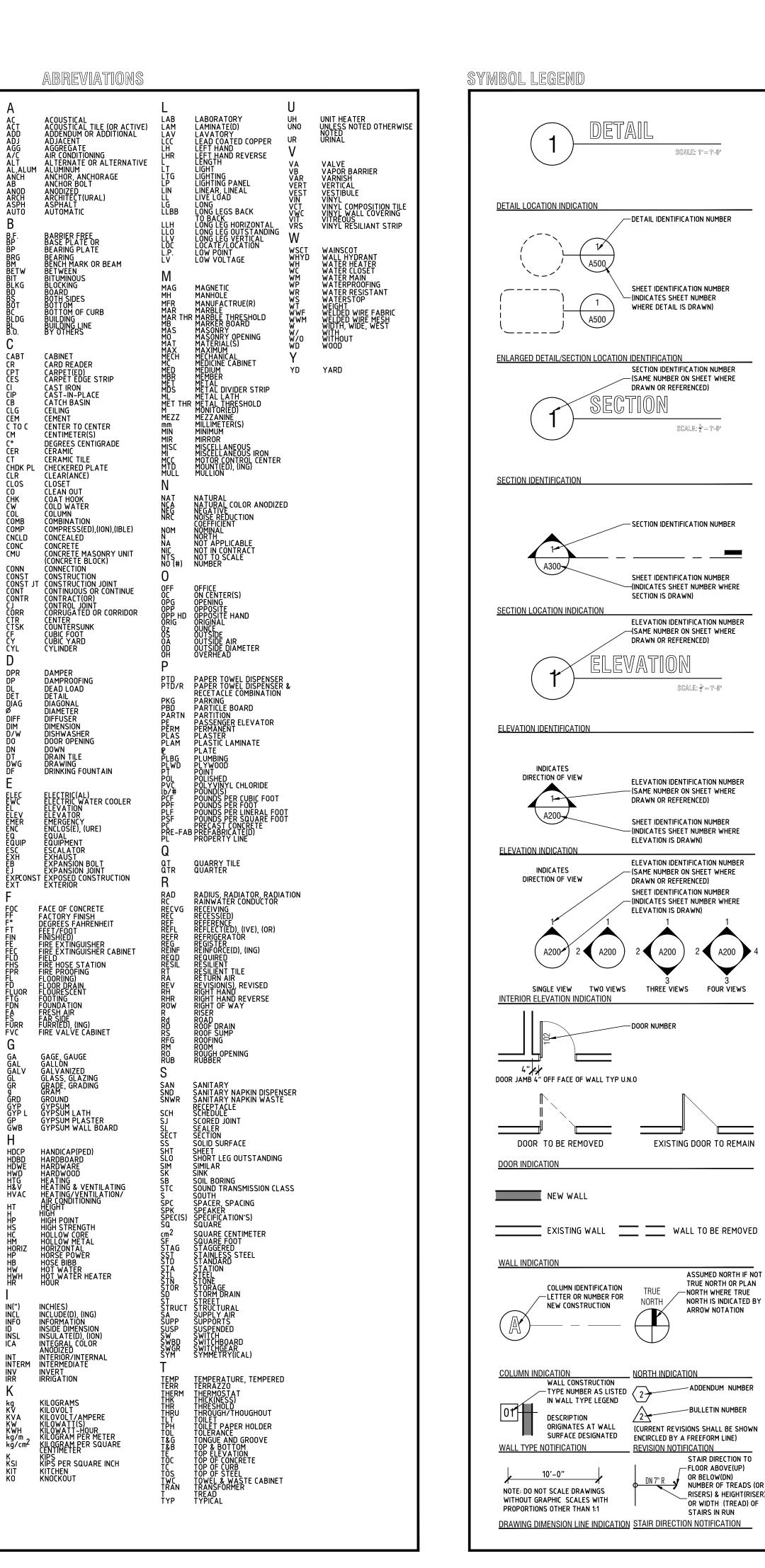
Revision/Issue

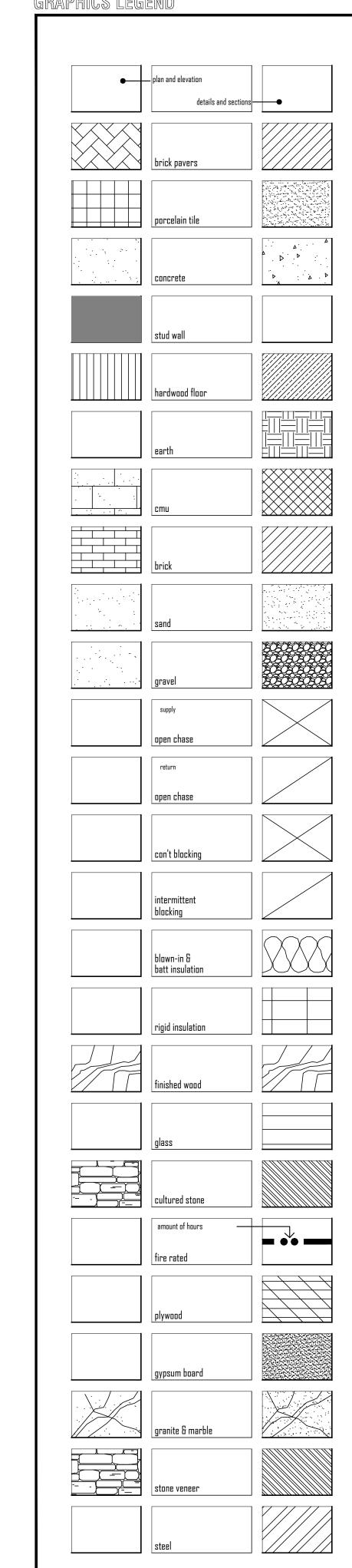
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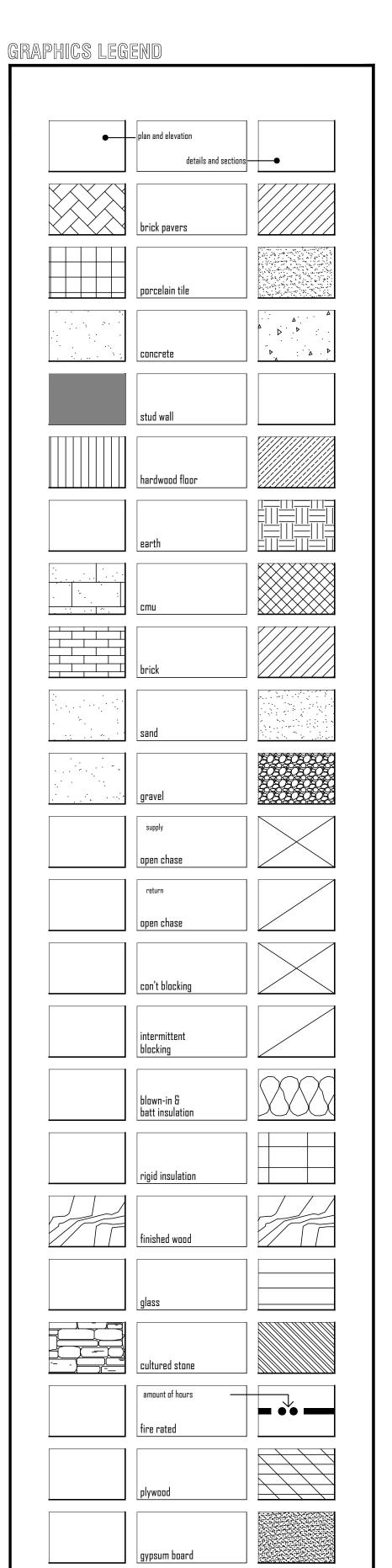
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Title Sheet and Index

G001







### GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, REGULATIONS AND LANDLORD'S REQUIREMENTS 2. DO NOT SCALE DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND JOB CONDITIONS 3. SHOULD ANY CONDITION ARISE WHERE THE INTENT OF THE DRAWINGS IS IN DOUBT, OR WHERE THERE APPEARS TO BE AN ERROR ON THE DRAWINGS OR A DISCREPANCY BETWEEN THE DRAWINGS

AND THE FILED CONDITIONS, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS POSSIBLE. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT INSTRUCTION FROM THE ARCHITECT, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECTS. THIS INCLUDES ERRORS IN THE SPECIFICATIONS AND NOTATIONAL ERRORS ON THE DRAWINGS WHERE DOUBTFUL OF INTERPRETATION.

