GENERAL NOTES:

- 1. THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ROCHESTER HILLS STANDARD DETAILS, SPECIFICATIONS, AND CODE OF ORDINANCE, THE CURRENT MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION (ENGLISH), OAKLAND COUNTY, MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY, AND THE 1994 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS OR IN THE PROPOSAL, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
- 2. THE LOCATION OF ALL UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. NOWAK AND FRAUS WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATIONS FROM THE LOCATIONS SHOWN OR IN THE CASE OF UNFORESEEN EVENTS. AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG FOR ANY UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT. THE CONTRACTOR SHALL NOTIFY MISS DIG AT 1-800-482-7171 A MINIMUM OF THREE WORKING DAYS PRIOR TO ANY EXCAVATION OR GRADING. THE CONTRACTOR SHALL VERIFY THE LOCATION & DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION
- 3. PUBLIC RIGHT OF WAYS SHALL NOT BE CLOSED WITHOUT THE WRITTEN APPROVAL OF THE CITY OR STATE. PERMITS MUST IE OBTAINED FROM THE CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MDOT AND MDEQ PRIOR TO THE COMMENCEMENT OF WORK. PROPER TEMPORARY SIGNING AND BARRICADING MUST BE ERECTED AND MAINTAINED TO INSURE SAFE TRAFFIC CONDITIONS ADJACENT TO WORK WITHIN PUBLIC RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS, FILING ADVANCE NOTICE(S) AND MEETING ALL OTHER APPLICABLE PERMIT REQUIREMENTS.
- 4. DUST CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AT SUCH TIMES AS THE CITY/COUNTY/STATE INSPECTORS SHALL DIRECT. WATER AND/OR CHLORIDE USED AS A DUST CONTROL PALLIATIVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE WORK OF THE ENTIRE PROJECT.
- 5. THE CONTRACTOR SHALL VERIFY WITH THE CITY OR APPROPRIATE OWNER(S)/OWNER'S REPRESENTATIVE, ALL SALVAGED OR REMOVED MATERIAL, DEBRIS OR ITEMS ORIGINATING FROM PRIVATE PROPERTY OR PUBLIC RIGHT OF WAYS, NOT TO BE REUSED AS PART OF THIS PROJECT AND NOT TO BE CLAIMED BY THE APPROPRIATE OWNER(S). SAID ITEMS SHALL INCLUDE BUT ARE NOT LIMITED TO DRAINAGE STRUCTURE COVERS, SIGNS, SIGN POLES, DIRT, ETC., SHALL BECOME T PROPERTY OF THE CONTRACTOR, SHALL BE IMMEDIATELY HAULED OFFSITE AND LEGALLY DISPOSED OF AND SHALL NOT BE STORED WITHIN MUNICIPAL RIGHT OF WAYS.
- 6. IN CONJUNCTION WITH THE PROPOSED SITE WORK, THE UTILITY COMPANIES AND/OR PUBLIC AGENCIES MAY BE RELOCATING OR REPLACING FACILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS OPERATION WITH THESE AND/OR OTHER UTILITIES, IF NECESSARY, TO NOT INCUR FURTHER COSTS TO THE OWNER.
- 7. THE CONTRACTOR AND/OR SUBCONTRACTOR IS REQUIRED TO COOPERATE AND COORDINATE THEIR WORK WITH ALL WORK, IF ANY, BEING PERFORMED BY OTHERS.
- 8. SAWCUTTING IS REQUIRED FOR THE REMOVAL OF PAVEMENT, SIDEWALK, CURB AND GUTTER, DRIVE APPROACHES, ETC.
 THE FIELD ENGINEER SHALL DETERMINE AND MARK IN THE FIELD THE APPROPRIATE REMOVAL OR SAWCUT LIMITS PRIOR
- 9. IT IS THE INTENT THAT ALL GOVERNMENT CORNERS BE PRESERVED AND THAT, WHERE NECESSARY, MONUMENT BOXES BE SURVEYED AND WITNESSED, WHETHER SHOWN OR NOT, PRIOR TO REMOVAL OF SAID MONUMENTS. APPROPRIATELY RESEALL MONUMENT CORNERS AND RESPECTIVE BOXES IN CONJUNCTION WITH CONSTRUCTION OPERATIONS.
- 10. IN THE SPIRIT OF PROVIDING QUALITY PROJECT ASSURANCE, ALL RECOMMENDATIONS AND SUGGESTIONS POSED BY OTHER PROFESSIONAL DESIGN AND TESTING FIRMS INVOLVED WITH THIS PROJECT AND NOT TO BE FOUND IN THESE PLANS SHALL BE CONSIDERED AND DECIDED UPON BY THE OWNER AND CONTRACTOR. 11. ADJUSTING EXISTING STORM DRAIN, SANITARY SEWER AND GATE VALVE STRUCTURE COVERS AS INDICATED IN THE PLANS SHALL INCLUDE REMOVING AND REPLACING THE CASTING/COVER, BLOCK, BRICK AND IF NEEDED, PRECAST SECTIONS TO OBTAIN THE DESIRED PROPOSED RIM ELEVATIONS. SET ALL RIM ELEVATIONS TO THE PROPOSED FINISHED GRADES AS

GENERAL PAVING NOTES

- PROPOSED ASPHALT PAVEMENT LIFT THICKNESSES SHOWN ARE MINIMUM, AND SHALL BE CONFIRMED WITH ON-SITE GEOTECHNICAL ENGINEER.
 REQUIRED ASPHALT PAVEMENT LIFT THICKNESS PLACEMENT MAY INCREASE FROM MINIMUM THICKNESS SHOWN BASED ON FIELD CONDITIONS.
 PAVEMENT SHALL BE OF THE TYPE, THICKNESS AND CROSS SECTION AS INDICATED ON THE PLANS AND AS FOLLOWS:
 - CONCRETE PAVEMENT SHALL MEET P1 MODIFIED MATERIAL SPECIFICATIONS. PORTLAND CEMENT TYPE IA (AIR-ENTRAINED) WITH A MINIMUM CEMENT CONTENT OF SIX SACKS PER CUBIC YARD, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND A SLUMP OF 1 1/2 TO 3 INCHES. CONCRETE WALKS & CURB AND GUTTER SHALL MEET M.D.O.T. P1 MATERIAL SPECIFICATIONS. 7-SACK HIGH-EARLY NOT ALLOWED UNLESS APPROVED BY OWNER.

ALL CONCRETE PAVEMENT AND FLATWORK MIXES USED ON THIS PROJECT SHALL COMPLY WITH A MINIMUM GROUND GRANULATED BLAST-FURNACE SLAG (GGBFS) SUBSTITUTION OF THIRTY-FIVE (35) PERCENT SUBJECT TO SEASONAL LIMITATIONS PER THE MICHIGAN DEPARTMENT OF TRANSPORTATION (M.D.O.T.) STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2012 EDITION.

ALL BITUMINOUS MIXES SHALL BE DESIGNED FOR 3 PERCENT AIR VOIDS.

- SURFACE COURSE M.D.O.T. 5E3; ASPHALT BOND COAT SHALL MEET SS-1H AND/OR AN APPROVED EQUIVALENT APPLIED UNIFORMLY OVER THE SURFACE AT A RATE OF 0.10
- ASPHALT BINDER PG 64-22 (ALL BIT. MIXES) COMPACT ALL ASPHALT COURSES TO A DENSITY OF 94% TO 97% OF THE MAXIMUM DENSITY AS DETERMINED BY THE RICE METHOD.
- 3. AGGREGATE BASE COURSE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED. SAND SUB-BASE SHALL MEET M.D.O.T. CLASS II SPECIFICATIONS, AND SHALL BE COMPACTED TO 95% MAX. DENSITY.
- 4. NO RAP ALLOWED IN TOP COURSES. RAP IN LEVELING & BASE COURSES SHALL BE LIMITED TO 30%, AND OTHERWISE SHALL MEET M.D.O.T.
- 5. ALL CONCRETE PAVEMENT, DRIVEWAYS, CURB & GUTTER, ETC., SHALL BE SPRAY CURED WITH WHITE MEMBRANE CURING COMPOUND IMMEDIATELY FOLLOWING FINISHING OPERATION. <u>DO NOT ALLOW TRAFFIC UNTIL PCC REACHES 75 PERCENT DESIGN FLEXURAL STRENGTH.</u>
- 6. ALL CONCRETE PAVEMENT JOINTS SHALL BE FILLED WITH HOT POURED RUBBERIZED ASPHALT JOINT SEALING COMPOUND IMMEDIATELY AFTER SAWCUT OPERATION. FEDERAL SPECIFICATION SS-S164.
- 7. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CONTRACT.
- 8. ALL TOP OF CURB ELEVATIONS, AS SHOWN ON THE PLANS, ARE CALCULATED FOR A 6" CONCRETE CURB UNLESS OTHERWISE NOTED. 9. ALL SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1973 AND ICC/ANSI A117.1-1998, SECTION 406, SHALL BE INSTALLED AS INDICATED
- ON THE PLANS. . FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND LIKEWISE
- 11. EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AREA PRIOR TO PLACEMENT OF BASE MATERIALS, INCLUDING COMPLETE REMOVAL OF TREE ROOTS.
- 12. EXPANSION & CONTRACTION JOINTS SHALL BE PLACED IN ACCORDANCE WITH INDUSTRY QUALITY STANDARDS.
- 13. ALL PAVEMENT <u>SUBGRADE</u> AREAS SHALL BE PROOF—ROLLED (MAX. DEFLECTION 1/4") UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF BASE MATERIALS AND PAVING MATERIALS.
- 14. FILL AREAS SHALL BE MACHINE COMPACTED IN UNIFORM LIFTS NOT EXCEEDING 9 INCHES THICK TO 95% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT.
- 15. ALL STRUCTURES (MANHOLES, GATEWELLS, HYDRANTS, ETC.) WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO THE FINISH GRADE.
- 16. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE ALL FOUNDATION ELEVATIONS WITH THE ARCHITECTURAL PLANS TO ENSURE PROPER CONSTRUCTION OF ALL WALKS, PAVEMENTS, CURBS, WALLS, ETC. TO ACHIEVE PROPOSED FINISHED GRADES.
- 17. THE CONTRACTOR SHALL REQUEST WRITTEN CLARIFICATION FROM THE ENGINEER WELL IN ADVANCE OF CONSTRUCTION, SHOULD THERE BE ANY QUESTIONS. 18. UNDER NO CIRCUMSTANCES SHOULD A SIDEWALK, WALKPATH, OR OTHER PAVED ROUTE BE CONSTRUCTED BENEATH AN ANGLED UTILITY POLE
- IY ANCHOR CABLE. THE CONTRACTOR MUST COORDINATE RELOCATION OF GUY ANCHORS WITH THE UTILITY COMPANY OWNER PRIOR TO
- 19. EXISTING ASPHALT TO BE OVERLAID MUST BE PREPARED ACCORDING TO THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORTS AND FIELD TESTING ENGINEER PRIOR TO PAVING OVERLAYS AND WEDGE COURSES, INCLUDING CLEANING, SWEEPING, MILLING, CRACK FILLING,
- 20. CONSTRUCTION TRAFFIC SHALL BE MINIMIZED ON EXPOSED SUBGRADES, AGGREGATE BASE COURSES, AND NEW PAVEMENTS. CONSULT WITH THE ON-SITE SOILS ENGINEER FOR REMEDIES CONCERNS TRAFFIC LOADING AND PREPARATIONS TO MINIMIZE DAMAGE TO THE PREPARED SURFACE
- 21. ON—SITE FILL CAN BE USED IF THE SPECIFIED COMPACTION REQUIREMENTS CAN BE ACHIEVED AND IS FREE OF FROZEN SOIL, ORGANICS OR OTHER DELETERIOUS MATERIALS. CONSULT WITH THE ON—SITE SOILS ENGINEER PRIOR TO USE OF MATERIALS AS DICTATED BY SITE CONDITIONS. 22. REPAIR DISTRESSED PAVEMENT LEVELING AREAS PER THE RECOMMENDATIONS OF THE ON-SITE SOILS ENGINEER, PRIOR TO PLACING TOP

