# TENANT IMPROVEMENTS FOR: JUAN BLANCO'S TACOS + TEQUILA

1655 E. AUBURN ROAD ROCHESTER HILLS, MI 48307

**Development** MICHIGA Reviewed for compliance with City Ordinance, Building and Fire Codes onditions and mark-ups noted throughout plan set must be addressed prior to fina Department Assessing Building Engineering Utilities Engineering Legal Lt. Josh Boyce 248-841-2713 Fire Matt Einheuser 248-841-2551 Natural EinheuserM@RochesterHills.org Resources athway sight line is Chris McLeod 248-841-2572 Planning ept clear of table ncleodc@RochesterHills.org and chairs if at all Traffic SYMBOL LEGEND

PRINT DATE: March 28, 2023

EXTERIOR SIGNAGE TO BE SUBMITTED UNDER SEPARATE PERMIT.

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O PREVIOUSLY ISSUED

⊕ REFERENCE ONLY

For all conditional uses, a "Conditional Use Proposed Sign" shall be placed onsite no less than fifteen (15) days prior to the public hearing date. Such sign shall be compliant with Section 138-1.203 of City Ordinances.

Landscape cost estimate provided = \$4,550. Performance bond of this amount plus inspection fees will be required

Prior to the release of the performance bond, the City of Rochester Hills must inspect all landscaping plantings

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ISSUED FOR

SPA REVIEW

SPA REVIEW

SPA REVIEW 02.15.2023

SPA REVIEW 03.28.2023

01.17.2022

06.15.2022

REVIEW

REVIEW

REVIEW

### **PROJECT TEAM**

#### TENANT / CLIENT:

DENI BOZINOVSKI 1711 F AUBURN ROAD ROCHESTER HILLS, MI 48307 PH: (248) 606-4479

#### **ARCHITECT:**

ARCHITECTURAL PLANNERS INC. 5101 WILLIAMS LAKE ROAD WATERFORD, MI 48329 PH: (248) 674-1340

#### CIVIL ENGINEER:

CHIPPEWA CONSULTING 42185 KYLE DRIVE CLINTON TWP, MI 48038 PH: (586) 854-3439

#### **BUILDING DEPARTMENT:**

CITY OF ROCHESTER HILLS 1000 ROCHESTER HILLS DR ROCHESTER HILLS, MI 48309

#### **HEALTH DEPARTMENT**

PH: (248) 656-4615

PH: (248) 424-7190

OAKLAND COUNTY HEALTH DIVISION 27725 GREENFIELD ROAD SOUTHFIELD, MI 48076

## **PROJECT NOTES**

CITY OF ROCHESTER HILLS ZONING DISTRICT CI - COMMERCIAL IMPROVEMENT (PARCEL ID: 15-25-457-025, LOTS 800 & 801) **BD** - BROOKLANDS DISTRICT

#### DEFERRED SUBMITTALS (MBC 107.3.4.1).

- FIRE SPRINKLER DRAWINGS FOR AUTOMATIC SPRINKLER SYSTEM SHALL BE SUBMITTED BY FIRE SPRINKLER CONTRACTOR, PER SECTION 107.3.4.1
- FIRE ALARM SYSTEM (COORDINATE WITH FIRE SUPPRESSION SYSTEM)
- ANY REQUIRED STRUCTURAL ENGINEERING SHALL BE SUBMITTED BY A STRUCTURAL

PLEASE NOTE THE APPLICABLE CODES LISTED BELOW. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES. DEFERRED SUBMITTALS, WHENEVER REQUIRED. SHALL PROVIDE SHOP DRAWINGS AND/OR DOCUMENTS CLEARLY DESCRIBING COMPLIANCE TO THE DRAWINGS AND PERTINENT BUILDING CODES TO FHE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND DESIGN

#### - SHEET WHERE DETAIL DETAIL NUMBER **ELEVATION MARK**

DETAIL NUMBER

-DETAIL NUMBER

**ENLARGED DETAIL** 

- SHEET WHERE DETAIL

WALL/DETAIL SECTION

- SHEET WHERE DETAIL

**BUILDING SECTION** 

- SHEET WHERE DETAIL

**ABBREVIATIONS** 

HORIZONTAL

HIGH POINT

HEATING, VENTILATING & AIR

## **EQUIPMENT MARK** WALL TYPE MARK

OWNER FURNISHED

PARGING PRECAST

PLUMBING PANEL PANELING

PLYWOOD

PARTITION

PLASTIC LAMINATE

POUNDS PER SQUARE FO

**ROOM NAME** 

## FINISH MARK ARCHITECTURAL SITE PLANS PLUMBING FIXTURE

**ROOM NAME MARK** 

**ELEVATION MARK** 

DOOR MARK

WINDOW OR

STOREFRONT MARK

SOIL BORING SOLID CORE STRUCTURAL CLAY TILE

SIMILAR

SHORT LEG VERTICAL

FOP AND BOTTOM

TONGUE AND GROOVE

TOP OF CONCRETE/TOP OF CUR

TOP OF SLAB/TOP OF STEE

UNLESS NOTED OTHERWISE

VINYL COMPOSITION TILE

VERIFY IN FIELD

WATER CLOSET

TRANSOM

SERVICE RECEPTOR/SHOWER R

SERVICE SINK/STAINLESS STEEL STATION

## | ● | ● | ● | AS101 DEMOLITION

STRUCTURAL

ARCHITECTURAL

EQUIPMENT

MECHANICAL

PLUMBING

DRAWINGS ISSUED

#### ARCHITECTURAL SITE PLAN FIRE PROTECTION PLAN SITE LIGHTING PHOTOMETRIC PLAN DEMOLITION FLOOR PLAN

AD301

● ● ● A101 FLOOR PLAN

E101

DRAWING INDEX KEY

## ALAN SCOTT HALL ARCHITECT

**ALAN SCOTT HALL** 

# AS NOTED

JWRH 2021-20 **COVER SHEET PROJECT** INFORMATION

### PROJECT INFORMATION

**APPLICABLE CODES:** 

- MRC 2015 (MICHIGAN REHABILITATION CODE 2015 MBC 2015 (MICHIGAN BUILDING CODE 2015)
- ICC/ANSI A117.1-2009 & MICHIGAN BARRIER FREE DESIGN LAW OF PUBLIC ACT 1 OF 1966 AS AMENDED MEC 2015 (MICHIGAN ENERGY CODE, PART 10A RULES WITH ANSI / ASHRAE / IES STANDARD 90.1-2013)
- MMC 2015 (MICHIGAN MECHANICAL CODE 2015)
- MPC 2018 (MICHIGAN PLUMBING CODE 2018) IFC 2015 (INTERNATIONAL FIRE CODE 2015)
- NEC 2017 (STATE OF MICHIGAN ELECTRICAL CODE (NEC-2017) W/ PART 8 STATE AMENDMENTS)

THE SCOPE OF THIS PROJECT IS A RENOVATION OF AN EXISTING BUILDING, FRONT FACADE IMPROVEMENT AND TWO SMALL ADDITIONS AT THE REAR. PROJECT INCLUDES A NEW FIRE SUPPRESSION SYSTEM, COMMERCIAL KITCHEN, SEATING AREA AND RESTROOMS. THE SITE IS TO INCLUDE A CHANGE OF USE TO A "RESTAURANT" WITH

#### **MEZZANINE CALCULATIONS:**

THE EXISTING BUILDING HAS A SMALL UPPER FLOOR IN ONE AREA ON THE WEST SIDE OF THE BUILDING.

## (PREVIOUSLY A RESIDENTIAL USE).

THIS WILL NOW BE CLASSIFIED AS A FULLY ENCLOSED MEZZANINE (KITCHEN USE) • EX. FIRST FLOOR = 3,018 SF / 3 = 1,006 SF > 965 SF MEZZANINE - GOOD TO BE A MEZZANINE (PER MBC 505.2.1)

**3,751 SF** (GROSS)

- 965 SF / 200 (KITCHEN OCCUPANTS = 5 PEOPLE < 10 PEOPLE GOOD TO BE ENCLOSED (MBC 505.2.3 EXCEP. 1)</li>
- MEZZANINE STAIR IS NOT REQUIRED TO BE ENCLOSED (MBC 1019.2). MINIMUM STAIR WIDTH IS 36" CLEAR, LESS THAN 50 PEOPLE (MBC 1011.2 EXCEP.

## PROPOSED TENANT AREA:

EXISTING SPACE - (BOMA GROSS SQ. FT.) 3,018 SF (965 GROSS SF - EXISTING MEZZANINE)

410 SF **NEW ADDITION 1** 323 SF NEW ADDITION 2

### TOTAL SQUARE FOOT =

TENANT OCCUPANCY USE GROUP (MBC 303): (SEE KEY PLAN BELOW)

## A-2 - ASSEMBLY (RESTAURANT - MORE THAN 50 PEOPLE) - NON-SEPARATED

**BUILDING CONSTRUCTION TYPE** (MBC 602.5): VB (UNPROTECTED, COMBUSTIBLE) - A-2 USE GROUP.....3,751 SF < 24,000 SF - GOOD (MBC 506.2 - S1) MAXIMUM BUILDING HEIGHT = 60' > 23'-4" - GOOD (MBC 504.3 - A USE / S)

## 1-STORY (W/ EXISTING MEZZANINE), 2- STORIES ALLOWED - GOOD (MBC 504.4 - A-2 USE / S)

**AUTOMATIC SPRINKLER SYSTEM** (MBC 903.2.1.2): YES - THE SPACE WILL NOW BE FULLY SUPPRESSED WITH AN APPROVED ALARM SYSTEM (MBC 907.2)

## FIRE ALARM (MBC 907.2.1 GROUP A):

MANUAL FIRE ALARM IS NOT REQUIRED (LESS THAN 300 PERSONS)

#### OCCUPANT LOAD (MBC 1004.1.2):

TOTAL OCCUPANT LOAD = 146 OCCUPANTS (SEE LIFE SAFETY PLAN SHEET A001)

REQUIRED NUMBER OF EXITS (MBC 1006.2.1 and 1006.3.1):

## A-2 OCCUPANCY (GREATER THAN 49 AND LESS THAN 500 PEOPLE)

(2) EXITS REQUIRED, (5) EXITS PROVIDED EXITS MEET REMOTENESS (PER MBC 1007.1.1)

#### **EXIT ACCESS TRAVEL DISTANCE** (MBC TABLE 1017.2):

USE GROUP "A". WITH AN APPROVED FIRE SUPPRESSION SYSTEM A. EXIT ACCESS TRAVEL DISTANCE (MBC TABLE 1017.2) = 250' - OK B. COMMON PATH OF EGRESS TRAVEL (MBC TABLE 1006.2.1) = 75' (66'-5" ACTUAL - OK)

#### **TENANT VESTIBULE REQUIREMENTS:**

VESTIBULE AT ENTRANCES: REQUIRED - MORE THAN 3,000 SQ. FT. - (1) PROVIDED (MICHIGAN ENERGY CODE - R 408.31098A)

#### FIRE-RESISTANCE RATED CONSTRUCTION (VB SPRINKLED PER MBC TABLE 601): DILLI DING ELEMENT

| BUILDING ELEMENT                           | FIRE-RESISTANT RATING |
|--|-----------------------|
| STRUCTURAL FRAME                           | 0 HOUR                |
| BEARING WALLS - EXTERIOR                   | 0 HOUR                |
| BEARING WALLS - INTERIOR                   | 0 HOUR                |
| NONBEARING WALLS AND PARTITIONS - EXTERIOR | 0 HOUR                |
| NONBEARING WALLS AND PARTITIONS - INTERIOR | 0 HOUR                |
| FLOOR CONSTRUCTION                         | 0 HOUR                |
| ROOF CONSTRUCTION                          | 0 HOUR                |

#### INTERIOR WALL AND CEILING FINISHES (MBC TABLE 803.11)

EXIT ENCLOSURE & EXIT PASSAGEWAYS CLASS B - FLAME SPREAD 26-75, SMOKE DEVELOP 0-450 CORRIDORS CLASS B - FLAME SPREAD 26-75, SMOKE DEVELOP 0-450 CLASS C - FLAME SPREAD 76-200. SMOKE DEVELOP 0-450 **ROOMS & ENCLOSED SPACES** 

0 HOUR (MBC 713.4)

### ALL INTERIOR FINISHES SHALL BE IN ACCORDANCE WITH 2015 MBC SECTIONS 801-808

PLUMBING FIXTURE REQUIREMENTS (73 + 47 MEN AND 73 + 47 WOMEN PER MPC 403.1.1).

WATER CLOSETS (MALE): 1 PER 75 = (120/75=1.6) = (2) REQUIRED / (1) W.C. AND (2) URINALS PROVIDED WATER CLOSETS (FEMALE): 1 PER 75 = (120/75=1.6) = (2) REQUIRED / (2) W.C. PROVIDED WATER CLOSET (EMPLOYEE) NOT REQUIRED / (1) PROVIDED

1 PER 200 = (120/200=0.6) = (1) REQUIRED / (1) PROVIDED LAVATORIES (FEMALE): 1 PER 200 = (120/200=0.6) = (1) REQUIRED / (1) PROVIDED

LAVATORY (EMPLOYEE) NOT REQUIRED / (1) PROVIDED

RESTAURANT PROVIDING DRINKING WATER IN A CONTAINER FREE-OF-CHARGE. (MPC 2015, SECTION 410.4) 1 REQUIRED / (1) PROVIDED

### **REQUIRED SEPARATION OF OCCUPANCY** (MBC 508.4):

EXISTING 2-HR (MIN.) FIRE BARRIER BETWEEN A-2 AND B - NEIGHBOR BUILDING (NOT FIRE SUPPRESSED)

#### **PORTABLE FIRE EXTINGUISHERS** (MBC 906.1):

PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED (SEE LIFE SAFETY PLAN SHEET A001) (COORDINATE WITH FIRE MARSHALL)

### ROOF ACCESS REQUIREMENTS (MMC 306.5):

ROOF ACCESS REQUIRED FOR BUILDING HEIGHT GREATER THAN 16'-0" LOW BUILDING HEIGHT = 10'-5-1/4" AT NEW ADDITION 1 (GRADE LADDER NOT REQUIRED) ROOF ACCESS REQUIRED FOR UPPER ROOF:

ROOF ACCESS LADDER PROVIDED FROM LOWER ROOF TO UPPER ROOF

TOTAL MAIN LEVEL USE GROUP: A-2 SQUARE FOOTAGE = 3,751 SF MEZZ. NEIGHBOR RESTAURANT ABOVE BUILDING USE GROUP: A-2 NEW ADDITION 1 (410 GSF) **UPPER AREA FOR NEW** NEW ADDITION 2 (323 GSF) ADDITION 2 (NO FLOOR)-

## ACID RESISTING ARCHITECT(URA ASPHALT AVENUE ELECTRICAL CONTRACTOR BALLED AND BURLAPPED EXTERIOR INSULATION ENCLOSURE ENGINEER ENTRANCE BEARING BRICK BACK SPLASH EQUIPMENT EXISTING TO REMAIN EACH WAY ELECTRIC WATER COOLER .. BTM BOTTOM BTU BRITISH THERMAL BTWN BETWEEN BUR BUILT-UP ROOF CENTER TO CENTER CEMENT CERAMIC CORNER GUARD CAST IRON FACE OF CONCRETE