4. IN THE CASE WHERE TWO OR MORE DETAILS APPLYING TO THE SAME PART OF THE WORK ARE IN CONFLICT, THE MOST RESTRICTIVE SHALL GOVERN UNLESS CLARIFIED OR OTHERWISE APPROVED BY

5. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL CAREFULLY EXAMINE THE CONDITIONS AFFECTING HIS WORK BEFORE PROCEEDING, AND SHALL REPORT TO THE ARCHITECT ANY CONDITION WHICH WOULD PREVENT THE PROPER AND LEGAL COMPLETION OF HIS WORK. NOT REPORTING ANY SUCH UNSUITABLE CONDITION WILL CONSTITUTE ACCEPTANCE OF ALL CONDITIONS BY THE CONTRACTOR AND/OR SUBCONTRACTOR.

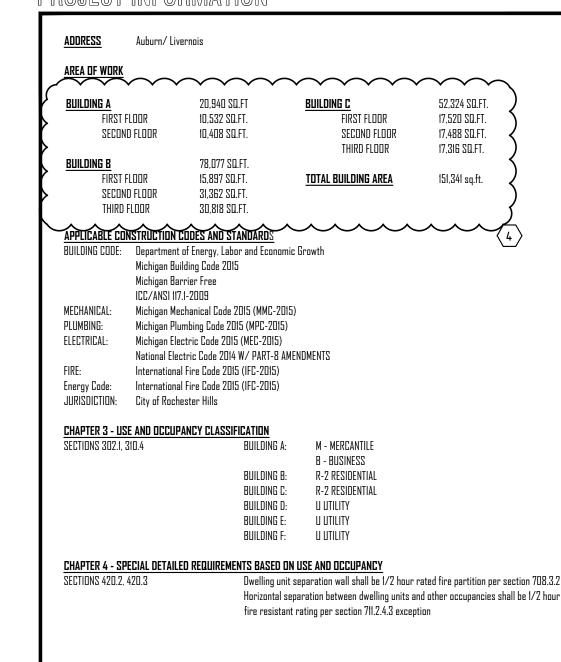
6. APPROVAL OF SHOP DRAWINGS MEANS APPROVAL OF THE GENERAL METHOD OF FABRICATION ONLY. DIMENSIONS AND QUANTITIES MAY NOT BE CHECKED, AND APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS UNLESS SPECIFICALLY INDICATED IN THE APPROVAL.

7. IF SPECIFICATIONS ARE PROVIDED, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. WHERE DRAWINGS AND SPECIFICATIONS CONFLICT. THE MOST RESTRICTIVE SHALL APPLY.

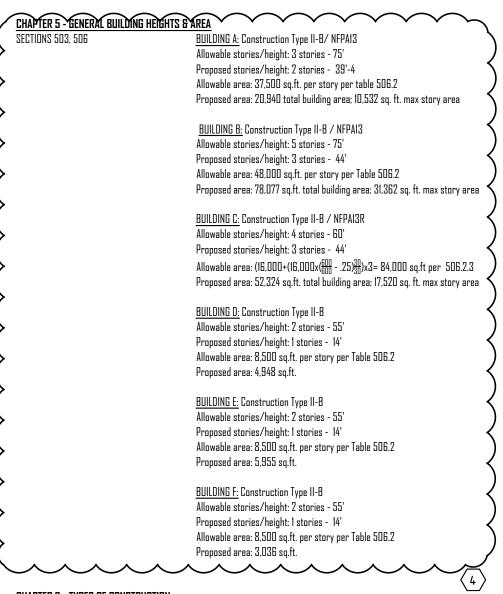
### ZONING SCHEDULE OF REGULATIONS

Regulation	Required for R-4	Provided	
Setbacks	Front: 25' Sides: 10' each/20' total Rear: 35' 100' from Residential	Front: A-35.0' / B 18.7' / C 17.6' Sides:73.5' / 150.1' Rear: 71.8' / 77.9' / 80.0'	
Building Height	Maximum: 2 stories/30'	35' (3 Stories w/ Lower Level)	
Coverage	Maximum: 30%	36,062 SF Total Footprint: 23.21%	
Density	No max. w/FB overlay	24.11 Units per Acre	

# PROJECT INFORMATION



## PROJECT INFORMATION



CHAPTER 6 - TYPES OF CONSTRUCTION SECTIONS 602, 602.5

ALL BUILDINGS TO BE TYPE II-B SPRINKLERED Structural Frame = 0 Bearing Walls (E&I) = 0

Nonbearing Walls Exterior = 0 Nonbearing Walls Interior = 0 Floor Construction = 0 Roof Construction = 0

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES 1 hour Fire-resistance Rating Required where < 4 stories 1 hour Fire-resistance Rating Provided

ASSEMBLY RATING DOOR RATING VISION PANEL SIZE GLAZING RATING SECTION 716 1 HOUR 60 MIN 100 SQ. IN. 1 HOUR (W-60)

SD<450

SECTION 720 Thermal & Sound Insulating Materials To meet ASTM E84 or UL 723 FS<25

CHAPTER 8 - INTERIOR FINISHES

Group: M-Mercantile Interior exit stairways and exit passageways Corridors and enclosure for exit access stairways Class C Rooms and enclosed spaces Interior exit stairways and exit passageways Class C Corridors and enclosure for exit access stairways Rooms and enclosed spaces

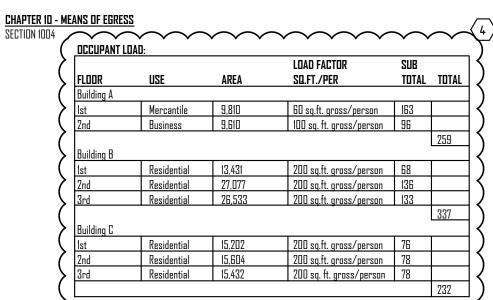
Class C

Group: R-2-Residential Interior exit stairways and exit passageways Corridors and enclosure for exit access stairways Rooms and enclosed spaces

CHAPTER 9 - FIRE PROTECTION SYSTEM

SECTION 1005

Building A: NFPA13 Automatic sprinkler to be provided Building B: NFPAI3 Automatic sprinkler to be provided Building C: NFPAI3R Automatic Sprinkler to be provided



USE GROUP: B-BUSINESS Egress width (per 1005.3.1) .3x105=31.5" (2) 44" wide stairways provided USE GROUP: R-2-RESIDENTIAL (Building B 2nd floor)

Egress width (per 1005.3.1) .3x136= 40.8" (3) 44" wide stairways provided USE GROUP: R-2-RESIDENTIAL (Building C 2nd floor) Egress width (per 1005.3.1) .3x78= 23.4" (2) 44" wide stairways provided