STORM DRAIN, SANITARY SEWER, AND WATER MAIN NOTES:

- 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER HILLS AND OAKLAND COUNTY, AS APPLICABLE. THE CITY OF ROCHESTER HILLS NOTES, DETAILS AND SPECIFICATIONS SHALL BE INCORPORATED AS PART OF THESE PLANS.
- 2. ALL PIPE TRENCHES UNDER OR WITHIN A FIVE (5) FOOT INFLUENCE OF EXISTING OR PROPOSED BUILDING AND PAVEMENTS SHALL BE BACK FILLED WITH ENGINEERED FILL CONSISTING OF MDOT CLASS II SAND AND BE MACHINE COMPACTED IN 8" TO 9" LIFTS TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY UTILIZING ASTM 1557-T180 MODIFIED PROCTOR OR AS RECOMMENDED BY THE SOILS ENGINEER. PAVEMENTS SHALL INCLUDE PARKING LOTS, DRIVE APPROACHES, CURB & GUTTER AND ADJACENT WALKS.
- 3. ALL STORM DRAIN AND SEWER PIPE SHALL BE INSTALLED ON CLASS "B" BEDDING OR BETTER. ALL STORM, SANITARY, AND WATER MAIN PIPE TRENCHES SHALL BE AS AS SHOWN ON STANDARD DETAIL SHEETS.
- 4. STORM DRAIN AND SEWER SHALL BE OF THE TYPE, SIZE AND CLASS DESIGNATION AS INDICATED ON THE PLANS AND LIKEWISE BE INSTALLED AT THE PROPOSED LINE AND GRADE.
- 5. ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM SPECIFICATION C-76 CL IV, UNLESS OTHERWISE
- 6. AND WATER MAIN PIPE SHALL BE AS SHOWN AND IN ACCORDANCE WITH THE MUNICIPALITY STANDARDS.
- 7. ALL MANHOLE, CATCH BASIN, AND GATE WELL COVERS/CASTINGS SHALL BE AS INDICATED IN THE PLANS IN ACCORDANCE WITH
- 8. THE CONTRACTOR SHALL NOTIFY MISS DIG (1-800-482-7171) A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- 9. EXACT GRADES AND INVERTS OF PROPOSED STORM DRAIN AND SEWER ARE TO BE CHECKED WITH THE FIELD ENGINEER PRIOR AND DURING INSTALLATION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY PLAN INCONSISTENCY AND/OR
- 10. ALL STORM DRAIN PIPE JOINTS SHALL BE "PREMIUM JOINT" MODIFIED GROOVED TONGUE (MGT) WITH SYNTHETIC RUBBER GASKETS CONFORMING TO ASTM SPECIFICATION C-443 AND C-361 UNLESS OTHERWISE INDICATED ON THE PLANS.
- 11. FACILITY MANUFACTURED PRECAST TEE SECTIONS SHALL BE FOR ROOF DRAINS AND/OR SUMP PUMP LEADS AND LATERALS WHERE INDICATED ON THE PLANS. BLIND TAP CONNECTIONS INTO STORM SEWER WILL NOT BE PERMITTED BY BREAKING PIPEWALL.
- 12. THE UNDERGROUND SITE CONTRACTOR SHALL INSTALL ALL STORM DRAIN AND SEWER BUILDING LEADS (IF REQUIRED) TO WITHIN FIVE (5) FEET OF PROPOSED BUILDING.
- 13. UTILIZE FLOWABLE FILL IN AREAS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

UTILITIES.

- 14. ASSURE PROPER COMPACTION AROUND ALL STORM DRAIN, SEWER, AND WATER MAIN PIPE, INCLUDING CROSSINGS WITH OTHER
- 15. ALL STORM DRAIN PIPE SIDEWALL TAPS SHALL BE DONE VERTICALLY CENTER TO CENTER OF PIPES, AND HORIZONTALLY IN THE MIDDLE OF A PIPE SECTION (TYPICAL CONCRETE PIPE SECTION IS 8' LONG). MAKE TAPS IN THE PRESENCE OF THE MUNICIPALITY'S
- 16. INSTALL CONCRETE THRUST BLOCKS AT ALL BENDS AND HYDRANT TEES PER OAKLAND COUNTY STANDARD DETAILS.

UTILITIES

AT LEAST 72 HOURS (3 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY MISS DIG AND THE LOCAL COMMUNITY (WHERE APPLICABLE) TO STAKE LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL EXPOSE AND VERIFY EXISTING UTILITIES FOR LOCATION, SIZE, DEPTH, MATERIAL

AND CONFIGURATION PRIOR TO CONSTRUCTION. COSTS FOR EXPLORATORY EXCAVATION IS AN INCIDENTAL COST AND SHALL NOT BE CONSIDERED AN EXTRA TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY EXISTING UTILITIES WHICH DO NOT MATCH THE PLANS AND SPECIFICATIONS PRIOR TO COMMENCING WORK. ANY FIELD CHANGES OF THE PROPOSED

THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE. ANY SERVICE OR UTILITY DAMAGED OR REMOVED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR, IN CONFORMANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY PROVIDER.

UTILITIES SHALL BE APPROVED BY THE OWNER AND ENGINEER BEFORE THE WORK IS DONE.

DAMAGE TO PRIVATE PROPERTY

ALL SIDEWALKS, DRIVEWAYS, LAWNS, FENCING, TREES, SHRUBS, SPRINKLERS, LANDSCAPING, ETC., ARE DAMAGED DURING CONSTRUCTION MUST BE REPAIRED OR REPLACED, IN KIND OR BETTER, B CONTRACTOR. ALL STREET SIGNS, MAIL BOXES, ETC., REMOVED SHALL BE REPLACED IN KIND OR BETTER, BY THE CONTRACTOR. ALL THE REPAIRS OR REPLACEMENTS DUE TO THE CONTRACTOR'S WORK ARE T BE INCLUDED IN THE CONTRACT PRICE(S) AND SHALL NOT BE AN EXTRA TO THE CONTRACT.

THE CONTRACTOR SHALL SECURE PERMISSION IN WRITING FROM ADJACENT PROPERTY OWNERS PRIOR T ENTERING UPON ANY ADJOINING PROPERTIES, UNLESS OFFSITE PERMITS HAVE ALREADY BEEN OBTAINED BY THE OWNER AND ARE PART OF THE CONTRACT DOCUMENTS.

DEWATERING OF TRENCH AND EXCAVATIONS

F NOT SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION DESIGN DOCUMENTS. THE DESIGN QUALITATIVE ANALYSIS OF GROUND WATER DEWATERING SYSTEMS IS BEYOND THE SCOPE OF DESIGN FOR THESE DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING AND PROVIDING APPROPRIATE EXCAVATION DEWATERING SYSTEMS FOR USE DURING CONSTRUCTION.

THE DEWATERING METHOD SELECTED BY THE CONTRACTOR WILL NOT ADVERSELY AFFECT ADJACENT PAVEMENTS OR STRUCTURES PRIOR TO BEGINNING DEWATERING CONDITIONS. MEANS AND METHODS OF DEWATERING ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF DEWATERING WILL BE ONSIDERED INCLUDED IN THE WORK OF CONSTRUCTING THE UNDERGROUND UTILITIES UNLESS SPECIFICALLY INDICATED OTHERWISE.

BY-PASS PUMPING

FROM TIME TO TIME IT MAY BE NECESSARY FOR THE CONTRACTOR TO BY-PASS PUMP TO COMPLETE THE WORK INDICATED ON THE PLANS. THE COST OF BY-PASS PUMPING, THE METHODS, EQUIPMENT AND MEANS OF PROVIDING THAT WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED PART OF THE WORK WHETHER SPECIFICALLY CALLED OUT ON THE PLANS OR NOT.

MEANS AND METHODS FOR PIPE CONSTRUCTION

T SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS CONSTRUCTING THE UNDERGROUND PIPE SYSTEMS PROPOSED ON THE PLANS, INCLUDING BUT NOT LIMITED TO THE NEED FOR SHORING/BRACING OF TRENCHES, DEWATERING OF TRENCHES, SCHEDULING THE WORL AT OFF PEAK HOURS, AND/OR MAINTAINING EXISTING FLOWS THAT MAY BE ENCOUNTERED VIA PUMPING. BY—PASS PIPING OR OTHER MEANS. THE CONTRACTOR SHALL NOT BE PAID ANY ADDITIONAL COMPENSATION TO IMPLEMENT ANY MEANS AND METHODS TO SATISFACTORILY COMPLETE THE

PAVEMENT REMOVAL

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE THICKNESS OF THE PAVEMENT REMOVAL PAVEMENT CORE SAMPLES ARE FOR INFORMATIONAL PURPOSES ONLY AS TO THE THICKNESS OF THI PAVEMENT AT THE LOCATION OF THE SAMPLE. THE OWNER AND ENGINEER MAKE NO REPRESENTATION, WARRANTY OR GUARANTY THAT THE SAMPLES ACCURATELY REFLECT THE PAVEMENT THICKNESS ON THE

MAINTENANCE OF TRAFFIC

DURING THE PROGRESS OF THE WORK THE CONTRACTOR SHALL ACCOMMODATE BOTH VEHICULAR AND PEDESTRIAN TRAFFIC IN THE ROAD RIGHTS OF WAY. THE CONTRACTOR'S EQUIPMENT AND OPERATIONS ON PUBLIC STREETS SHALL BE GOVERNED BY ALL APPLICABLE LOCAL, COUNTY AND STATE ORDINANCES REGULATIONS AND LAWS. THE CONTRACTOR SHALL OBTAIN AND SATISFY ANY AND ALL PERMI REQUIREMENTS BY THE LOCAL, COUNTY AND STATE GOVERNMENTAL AGENCIES.

INFLUENCE OF THE ROAD OR PEDESTRIAN RIGHT OF WAY, THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, FLAG PERSONS AND OTHER TRAFFIC CONTROL MEASURES AS REQUIRED BY MDOT, TH COUNTY, OR THE COMMUNITY HAVING JURISDICTION OF THE ROAD AND IN CONFORMANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

COMPENSATION FOR TRAFFIC CONTROL SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICE(S) UNLESS SPECIFIC TRAFFIC CONTROL ITEMS ARE INCLUDED IN THE ACCEPTED BID PROPOSAL.

IRRIGATION

THE CONTRACTOR SHALL MAINTAIN OR REPAIR ANY EXISTING IRRIGATION SYSTEMS WITHIN THE PROJEC[.] AREA UNLESS THE DRAWINGS CALL FOR THE IRRIGATION SYSTEM TO BE REMOVED. THE OWNER AND NFE MAKE NO REPRESENTATIONS, WARRANTY OR GUARANTY AS TO THE LOCATION OF THE IRRIGATION SYSTEM. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT THE IRRIGATION SYSTEM DURING CONSTRUCTION ACTIVITIES. COMPENSATION FOR MAINTAINING OR REPAIRING EXISTING IRRIGATIONS SYSTEMS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICE(S) UNLESS SPECIFIC IRRIGATION SYSTEM REPAIR ITEMS ARE INCLUDED IN THE ACCEPTED BID PROPOSAL.