INRA2022-0001 PSP2022-0009

FACE OF WALI CONCRETE MASONRY UN POLYESTER CONT CONTINUOUS
CPT CARPET

MODEL/MIDDLE FIRE VALVE CABINET

RETURN AIR REINF REINFORCE(D)(ING)(MENT) WAINS WAINSCOT RESINOUS FLOORING ROUGH IN

MOLDING MILLWORK

MASONRY OPENING MORTAR MOUNTED

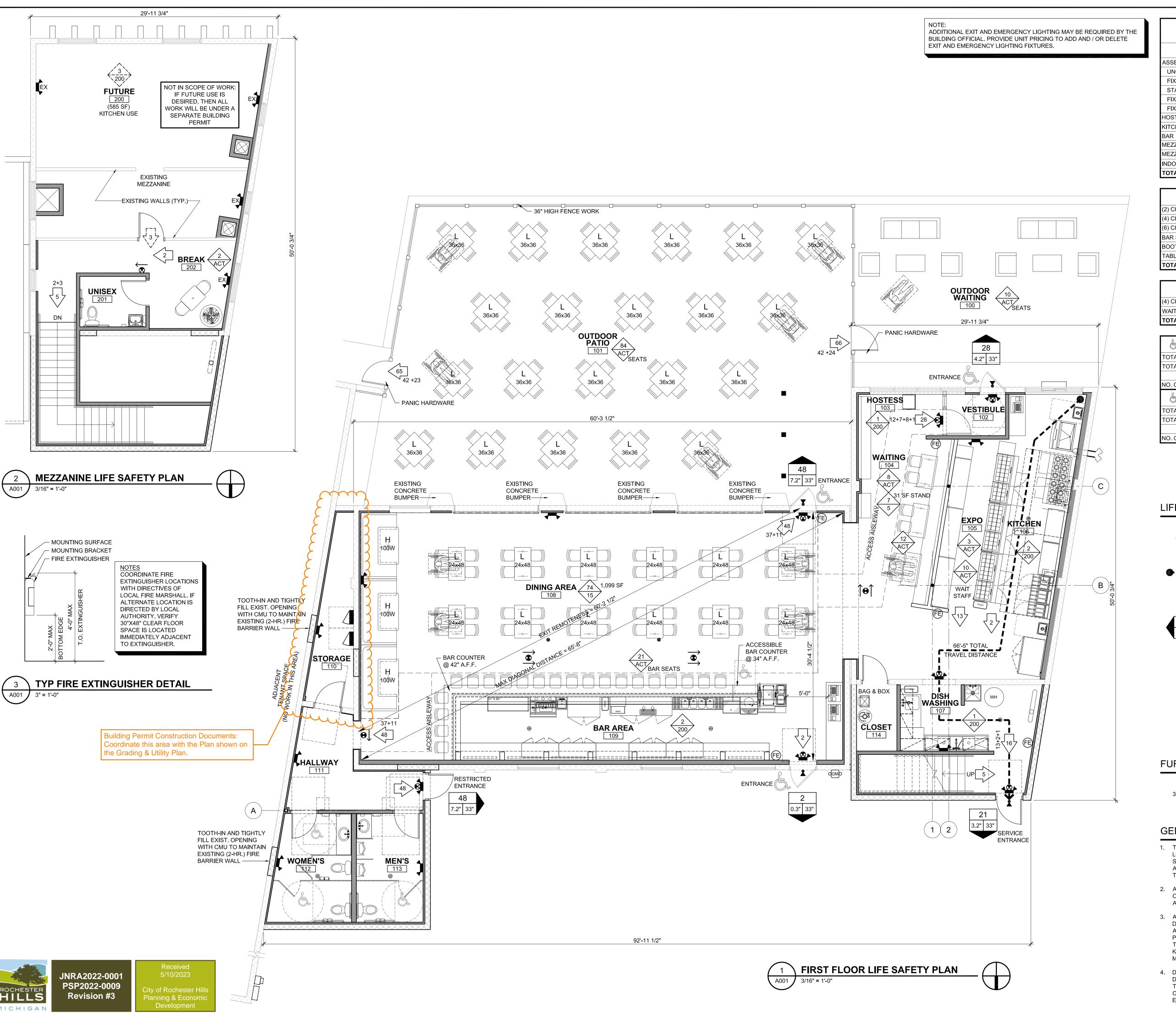
**VICINITY MAP** 







CHECKED BY:



### OCCUPANCY LOAD ANALYSIS (MBC TABLE 1004.1.2)

| USE                        | AREA    | LOAD<br>FACTOR | OCCUPANTS |
|----------------------------|---------|----------------|-----------|
| ASSEMBLY AREAS             |         |                |           |
| UNCONCENTRATED             | TABLES  | 15 NET         | 74        |
| FIXED SEATING              | WAITING | ACTUAL         | 8         |
| STANDING                   | WAITING | 5 NET          | 7         |
| FIXED SEATING              | BAR     | ACTUAL         | 21        |
| FIXED SEATING              | BOOTHS  | ACTUAL         | 12        |
| HOSTESS, KITCHEN & DISH    | KITCHEN | 200            | 4         |
| KITCHEN EXPO               | KITCHEN | ACTUAL         | 3         |
| BAR                        | BAR     | 200            | 2         |
| MEZZANINE (FUTURE KITCHEN) | MEZZ    | 200            | 3         |
| MEZZANINE (BREAK AREA)     | MEZZ    | ACTUAL         | 2         |
| INDOOR/OUTDOOR WAIT STAFF  |         | ACTUAL         | 10        |
| TOTAL:                     |         |                | 146       |

| SEATING COUNT (INTERIOR) |    |   |    |  |
|--------------------------|----|---|----|--|
| (2) CHAIR - TABLE        | 0  | = | 0  |  |
| (4) CHAIR - TABLE        | 12 | = | 48 |  |
| (6) CHAIR - TABLE        | 0  | = | 0  |  |
| BAR SEATING              | 21 | = | 21 |  |
| BOOTH SEATING            | 3  | = | 12 |  |
| TABLE / BENCH SEATING    | 3  | = | 12 |  |
| TOTAL DINING:            |    | = | 93 |  |

| SEATING COUNT (EXTERIOR) |    |   |    |
|--------------------------|----|---|----|
| (4) CHAIR - TABLE        | 21 | = | 84 |
| WAIT SEATING             | 6  | = | 10 |
| TOTAL DINING:            |    |   | 94 |

| TOTAL TABLES PROVIDED                       | =      | 18                   |
|---|--------|----------------------|
| TOTAL SEATS PROVIDED                        | =      | 93                   |
|   |        | 5% (SEATS REQ. MIN.) |
| NO. OF ACCESSIBLE SEATS REQUIRED            | =      | 5 SEATS (OR 4.65%)   |
| _   |        |                      |
| & ACCESSIBILITY CO                          | JNT    | 「(EXTERIOR)          |
|   | <br> - | (EXTERIOR)           |
| TOTAL TABLES PROVIDED  TOTAL SEATS PROVIDED |        | ,                    |
| TOTAL TABLES PROVIDED                       | =      | 21                   |

#### LIFE SAFETY LEGEND

NUMBER OF CALCULATED OCCUPANTS - MAX. CODE ALLOWANCE PER OCC. 200 S.F. (gross) - KITCHEN (commercial) ACT - ACTUAL NUMBER OF OCCUPANTS

COMMON PATH OF TRAVEL

2A:10B-C 5lb. DRY CHEMICAL FIRE EXTINGUISHER, SEE 04/A001 FOR MOUNTING HEIGHT (COORD FINAL LOCATION W/ BUILDING DEPT)

- NUMBER EGRESS EXIT TOTAL OCCUPANTS - CLEAR WIDTH PROVIDED

MIN. REQUIRED DOOR WIDTH: NO. OF OCC x 0.15" (SUPPRESSED) OR NO. OF OCC x 0.2" (NOT SUPPRESSED)

NEW EXIT SIGN, CONFIRM LOCATION

REQUIREMENTS W/ FIRE MARSHAL NEW EMERGENCY LIGHT

NEW EMERGENCY COMBO LIGHT EXTERIOR REMOTE LIGHT

#### FURNITURE LEGEND

L ── 'L' INDICATES LO-TOP TABLE 'H' INDICATES HI-TOP TABLE - INDICATES TABLE SIZE (IN INCHES)

### **GENERAL NOTES**

- 1. THE BUILDING ENTRANCE SHALL BE ACCESSIBLE FROM THE PARKING LOT OR NEAREST STREET BY MEANS OF A WALK UNINTERRUPTED BY STEPS OR ABRUPT CHANGES IN GRADE, AND AT LEAST TWO ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED WHEN MORE THAN ONE MEANS OF EGRESS IS REQUIRED BY THE BUILDING CODE.
- 2. ACCESSIBLE RESTROOM FACILITIES SHALL BE PROVIDED FOR THIS OCCUPANCY AS REQUIRED UNDER THE AMERICANS WITH DISABILITIES ACT. G.C. TO VERIFY COMPLIANCE.
- 3. ALL EGRESS DOORS SHALL BE SIDE HINGED SWINGING TYPES. ALL DOORS SHALL SWING IN THE DIRECTION OF EGRESS AND TWO EXITS ARE REQUIRED WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. ALL DOORS SHALL HAVE A MINIMUM CLEAR OPENING OF NOT LESS THAN 32 INCHES.
- 4. DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. G.C. TO VERIFY THAT CODE COMPLIANT PANIC BARS ARE IN PLACE AND FULLY OPERATIONAL ON EXTERIOR EGRESS DOORS.

CITY FILE #22-016 SECTION #25

**ISSUED FOR** REVIEW SPA REVIEW 05.11.2022 REVIEW 06.06.202 REVIEW 06.15.202 SPA REVIEW 07.22.2022 SPA REVIEW 02.15.2023 SPA REVIEW 03.28.2023

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ARCHITECT

REGISTERED DESIGN PROFESSIONA IN RESPONSIBLE CHARGE: LICENSED ARCHITECT

**ALAN SCOTT HALL** NO: 1301069071

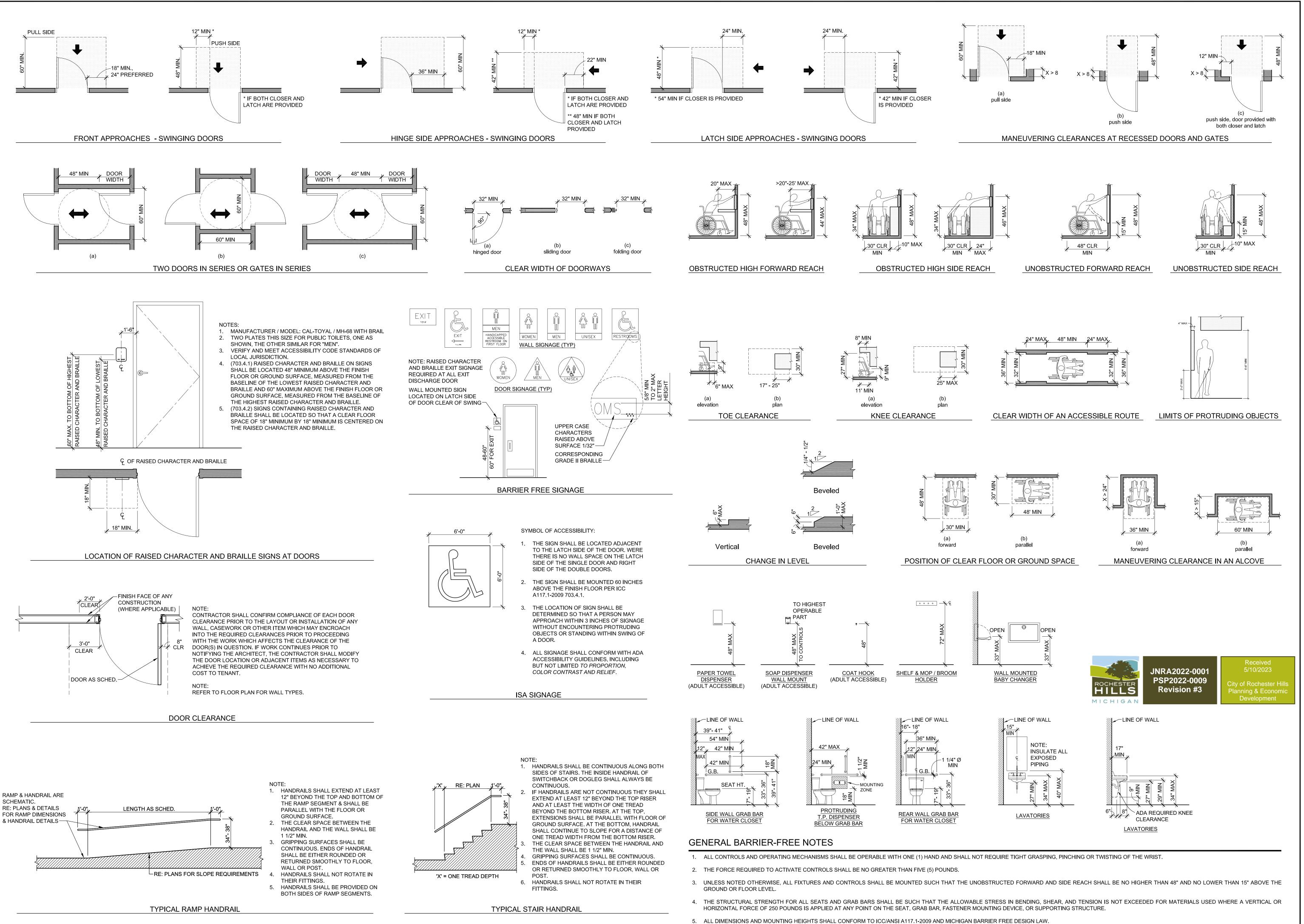
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SCALE: AS NOTED JOB NO:

JWRH 2021-20

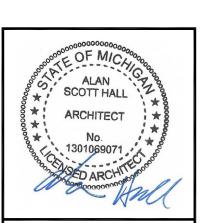
**ACCESSIBILITY** LIFE SAFETY PLAN



REVIEW SPA REVIEW 05.11.2022 REVIEW 06.06.202 06.15.202 REVIEW SPA REVIEW 07.22.202 SPA REVIEW 02.15.202 SPA REVIEW 03.28.202

**ISSUED FOR** 

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REGISTERED DESIGN PROFESSIONA IN RESPONSIBLE CHARGE: **ALAN SCOTT HALL** LICENSED ARCHITECT NO: 1301069071

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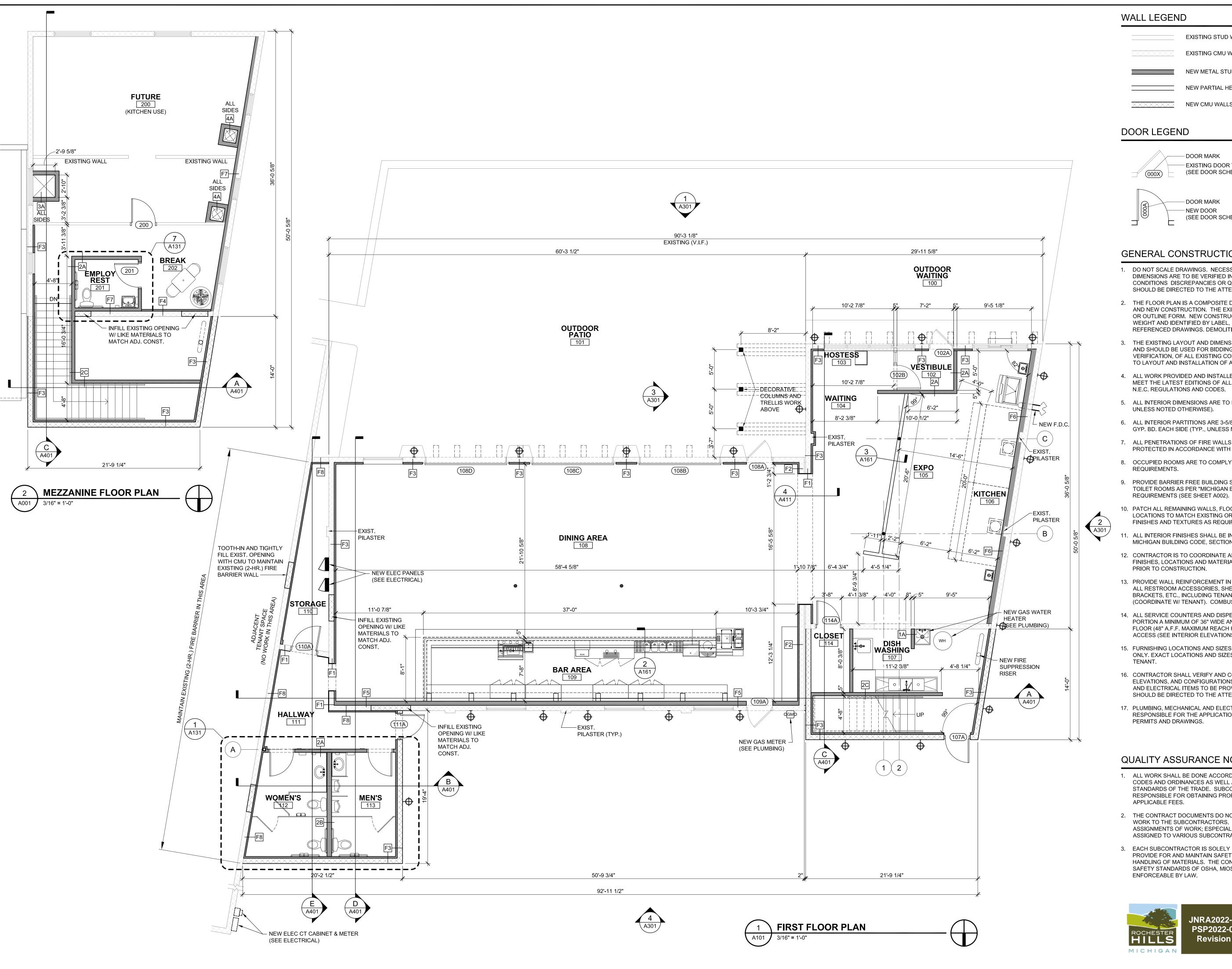
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AS NOTED JOB NO: JWRH 2021-20

> **ACCESSIBILITY** DETAILS

CITY FILE #22-016 SECTION #25



SEE WALL
TYPES 1/A161 WALL LEGEND

EXISTING CMU WALLS TO REMAIN

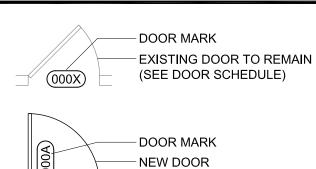
NEW METAL STUD WALL - EXTEND WALL TO DECK

EXISTING STUD WALLS TO REMAIN

NEW PARTIAL HEIGHT WALLS

NEW CMU WALLS

#### DOOR LEGEND



#### GENERAL CONSTRUCTION NOTES

1. DO NOT SCALE DRAWINGS. NECESSARY DIMENSIONS ARE GIVEN DIMENSIONS ARE TO BE VERIFIED IN THE FIELD FOR EXISTING CONDITIONS DISCREPANCIES OR QUESTIONS REGARDING DIMENSIONS SHOULD BE DIRECTED TO THE ATTENTION OF THE ARCHITECT.