Reference & Code Information

G002

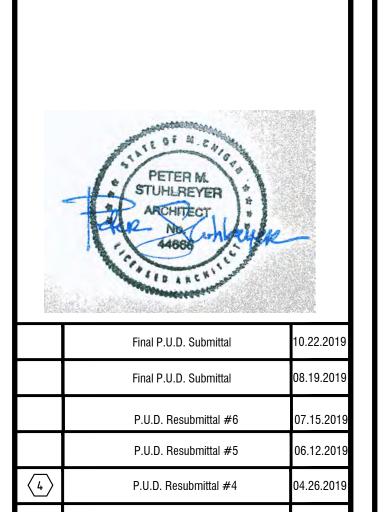
**ARCHITECTURE** 

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P.U.D. Resubmittal #3

P.U.D. Resubmittal #2

P.U.D. Resubmittal #1

P.U.D. Submittal

Revision/Issue

12.28.2018

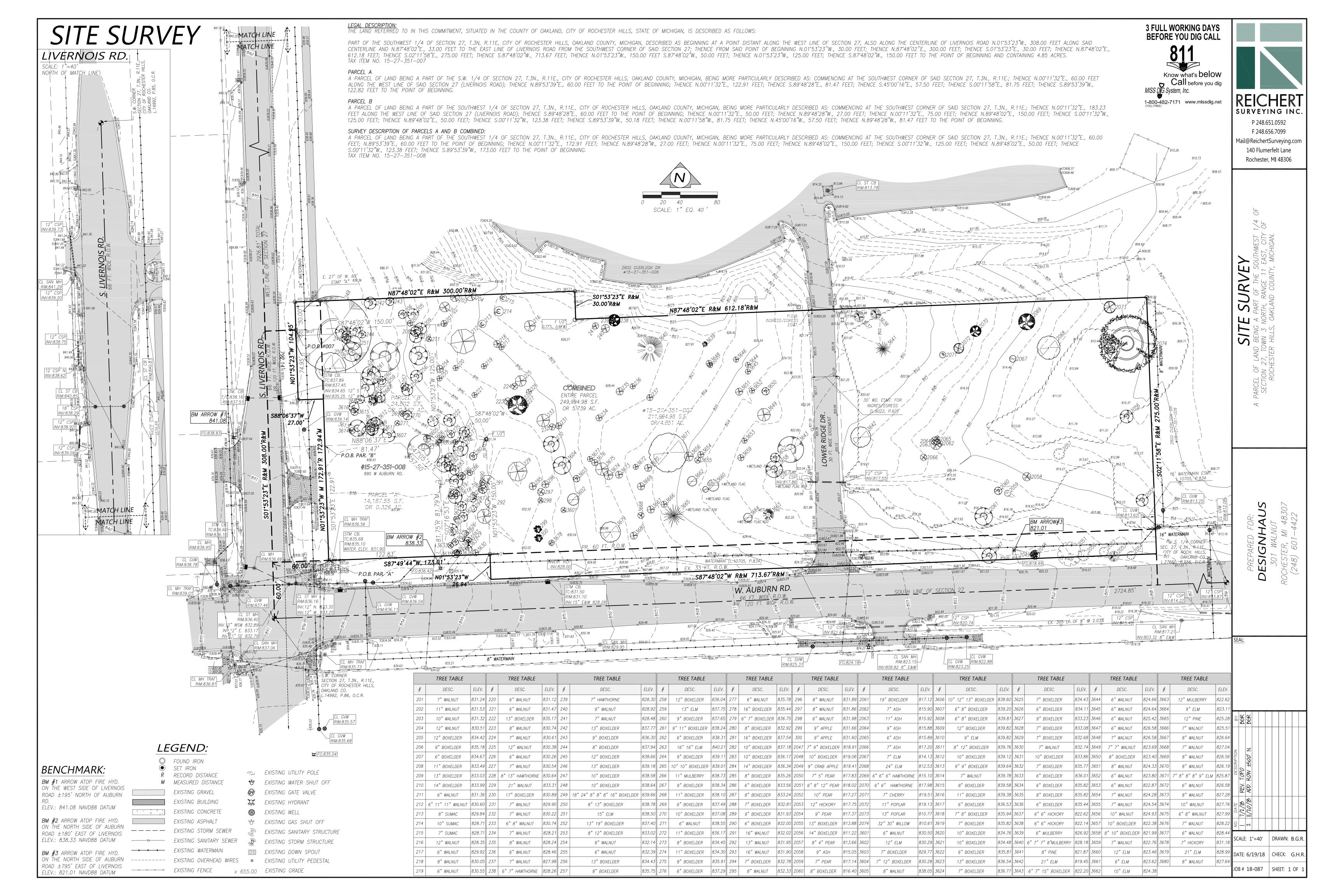
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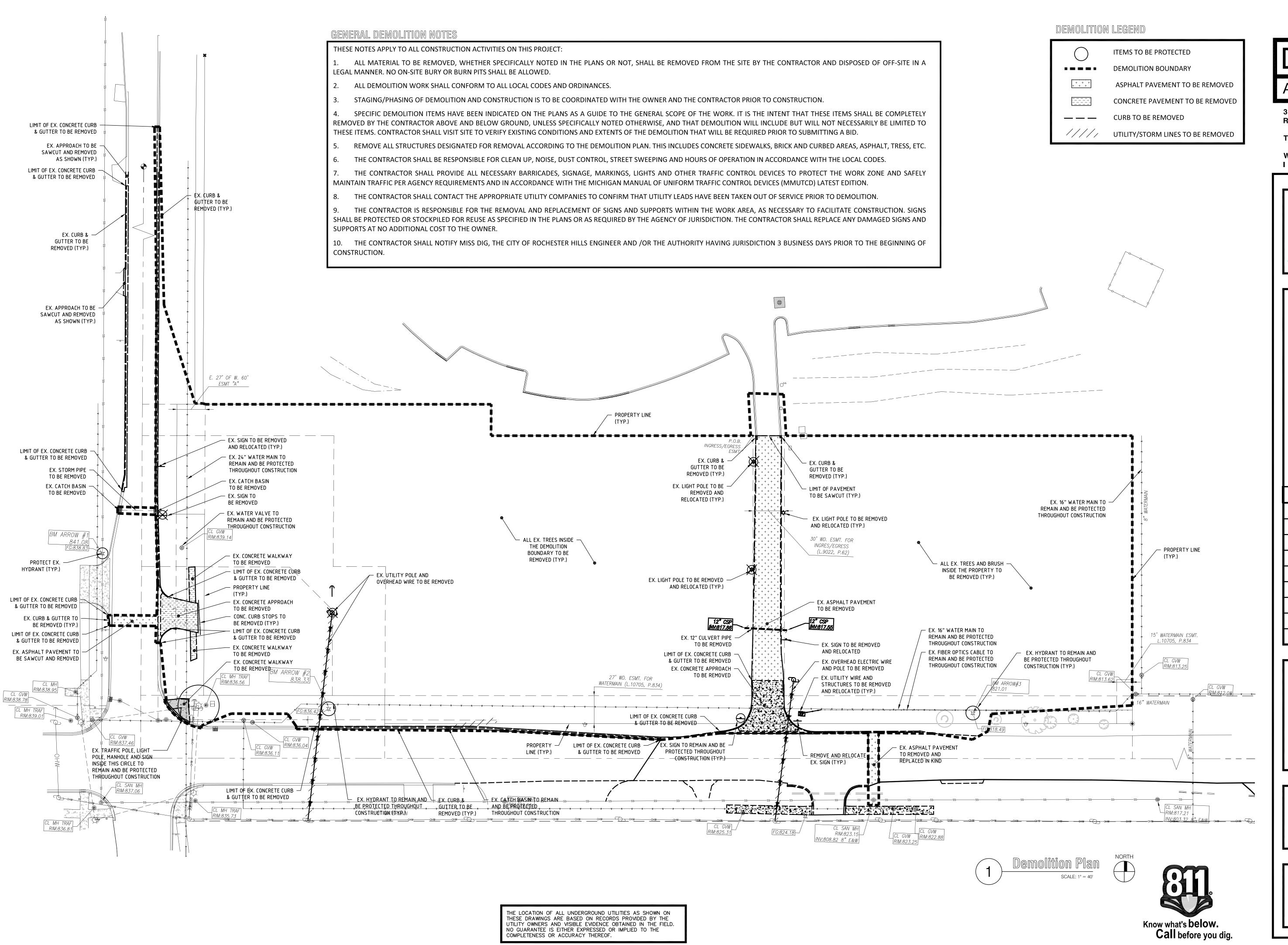
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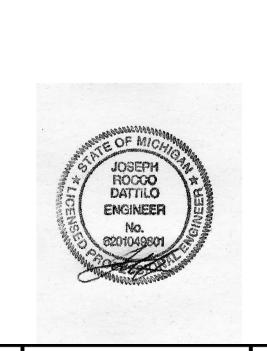
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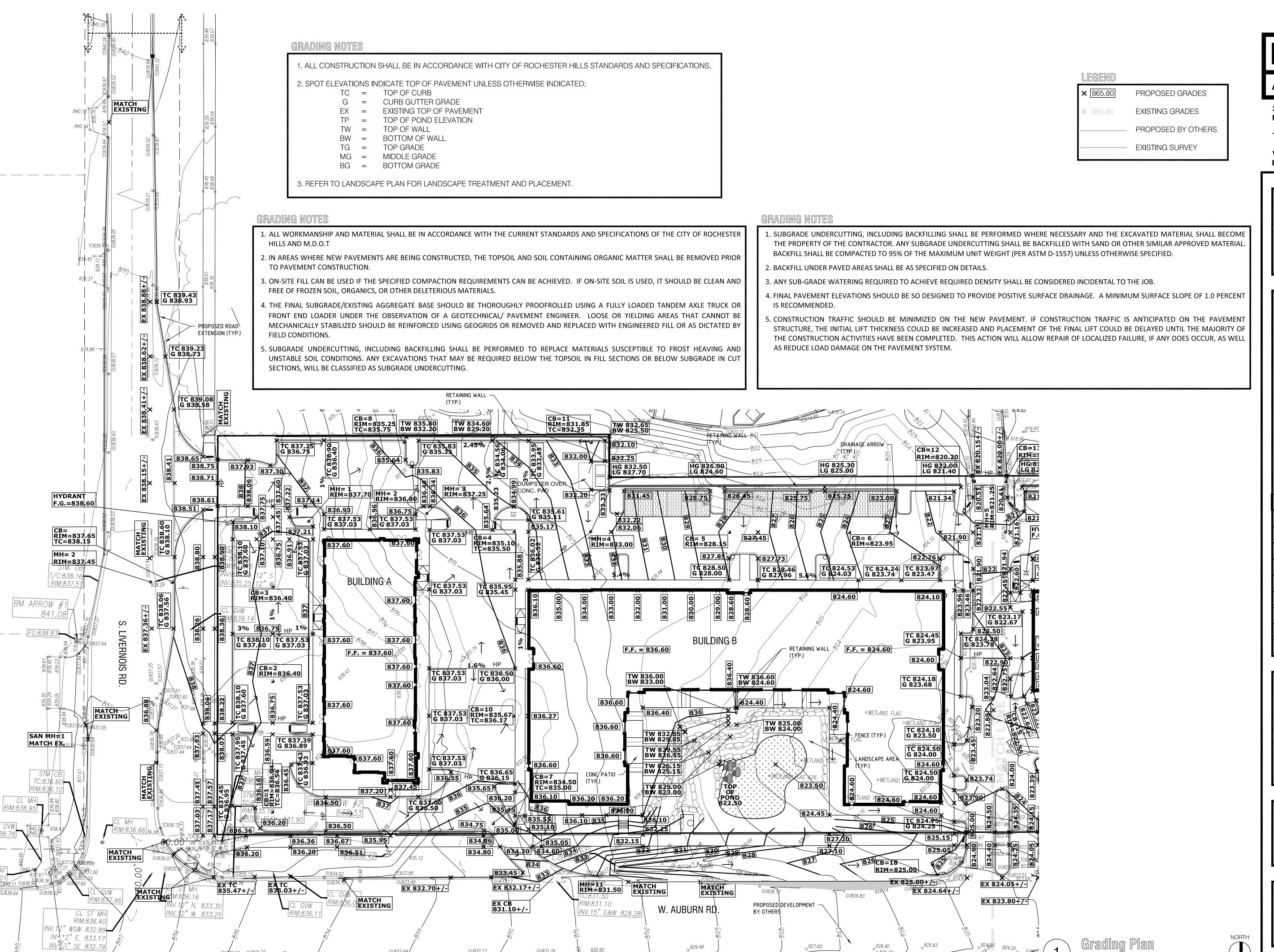
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**Rochester Hills Trio** 990 W. Auburn Rd Rochester Hills, MI 48307 P.U.D. Review