SUB-SOIL CONDITIONS

ANY SOIL BORING PROVIDED BY THE OWNER AND/OR ENGINEER IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THIS INFORMATION IS NOT OFFERED AS EVIDENCE OF GROUND CONDITIONS THROUGHOUT THE PROJECT AND ONLY REFLECT THE GROUND CONDITIONS AT THE LOCATION OF THE BORING ON THE

THE ACCURACY AND RELIABILITY OF THE SOIL LOGS AND REPORT ARE NOT WARRANTED OR GUARANTEED IN ANY WAY BY THE OWNER OR ENGINEER AS TO THE SUB-SOIL CONDITIONS FOUND ON THE SITE. TH CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION AND SUB-SOIL INVESTIGATION AND SECURE OTHER SUCH INFORMATION AS THE CONTRACTOR CONSIDERS NECESSARY TO DO THE WORK PROPOSED AND IN PREPARATION OF THEIR BID.

SUBGRADE UNDERCUTTING AND PREPARTION

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY AND ALL SOILS WHICH DO NOT CONFORM TO THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A SUBGRADE IN CONFORMANCE WITH THE PROJECT PLANS AND/OR SPECIFICATIONS. THE MEANS AND METHODS USED TO ACHIEVE THE REQUIRED RESULT SHALL REST SOLELY WITH THE CONTRACTOR. ANY AREAS OF UNDERCUTTING THAT RESULT IN ADDITIONAL OR EXTRA WORK BECAUSE THEY COULD NOT BE IDENTIFIED BY THE CONTRACTOR'S PRE-BID SITE OBSERVATION OR ARE NOT SET FORTH IN THE PLANS AND SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE ANY EXTRA WORK IS PERFORMED. THE CONTRACTOR SHALL MAKE A REQUEST FOR ANY ADDITIONAL COMPENSATION FOR THE UNDERCUTTING IN WRITING AND THE REQUEST SHALL CONFORM TO

THE CONTRACT'S CHANGE ORDER PROVISIONS. STRUCTURE BACKFILL

STRUCTURAL BACKFILL SHALL BE PLACED IN CONFORMANCE WITH THE PROJECT PLANS, SPECIFICATIONS OR AS REQUIRED BY THE COMMUNITY, GOVERNMENT AGENCY OR UTILITY THAT HAS JURISDICTION OVER THE

TRENCH BACKFILL

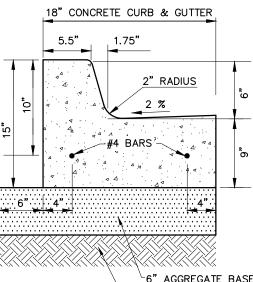
TRENCH BACKFILL SHALL BE PLACED IN CONFORMANCE WITH THE PLANS AND/OR SPECIFICATIONS TRENCH BACKFILL SHALL ALSO BE INSTALLED IN CONFORMANCE WITH THE COMMUNITY REQUIREMENTS OR AGENCY/UTILITY GOVERNING SAID TRENCH CONSTRUCTION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.

EARTH BALANCE / GRADING

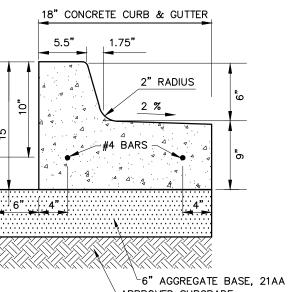
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHETHER THE SITE EARTHWORK BALANCES OR NOT. ANY EXCESS CUT MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR. IN A LIKE MANNER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT APPROVED FILL MATERIAL AND PLACE IT AS REQUIRED TO ATTAIN THE SITE GRADE AND COMPACTION REQUIREMENTS PER THE ENGINEER'S PLAN AND ALL APPLICABLE GOVERNMENTAL STANDARDS. THE ENGINEER AND OWNER MAKE NO REPRESENTATION AS TO THE QUANTITIES THAT MAY BE NEEDED TO CREATE A BALANCED EARTHWORK CONDITION OR THAT THE

SOIL EROSION / SEDIMENTATION CONTROL

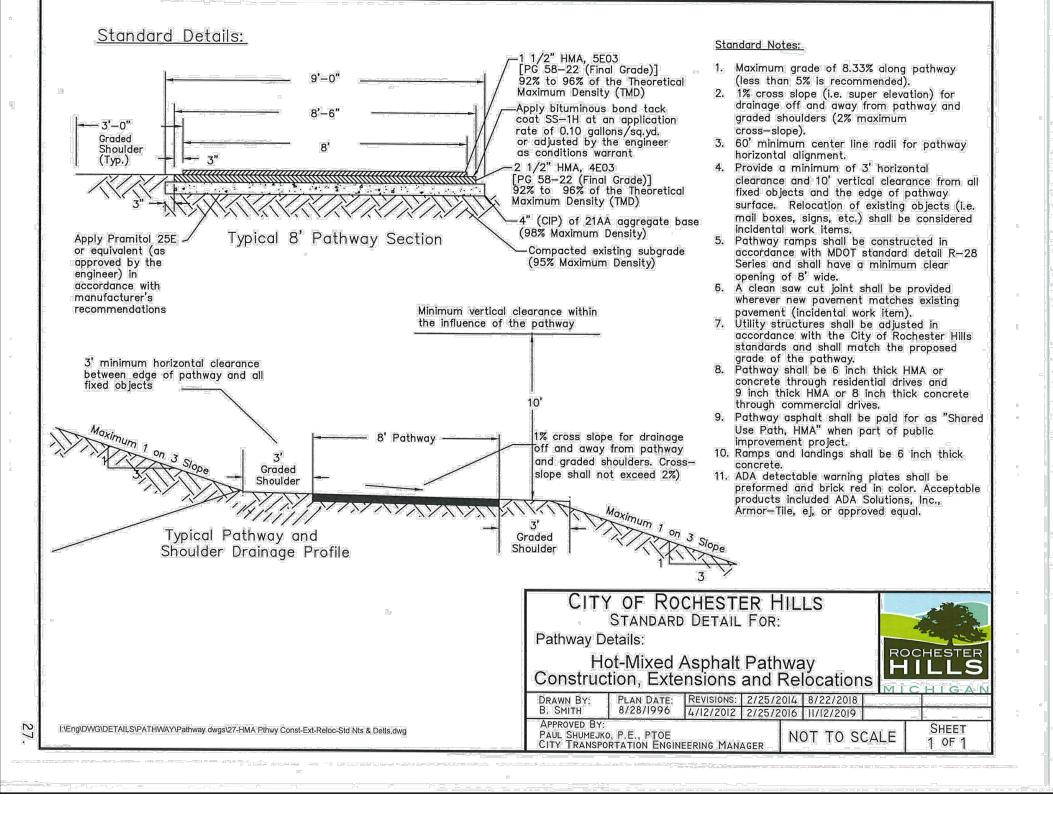
HE CONTRACTOR SHALL OBTAIN THE REQUIRED SOIL EROSION PERMIT AND SATISFY ALL REGULATORY REQUIREMENTS FOR CONTROLLING SOIL EROSION AND SEDIMENT TRANSPORT. THE CONTRACTOR $^{
m II}$ RESPONSIBLE FOR THE MEANS AND METHODS. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR INSPECTION OR APPROVAL OF THE CONTRACTOR'S WORK IN CONNECTION WITH SATISFYING THE SOIL EROSION PERMIT REQUIREMENTS UNLESS SPECIFICALLY STATED IN THE CONTRACT DOCUMENTS.



[∟]6" AGGREGATE BASE, 21AA -APPROVED SUBGRADE CONCRETE CURB DETAIL 'A



APPROVED SUBGRADE CONCRETE CURB DETAIL 'B



6.0'

| **−** 5.0' - |

CURB DROP DETAIL

FOR DRAINAGE & MAINTENANCE ACCESS

N.T.S.

PROOF-ROLLED SUB BASE

~8" CONCRETE PAVEMENT (3500 PSI MIN.)

PROOF-ROLLED SUB BASE

8" CONCRETE PAVEMENT SECTION

EQUIPMENT SUPPORT PADS

WALK WIDTH AS CALLED FOR ON PLANS

1/4" PER FOOT TOWARD STREET

4" CONCRETE SIDEWALK SECTION

TYPICAL: 6" PERFORATED UNDERDRAIN, SET INVERT

2.5 FT. (MINIMUM) BELOW RIM ELEVATION. BASE QUANTITY EQUALS 30-40 L.F. PER STRUCTURE.

UNDERDRAIN DETAIL

PROOF-ROLLED SUB BASE

TYPICAL: 9'-10' DIA., 6" DIAMETER

PERFORATED UNDERDRAIN WRAP

AROUND STRUCTURE W/ 3' TAP CONNECTION IN ONE LOCATION.

√8" AGGREGATE BASE, 21AA LIMESTONE

9" CONCRETE PAVEMENT SECTION

DRIVE APPROACH

N.T.S.

4 4 4 4 4 4 4 4 4 4 4 4

∕9" CONCRETE PAVEMENT (3500 PSI MIN.)

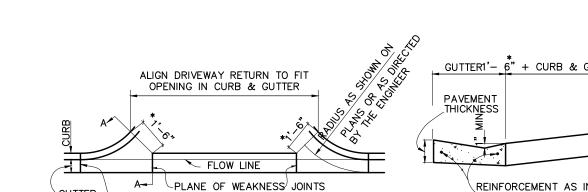
78" AGGREGATE BASE, 21AA LIMESTONE

4 4 4

T/C 100.00 ¬

~T/C 100.00

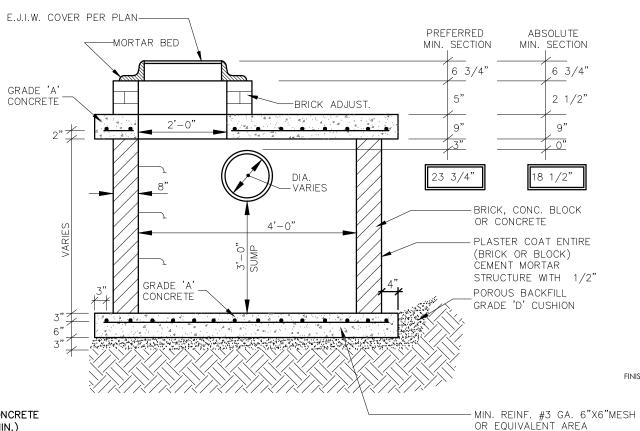
∕-GU 99.50

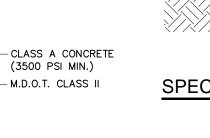


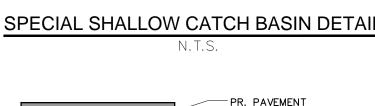
MDOT DRIVEWAY OPENING DETAIL 'M

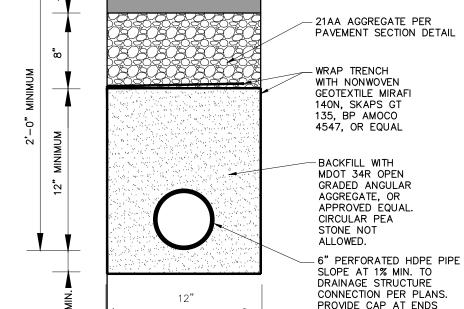
FACE OF INTEGRAL CURB

 \sim 1" EXPANSION JOINT * TO EDGE OF GUTTER OR

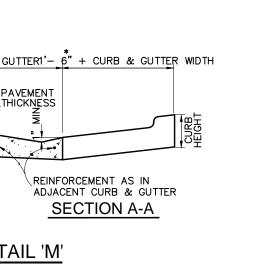




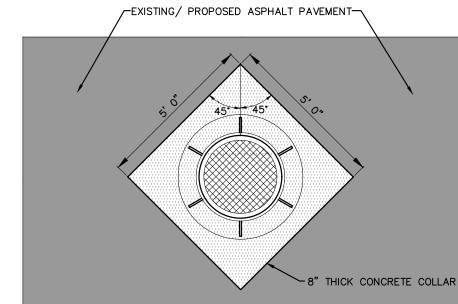




PERFORATED UNDERDRAIN TRENCH DETAIL



_EXISTING/ PROPOSED ASPHALT PAVEMENT-



PER PLAN

SLOPE 1/8" PER FT. (MAX.)