(SEE DOOR SCHEDULE)

- 2. THE FLOOR PLAN IS A COMPOSITE DRAWING OF THE EXISTING BUILDING AND NEW CONSTRUCTION. THE EXISTING IS INDICATED IN LIGHTER LINE OR OUTLINE FORM. NEW CONSTRUCTION IS SHOWN BY A HEAVIER LINE WEIGHT AND IDENTIFIED BY LABEL, NOTE, MATERIAL PATTERN OR REFERENCED DRAWINGS. DEMOLITION IS SHOWN BY DASHED LINES.
- THE EXISTING LAYOUT AND DIMENSIONS SHOWN ARE APPROXIMATE AND SHOULD BE USED FOR BIDDING PURPOSES ONLY. ACTUAL, FIELD VERIFICATION, OF ALL EXISTING CONDITIONS SHALL BE UTILIZED PRIOR TO LAYOUT AND INSTALLATION OF ANY NEW CONSTRUCTION.
- 4. ALL WORK PROVIDED AND INSTALLED BY THE CONTRACTORS SHALL MEET THE LATEST EDITIONS OF ALL STATE, LOCAL, FEDERAL, AND N.E.C. REGULATIONS AND CODES.
- 5. ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF GYP. BD. (TYPICAL, UNLESS NOTED OTHERWISE).
- 6. ALL INTERIOR PARTITIONS ARE 3-5/8" METAL STUDS AT 16" O.C. W/ 5/8" GYP. BD. EACH SIDE (TYP., UNLESS NOTED OTHERWISE)
- 7. ALL PENETRATIONS OF FIRE WALLS SHALL BE PROPERLY FINISHED AND PROTECTED IN ACCORDANCE WITH U.L. SPECIFICATIONS.
- 8. OCCUPIED ROOMS ARE TO COMPLY WITH BARRIER-FREE REQUIREMENTS.
- 9. PROVIDE BARRIER FREE BUILDING SIGNAGE AT ENTRANCES AND TOILET ROOMS AS PER "MICHIGAN BARRIER - FREE" DESIGN
- 10. PATCH ALL REMAINING WALLS, FLOORS AND CEILINGS AT DEMOLITION LOCATIONS TO MATCH EXISTING OR PREPARE TO RECEIVE NEW FINISHES AND TEXTURES AS REQUIRED.
- 11. ALL INTERIOR FINISHES SHALL BE IN ACCORDANCE WITH THE 2015 MICHIGAN BUILDING CODE, SECTIONS 801 THROUGH 808.
- 12. CONTRACTOR IS TO COORDINATE ALL WALL, CEILING, FLOOR, ETC. FINISHES, LOCATIONS AND MATERIAL SPECIFICATIONS WITH TENANT PRIOR TO CONSTRUCTION.
- 13. PROVIDE WALL REINFORCEMENT IN STUD WALLS FOR ATTACHMENT OF ALL RESTROOM ACCESSORIES, SHELVING, FURNITURE, TELEVISION BRACKETS, ETC., INCLUDING TENANT SUPPLIED AND INSTALLED UNITS (COORDINATE W/ TENANT). COMBUSTIBLE MATERIALS ARE ALLOWABLE.
- 14. ALL SERVICE COUNTERS AND DISPENSING AREAS SHALL HAVE A PORTION A MINIMUM OF 36" WIDE AND MAXIMUM 34" ABOVE FINISH FLOOR (48" A.F.F. MAXIMUM REACH HEIGHT) FOR BARRIER FREE ACCESS (SEE INTERIOR ELEVATIONS SHEET A501).
- 15. FURNISHING LOCATIONS AND SIZES SHOWN ARE FOR REFERENCE ONLY. EXACT LOCATIONS AND SIZES ARE TO BE FIELD VERIFIED WITH
- 16. CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATIONS, ELEVATIONS, AND CONFIGURATIONS OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS TO BE PROVIDED. POTENTIAL INTERFERENCES SHOULD BE DIRECTED TO THE ATTENTION OF THE ARCHITECT.
- 17. PLUMBING, MECHANICAL AND ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR THE APPLICATIONS AND FEES FOR ANY REQUIRED PERMITS AND DRAWINGS.

#### **QUALITY ASSURANCE NOTES**

- 1. ALL WORK SHALL BE DONE ACCORDING TO APPLICABLE BUILDING CODES AND ORDINANCES AS WELL AS THE BEST PRACTICE AND STANDARDS OF THE TRADE. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING PROPER PERMITS AND PAYING ALL APPLICABLE FEES.
- 2. THE CONTRACT DOCUMENTS DO NOT ATTEMPT TO DIVIDE AND ASSIGN WORK TO THE SUBCONTRACTORS. VERIFY WITH THE CONTRACTOR ASSIGNMENTS OF WORK; ESPECIALLY THOSE ITEMS WHICH COULD BE ASSIGNED TO VARIOUS SUBCONTRACTORS.
- 3. EACH SUBCONTRACTOR IS SOLELY RESPONSIBLE TO BE INFORMED, TO PROVIDE FOR AND MAINTAIN SAFETY OF OPERATING EQUIPMENT AND HANDLING OF MATERIALS. THE CONTRACTOR SHALL COMPLY WITH SAFETY STANDARDS OF OSHA, MIOSHA AND ANY OTHER STANDARD ENFORCEABLE BY LAW.



JNRA2022-000<sup>-</sup> PSP2022-0009

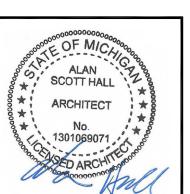
Planning & Econom

CITY FILE #22-016 SECTION #25

**ISSUED FOR** REVIEW SPA REVIEW 05.11.202 06.06.202 06.15.2022 REVIEW SPA REVIEW | 07.22.2022 SPA REVIEW 02.15.2023 SPA REVIEW 03.28.2023

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REGISTERED DESIGN PROFESSION IN RESPONSIBLE CHARGE: **ALAN SCOTT HALL** LICENSED ARCHITECT NO: 1301069071

QUIL FOR CO:

T IMPROVEMENTS F BLANCO'S TAC

JUAN

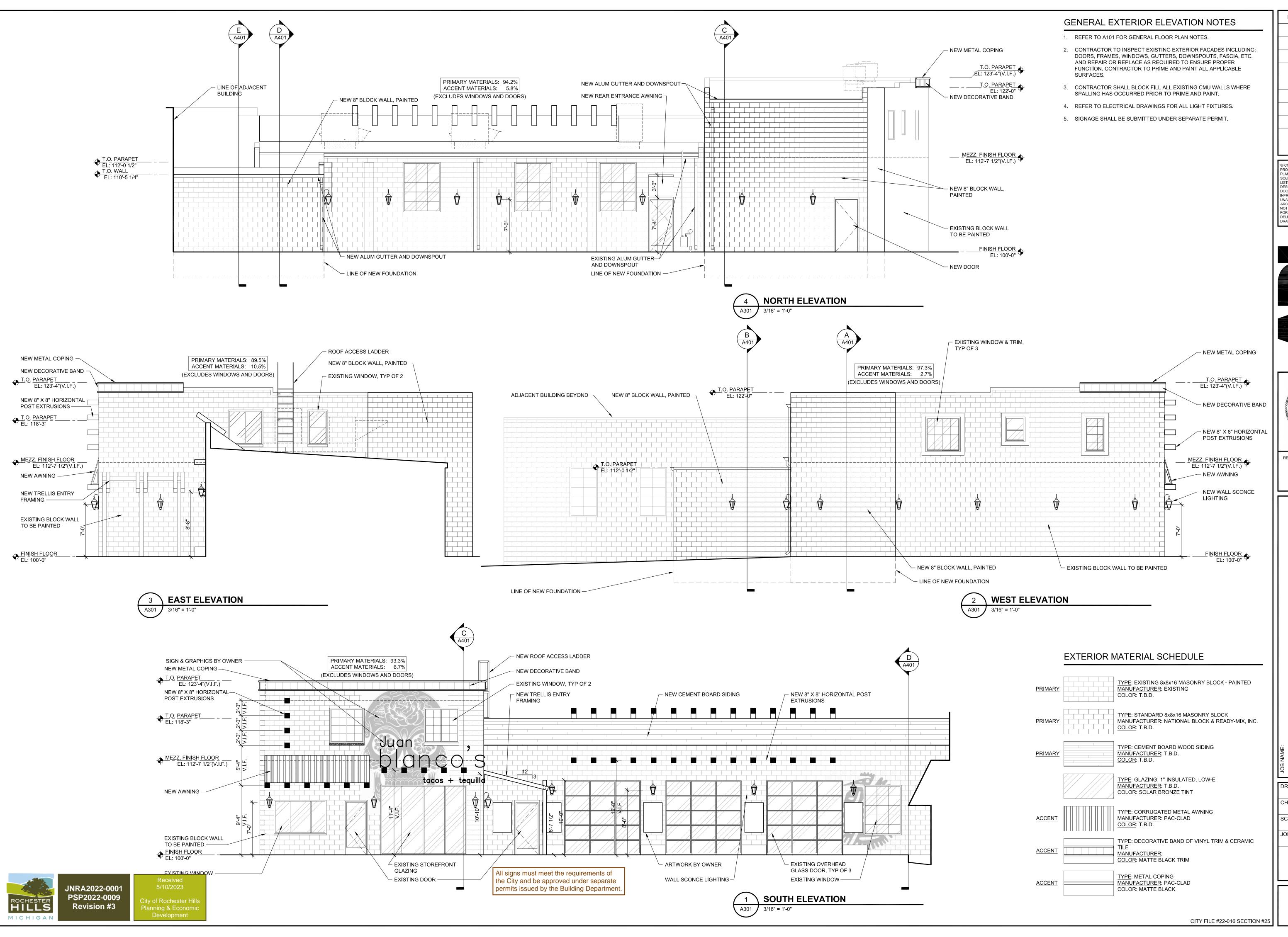
RO, LS, AUBURN STER HILI

DRAWN BY: CHECKED BY:

SCALE: AS NOTED

JOB NO: JWRH 2021-20

FLOOR PLAN



 ISSUED FOR
 DATE

 REVIEW
 01.17.2022

 SPA REVIEW
 05.11.2022

 REVIEW
 06.06.2022

 REVIEW
 06.15.2022

 SPA REVIEW
 07.22.2022

 SPA REVIEW
 02.15.2023

 SPA REVIEW
 03.28.2023

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REGISTERED DESIGN PROFESSIONAL
IN RESPONSIBLE CHARGE:
ALAN SCOTT HALL
LICENSED ARCHITECT
NO: 1301069071

DS + TEQUILA

D

1 48307

TENANT IMPROVEMENTS FOR:
JUAN BLANCO'S TACOS + TE
ATION:
1655 E. AUBURN ROAD
ROCHESTER HILLS, MI 48307

DRAWN BY:
BCB

CHECKED BY:
ASH

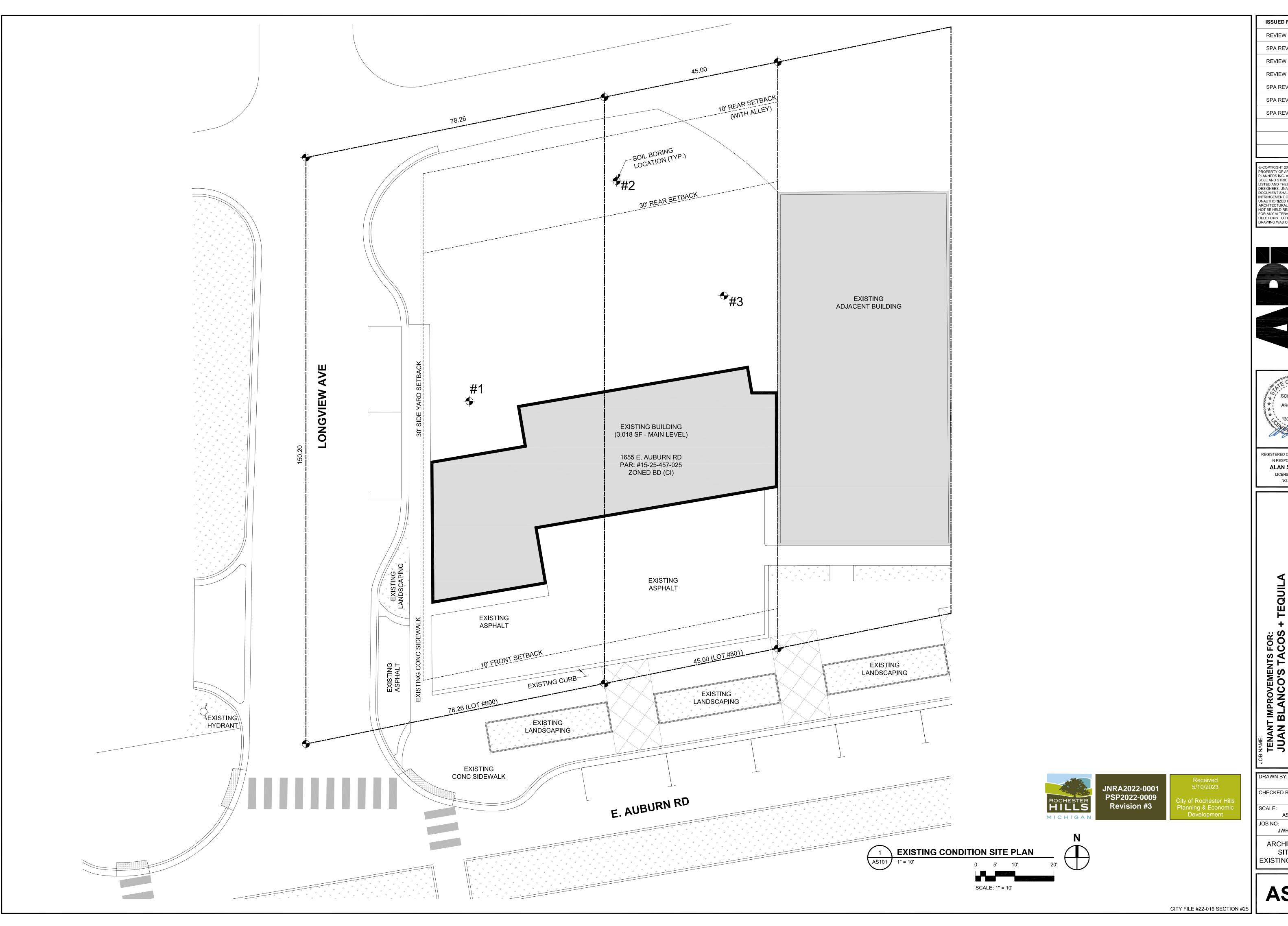
SCALE:
AS NOTED

JOB NO:
JWRH 2021-20

JWRH 2021-20

EXTERIOR
ELEVATIONS

A301



**ISSUED FOR** REVIEW SPA REVIEW 05.11.2022 REVIEW 06.06.2022 REVIEW 06.15.2022 SPA REVIEW 07.22.2022 SPA REVIEW 02.15.2023 SPA REVIEW 03.28.2023

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REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: NO: 1301069071