ROCHESTER HILLS CITY FILE #18-016 Section #27

**Demolition Plan** 

C100



×<sup>829.48</sup>

CL GVW RIM:838.78

CL MH TRAF RIM:839.01

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**Grading Plan** 

**C200** 

2. SPOT ELEVATIONS INDICATE TOP OF PAVEMENT UNLESS OTHERWISE INDICATED:

TC = TOP OF CURB

G = CURB GUTTER GRADE EXISTING TOP OF PAVEMENT

TOP OF POND ELEVATION

TOP OF WALL

**BOTTOM OF WALL** TOP GRADE

MIDDLE GRADE

**BOTTOM GRADE** 

HIGH GRADE LG = LOW GRADE

3. REFER TO LANDSCAPE PLAN FOR LANDSCAPE TREATMENT AND PLACEMENT.

**×** 865.80 PROPOSED GRADES EXISTING GRADES **×** 865.80 PROPOSED BY OTHERS

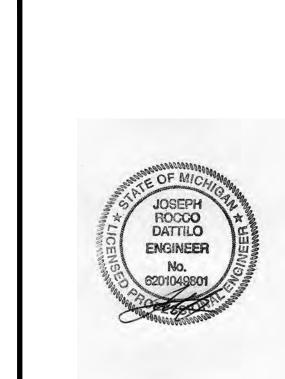
EXISTING SURVEY

ARCHITECTURE

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P.U.D. Review

ROCHESTER HILLS

CITY FILE #18-016 Section #27

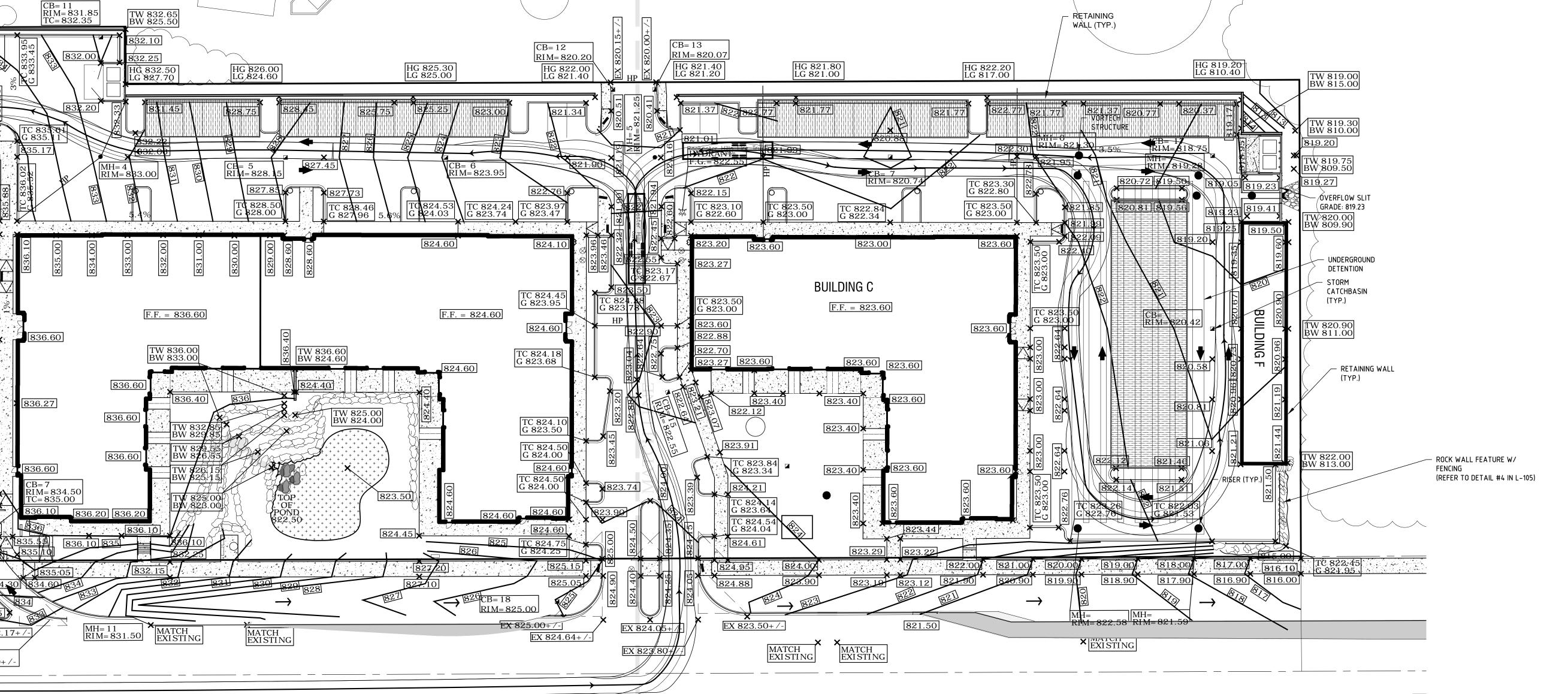
**Grading Plan** 

C201

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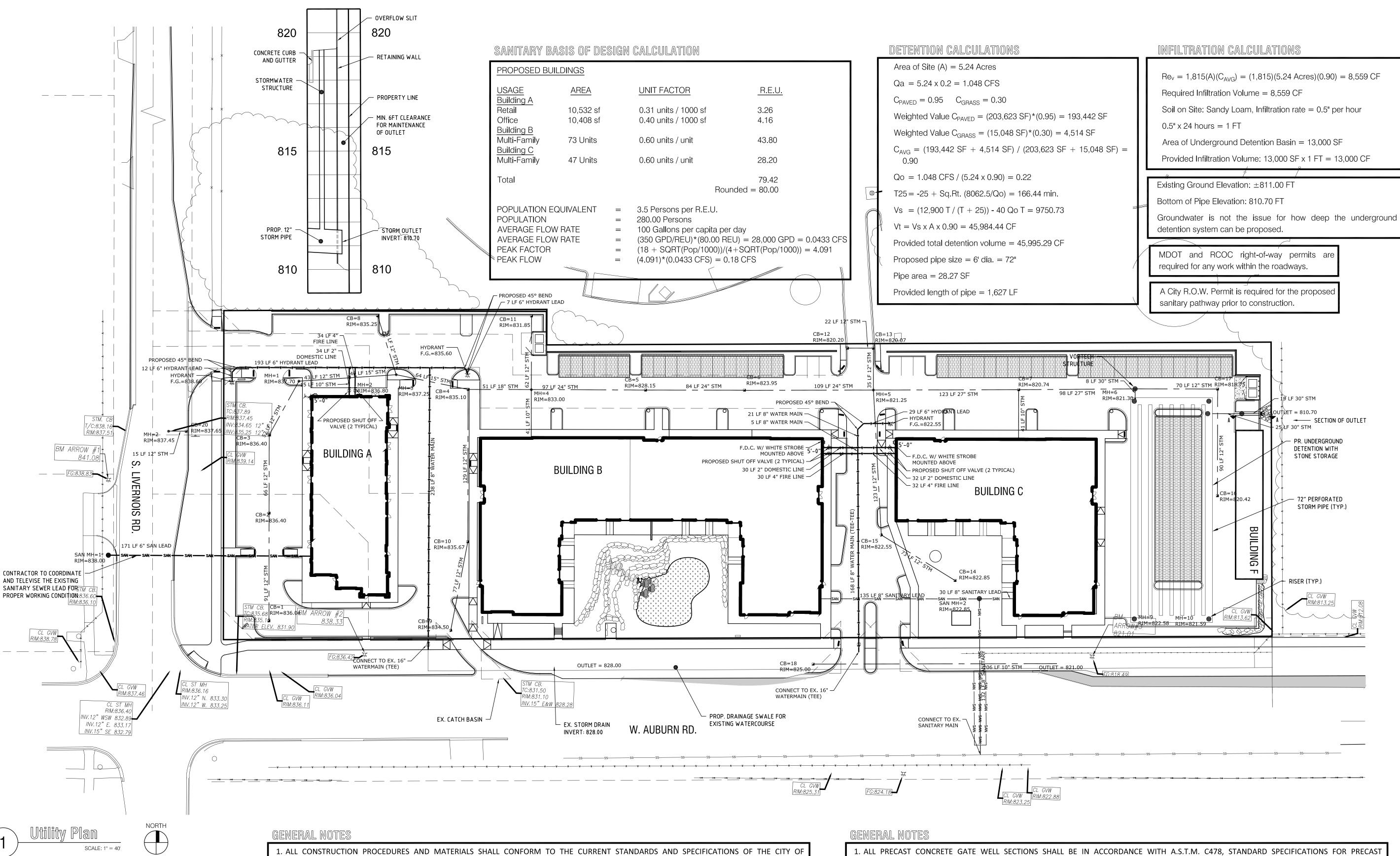
- 1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER HILLS AND M.D.O.T
- 2. IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
- 3. ON-SITE FILL CAN BE USED IF THE SPECIFIED COMPACTION REQUIREMENTS CAN BE ACHIEVED. IF ON-SITE SOIL IS USED, IT SHOULD BE CLEAN AND FREE OF FROZEN SOIL, ORGANICS, OR OTHER DELETERIOUS MATERIALS.
- 4. THE FINAL SUBGRADE/EXISTING AGGREGATE BASE SHOULD BE THOROUGHLY PROOFROLLED USING A FULLY LOADED TANDEM AXLE TRUCK OR FRONT END LOADER UNDER THE OBSERVATION OF A GEOTECHNICAL/ PAVEMENT ENGINEER. LOOSE OR YIELDING AREAS THAT CANNOT BE MECHANICALLY STABILIZED SHOULD BE REINFORCED USING GEOGRIDS OR REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.
- 5. SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED TO REPLACE MATERIALS SUSCEPTIBLE TO FROST HEAVING AND UNSTABLE SOIL CONDITIONS. ANY EXCAVATIONS THAT MAY BE REQUIRED BELOW THE TOPSOIL IN FILL SECTIONS OR BELOW SUBGRADE IN CUT SECTIONS, WILL BE CLASSIFIED AS SUBGRADE UNDERCUTTING.

- 1. SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED WHERE NECESSARY AND THE EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ANY SUBGRADE UNDERCUTTING SHALL BE BACKFILLED WITH SAND OR OTHER SIMILAR APPROVED MATERIAL BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM UNIT WEIGHT (PER ASTM D-1557) UNLESS OTHERWISE SPECIFIED.
- 2. BACKFILL UNDER PAVED AREAS SHALL BE AS SPECIFIED ON DETAILS.
- 3. ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY SHALL BE CONSIDERED INCIDENTAL TO THE JOB.
- 4. FINAL PAVEMENT ELEVATIONS SHOULD BE SO DESIGNED TO PROVIDE POSITIVE SURFACE DRAINAGE. A MINIMUM SURFACE SLOPE OF 1.0 PERCENT IS RECOMMENDED.
- 5. CONSTRUCTION TRAFFIC SHOULD BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE INITIAL LIFT THICKNESS COULD BE INCREASED AND PLACEMENT OF THE FINAL LIFT COULD BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM.



MATCH EXISTING ×