[∟]6" AGGREGATE BASE, 21AA

LAPPROVED SUBGRADE

~8" AGGREGATE BASE, 21AA LIMESTONE

~8" AGGREGATE BASE, 21AA LIMESTONE

EXISTING/PROPOSED

ASPHALT PAVEMENT

TOOLED JOINT

6" MONOLITHIC CURB AND WALK

-BOND COAT - SS IH 0.10 GAL/SQ. YD.

 $^{\prime}$ _BOND COAT - SS IH 0.10 GAL/SQ. YD.

/-BOND COAT - SS IH 0.10 GAL/SQ. YD.

/−1.5" M.D.O.T. No. 5E3

∕-2.5" M.D.O.T. No. 4E3

ASPHALT PAVEMENT SECTION

(DRIVE AND PARKING)

_2.0" M.D.O.T. No. 5E3

/-3.0" M.D.O.T. No. 3E3

/-4.0" M.D.O.T. No. 2E3

9.0" ASPHALT PAVEMENT SECTION

(FOR SOUTH BLVD. R.O.W. PAVING)

8" THICK CONC. COLLAR

DRAINAGE STRUCTURE BOXOUT DETAIL

DRAINAGE STRUCTURE PER-

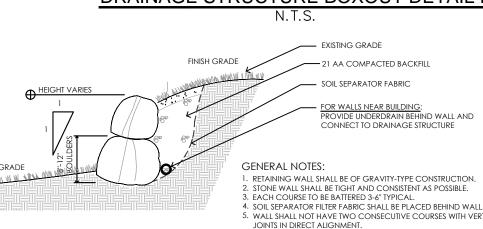
MUNICIPALITY STANDARD

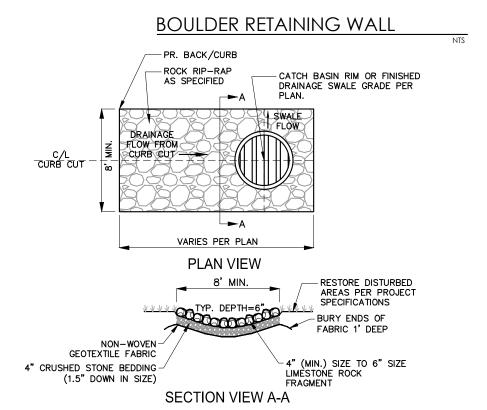
PR. CONCRETE

SECTION

CURB & GUTTER

DRAINAGE STRUCTURE BOXOUT DETAIL II





MAINTENANCE NOTE: ROCK CHANNELS SHALL HAVE VEGETATION REMOVED MONTHLY OR AS-NEEDED. CHEMICAL WEED KILLERS SHOULD BE AVOIDED TO PREVENT ENTRY INTO STORM SEWER SYSTEM. ROCK FRAGMENT RIP-RAP DRAINAGE CHANNEL DETAIL



NOWAK & FRAUS **ENGINEERS**

CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM

SEAL NOT FOR CONSTRUCTION PAUL **TULIKANGAS** FNGINFFR NO. ·. 057929 .• POFESSIONA are (who has

PROJECT Rochester Hills Surgery Center

CLIENT The Alan Group 1800 Brinston Dr. City of Troy, MI 48083

Contact: Jim Harding Ph. (248) 284-1512 Fax (248) 840-1100 Email iharding@thealangroup.com

PROJECT LOCATION Part of the S.W. $\frac{1}{4}$ of Section 36 T.3N., R.11E. City of Rochester Hills, Oakland County, Michigan

Notes and Details



DATE ISSUED/REVISED 12-17-19 ISSUED FOR PRELIMINARY REVIEW 1-7-20 SURVEY UPDATE 03-24-20 OWNERS REVIEW 04-15-20 SITE PLAN SUBMITTA 06-15-20 SITE PLAN SUBMITTAI 07-20-20 SITE PLAN SUBMITTAI

08-14-20 ENGINEERING REVIEW

10-16-20 SITE PLAN SUBMITTAL

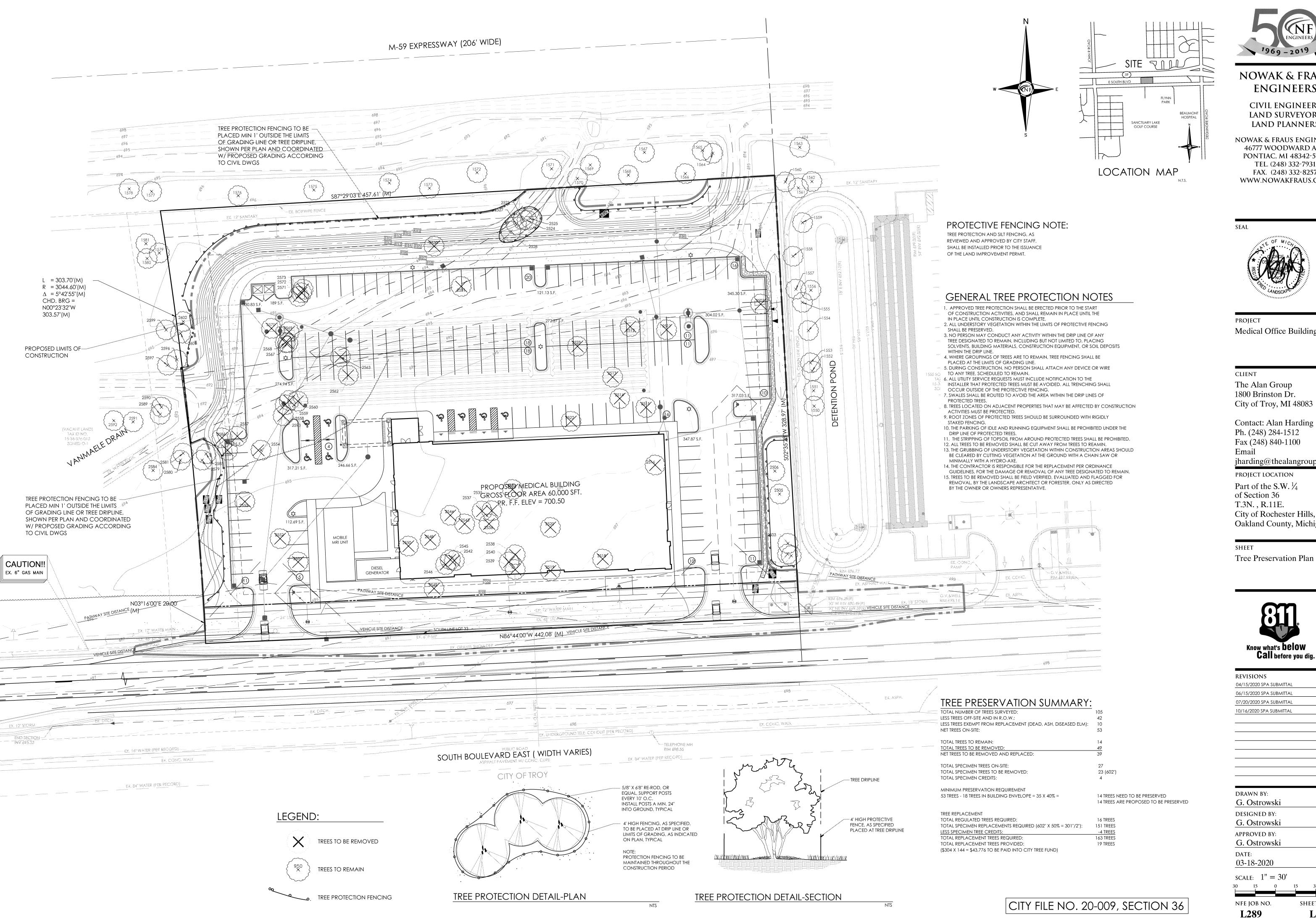
DRAWN BY: G. Viju **DESIGNED BY:** P. Tulikangas APPROVED BY: B. Buchholz

December 17, 2019 SCALE: N.T.S.

CITY OF ROCHESTER HILLS NFE JOB NO.

PROJECT #20-009, SEC. 36

SHEET NO. **C7**





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PROJECT Medical Office Building

CLIENT The Alan Group 1800 Brinston Dr. City of Troy, MI 48083

Ph. (248) 284-1512 Fax (248) 840-1100 Email jharding@thealangroup.com

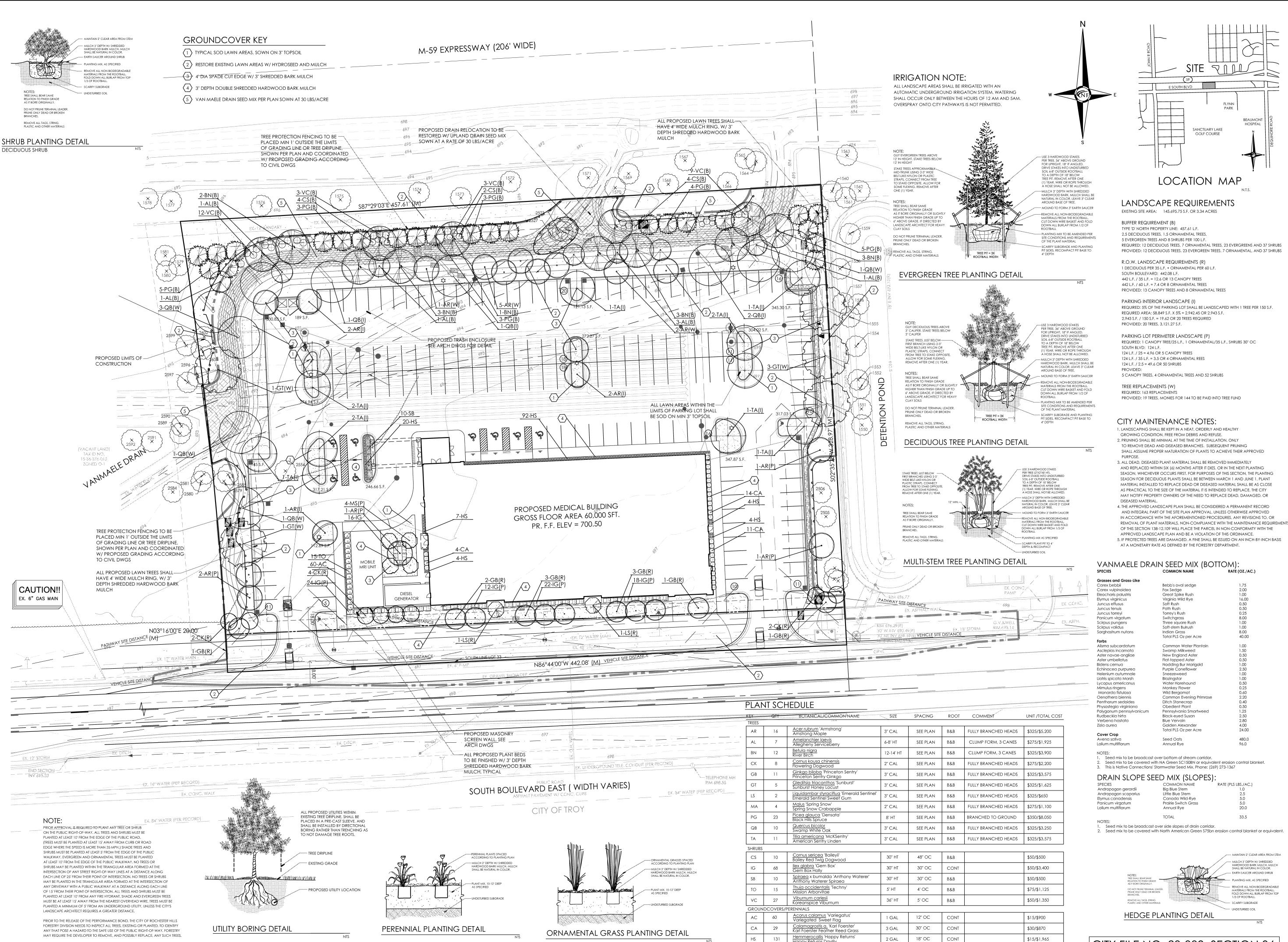
PROJECT LOCATION

Part of the S.W. $\frac{1}{4}$ of Section 36 T.3N., R.11E. City of Rochester Hills, Oakland County, Michigan