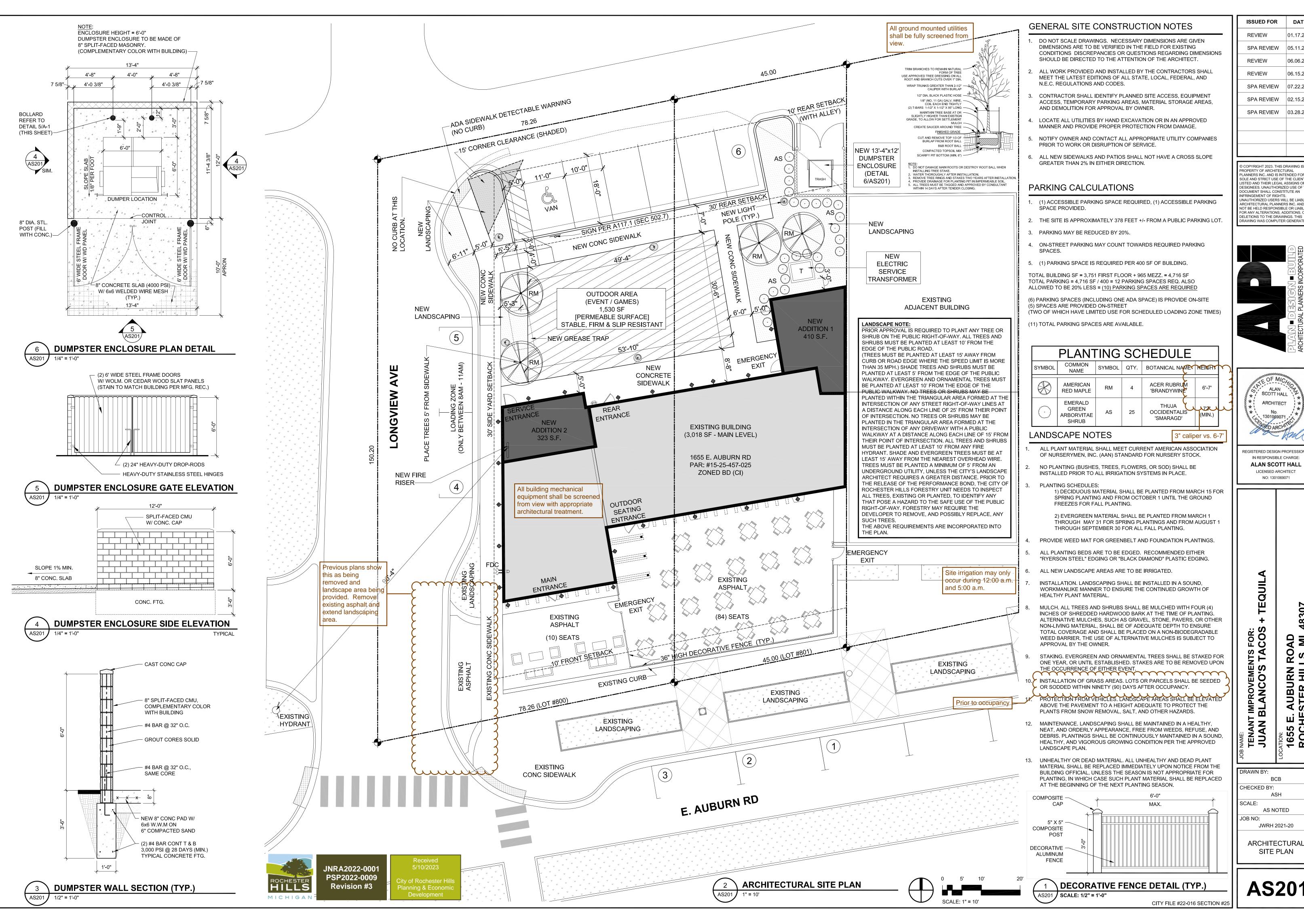
**ALAN SCOTT HALL** LICENSED ARCHITECT

TEQUILA TENANT IMPROVEMENTS FOR: JUAN BLANCO'S TACOS 1655 E. AUBURN ROAD ROCHESTER HILLS, MI

CHECKED BY: SCALE: AS NOTED JOB NO: JWRH 2021-20

ARCHITECTURAL
SITE PLAN
EXISTING CONDITION

**AS101** 



**ISSUED FOR** SPA REVIEW 05.11.202 REVIEW 06.06.2022 REVIEW 06 15 202 SPA REVIEW | 07.22.2022 SPA REVIEW 02.15.2023 SPA REVIEW 03.28.2023

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ALAN SCOTT HALL ARCHITECT

REGISTERED DESIGN PROFESSION IN RESPONSIBLE CHARGE:

**ALAN SCOTT HALL** LICENSED ARCHITECT NO: 1301069071

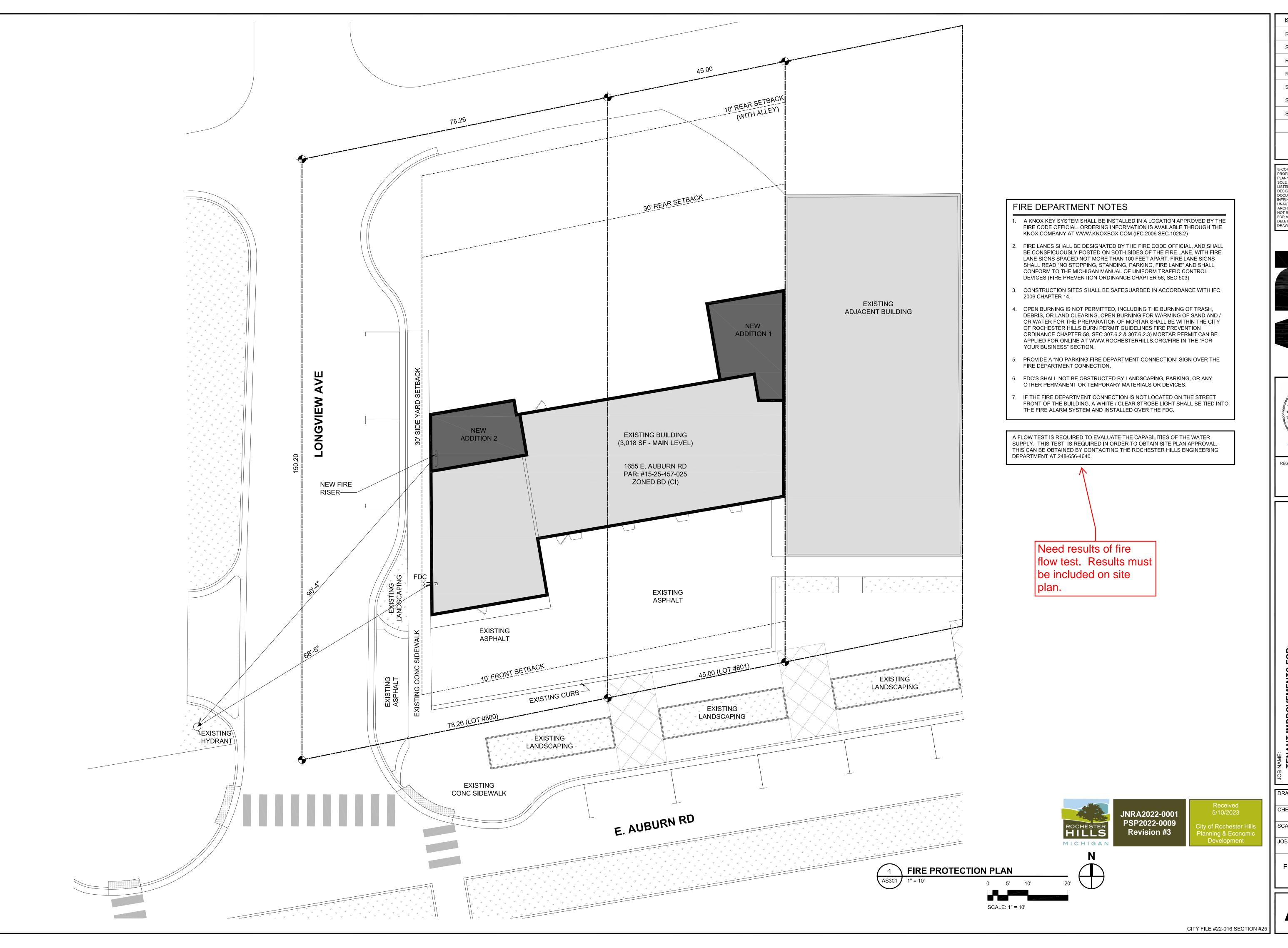
RO, LS,

AUBURN STER HILI

1655 ROCI

CHECKED BY: SCALE: AS NOTED JOB NO: JWRH 2021-20

SITE PLAN



**ISSUED FOR** REVIEW SPA REVIEW 05.11.2022 REVIEW 06.06.2022 REVIEW 06.15.2022 SPA REVIEW 07.22.2022 SPA REVIEW 02.15.2023 SPA REVIEW 03.28.2023

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TEQUILA

TENANT IMPROVEMENTS FOR: JUAN BLANCO'S TACOS 4655 E. AUBURN ROAD ROCHESTER HILLS, MI

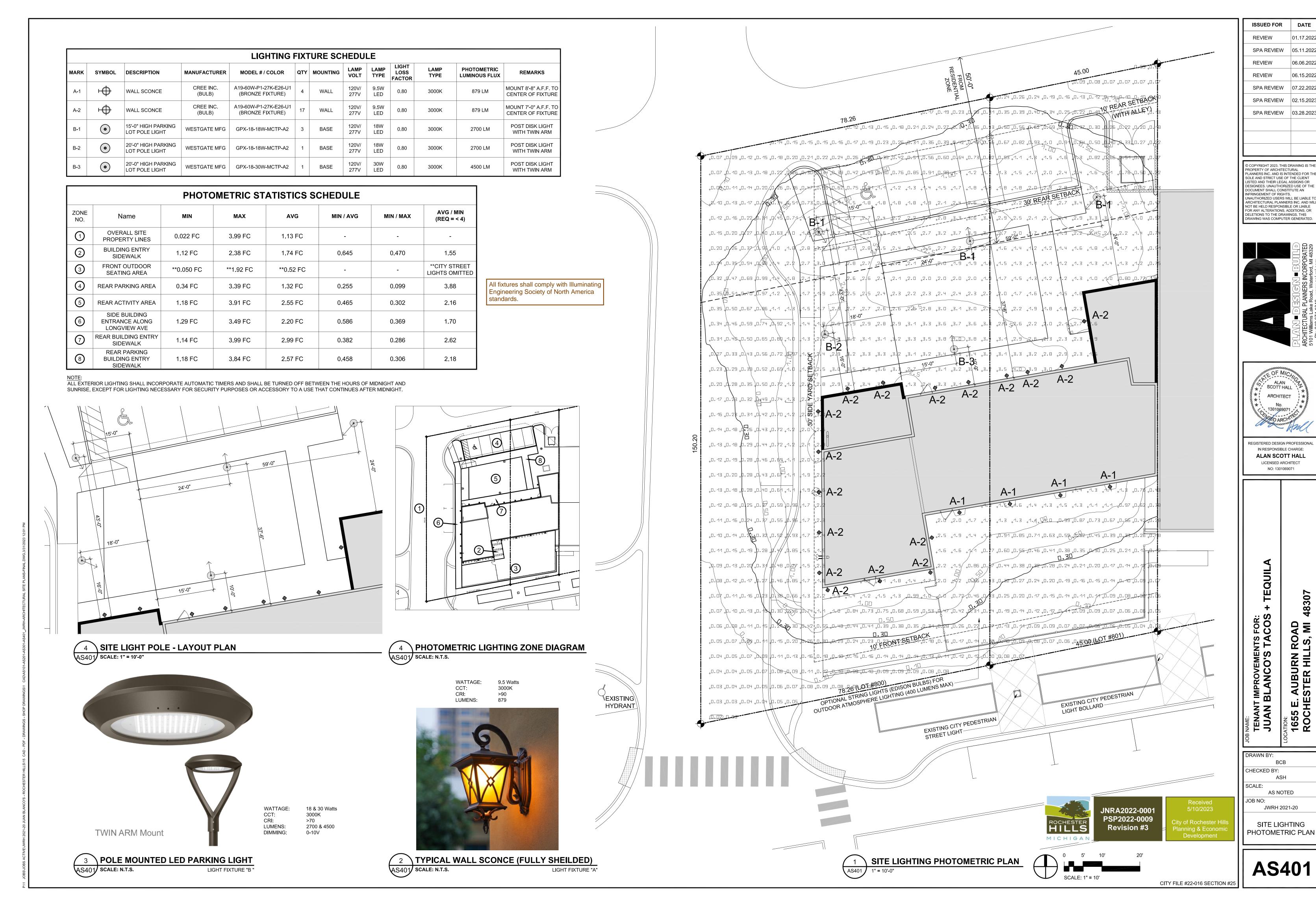
DRAWN BY

CHECKED BY: SCALE:

AS NOTED JOB NO: JWRH 2021-20

FIRE PROTECTION PLAN

**AS301** 





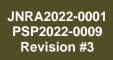






1655 E. Auburn Road, Rochester Hills, MI 48307

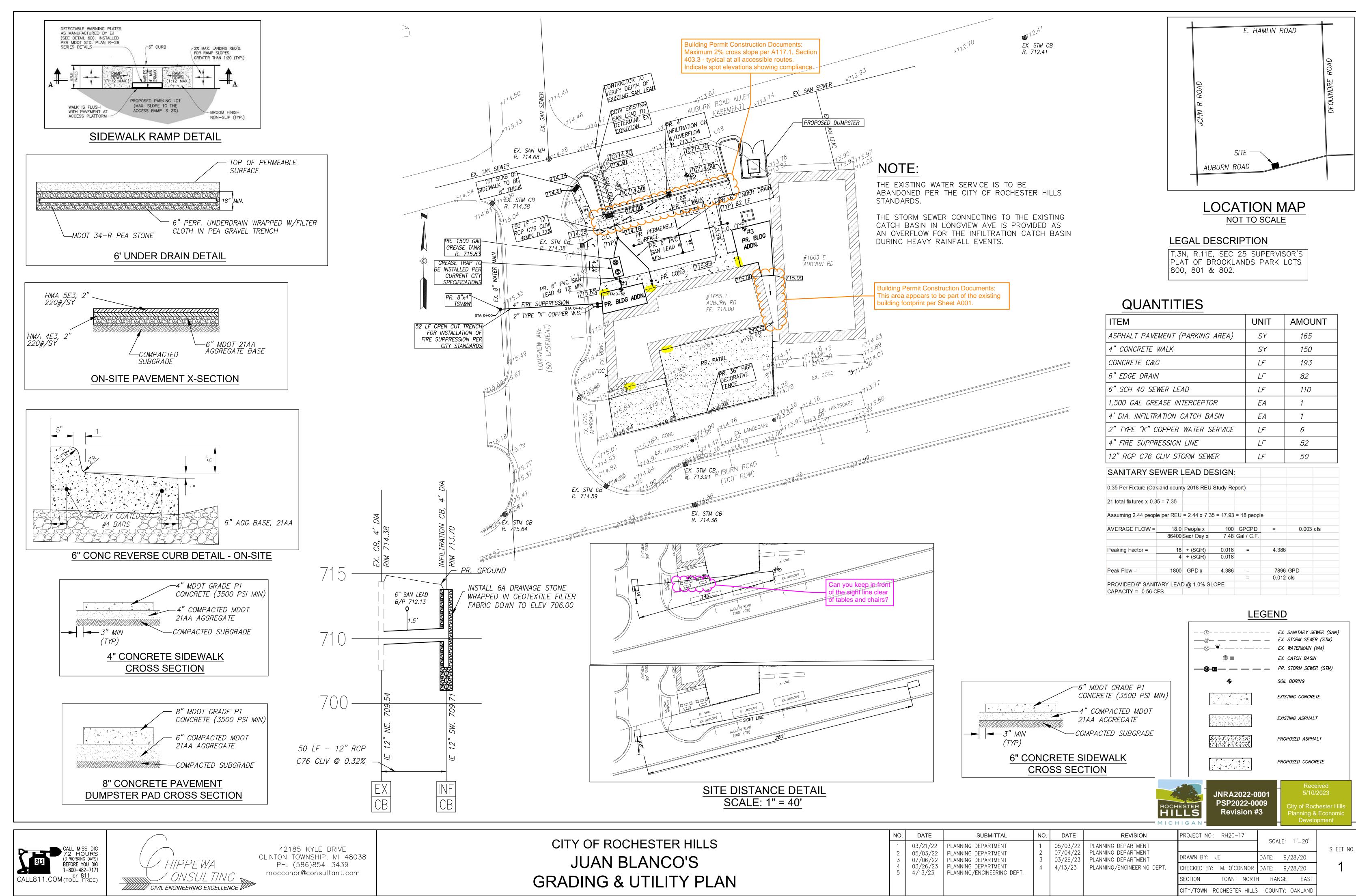


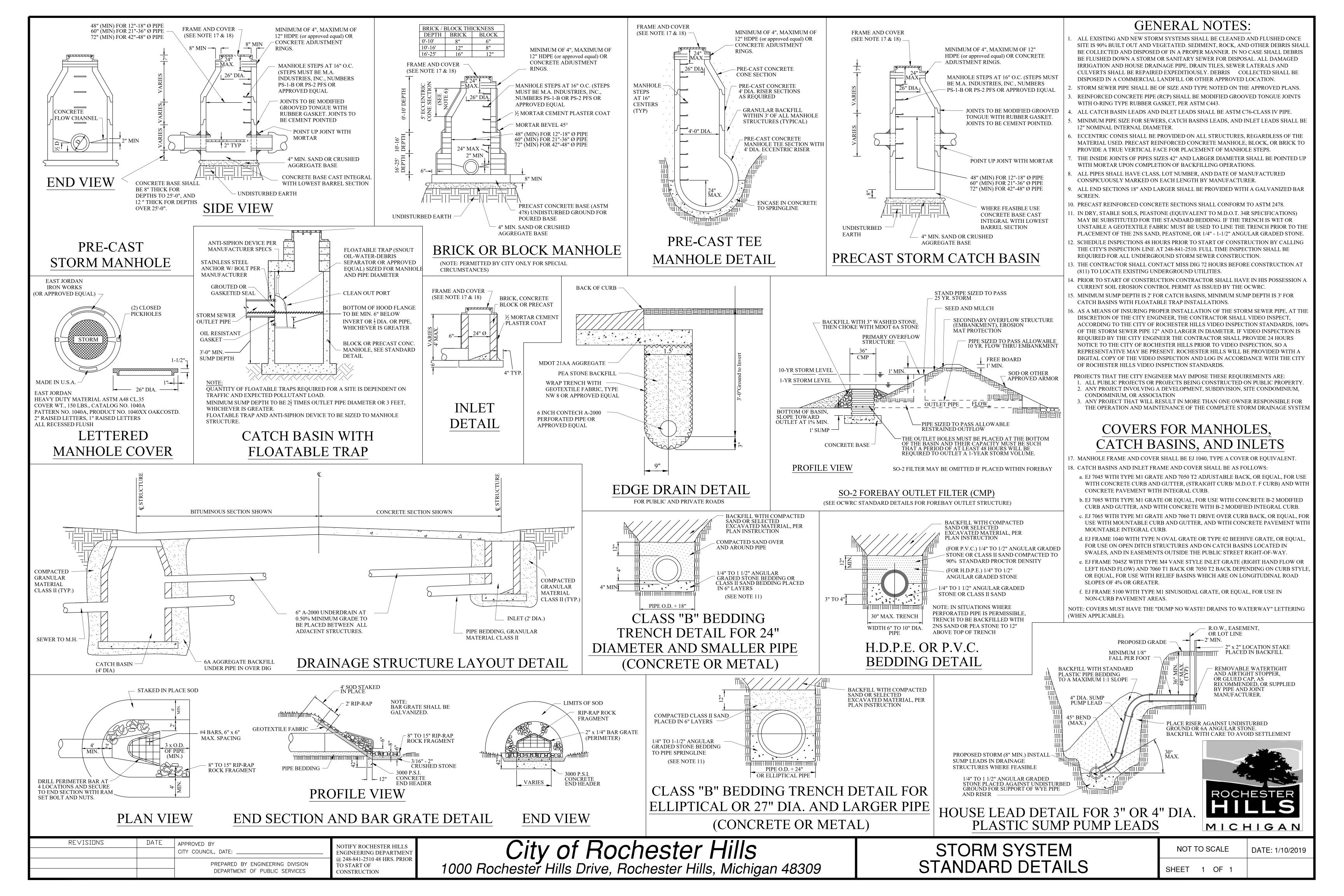


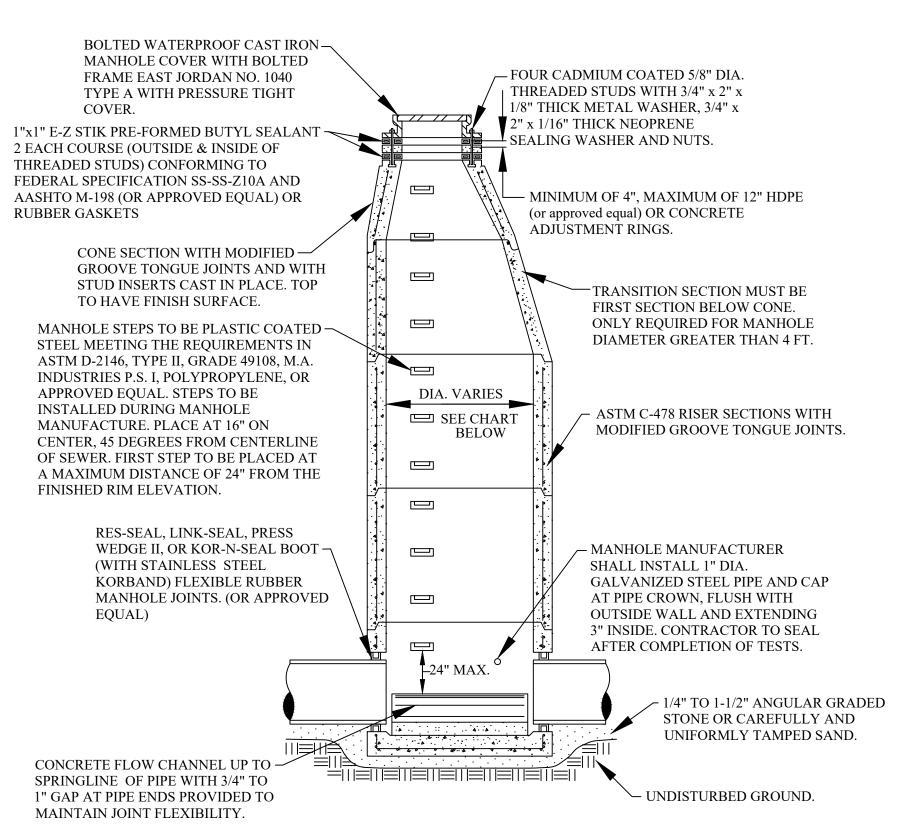
5/10/2023

City of Rochester Hills
Planning & Economic
Development

2021.11.10

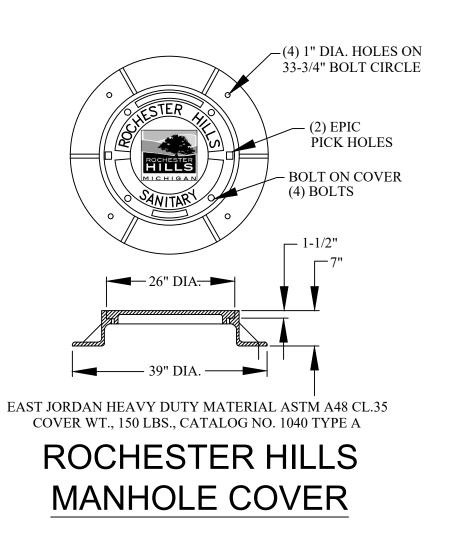


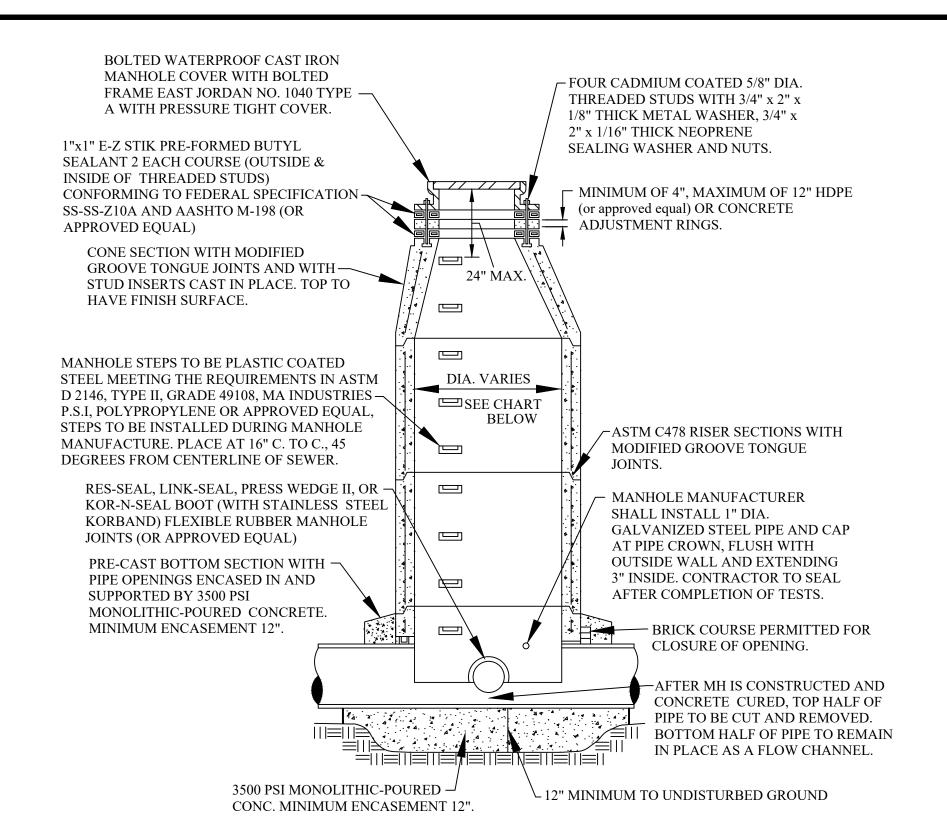




## STANDARD MANHOLE

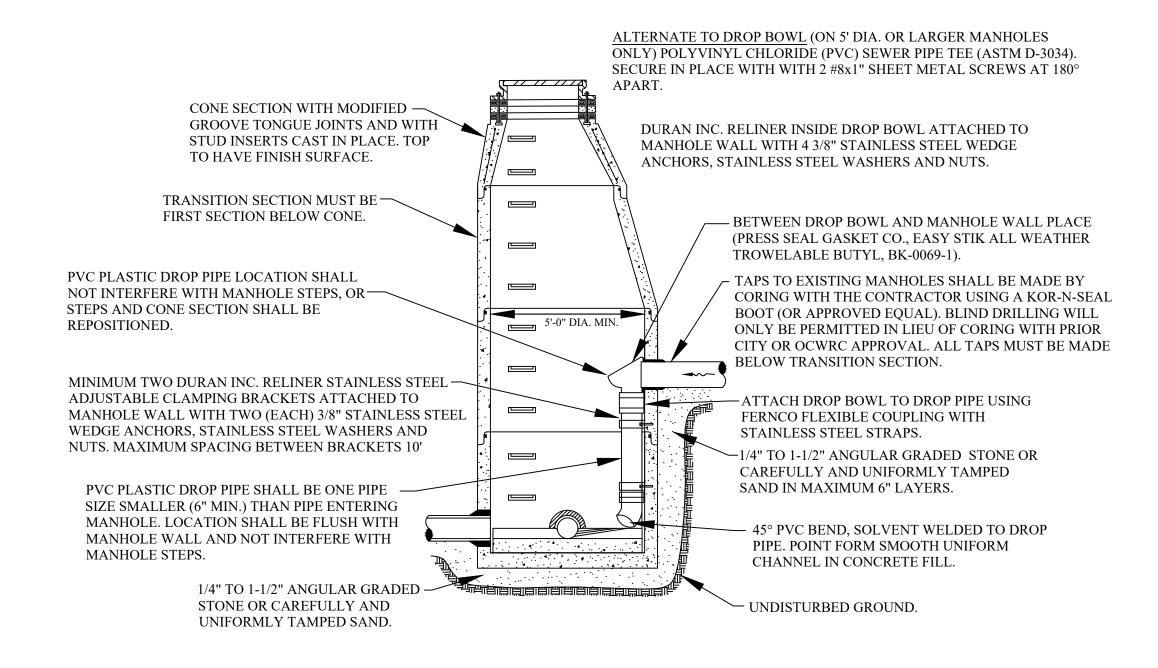
| MANHOLE SIZING CHART |  |     |  |  |
|----------------------|--|-----|--|--|
| MANHOLE<br>DIAMETER  | MAX. PIPE SIZE FOR STRAIGHT THRU INST. |     |  |  |
| 4'                   | 24"                                    | 18" |  |  |
| 5'                   | 36"                                    | 24" |  |  |
| 6'                   | 42"                                    | 36" |  |  |
| 7'                   | 60"                                    | 42" |  |  |





## MANHOLE CONSTRUCTED OVER EXISTING SEWER

| MANHOLE SIZING CHART |  |  |  |
|----------------------|--|--|--|
| MANHOLE<br>DIAMETER  | MAX. PIPE SIZE FOR STRAIGHT THRU INST. |  |  |
| 4'                   | 24"                                    |  |  |
| 5'                   | 36"                                    |  |  |
| 6'                   | 42"                                    |  |  |
| 7'                   | 60"                                    |  |  |
| ·                    |  |  |  |



### INTERIOR DROP CONNECTION

NOTE: INTERIOR DROP CONNECTION PERMITTED ONLY WHEN APPROVED BY CITY ENGINEER.

## SANITARY SEWER CONSTRUCTION NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER HILLS AND THE OAKLAND COUNTY WATER RESOURCES COMMISSIONER (OCWRC). ALL SANITARY SEWER CONSTRUCTION SHALL HAVE FULL-TIME INSPECTION SUPERVISED BY THE CITY OF ROCHESTER HILLS INSPECTION SERVICES.
- 2. NO SEWER INSTALLATION SHALL HAVE AN INFILTRATION EXCEEDING 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE IN A 24 HOUR PERIOD, AND NO SINGLE RUN OF SEWER BETWEEN MANHOLES SHALL EXCEED 100 GALLONS PER INCH DIAMETER PER MILE. AIR TESTS IN LIEU OF INFILTRATION TESTS SHALL BE AS SPECIFIED IN THE OAKLAND COUNTY WATER RESOURCES COMMISSIONER STANDARDS. PRELIMINARY-AIR TESTS ARE WITNESSED BY THE CITY AND FINAL AIR TESTS ARE WITNESSED BY BOTH THE CITY AND THE OCWRC. ONLY PIPE AND PIPE JOINTS APPROVED BY THE CITY MAY BE USED FOR SANITARY SEWER CONSTRUCTION.
- 3. LOCATED IN THE FIRST MANHOLE UPSTREAM FROM THE POINT OF ALL CONNECTIONS TO AN EXISTING SEWER, OR EXTENSION, A TEMPORARY 12-INCH DEEP SUMP SHALL BE PROVIDED IN THE FIRST MANHOLE ABOVE THE CONNECTION WHICH WILL BE FILLED IN AFTER SUCCESSFUL COMPLETION OF ANY ACCEPTANCE TEST UP TO THE STANDARD FILLET PROVIDED FOR THE FLOW CHANNEL. A WATERTIGHT BULKHEAD SHALL BE PROVIDED ON THE DOWNSTREAM SIDE OF THE SUMP MANHOLE.
- 4. AT ALL TIMES WHEN LAYING OF NEW PIPE IS NOT ACTUALLY IN PROGRESS, THE UPSTREAM OPEN END OF THE PIPE SHALL BE CLOSED BY TEMPORARY WATERTIGHT PLUGS OR BY OTHER APPROVED MEANS. IF WATER IS IN THE TRENCH WHEN WORK IS RESUMED, THE PLUG SHALL NOT BE REMOVED UNTIL THE DANGER OF WATER ENTERING THE PIPE HAS PASSED. ALL MAIN LINE PIPE SHALL BE LAID WITH A PIPE LASER BEAM FOR LINE AND GRADE. A TARGET MUST BE INSTALLED AT THE END OF THE PIPE BEING
- 5. SELF-LEVELING ACCESS ASSEMBLY STRUCTURES SHALL BE USED FOR ADJUSTING STRUCTURES WITHIN ASPHALT AND CONCRETE PAVEMENT.
- 6. ALL SEWER PIPE SHALL BE INSTALLED IN CLASS "B" BEDDING OR BETTER.
- 7. ALL NEW MANHOLES SHALL HAVE CITY APPROVED FLEXIBLE, WATERTIGHT SEALS WHERE PIPES PASS THROUGH WALLS. MANHOLES SHALL BE OF PRE CAST SECTIONS WITH MODIFIED GROOVE TONGUE AND BUTYL TYPE JOINTS. PRE CAST MANHOLE CONE SECTIONS SHALL BE CITY APPROVED MODIFIED ECCENTRIC CONE TYPE. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS.
- 8. AT ALL CONNECTIONS TO MANHOLES IN ALL SEWERS, OR EXTENSIONS, DROP CONNECTIONS WILL BE REQUIRED WHEN THE DIFFERENCE IN INVERT ELEVATIONS EXCEEDS 18 INCHES.
- 9. GROUND WATER, STORM WATER, CONSTRUCTION WATER, DOWN SPOUT DRAINAGE OR WEEP TILE DRAINAGE SHALL NOT BE ALLOWED TO ENTER ANY SANITARY SEWER INSTALLATION.
- 10. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT MISS DIG THREE (3) DAYS IN ADVANCE (811) FOR THE LOCATION OF UNDERGROUND PIPELINE AND CABLE FACILITIES AND SHALL ALSO NOTIFY REPRESENTATIVES OF OTHER UTILITIES LOCATED IN THE VICINITY OF THE WORK.
- 11. AN 18 INCH MINIMUM VERTICAL SEPARATION AND A 10 FOOT MINIMUM HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN SANITARY SEWER AND ALL OTHER UTILITIES.
- 12. AS A MEANS OF INSURING PROPER INSTALLATION OF THE SANITARY SEWER PIPE, THE CONTRACTOR SHALL VIDEO INSPECT, ACCORDING TO THE CITY OF ROCHESTER HILLS VIDEO INSPECTION STANDARDS, 100% OF THE SANITARY SEWER PIPE. THE CONTRACTOR SHALL PROVIDE 24 HOURS NOTICE TO THE CITY OF ROCHESTER HILLS PRIOR TO VIDEO INSPECTION, SO A REPRESENTATIVE MAY BE PRESENT. ROCHESTER HILLS WILL BE PROVIDED WITH A DIGITAL COPY OF THE VIDEO INSPECTION AND LOG IN ACCORDANCE WITH THE CITY OF ROCHESTER HILLS INSPECTION STANDARDS.

### SANITARY SEWER MATERIALS

- 1. THE FOLLOWING MATERIALS MAY BE USED FOR PUBLIC SANITARY SEWER CONSTRUCTION, APPROVED PIPE MATERIALS MUST CONFORM TO STANDARDS ADOPTED BY THE OFFICE OF THE OAKLAND COUNTY WATER RESOURCES COMMISSIONER:
  - A.FOR SEWERS 8" TO 15" TO BE PVC TRUSS PIPE, ASTM D-2680, WITH GASKET JOINTS, OTHER TYPES OF PIPE AS APPROVED BY CITY ENGINEER.
  - B.FOR 6" SEWER LEADS SHALL BE SOLID WALLED PVC, SDR 23.5, ASTM D-3034 OR PVC SCHEDULE 40 SOLID WALLED, ASTM D-2665. PIPE SHALL HAVE A MINIMUM PIPE STIFFNESS OF 150 P.S.I., AND A MINIMUM DEFLECTION OF 15% AT FAILURE. THE SEWER LEAD MATERIAL SHALL BE COMPATIBLE WITH SEWER MAIN MATERIAL.
  - C. FOR SEWERS GREATER THAN 15" TO BE REINFORCED CONCRETE PIPE (RCP) SHALL CONFORM TO THE CURRENT ASTM D C76 WALL B. JOINTS SHALL BE SYNTHETIC RUBBER AND MEET OR EXCEED THE REQUIREMENTS ESTABLISHED BY ASTM 361.