ROCHESTER HILLS.



1. MAINTAIN 10 - FOOT HORIZONTAL SEPARATION BETWEEN ALL UNDERGROUND UTILITIES THROUGHOUT.

- 2. WATERMAIN, SANITARY, STORM EASEMENTS AND STORM MAINTENANCE AGREEMENT WILL BE PROVIDED WITH ENGINEERING APPROVAL PLANS.
- 3. THE PROPOSED UNDERGROUND DETENTION AT THE EAST END OF THE DEVELOPMENT IS CAPABLE OF SUPPORTING THE IMPOSED LOAD OF A FIRE APPARATUS WEIGHING AT LEAST 75,000 POUNDS.

- 2. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED BY THE CITY OF ROCHESTER HILLS AND HELD PRIOR TO THE START OF CONSTRUCTION.
- 3. CONTRACTOR MUST CONTACT MISS DIG (811) AT LEAST THREE WORKING DAYS PRIOR TO THE START OF CONSTRUCTION FOR UNDERGROUND UTILITY LOCATIONS. ALL UTILITIES SHALL BE STAKED BEFORE CONSTRUCTION BEGINS.
- 4. ALL WATER MAIN EASEMENTS SHALL BE PROVIDED PRIOR TO CONSTRUCTION AND ACCEPTANCE OF THE WATER DISTRIBUTION SYSTEM.
- 5. WATER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 6 FEET BELOW FINISHED GRADES, INCLUDING OPEN DRAINAGE COURSES.
- 6. ALL TRENCHES UNDER OR WITHIN A 1:1 RATIO OF EXISTING OR PROPOSED PAVEMENT OR DRIVEWAYS, SHALL BE BACKFILLED WITH COMPACTED CLASS II SAND TO GRADE (95% MAXIMUM UNIT DENSITY).
- 7. WHERE TWO UTILITIES CROSS, PROVIDE CLASS II BACKFILL MATERIAL IN SIX (6) INCH COMPACTED LAYERS TO TOP HIGHEST UTILITY.
- 8. WHERE WATER MAINS DIP UNDER OTHER UTILITIES, THE SECTIONS WHICH ARE DEEPER THAN NORMAL SHALL BE CONSTRUCTED WITH 11-1/4° VERTICAL BENDS,  $22\frac{1}{2}$ ° OR 45° BENDS MUST BE RODDED AND PROPERLY ANCHORED.
- REINFORCED CONCRETE MANHOLE SECTIONS. WALL THICKNESS SHALL BE AS SHOWN ON THESE DETAILS. ALL JOINTS FOR PRECAST CONCRETE GATE WELL SECTIONS SHALL BE "MODIFIED GROOVE TONGUE" WITH GASKET MANUFACTURED TO CONFORM WITH A.S.T.M. C443, STANDARD SPECIFICATION FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE USING RUBBER GASKETS.
- 2. CONTRACTOR SHALL INSTALL VALVES, TAPPING SLEEVES, AND GATE WELL STRUCTURES IN STRICT COMPLIANCE WITH MEASUREMENTS PROVIDED ON SHEET 1 (2'-0" BETWEEN GATE WELL WELL AND CENTERLINE OF OPERATING NUT) TO ALLOW PROPER OPERATION OF VALVE THROUGH GATE WELL OPENING.
- 3. ALL CROSS-CONNECTION CONTROL DEVICES SHALL BE INSTALLED AS REQUIRED BY THE ROCHESTER HILLS PLUMBING INSPECTOR AND IN ACCORDANCE WITH THE STANDARDS OF THE OAKLAND COUNTY DRAIN COMMISSIONER OPERATION AND MAINTENANCE DIVISION AND THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF DRINKING WATER AND RADIOLOGICAL PROTECTION.
- 4. ALL WATER SERVICE CONNECTIONS TWO (2) INCHES AND SMALLER SHALL BE MADE BY THE CITY OF ROCHESTER HILLS, DEPARTMENT OF PUBLIC SERVICES AFTER WATER MAIN ACCEPTANCE AND APPLICABLE PERMITS ARE OBTAINED.
- 5. ALL FITTINGS AND BENDS SHOULD BE BLOCKED IN ACCORDANCE WITH THRUST BLOCK DETAILS, UNLESS ALTERNATE THRUST RESTRAINT SYSTEM, AS INDICATED PLANS AND SPECIFICATIONS, IS APPROVED BY THE CITY OF ROCHESTER HILLS DEPARTMENT OF PUBLIC SERVICES.