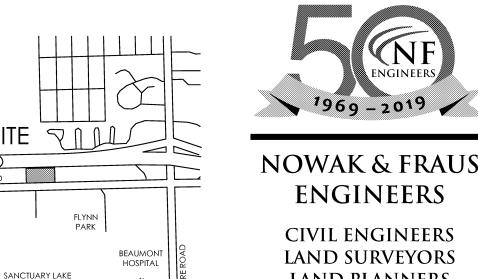
Tree Preservation Plan



04/15/2020 SPA SUBMITTAL 06/15/2020 SPA SUBMITTAL 07/20/2020 SPA SUBMITTAL 10/16/2020 SPA SUBMITTAL DRAWN BY: G. Ostrowski **DESIGNED BY:** G. Ostrowski APPROVED BY: G. Ostrowski DATE: 03-18-2020 SCALE: 1'' = 30'



THESE REQUIREMENTS ARE INCORPORATED INTO THE PLAN.



E SOUTH BLVD

LOCATION MAP

CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM



Medical Office Building

The Alan Group 1800 Brinston Dr. City of Troy, MI 48083

Contact: Alan Harding Ph. (248) 284-1512 Fax (248) 840-1100

jharding@thealangroup.com PROJECT LOCATION

Part of the S.W. $\frac{1}{4}$ of Section 36 T.3N., R.11E. City of Rochester Hills, Oakland County, Michigan

SHEET

Landscape Plan



REVISIONS 04/15/2020 SPA SUBMITTAL 06/15/2020 SPA SUBMITTAL 07/20/2020 SPA SUBMITTAL 10/16/2020 SPA SUBMITTAL DRAWN BY:

G. Ostrowski **DESIGNED BY:** G. Ostrowski APPROVED BY: G. Ostrowski

03-18-2020

L289

CITY FILE NO. 20-009, SECTION 36

\$15,000

1 LS COMPLETE IRRIGATION SYSTEM, INSTALLED

COMMON NAME

Virginia Wild Rye

Path Rush

Torrev's Rush

Switchgrass

Indian Grass

Soft-stem Bulrush

Common Water Plantair

New England Aster Flat-topped Aster

Purple Coneflower

Water Horehoun

Ditch Stonecrop

Dbedient Plant

Black-eyed Susan

Golden Alexander Total PLS Oz per Acre

Seed Oats

Little Blue Stem

Annual Rye

TOTAL

Canada Wild-Rye

Prairie Switch Grass

Common Evenina Pr

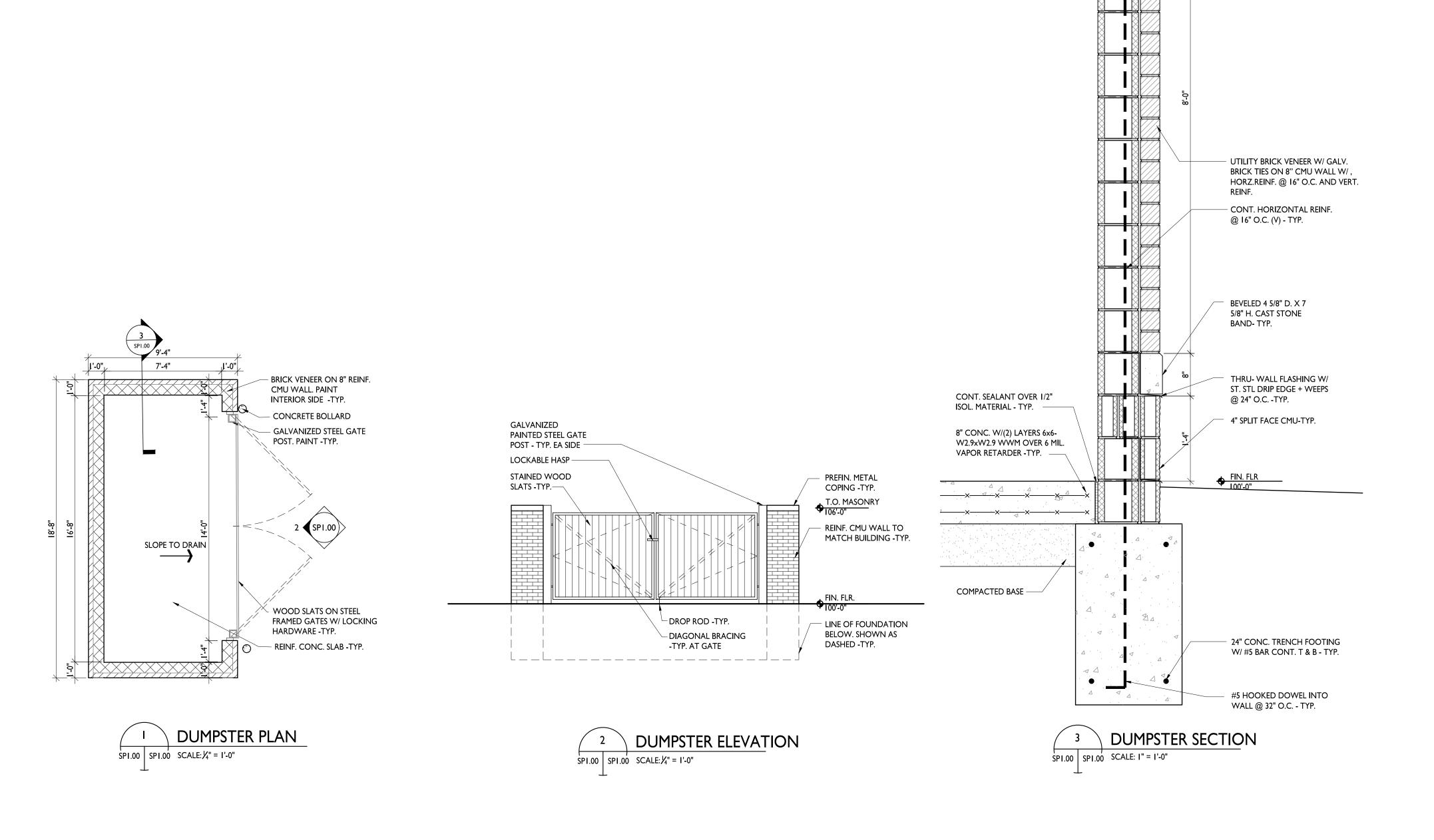
Pennsylvania Smartwee

RATE (OZ./AC.)

RATE (PLS LBS./AC.)