REVISIONS

DATE

APPROVED BY

CITY COUNCIL, DATE:

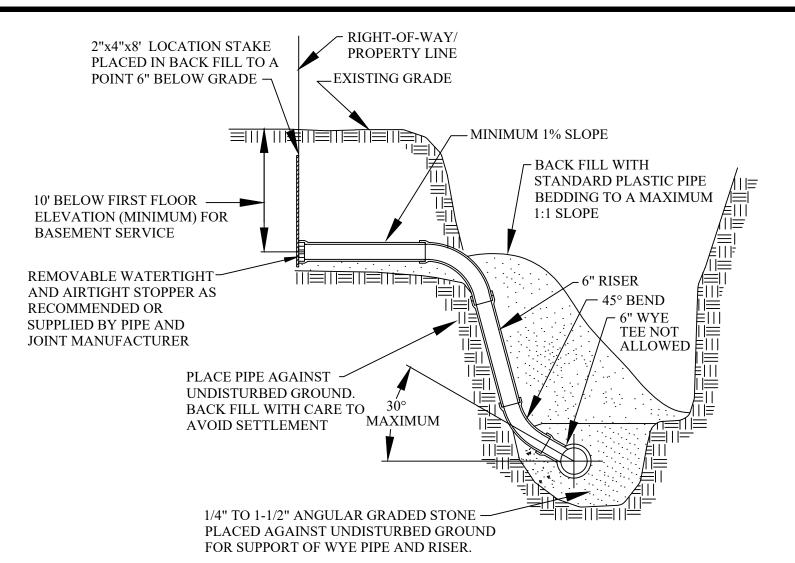
PREPARED BY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC SERVICES

NOTIFY ROCHESTER HILLS
ENGINEERING DIVISION
TO START OF
CONSTRUCTION

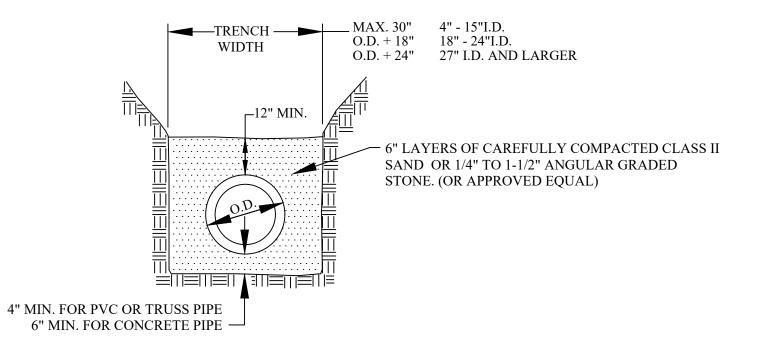
City of Rochester Hills 1000 Rochester Hills Drive, Rochester Hills, Michigan 48309

SANITARY SEWER STANDARD DETAILS NOT TO SCALE DATE: 1/10/2019

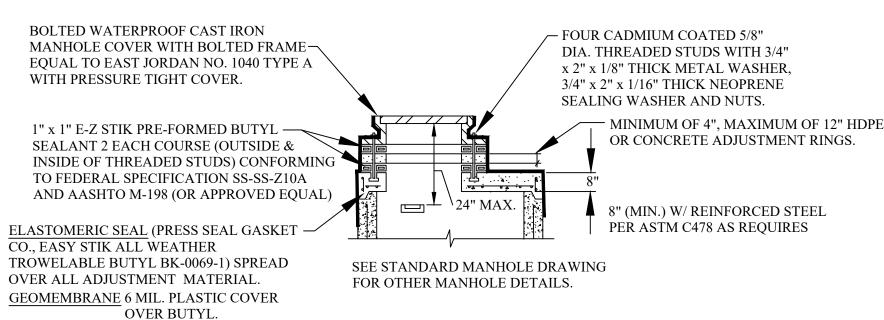
SHEET 1 OF 2



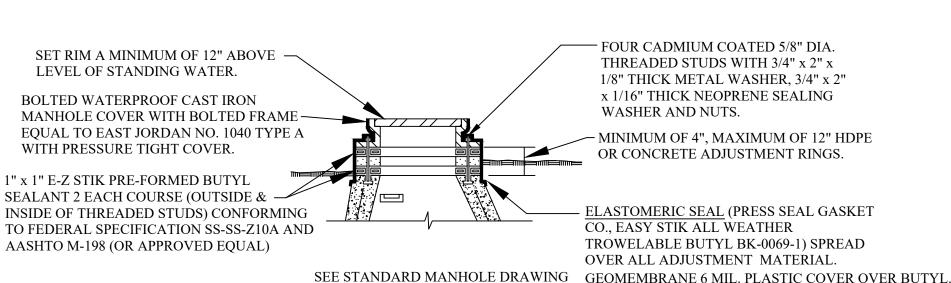
## HOUSE LEAD DETAIL



## STANDARD BEDDING (CLASS B)

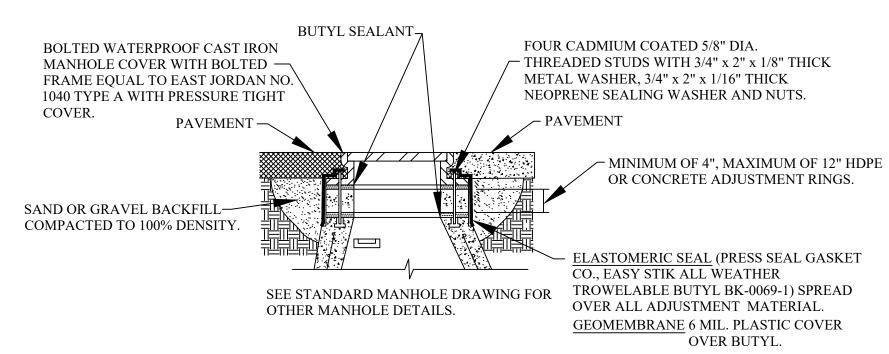


## FLAT TOP MANHOLE

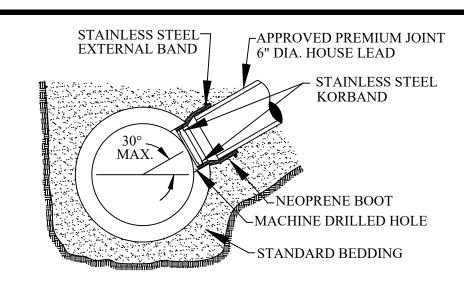


## ADJUSTMENT DETAIL FOR MANHOLE TOPS WITHIN FLOOD PRONE AREAS

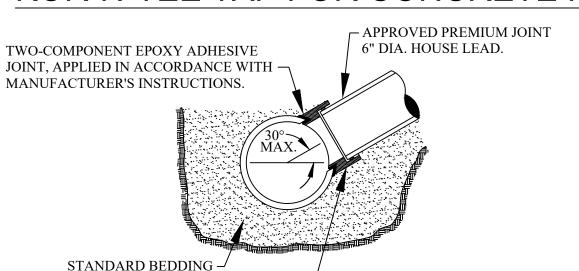
FOR OTHER MANHOLE DETAILS



## ADJUSTMENT DETAIL MANHOLE TOPS WITHIN PAVEMENT AREAS



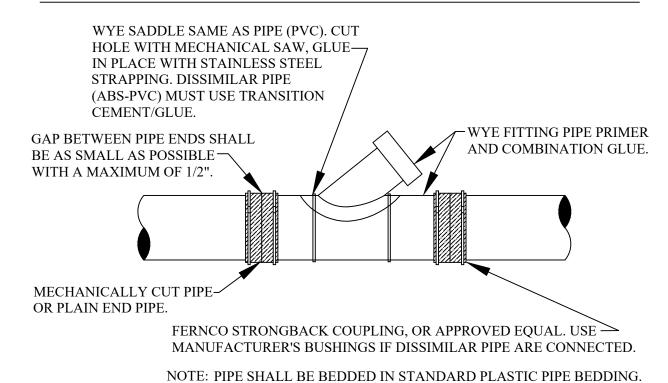
## KOR-N-TEE TAP FOR CONCRETE PIPE



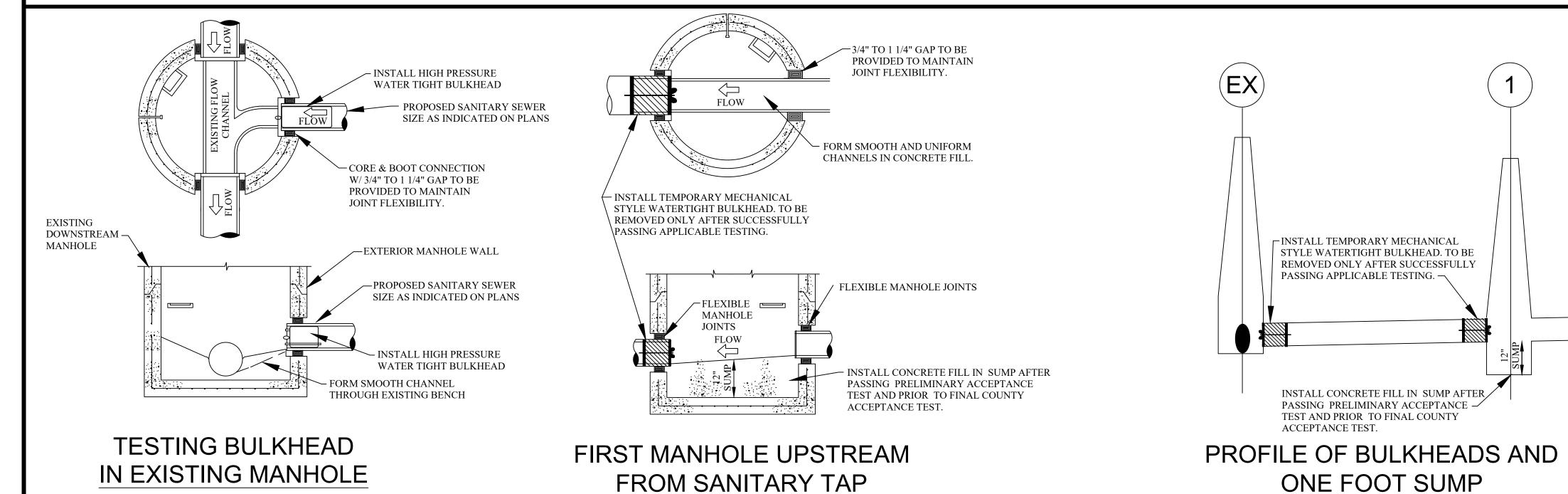
CAST IRON OR CAST ALUMINUM OR PLASTIC PREMIUM JOINT SADDLE, SEWER TAP OR EQUAL. TO BE INSERTED IN MACHINE- DRILLED HOLE DESIGNED FOR THE PARTICULAR SADDLE.

NOTE: SURFACE OF MAIN SEWER SHALL BE CLEANED WITH AN ABRASIVE GRINDER PRIOR TO EPOXY APPLICATION. DUE TO VARIATION OF SET-UP TIME OF EPOXY ADHESIVE WITH TEMPERATURE, ANCHOR STRAPS SHALL BE USED TO SECURE SADDLE IN POSITION IN COLD WEATHER OR WHENEVER WORK IS TO PROCEED PRIOR TO COMPLETE CURE OF EPOXY.

## SEWER TAP-OVER 12" MAIN SEWER PIPES VITRIFIED CLAY



# WYE SADDLE OR WYE PIPE INSERTION WITH FLEXIBLE COUPLINGS (RIGID PIPE)



## CITY OF ROCHESTER HILLS GRAVITY BUILDING LEAD REQUIREMENTS AND DETAILS

- 1. ALL BUILDING LEAD WORK MUST BE PERFORMED UNDER THE CITY OF ROCHESTER HILLS INSPECTION
- 2. FOR ALL CITY OF ROCHESTER HILLS SYSTEMS CALL 248-841-2510 48-HOURS PRIOR TO SCHEDULING INSPECTION.
- FOR ALL OCWRC-OPERATED SYSTEMS, CALL 248-858-1110 48-HOURS IN ADVANCE PRIOR TO SCHEDULING INSPECTION.
- 3. SANITARY SEWER MAY NOT BE USED AS A DE-WATERING OUTLET.
- 4. FITTINGS SHALL BE OF THE SAME MATERIAL AS THE PIPE. FERNCO STRONGBACK COUPLING (OR APPROVED EQUAL) IF DISSIMILAR PIPES ARE CONNECTED. IF DISSIMILAR FITTINGS MUST BE USED, TRANSITION CEMENT/GLUE IS REOUIRED.
- 5. APPROVED BUILDING LEAD PIPE FOR GRAVITY SEWER LEADS:
- A.PVC PLASTIC, ASTM D3034, SDR 23.5
- B.SOLID WALL PVC SCHEDULE 40, ASTM D-2665
- C. ANY DEVIATIONS FROM ABOVE SPECIFICATIONS REQUIRES APPROVAL BY CITY ENGINEER.
- 6. FOR 6" LEADS A CLEANOUT MUST BE INSTALLED EVERY 100 FT. FOR 4" LEADS A CLEANOUT MUST BE INSTALLED EVERY 50 FT. 90° BENDS NOT ALLOWED EXCEPT FROM THE HORIZONTAL TO THE VERTICAL WITHIN 5 FEET OF THE BUILDING.

## CITY OF ROCHESTER HILLS SANITARY SEWER SYSTEM AS-BUILT DRAWING SPECIFICATIONS

IN AREAS WHERE SANITARY SEWER SYSTEMS ARE OPERATED AND MAINTAINED BY THE CITY OF ROCHESTER HILLS DEPARTMENT OF PUBLIC SERVICES, PRELIMINARY ACCEPTANCE OF THE SANITARY SEWER SYSTEM MUST BE RENDERED BY THE DEPARTMENT OF PUBLIC SERVICES, BEFORE THE SYSTEM CAN BE USED FOR THE SERVICE INTENDED.

ONE ITEM REQUIRED FOR PRELIMINARY ACCEPTANCE SHALL BE THE SUBMISSION OF AS-BUILT DRAWINGS TO THE CITY OF ROCHESTER HILLS ENGINEERING DIVISION, BY THE DESIGN ENGINEER. AS-BUILT DRAWINGS SHALL BE DEFINED AS AND CONTAIN THE FOLLOWING INFORMATION:

- 1. FINAL AS-BUILT DRAWINGS SHALL BE PROVIDED IN REPRODUCIBLE PDF FORMAT VIA DIGITAL STORAGE MEDIA. XEROX OR ANY HEAT PROCESS REPRODUCTIONS WILL NOT BE ACCEPTED.
- 2. ALONG WITH THE PDF PLAN SET PROVIDE TWO (2) SETS OF BLACK-LINED DRAWINGS AND THE PLANS ON ELECTRONIC MEDIA IN AUTOCAD FORMAT (LATEST VERSION).
- 3. THE COVER SHEET SHALL BE SEALED BY THE PROJECT DESIGN ENGINEER, ALONG WITH THE FOLLOWING CERTIFICATION STATEMENT.

I HEREBY CERTIFY THAT OUR FIRM HAS PREPARED THESE AS-BUILT DRAWINGS OF THE IMPROVEMENTS AS CONSTRUCTED, AND THAT TO THE BEST OF MY KNOWLEDGE THOSE IMPROVEMENTS NOTED AS "AS BUILT" WERE CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS; AND ALSO THAT THE SANITARY SEWER AND STRUCTURES, AS CONSTRUCTED, LIE WITHIN THE EASEMENT DESCRIPTIONS REQUIRED BY THE CITY OF ROCHESTER HILLS.

(COMPANY NAME)

(ENGINEER'S SIGNATURE)

PROFESSIONAL ENGINEER NO. \_\_\_\_\_\_

ENGINEER SEAL

- 4. THE MAXIMUM SCALE SHALL BE ONE (1) INCH EQUALS FIFTY (50) FEET
- 5. THE SIZE, LENGTH, CLASS AND MANUFACTURER OF PIPE INSTALLED SHALL BE INDICATED
- 6. THE SIZE, MANUFACTURER AND MODEL NUMBERS OF ALL VALVES AND PUMPS INSTALLED SHALL BE INDICATED.
- 7. A TOTAL AS-BUILT DRAWING QUANTITY LIST SHALL BE INCLUDED
- 8. THE LOCATIONS SHALL BE SHOWN ON THE PLANS WITH AN ACCURACY OF ONE (1) FOOT.
- 9. THE OFFSET OF THE SANITARY MAIN FROM PROPERTY LINES SHALL BE INDICATED.
- 10. ALL MANHOLES, VALVE WELLS, PUMPS AND ALL SANITARY SYSTEM APPURTENANCES SHALL BE LOCATED FROM TWO FIXED OBJECTS (MANHOLES, BUILDING CORNERS ETC.).
- 11. ALL UNDERGROUND APPURTENANCES, SUCH AS TFC/ARV WELLS, METER PITS, GRINDER PUMPS AND PUMP STATION PITS, ETC. SHALL BE LOCATED FROM THE NEAREST MANHOLE THAT IS CONNECTED TO THE SAME SANITARY MAIN AS THE APPURTENANCE.
- 12. THE ACCURATE LOCATION OF ALL UTILITY CROSSINGS WHERE THE VERTICAL SEPARATION IS LESS THAN 18" SHALL BE NOTED.
- 13. AS-BUILTS SHALL BE PREPARED IN ACCORDANCE WITH CITY OF ROCHESTER HILLS AS-BUILT GUIDELINES AS PROVIDED AT THE PRE-CONSTRUCTION MEETING.