ARCHITECTURE

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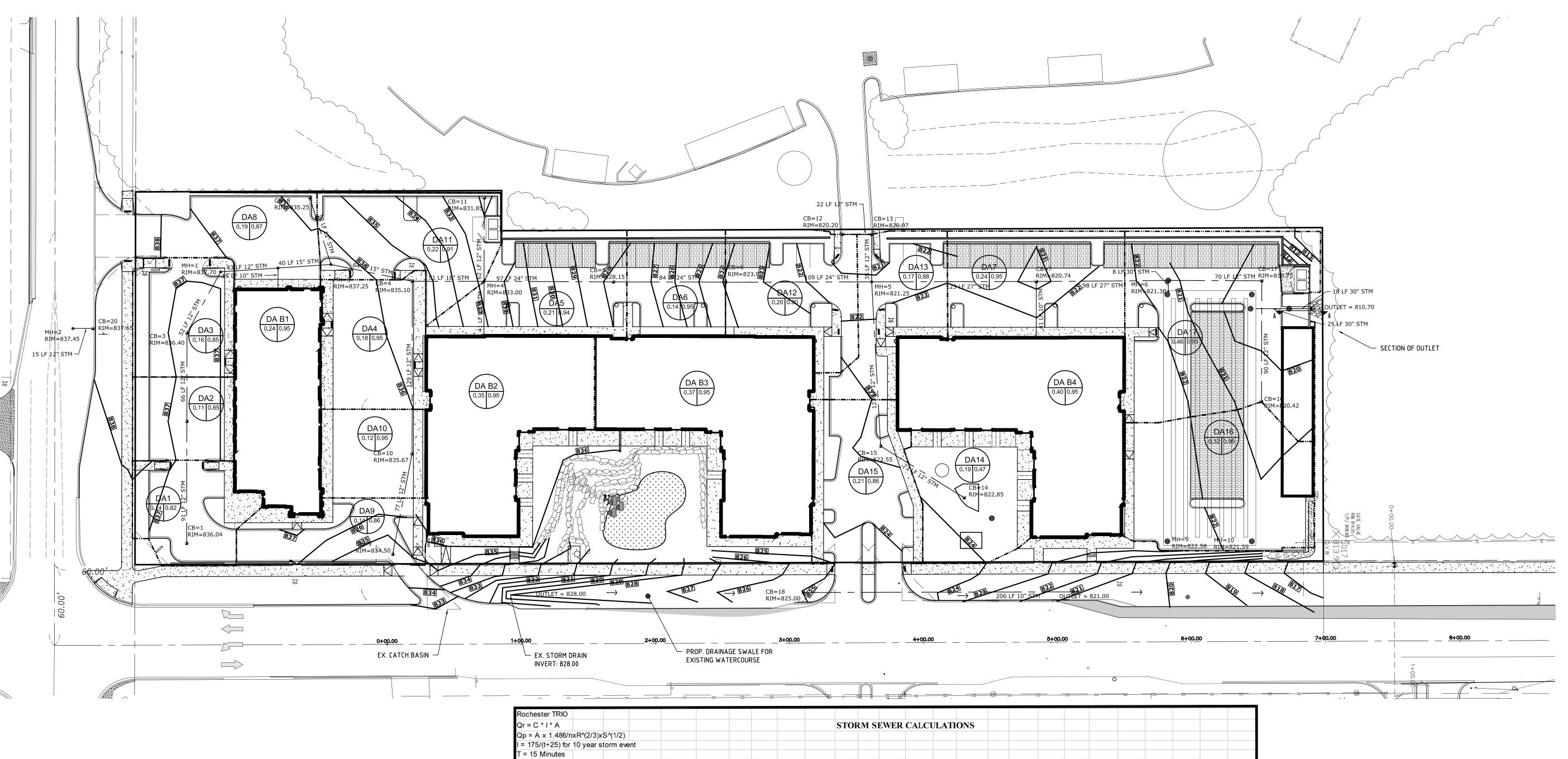


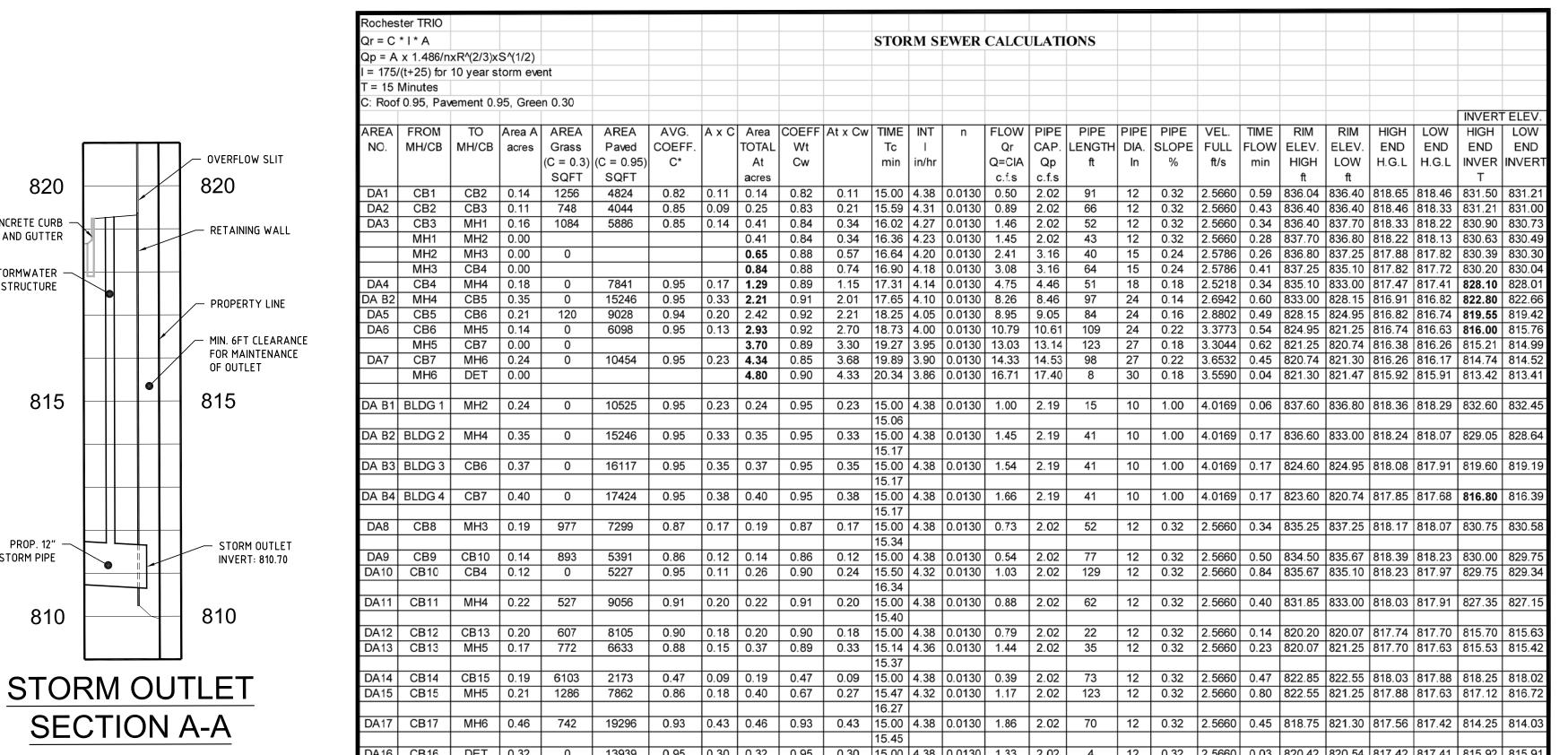


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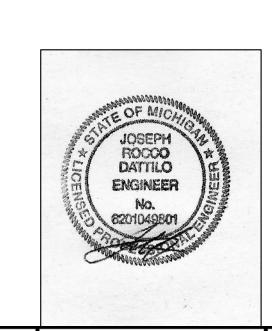


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Rochester Hills Trio 990 W. Auburn Rd Rochester Hills, MI 48307 P.U.D. Review