- EARTH SAUCER AROUND SHRUB

SCARIFY SUBGRADE

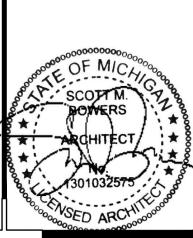


	SECTION		ng Code/2015 NFPA IOI REQUIRED/ALLOWED		PROVIDED/ACTUAL
Jurisdiction Building Location	-				Rochester Hills, Michigan East South Boulevard
Building Description	302			В	Outpatient Surgical Center Building Use Group: Business: Ambulatory
Min. Constr. Type	T-503 903.3.1.1		Construction Type from T-503 NFPA-13 (SM)	2B	Floor 1-3
GENERAL BUILDING HE	EIGHTS AND) AREAS			
	T-504.3	75	enter allowable building height in feet	42	Feet Actual
Allowable Bldg. Stories ALLOWABLE AREA BA			enter allowable building height in stories STRUCTION TYPE: T-506.2	3	Stories Actual (S _a)
Allow. Floor Area/Use 1	B (S1)		Allowable area (SM) (NS)	69,000 23,000	s.f.
Frontage Increase	506.3		F: open perimeter (feet) P: entire perimeter (feet)	2,000	
	frontage		W: minimum width of public way (feet) (F/P25)*(W/30)	30 0.75	
SINGLE OCCUPANCY/N		ŔΥ	A_a (Allowable Total s.f. of All Firs) = $(A_t + (NS * I_f)) * S_a$		s.f. Actual Total of All Floors
SPECIAL REQUIREMEN	L NTS BASED			,	
Atriums	404.2 404.3		Atrium Use Automatic Sprinkler System		provided
	404.4 404.5		Fire alarm system per 907.2.14 Smoke Control		provided per ambulatory care for atriums connecting 2 stories
	404.6 404.7		Enclosure of Atrium Standby power		hr fire barrier no smoke control required
	404.8 404.9		Interior Finish Travel distance		not less than Class B (at walls + ceiling) for fully sprinkled per NFPA 13
	404.1 602	2B	Interior Exit Stairway Construction classification	N/A	
	T-601 T-601		Structural Frame Bearing Walls-Exterior		
	T-601 T-601	0	Bearing Walls-Interior Nonbearing walls and partitions: Exterior (see T-602)		
	T-601	0	Nonbearing walls and partitions: Interior Floor Construction		
Type I and II Comb Mat'l	T-601	0	Roof construction (supporting beams and joists) Allowable Material		
FIRE RESIST. RATING + TESTS			Ratings/Combustibility Alternative methods		
EXTERIOR WALLS	T-601, T-602 704.10, 705.) -,	North East	>30' >30'	191' 29'
	704.10, 705. 706.5.1, 707 708.6, 709.5	'.4 <u>,</u>	South West	>30' >30' >30'	
	708.6, 709.5 T-705.8 705.8.5		Opening Protection		no limit for sprinkled/ unprotected
FIRE BARRIERS	707.3.1		Vertical Separation of Openings Shaft Enclosures	1	fully sprinkled hr
	707.3.2 707.3.3		Interior Exit Stairway Exit Access Stairway	1	hr hr
	707.3.4		Exit passageway Horizontal exits	1	hr (N/A) hr (N/A)
	707.3.6		Atriums Incidental use areas	1	hr hr
	711.2.3		Horizontal Assemblies Horizontal Assemblies Supporting Construction		for smoke compartments 4 supporting steel not required for 2B
	711.2.4 712.1.1		Fire Resistance Rating Shaft Enclosures	1	hr
SHAFTS	712.1.9 713.4		Two Story Openings Fire Resistance Rating	1	hr hr
	713.14 713.14.1		Elevator, dumbwaiter, and other hoist ways Fire partitions: Elevator Lobby	1 N/R	hr 3 stories or less
	Fire Suppres 903.2.2	sion	Group B ambulatory health care facilities		Fire Suippression Required
	903.2.11.3 T-903.2.11.6		Buildings over 30 feet high Additional required systems		Required
	IFC 903.2.15 903.3.1.1		International Fire Code NFPA 13 System		
STANDPIPE SYSTEMS	903.4 905.2		Sprinkler System Monitoring and alarms Installation standards		
	905.3.1		Building height Portable Fire Extinguisher	N/R	highest flr @ 28' (<30) locations per fire marshal/per NFPA10
	IFC-906.1		Required locations - IFC		Toolation por mile maioritain por mile 7470
FIRE ALARM +	907.1.1		Construction documents		
DETECTION SYSTEMS	907.2.2		Business		Required with ambul. Care
	907.2.14 907.3-7		Atriums connecting more than 2 stories Activation/Presignal/Notification/Installation/Tests		N/R is only connects 2 story
EMER. ALARM SYSTEMS SMOKE CONTROL SYS			Detection system applicable Where required (402.10, 403.4.6, 403.5.4, 404.5, 405.5,		not required for 2 story atrium
	T-1004.1.2		Accessory storage areas, Mechanical equip.room (s.f.) gross s.f. per occupant	0	occupants
			Business areas (s.f.) gross s.f. per occupant	0	occupants
		20000	Institutional: Outpatient areas		
			gross s.f. per occupant SUBTOTAL OCCUPANT LOAD		occupants occupants per fir
Egress Width per Occ. 1005.3, 1005.5	Stairs	30	All other occupancies (inch/occ.) (0.2 w/sprink + voice) inches per stair for 50% req'd capacity for individual flr	48	inches Provided
	Corridors	20	All other occupancies (0.15 w/ fire supp. + emerg. voice) inches per corridor for 50% required capacity	72	inches Provided
	Doors		All other occupancies (0.15 w/ fire supp. + emerg. voice) inches total		inches Provided
Min. Corridor Width	T-1020.2		See Chart	72	inches for stretchers
i			•		
	1010.1.1		Min. 32" clear opng. Max. 48" door leaf	96" 36"	req'd per MI Health Care Design Standard Provided
	1010.1.1 1003.2 1003.3	Min. 7'-6"	Min. 32" clear opng. Max. 48" door leaf Ceiling Height Headroom		
MEANS OF EGRESS	1003.2	Min. 7'-6" 80" min.	Ceiling Height	36"	
MEANS OF EGRESS OCCUPANT LOAD	1003.2 1003.3 1003.5	Min. 7'-6" 80" min.	Ceiling Height Headroom Elevation Change	36" Req'd	Provided
MEANS OF EGRESS OCCUPANT LOAD	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6	Min. 7'-6" 80" min.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence	36" Req'd	for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2	Min. 7'-6" 80" min.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity	36" Req'd	for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1	Min. 7'-6" 80" min.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel	36" Req'd 50% 7"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1	Min. 7'-6" 80" min. 1 1/2" max.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement	36" Req'd 50%	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided
DCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIGE EXIT CONFIGURATION	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3	Min. 7'-6" 80" min. 1 1/2" max.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc)	36" Req'd 50% 7" 3	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided
DCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIGE EXIT CONFIGURATION	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1	Min. 7'-6" 80" min. 1 1/2" max.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level	36" Req'd 50% 7"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN.	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3.4	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration	36" Req'd 50% 7" 3 2	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min.
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN.	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1008.3.4	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories	36" Req'd 50% 7" 3 2 90 3 N/R	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3.4	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.)	36" Req'd 50% 7" 3 2 90 3 N/R N/R	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13)
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1009.1 1009.2.1 1009.3 1013.1 1013.3	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1009.1 1009.2.1 1009.3 1013.4 1014.2 1014.4	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) extemally or internally
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS	1003.2 1003.3 1003.3 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1009.1 1009.2.1 1009.3 1013.1 1013.3 1013.4	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) extemally or internally
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1009.1 1009.2.1 1009.3 1013.1 1013.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd Req'd	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS HANDRAILS	1003.2 1003.3 1003.3 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1009.1 1009.2.1 1009.3 1013.1 1013.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8 1014.9 1015.2	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave. 2 48" 30" max. Req'd	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions Clearance Projections Intermediate Handrails 30" hgt diff within 36" horiz to edge of open side	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd 12" 1 1/2"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd widtl exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors horiz at top + (1) tread at bottom min. clearance from wall
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS HANDRAILS GUARDS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1009.1 1009.2.1 1009.3 1013.1 1013.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8 1014.9 1015.2 1015.3 1015.4	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave. 2 48" 30" max. Req'd 42" min.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions Clearance Projections Intermediate Handrails 30" hgt diff within 36" horiz to edge of open side Height Opening Limitations	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd 12" 1 1/2"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors horiz at top + (1) tread at bottom min. clearance from wall
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.2.1 T-1006.3.1 1007.1.1 1008.2 1008.3 1009.1 1009.2.1 1009.3 1013.1 1013.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8 1014.9 1015.2 1015.3	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave. 2 48" 30" max. Req'd 42" min.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions Clearance Projections Intermediate Handrails 30" hgt diff within 36" horiz to edge of open side Height	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd 12" 1 1/2" 1 1/2"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors horiz at top + (1) tread at bottom min. clearance from wall
MEANS OF EGRESS OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS HANDRAILS GUARDS EXIT ACCESS EXIT TRAVEL DIST AISLES	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1009.1 1009.2.1 1009.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8 1014.9 1015.2 1015.3 1015.4 1016.2 T-1017.2	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave. 2 48" 30" max. Req'd 42" min. 4" max.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stainways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions Clearance Projections Intermediate Handrails 30" hgt diff within 36" horiz to edge of open side Height Opening Limitations Egress Through Intervening Spaces Exit access travel distance Aisles	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd 12" 1 1/2" 1 1/2"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors horiz at top + (1) tread at bottom min. clearance from wall min. clearance from wall
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS HANDRAILS GUARDS EXIT ACCESS EXIT TRAVEL DIST AISLES EXIT ACCESS STAIRS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1009.1 1009.2.1 1009.2.1 1009.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8 1014.9 1015.2 1015.3 1015.4 1016.2 T-1017.2	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave. 2 48" 30" max. Req'd 42" min. 4" max.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stairways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions Clearance Projections Intermediate Handrails 30" hgt diff within 36" horiz to edge of open side Height Opening Limitations Egress Through Intervening Spaces Exit access travel distance Aisles Exit Access Stairways and Ramps Corridor fire -resistance rating (by use group)	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd 12" 1 1/2" 1 1/2" 172'	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors horiz at top + (1) tread at bottom min. clearance from wall min. clearance from wall Actual Actual
OCCUPANT LOAD EGRESS SIZING EXIT NUMBER/CONFIG EXIT CONFIGURATION EGRESS ILLUMIN. ACCESS. MEANS OF EGRESS EXIT SIGNS HANDRAILS GUARDS EXIT ACCESS EXIT TRAVEL DIST AISLES EXIT ACCESS STAIRS	1003.2 1003.3 1003.5 1004.3 1005.4 1005.5 1005.6 1005.7.1 1005.7.2 1006.2 T-1006.3.1 1007.1.1 1008.2 1008.3 1008.3 1009.1 1009.2.1 1009.3 1013.4 1014.2 1014.4 1014.6 1014.7 1014.8 1014.9 1015.2 1015.3 1015.4 1016.2 T-1017.2	Min. 7'-6" 80" min. 1 1/2" max. 1 fc 1 fc ave. 2 48" 30" max. Req'd 42" min. 4" max.	Ceiling Height Headroom Elevation Change Posting of Occupant Load Continuity Distribution of Egress Capacity Egress Convergence Door and hardware encroachment Other Projections Number of Exits Spaces with One Exit and Common Path of Travel Exits from Stories Required, 2 exits Door Arrangement Illumination Level Emergency Power Illumination Level (min. 0.1 fc) Duration min. accessible means of egress => 2 egress req'd Elevator required => 5 stories Stainways Min. Clear Between Handrails w/o Fire Supp. Exit Sign: 100' Max Spacing (illuminated 5 f.c.) Illumination Raised Character and Braille Handrails: 34" aff < height < 38" aff Continuity Handrail Extensions Clearance Projections Intermediate Handrails 30" hgt diff within 36" horiz to edge of open side Height Opening Limitations Egress Through Intervening Spaces Exit access travel distance Aisles Exit Access Stairways and Ramps	36" Req'd 50% 7" 3 2 90 3 N/R N/R Req'd Req'd 12" 1 1/2" 1 1/2"	Provided for assembly uses at main exit. occ. req'd for remaining exits if 1 exit lost max. fully open. Max. 1/2 redux req'd width exits Provided 100' max common path exits Provided minutes duration min. provided 3 stories fully sprinkled (NFPA 13) externally or internally at Area of Refuge and exit doors horiz at top + (1) tread at bottom min. clearance from wall min. clearance from wall Actual

4" PRECAST CONC. CAP SLOPE TO DRAIN - TYP.