REVISIONS

DATE

APPROVED BY

CITY COUNCIL, DATE: SEPTEMBER 23, 2019

PREPARED BY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC SERVICES

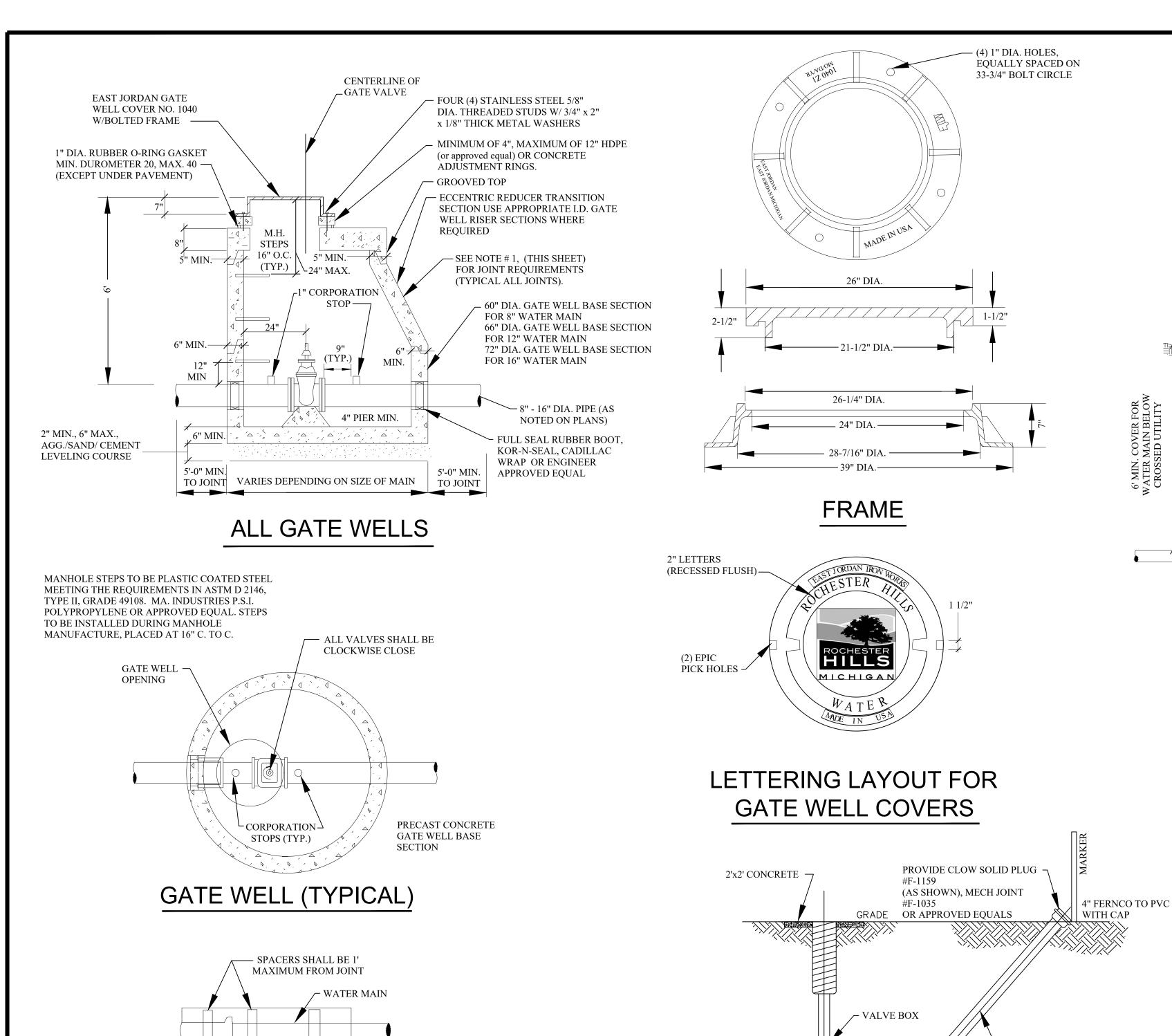
NOTIFY ROCHESTER HILLS ENGINEERING DIVISION @ 248-841-2510 48 HRS. PRIOR TO START OF CONSTRUCTION City of Rochester Hills 1000 Rochester Hills Drive, Rochester Hills, Michigan 48309

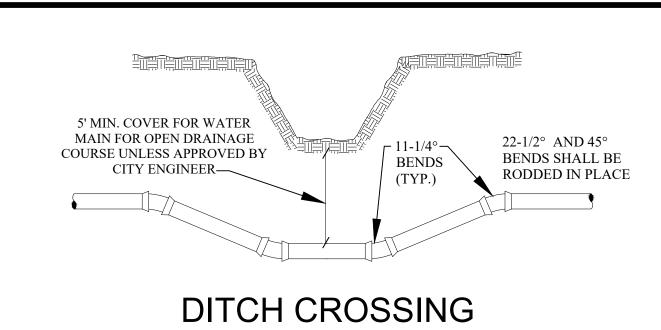
SANITARY SEWER STANDARD DETAILS

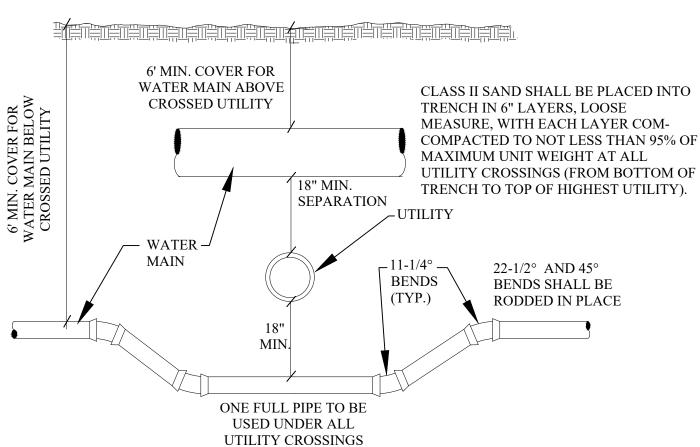
NOT TO SCALE

DATE: 1/10/2019

SHEET 2 OF 2

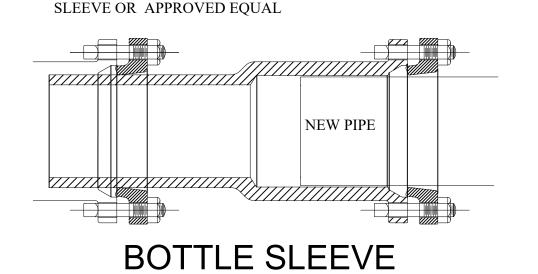


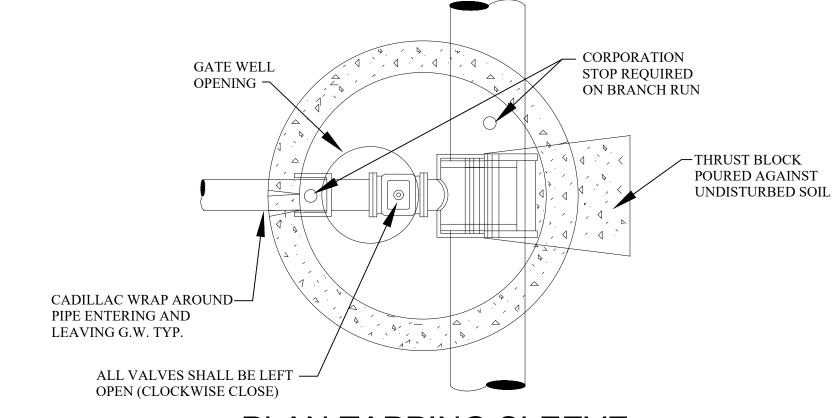




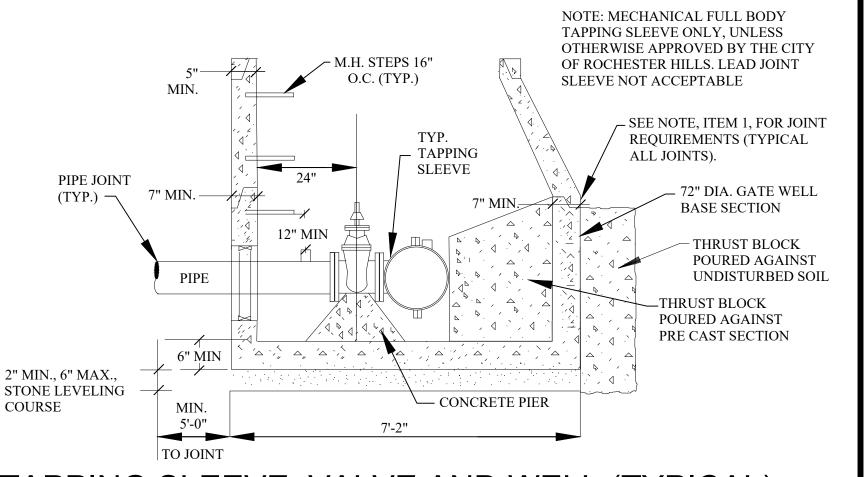
## UTILITY CROSSING

EAST JORDAN MJ x PE DUAL-PURPOSE CUTTING-IN





## PLAN TAPPING SLEEVE VALVE & WELL (TYPICAL)

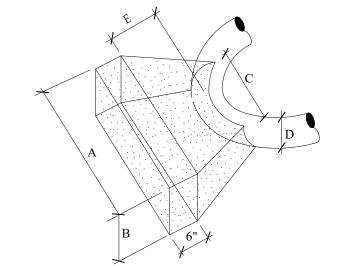


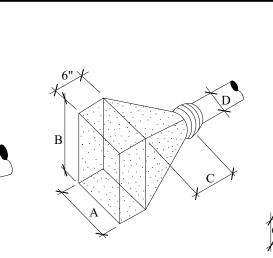
## TAPPING SLEEVE, VALVE AND WELL (TYPICAL)

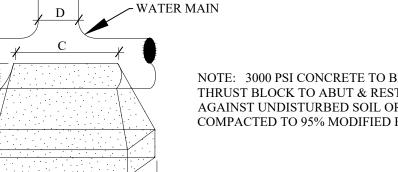
#### NOTES:

- ALL PRECAST CONCRETE GATE WELL SECTIONS SHALL BE MANUFACTURED TO CONFORM WITH A.S.T.M. C478,

- FOR ALL PIPE USE A 1" CORPORATION STOP. NO CORPS SHALL BE USED IN CONCRETE PRESSURE PIPE
- RUBBER O-RINGS SHALL NOT BE USED IN PAVEMENT







THRUST BLOCK TO ABUT & REST AGAINST UNDISTURBED SOIL OR EARTH

| 5'<br>IIN. |  |  |  |
|------------|--|--|--|
|            |  |  |  |
|            |  |  |  |

FOR PLUGS 4' 2.5' 2' 1.5' 8" 2'-10" 2'-6" 6" 2' 1.5' 2' 1.25' 1'-6" 1'-6"

| , | D   | A     | В     | С    | E MIN. |
|---|-----|-------|-------|------|--------|
|   | 20" | 6.5'  | 4.5'  | 3.5' | 3'     |
|   | 16" | 4'-8" | 4'-8" | 2.5' | 2.75'  |
|   | 12" | 4'    | 3'    | 2.5' | 2.5'   |
|   | 10" | 3'    | 2'    | 2'   | 2.25'  |
|   | 8"  | 2'-6" | 2'    | 2'   | 2.25'  |
|   | 6"  | 2'    | 2'    | 2'   | 2.25'  |
|   |     |       |       |      |        |

FOR TEES



## THRUST BLOCK DETAILS

CORPORATION STOP -

- 4" D.I. PIPE

ROADWAY -**PAVEMENT** 

-45° BEND WITH

TYPICAL PUBLIC ROAD WATER

SERVICE CONNECTION

PIER CONCRETE

**DETAIL OF 4" BLOWOFF** 

200 PSI POLY OR COPPER

SERVICE TUBING

PROPERTY LINE

WATER MAIN STANDARD DETAILS

| NOT TO SCALE |   | DATE: 1/10/20 |               |
|--------------|---|---------------|---------------|
| HEET         | 1 | OF 2          | REV 04/22/202 |

REVISIONS APPROVED BY SEPTEMBER 23, 2019 PREPARED BY ENGINEERING DIVISION DEPARTMENT OF PUBLIC SERVICES

SUPPORT FOR WATER MAIN

CONSTRUCTED IN CASING PIPE

WATER MAIN IN CASING SECTION

TREATED WOOD OR

TO BE BULKHEADED AT THE ENDS

PRE-MANUFACTURED SPACER OR

MANUFACTURED WOOD SPACER

**POLYETHYLENE** 

RUNNER (TYP.)

PIPE JOINTS SHALI

UNLESS OTHERWISE SPECIFIED, MINIMUM

GRADE B, WALL THICKNESS AS FOLLOWS:

3 RUNNERS

0.375

0.500

CASING PIPE SHALL BE ASTM A-139

REQUIRED QUANTITY OF RUNNERS

16" TO 36" DIA 6 RUNNERS

ENGINEERING DIVISION @ 248-841-2510 48 HRS. PRIOR TO START OF CONSTRUCTION

MEGA LUG ON ALL -

MIN.

MECHANICAL

City of Rochester Hills

1000 Rochester Hills Drive, Rochester Hills, Michigan 48309

RIGHT-OF-WAY/

PROPERTY LINE

CURB STOP -

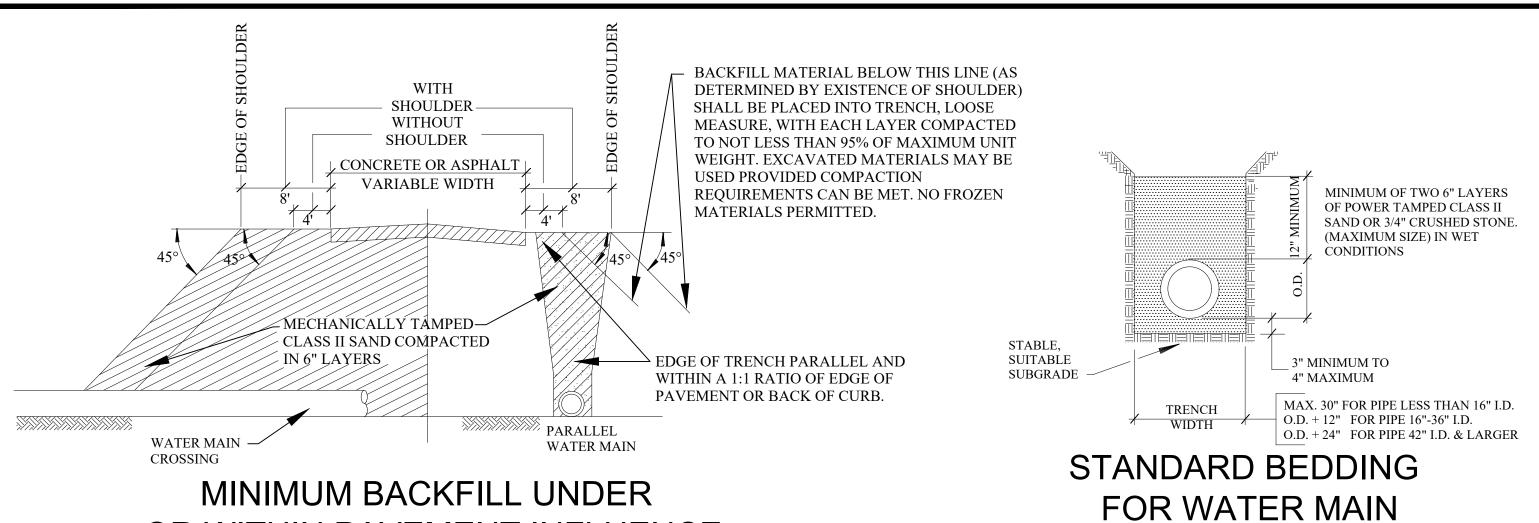
2. LATERAL LOCATION SHALL BE AS REQUESTED

3. ROCHESTER HILLS DPS PERFORMS SERVICE

BY THE ABUTTING PROPERTY OWNER.

LEAD TAPS UP TO 2" DIAMETER.