DRAINAGE AREA KEY

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

AREA IN ACRES

DRAINAGE AREA

RUNOFF COEFFICIENT

SCALE:1' = 40'

ROCHESTER HILLS CITY FILE #18-016 Section #27

Storm Management Plan

CONCRETE CURB

STORMWATER -

STRUCTURE

815

PROP. 12"

STORM PIPE

810

SCALE: 1"=40' HOR / 1"=2' VERT

Total Acres

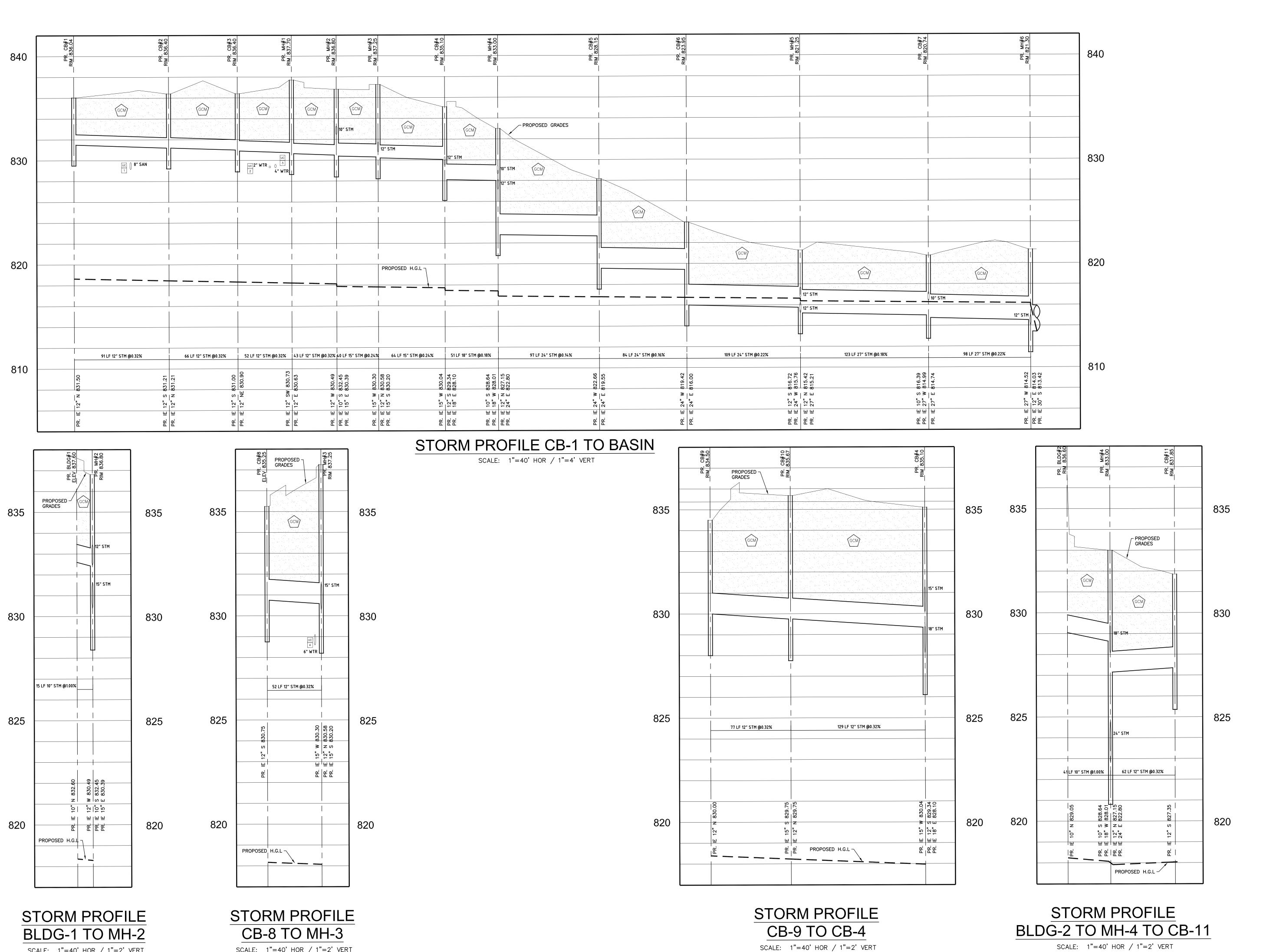
5.12

AND GUTTER

THE LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE BASED ON RECORDS PROVIDED BY THE UTILITY OWNERS AND VISIBLE EVIDENCE OBTAINED IN THE FIELD.

NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED TO THE

COMPLETENESS OR ACCURACY THEREOF.



SCALE: 1"=40' HOR / 1"=2' VERT

SCALE: 1"=40' HOR / 1"=2' VERT

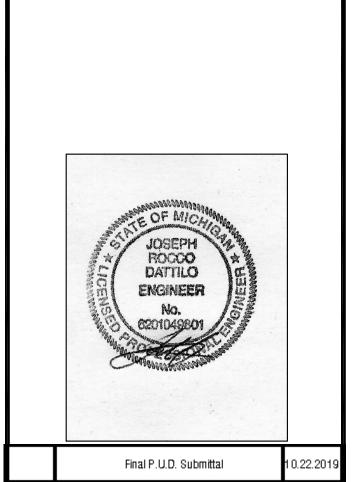
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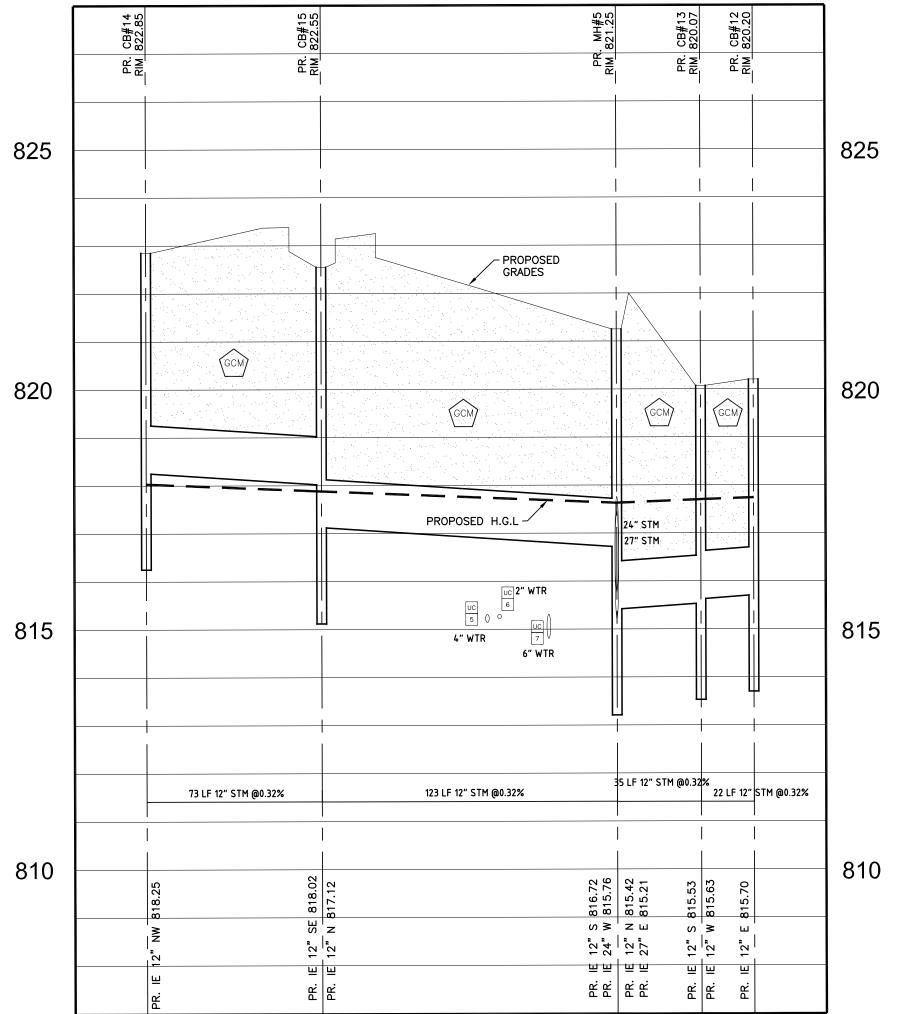
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Profile Plan