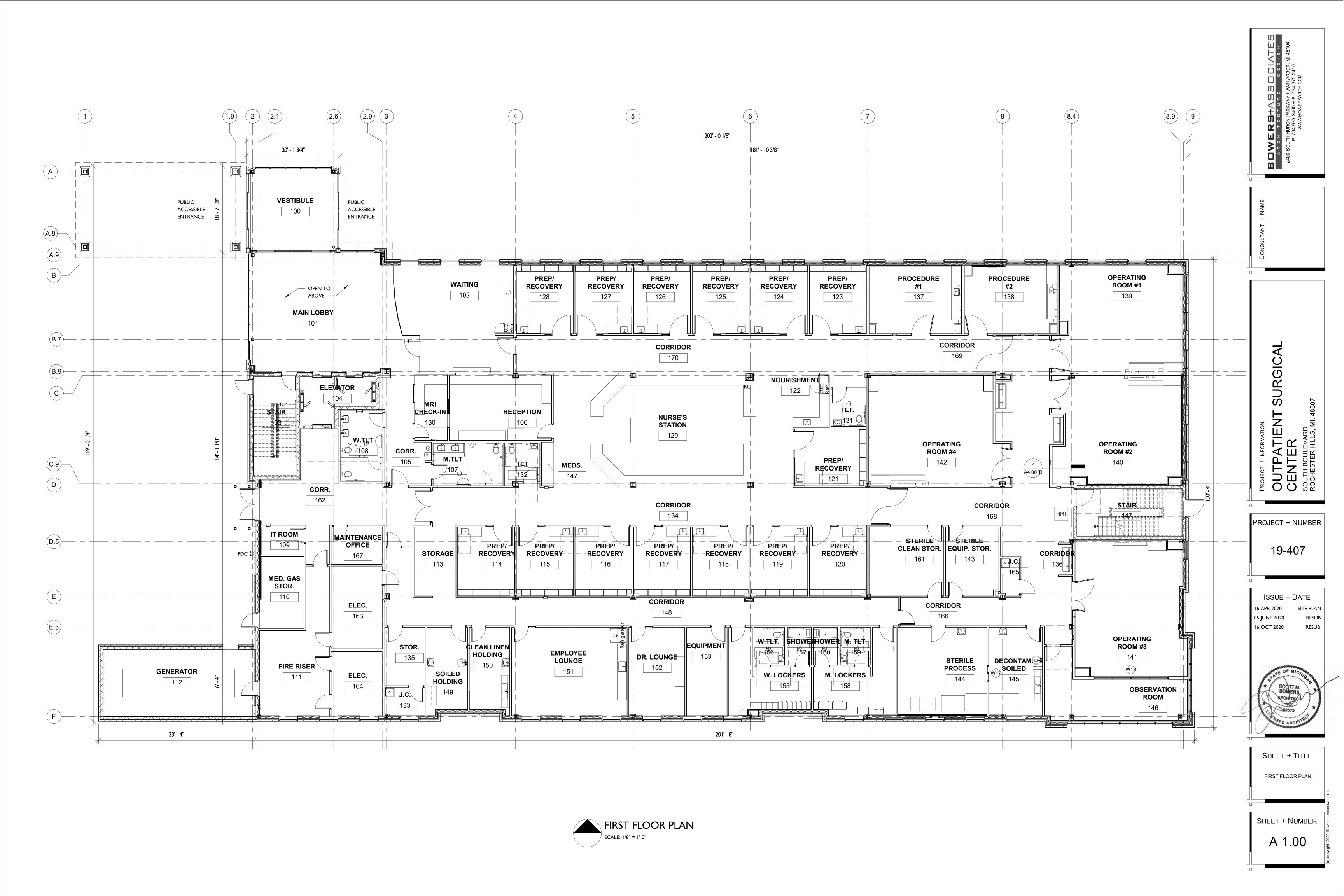
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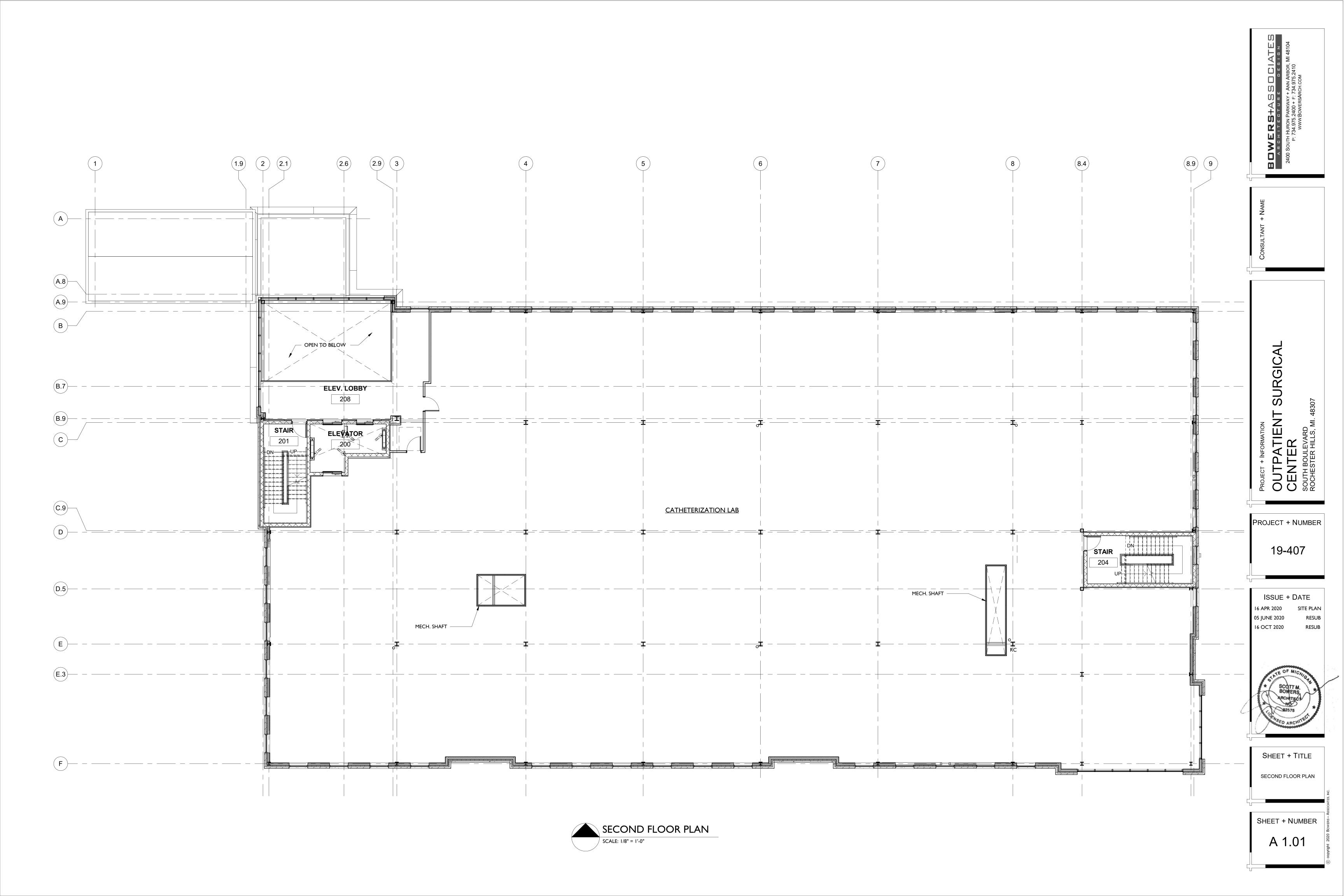
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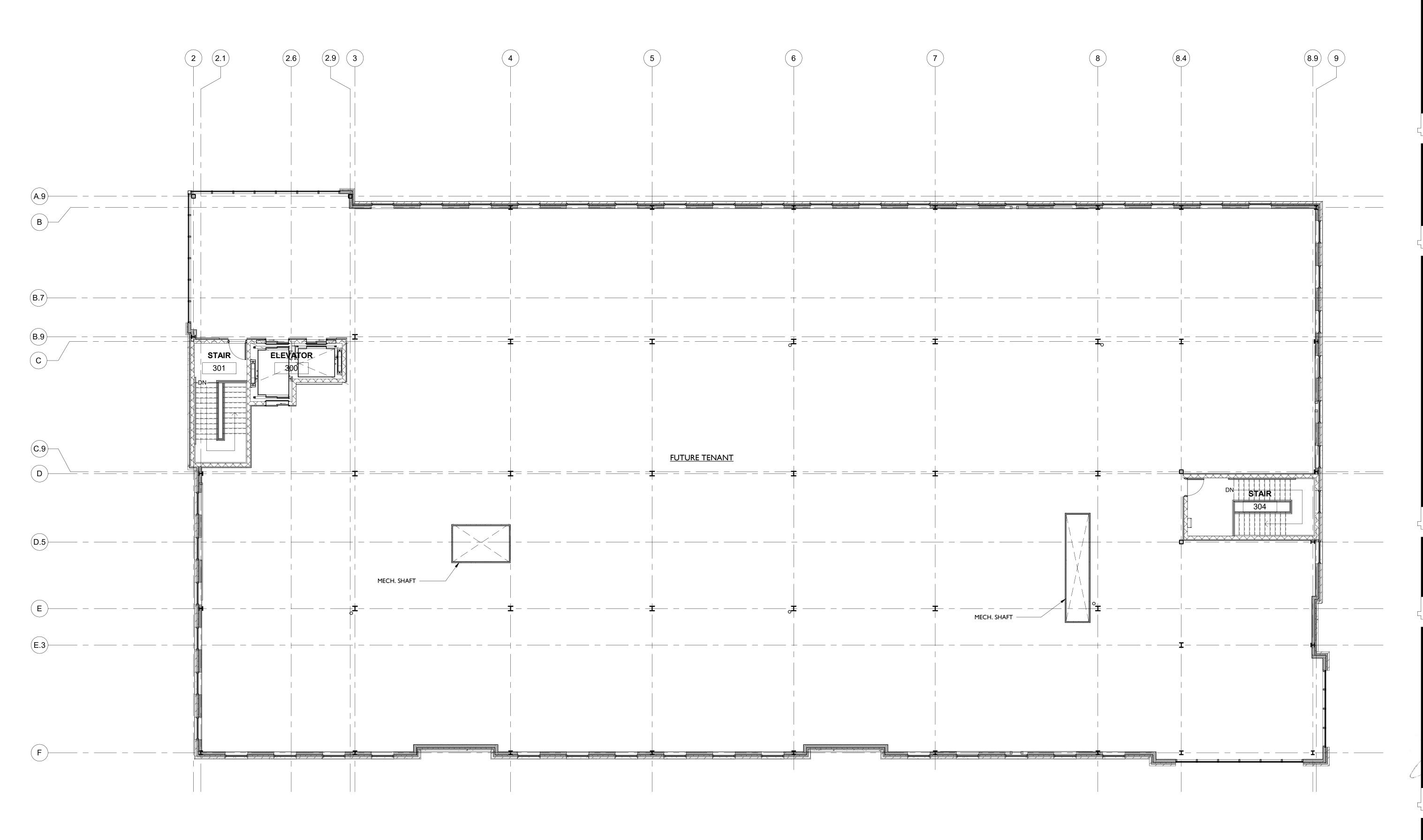


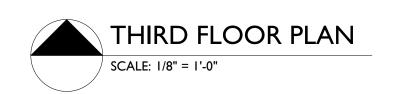
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SHEET + NUMBER SP1.00









BOWERS+ASSOCIATE

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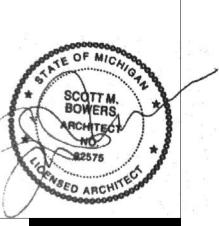
OUTPATIENT SURGICAL
CENTER
SOUTH BOULEVARD
ROCHESTER HILLS, MI. 48307