017218 C401



STORM PROFILE 27, R M 814.39

815

STORM PROFILE
CB-14 TO MH-5 TO CB-12

SCALE: 1"=40' HOR / 1"=2' VERT

STORM PROFILE BLDG-4 TO CB-7

PROPOSED GRADES

PROPOSED H.G.L

815

SCALE: 1"=40' HOR / 1"=2' VERT

STORM PROFILE CB-16 TO BASIN

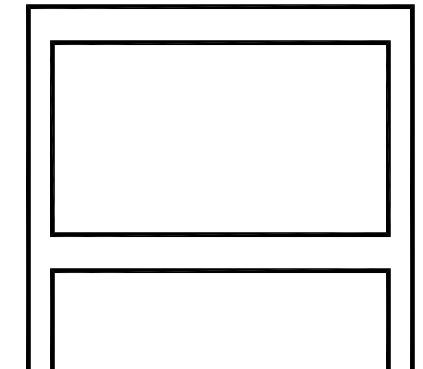
SCALE: 1"=40' HOR / 1"=2' VERT



301 WALNUT BOULEVARD ROCHESTER, MI 48307

T:248.601.4422 F:248.453.5854

W W W . D E S I G N H A U S . C O M I N F O @ D E S I G N H A U S . C O M





No.	Revision/Issue	Date
	P.U.D. Submittal	08.27.201
	P.U.D. Resubmittal #1	10.23.20 <sup>-</sup>
	P.U.D. Resubmittal #2	12.28.20 <sup>-</sup>
	P.U.D. Resubmittal #3	02.25.201
	P.U.D. Resubmittal #4	04.26.201
	P.U.D. Resubmittal #5	06.12.201
	P.U.D. Resubmittal #6	07.15.201
	Final P.U.D. Submittal	08.19.201
	Final P.U.D. Submittal	1 0.22.201

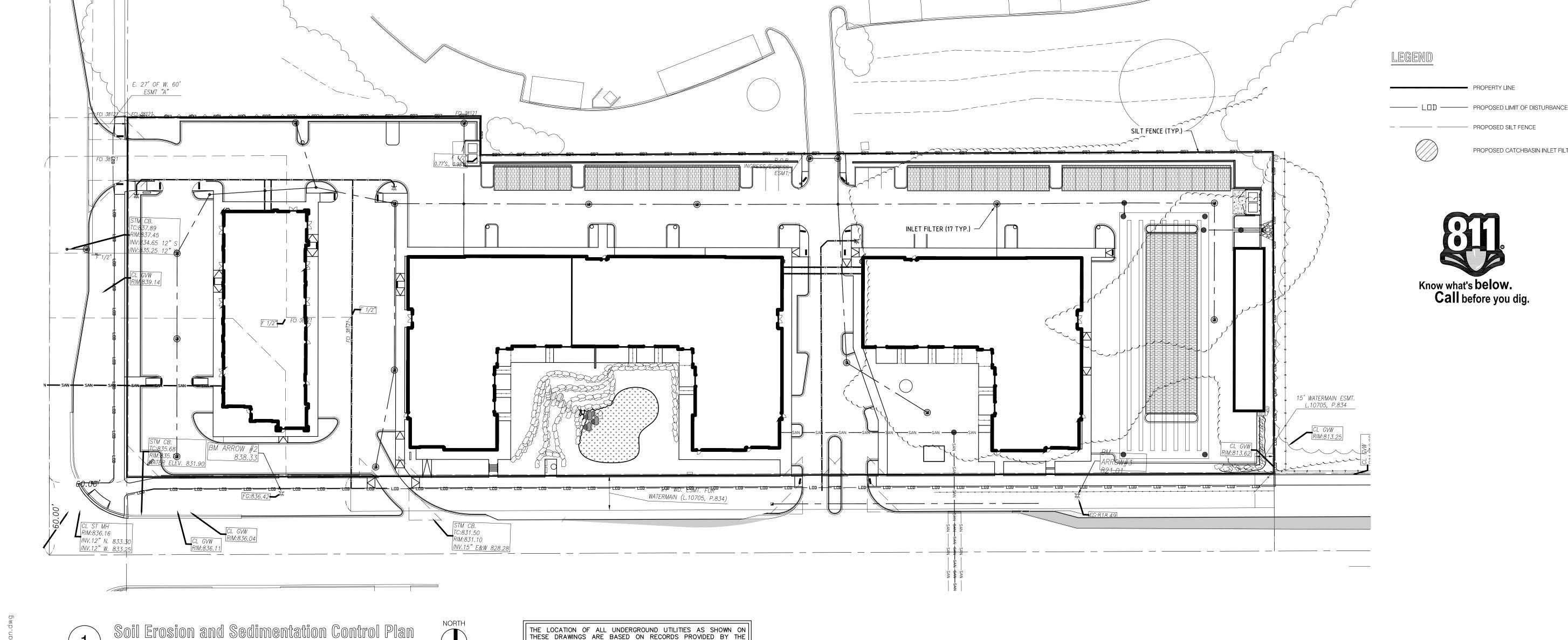
Rochester Hills Trio 990 W. Auburn Rd Rochester Hills, MI 48307 P.U.D. Review

ROCHESTER HILLS
CITY FILE #18-016 Section #27

Profile Pl

C402

017218



UTILITY OWNERS AND VISIBLE EVIDENCE OBTAINED IN THE FIELD.

NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED TO THE COMPLETENESS OR ACCURACY THEREOF.

ARCHITECTURE

301 WALNUT BOULEVARD ROCHESTER, MI 48307

T:248.601.4422 F:248.453.5854

PROPERTY LINE

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

PROPOSED CATCHBASIN INLET FILTER

W W W . D E S I G N H A U S . C O M INFO@DESIGNHAUS.COM

JOSEPH ROCCO DATTILO ENGINEER

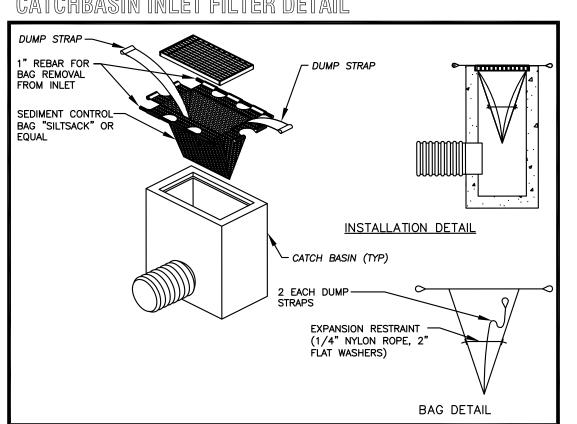
Final P.U.D. Submittal P.U.D. Resubmittal #4 P.U.D. Resubmittal #3 P.U.D. Resubmittal #2 P.U.D. Resubmittal #1 P.U.D. Submittal Date Revision/Issue

Rochester Hills Trio 990 W. Auburn Rd Rochester Hills, MI 48307 P.U.D. Review

ROCHESTER HILLS CITY FILE #18-016 Section #27

**Soil Erosion Plan** 

OAKLAND COUNTY GENERAL NOTES CATCHBASIN INLET FILTER DETAIL



FILTER FABRIC TYPE 2 TYPE 1 TOE-IN METHODS POST "A" SECTION "B" SECTION "A" -SECTION JOINTING TOP VIEW 1) 6" MIN. ANCHOR TRENCH 2) STAKES AT 6' MAX SPACING 3) DRIVE STAKES MIN. 1' INTO GROUND

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF THE OAKLAND COUNTY DRAIN COMMISSIONER.

2. ALL TEMPORARY AND PERMANENT( POST CONSTRUCTION ) SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE CITY OF ROCHESTER HILLS CURRENT MS4 PERMIT. ANY CONFLICT BETWEEN THESE STANDARDS AND THE MS4 PERMIT, THE PERMIT'S CONDITIONS SHALL TAKE PRECEDENCE.

3. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR FOR THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES, AND ANY NECESSARY SHALL BE PERFORMED WITHOUT DELAY. 4. ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS.

5. CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WHEN REQUIRED AND AS DIRECTED ON 6. STAGING THE WORK WILL BE DONE BY THE CONTRACTOR AS DIRECTED IN THESE PLANS AND REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH.

7. SOIL EROSION CONTROL PRACTICES SHALL BE ESTABLISHED IN THE EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE. 8. FAILURE OF COMPLY WITH APPROVED SOIL EROSION AND SEDIMENTATION MEASURES MY RESULT IN WORK STOPPAGE BY APPROPRIATE AUTHORITY.

9. EXCEPTIONS TO TIMING OF CONTROL MEASURES' INSTALLATION WILL ONLY BE PERMITTED WHERE TREES AND STUMPS NEED TO BE REMOVED TO INSTALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.

10. CONTRACTOR IS TO PROVIDE THE CITY WITH PERMIT RENEWALS, VIOLATION CORRECTIONS, AND/OR RELEASES.