PROJECT + NUMBER

19-407

ISSUE + DATE

16 APR 2020 SITE PLAN
05 JUNE 2020 RESUB
16 OCT 2020 RESUB



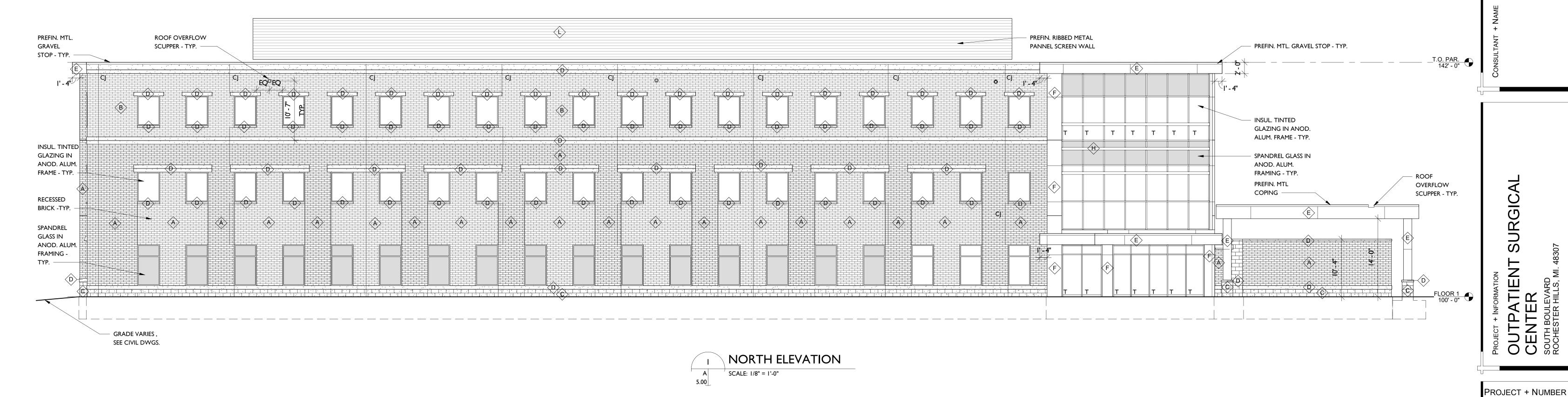
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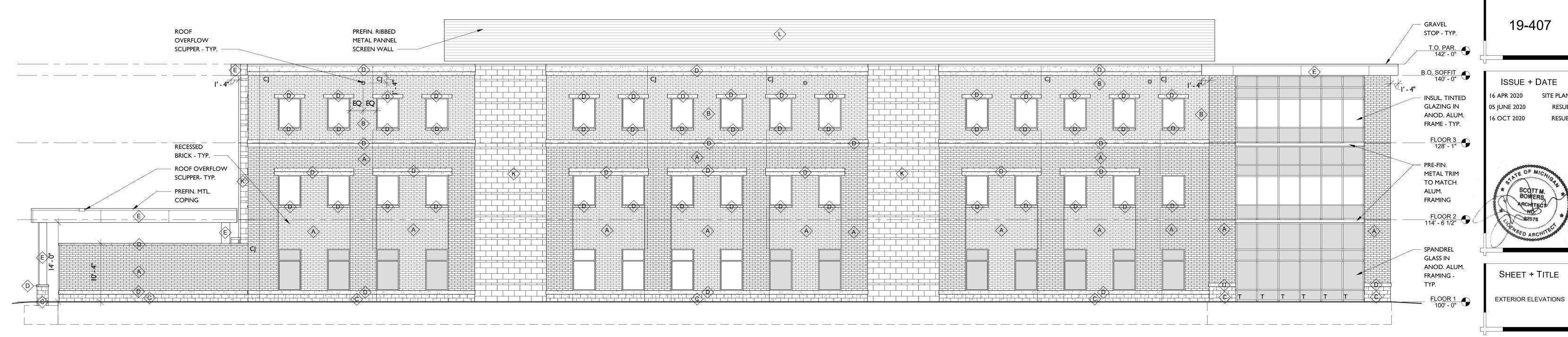
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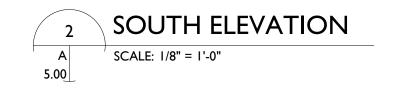
EXTERIOR FINISH LEGEND						
TAG	MATERIAL	MANUF/STYLE	COLOR			
Α	UTILITY BRICK	SOUIX CITY	CRANBERRY COLONIAL IRONSPOT			
В	UTILITY BRICK	BELDEN	IVORY BAY			
С	SPLIT FACE CMU	GRAND BLANC	NATURAL LIMESTONE			
D	CAST STONE BAND	ROCK CAST	CRYSTAL WHITE			
Е	PRE-FIN. METAL PANEL	ATAS OR SIMILAR	CLEAR ANODIZED			
F	PRE-FIN, METAL PANEL	ATAS OR SIMILAR	CLEAR ANODIZED			
G	PAINT	TBD	TBD			
Н	ALUM FRAME	KAVNEER	CLEAR ANODIZED			
J	METAL COPING	TBD	MATCH METAL PANEL E			
K	CAST STONE MASONRY	ROCK CAST	SMOKE HOUSE			
L	PREFIN RIBBED MTL, PANEL	PAC CLAD	TO MATCH METAL PANEL E			

GENERAL NOTES: \cdot ALL SIGNS MUST MEET THE REQUIREMENTS OF CHAPTER 134 OF THE CITY CODE OF ORDINANCES AND BE APPROVED UNDER A SEPARATE PERMIT ISSUED BY THE BUILDING DEPARTMENT

 \cdot ALL HEATING, VENTILATION, AND AIR CONDITIONING MECHANICAL EQUIPMENT LOCATED ON THE EXTERIOR OF THE BUILDING SHALL BE SCREENED FROM ADJACENT STREETS AND PROPERTIES







SHEET + NUMBER

RESUB

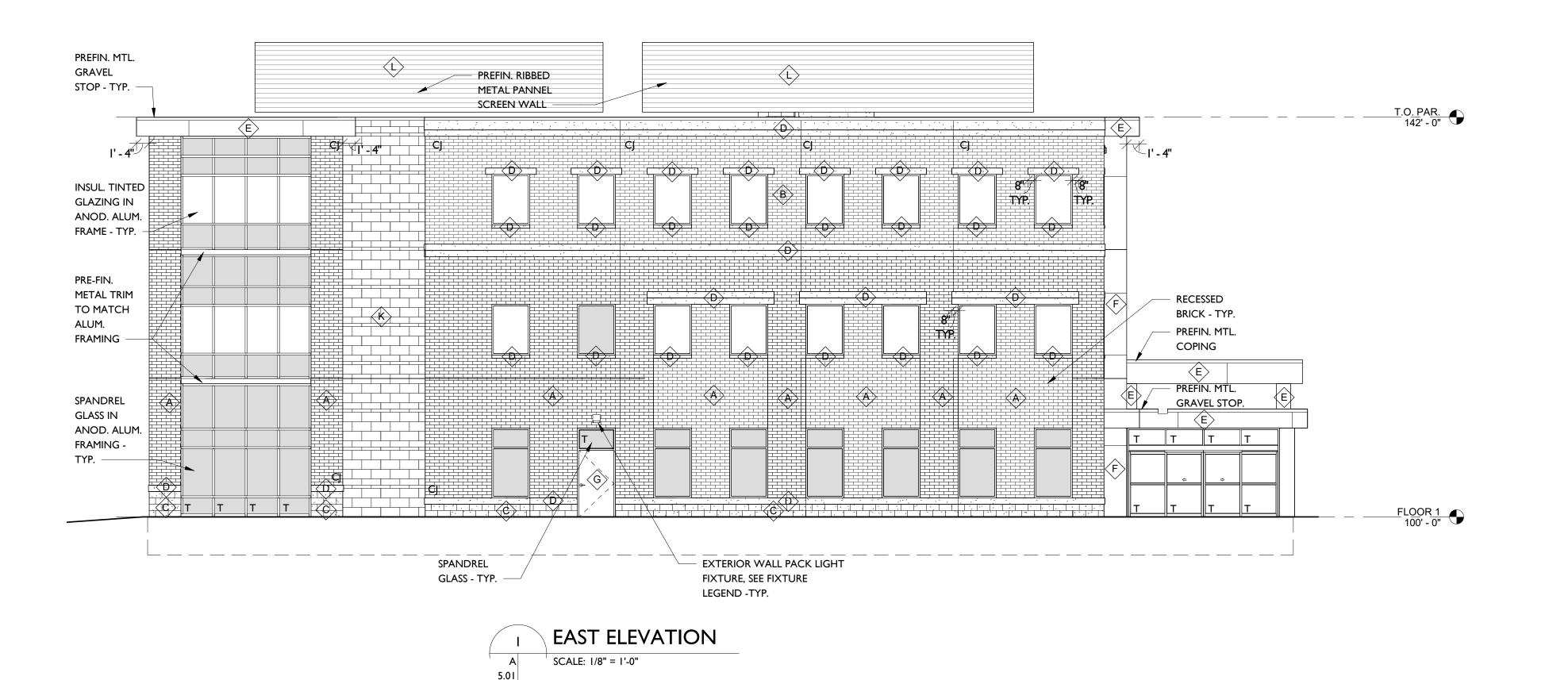
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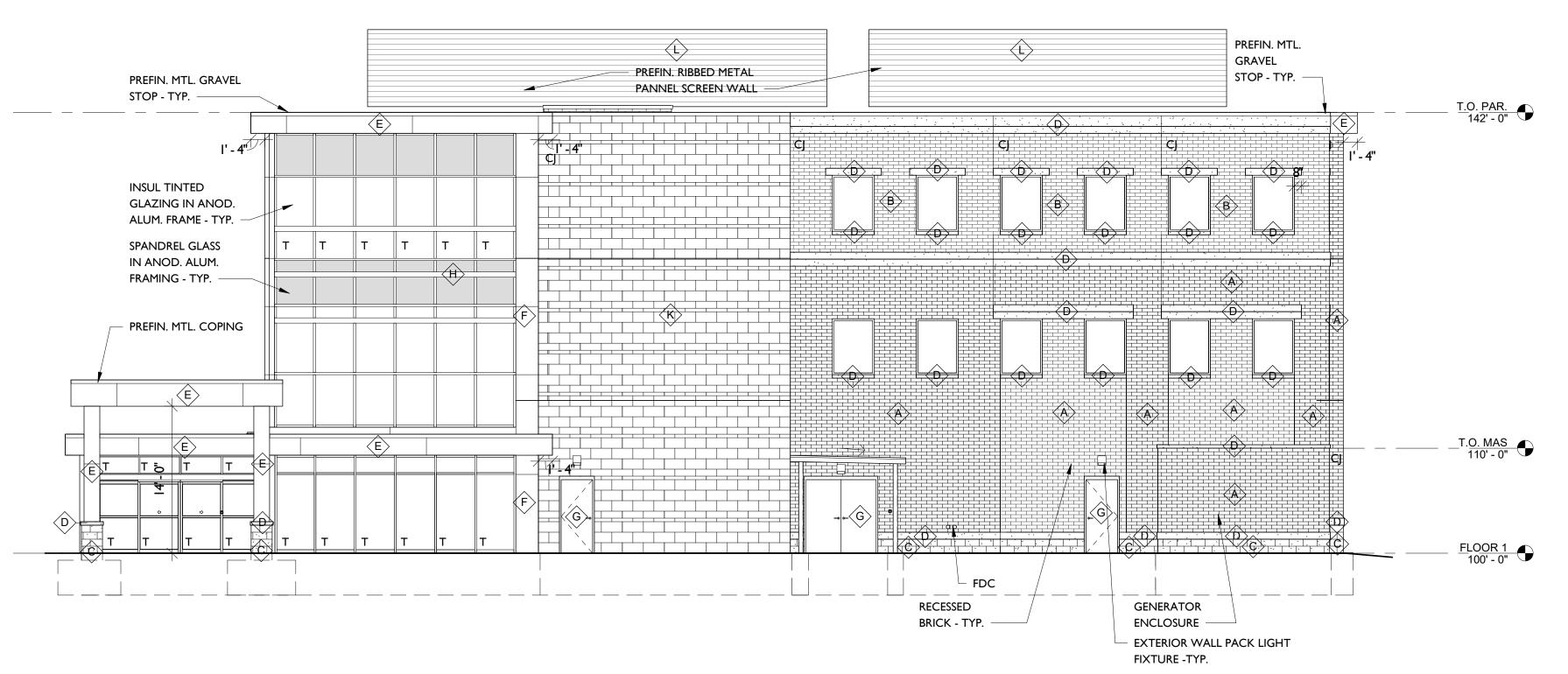
EXTERIOR FINISH LEGEND								
TAG	MATERIAL	MANUF/STYLE	COLOR					
Α	UTILITY BRICK	SOUIX CITY	CRANBERRY COLONIAL IRONSPOT					
В	UTILITY BRICK	BELDEN	IVORY BAY					
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D	CAST STONE BAND	ROCK CAST	CRYSTAL WHITE					
Е	PRE-FIN, METAL PANEL	ATAS OR SIMILAR	CLEAR ANODIZED					
F	PRE-FIN, METAL PANEL	ATAS OR SIMILAR	CLEAR ANODIZED					
G	PAINT	TBD	TBD					
Н	ALUM FRAME	KAVNEER	CLEAR ANODIZED					
J	METAL COPING	TBD	MATCH METAL PANEL E					
K	CAST STONE MASONRY	ROCK CAST	SMOKE HOUSE					
L	PREFIN RIBBED MTL, PANEL	PAC CLAD	TO MATCH METAL PANEL E					

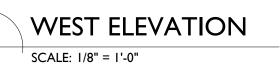
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EQUIPMENT LOCATED ON THE EXTERIOR OF THE BUILDING SHALL BE
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A 5.01 PROJECT + INFORMATION

OUTPATIENT SURGIC

CENTER

SOUTH BOULEVARD
ROCHESTER HILLS, MI. 48307

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EXTERIOR ELEVATIONS

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A 5.01