CORPORATION STOP



ON HYDRANT LEAD TO MAINTAIN

MAXIMUM 6'-0" BURY WHERE WATER

MAIN DEPTH IS GREATER THEN 6'-0"

CONCRETE THRUST

**BLOCK POURED AGAINST** UNDISTURBED SOIL OR

EARTH COMPACTED TO

95% MODIFIED PROCTOR

## OR WITHIN PAVEMENT INFLUENCE

FINISH GRADE TO BE 4" BELOW HYDRANT

BREAKAWAY FLANGE

CONC. THRUST BLOCK

UNDISTURBED EARTH

**VARIABLE** 

IF USING 2'

LENGTH D.I. PIPE

POURED AGAINST

ALL HYDRANTS TO BE FULLY

2. TO BE INSTALLED IN ALL PAVED

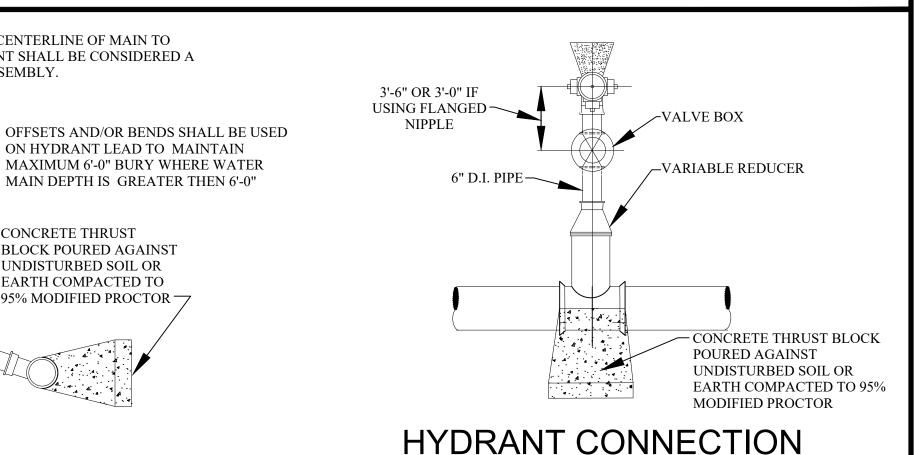
REVISIONS

AREAS WHERE VEHICLE EQUIPMENT DAMAGE TO HYDRANT IS POSSIBLE

RESTRAINED BY MECHANICAL

JOINTS APPROVED BY ENGINEERS.

THRUST BLOCKS ALSO REQUIRED.



(TYPICAL)

## HYDRANT SIDE **OUTLET OPTION**

BOX ON BRICKS

CONCRETE THRUST BLOCK

WHEN TOTAL LENGTH

POURED AGAINST UNDISTURBED

SOIL OR EARTH COMPACTED TO

SEPTEMBER 23, 2019

PREPARED BY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC SERVICES

GREATER THAN 20').

- MEGALUG (TYP)

POURED AGAINST UNDISTURBED

SOIL OR EARTH COMPACTED TO

HYDRANTS SHALL NOTE: ALL WORK FROM CENTERLINE OF MAIN TO

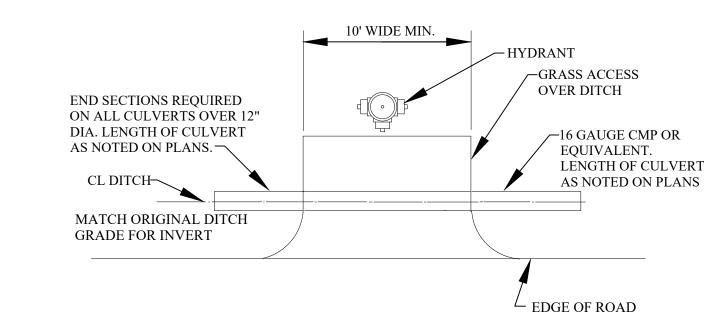
PUMPER NOZZLE TO COMPLETE HYDRANT ASSEMBLY.

- VALVE BOX

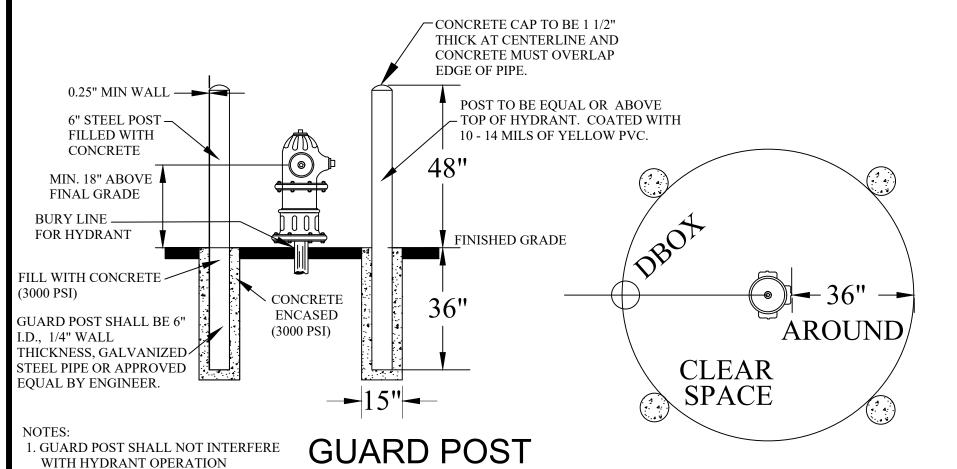
6" GATE VALVE

- MEGALUG (TYP)

BE FIELD PAINTED. AND INCLUDING HYDRANT SHALL BE CONSIDERED A



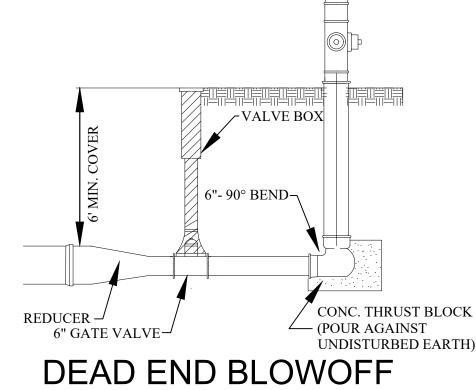
## 95% MODIFIED PROCTOR HYDRANT SIDE **OUTLET OPTION**



APPROVED BY

CITY COUNCIL, DATE:

DITCH ENCLOSURE AT HYDRANT/ GATE WELL



CONNECTION

**HYDRANT & BLOWOFF DETAILS** 

NOTIFY ROCHESTER HILLS

ENGINEERING DIVISION @ 248-841-2510 48 HRS. PRIOR

TO START OF

CONSTRUCTION

## **GENERAL NOTES**

- 1. ALL CONSTRUCTION PROCEDURES AND MATERIALS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER HILLS.
- 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

LAYERS TO TOP OF HIGHEST UTILITY.

PROPERLY ANCHORED.

- 4. ALL WATER MAIN EASEMENTS SHALL BE PROVIDED PRIOR TO CONSTRUCTION AND ACCEPTANCE OF THE WATER
- 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
- 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 1/2° OR 45° BENDS MUST BE RODDED AND
- SPECIFICATIONS FOR PRECAST 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. C 443, STANDARD SPECIFICATION FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE USING RUBBER GASKETS
- 10. CONTRACTOR SHALL INSTALL VALVES, TAPPING SLEEVES AND GATE WELL STRUCTURES IN STRICT COMPLIANCE WITH MEASUREMENTS PROVIDED ON SHEET 1 (2'-0" BETWEEN GATE WELL WALL & CENTERLINE OF OPERATING NUT) TO ALLOW PROPER OPERATION OF VALVE THROUGH GATE WELL OPENING.
- 11. 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 WATER RESOURCE COMMISSIONER OPERATION AND MAINTENANCE DIVISION AND THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF DRINKING WATER AND RADIOLOGICAL PROTECTION.
- 12. 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.
- 13. 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 SERVICE

## WATER MAIN MATERIALS NOTES

- . TEMPORARY CONNECTIONS. WHICH MAY BE MADE FOR CHLORINATING AND FLUSHING PURPOSES. SHALL INCLUDE A TESTABLE DOUBLE CHECK VALVE BACKFLOW PREVENTER WITH CURRENT CERTIFICATION.
- 2. CORPORATION STOPS USED FOR INSERTION INTO MAINS SHALL BE FORD TYPE B-44. ALL STOPS SHALL HAVE BRONZE CAST
- BODIES, KEYS, STEM WASHERS AND NUTS, INLET THREADS SHALL CONFORM TO THE LATEST VERSION OF AWWA C800.
- 3. ALL DUCTILE IRON PIPE (D.I.P.) WATER MAIN SHALL BE DESIGNED FOR 150 PSI MINIMUM WORKING PRESSURE. A ZINC COATING WITH CLASS 52 MAY BE PROPOSED AND IS SUBJECT TO FINAL DECISION FOR APPROVAL BY THE CITY ENGINEER.
- 4. THE DUCTILE IRON PIPE TO BE FURNISHED AND DELIVERED UNDER THIS SPECIFICATION SHALL MEET ALL THE REOUIREMENTS OF THE CURRENT AWWA C151 (ANSI A21.5), EXCEPT AS OTHERWISE SPECIFIED HEREIN, PIPE SHALL BE DOUBLE CEMENT-LINED AND SEAL COATED WITH AN APPROVED BITUMINOUS SEAL COAT IN ACCORDANCE WITH AWWA C104 (ANSI A21.4).
- 5. DUCTILE IRON PIPE SHALL BE CLASS 54 FOR SIZES THREE (3) INCH THROUGH TWENTY (20) INCHES SIZE. TWENTY-FOUR (24) INCH AND LARGER SHALL BE CLASS 55 DUCTILE IRON PIPE
- 6. PIPES TWENTY-FOUR (24) INCHES AND LARGER IN NOMINAL DIAMETER SHALL MEET ALL THE REQUIREMENTS OF THE CURRENT AWWA C100 FOR DUCTILE IRON WATER PIPE.
- 7. MECHANICAL JOINTS FOR DUCTILE IRON WATER MAIN SHALL BE IN ACCORDANCE WITH AWWA C111 (ANSI A21.11).
- 8. FLANGE JOINTS FOR DUCTILE IRON WATER MAIN SHALL BE IN ACCORDANCE WITH AWWA C110 (ANSI A21.10).
- 9. FITTINGS FOR DUCTILE IRON PIPE SHALL BE DUCTILE IRON AND SHALL MEET REQUIREMENTS OF AWWA C110 (ANSI A21.10) OR AWWA C153 (ANSI A21.53). DUCTILE IRON FITTINGS SHALL BE RATED FOR 350 PSI, PIPE SIZES TWENTY-FOUR (24) INCH DIAMETER AND LESS, AND 250 PSI FOR PIPE SIZES OVER TWENTY-FOUR (24) INCH DIAMETER. DUCTILE IRON FLANGE FITTINGS SHALL BE RATED FOR 250 PSI FOR ALL PIPE DIAMETERS.
- 10. ALL DUCTILE IRON PIPE, FITTINGS AND HYDRANTS SHALL BE ENCASED WITH POLYETHYLENE ENCASEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF A.N.S.I./A.W.W.A. STANDARD SPECIFICATION D1248 AND AWWA C105. POLYETHYLENE TUBE MATERIAL SHALL HAVE A THICKNESS OF .008" (8-MILS). ADHESIVE TAPE SHALL BE A GENERAL PURPOSE ADHESIVE TAPE 2" WIDE AND APPROXIMATELY 10-MILS THICK, SUCH AS SCOTCHRAP. NO.50, POLYKEN NO. 900.

## VALVE AND SLEEVE NOTES

- 1. GATE VALVES, SIZES THREE (3) INCH THROUGH SIXTEEN (16) INCH AND TAPPING VALVES SHALL MEET THE CITY OF ROCHESTER HILLS STANDARD AS DETAILED WITH NON-RISING STEM. (EAST JORDAN, AMERICAN FLOW CONTROL, MUELLER)
- 2. ALL IN LINE GATE VALVES EIGHT (8) INCH AND LARGER SHALL BE IN WELLS. SPECIFICATIONS SHALL INCLUDE THE DIRECTION OF OPERATION OF ALL VALVES (CLOCKWISE CLOSURE). VALVE BOX USE TO BE APPROVED BY ENGINEERING DIVISION 3. ALL GATE WELL COVERS SHALL BE CITY OF ROCHESTER HILLS STANDARD AS DETAILED
- MECHANICALLY ATTACHED TO THE OPERATING NUT. DETAILS OF THE EXTENSION SYSTEM AND THE METHOD OF INSTALLATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION
- BUTTERFLY VALVES SHALL BE USED FOR VALVES GREATER THAN 16-INCH DIAMETER AND SHALL BE MODEL 2F11 AS MANUFACTURED BY HENRY PRATT COMPANY OR APPROVED EQUAL
- 6. TAPPING VALVES SHALL BE SERIES "A" AS MANUFACTURED BY EAST JORDAN OR RESILIENT SEATED GATE VALVES AS APPROVED BY THE CITY OF ROCHESTER HILLS ENGINEERING SERVICES.
- 7. TAPPING SLEEVES SHALL BE MANUFACTURED BY ROMAC INDUSTRIES; MUELLER; EAST JORDAN; SMITH-BLAIR OR APPROVED EQUAL AND APPROVED BY THE CITY OF ROCHESTER HILLS. FULL BODY SLEEVES MUST BE USED EXCEPT FOR REINFORCED CONCRETE PRESSURE PIPE OR A.C. PIPE.

## HYDRANT REQUIREMENTS

- 1. ALL HYDRANTS SHALL BE CONSTRUCTED WITH A SIX (6) INCH COMPANION GATE VALVE IN A THREE (3) PIECE, ADJUSTABLE DUCTILE IRON VALVE BOX, WHICH SHALL INCLUDE A FIVE AND ONE-QUARTER (5-1/4) INCH SCREW SHAFT. VALVE BOXES SHALL BE SERIES 6860 AS MANUFACTURED BY TYLER PIPE OR APPROVED EQUAL
- . ALL HYDRANTS SHALL BE EAST JORDAN NO. 5-BR-250 TRAFFIC MODEL, OR CITY APPROVED EQUAL

SELF-DRAINING HYDRANTS SHALL NOT BE USED. HYDRANTS SHALL HAVE BREAKAWAY FLANGE.

- 3. ALL HYDRANTS SHALL BE PAINTED RED ABOVE GROUND WITH A FINISH COAT OF RUST-OLEUM SAFETY RED OR APPROVED EQUAL. HYDRANT CAPS SHALL BE PAINTED SAME COLOR AS THE HYDRANT.
- 4. ALL FIRE HYDRANT JOINTS SHALL BE TOTALLY RESTRAINED BY THE USE OF RESTRAINED JOINT. THRUST BLOCKS ARE ALSO REQUIRED.

## ACCEPTANCE OF NEW WATER MAINS

- 1. PRIOR TO WATER MAIN ACCEPTANCE THE FOLLOWING CONDITIONS MUST BE MET: 1) PRESSURE TESTING AND BACTERIA TESTING MUST BE COMPLETED IN ACCORDANCE WITH THE CITY OF ROCHESTER HILLS 2) ALL EASEMENT AND RIGHT-OF-WAY ACQUISITION MUST BE ACCEPTED BY THE CITY OF ROCHESTER HILLS ENGINEERING SERVICES DRAWINGS" MUST BE ACCEPTED AND APPROVED BY THE CITY OF ROCHESTER HILLS, ENGINEERING SERVICES. THE CITY OF ROCHESTER HILLS INSPECTION DIVISION MUST WITNESS THE CONNECTION OF THE WATER MAIN TO THE
- 2. THE CONTRACTOR SHALL NOTIFY THE CITY OF ROCHESTER HILLS, INSPECTION DEPARTMENT (248.841.2510) FOR PRESSURE TESTING, BACTERIOLOGICAL SAMPLING, CONNECTIONS TO EXISTING WATER MAIN AND FINAL FIELD REVIEW. A FORTY-EIGHT (48) HOUR ADVANCE NOTICE IS REQUIRED.
- 3. THE CONTRACTOR SHALL DISINFECT AND PRESSURE TEST ALL NEW WATER MAIN IN ACCORDANCE WITH ROCHESTER HILLS STANDARDS. THE WATER MAIN SHALL PASS A 150 PSI PRESSURE TEST FOR A TWO (2) HOUR PERIOD. WATER LOSS SHALL NOT EXCEED A RATE OF 11.65 U.S. GALLONS PER INCH DIAMETER PER MILE OF WATER MAIN IN TWENTY-FOUR (24) HOURS.
- 4. WHERE CONTRACTOR SUPPLIED GAUGES ARE REQUIRED, MINIMUM SIZE SHALL BE 3 1/2" DIAMETER OR LARGER GRADUATED IN ONE (1) OR TWO (2) POUND INCREMENTS FROM 1 TO 160 P.S.I. OR HIGHER AND HAVE
- 5. PRESSURE TESTING AND BACTERIA TESTING MUST BE COMPLETED AND APPROVED PRIOR TO CONNECTING TO THE EXISTING WATER MAIN.

## CITY OF ROCHESTER HILLS WATER SYSTEMS AS-BUILT DRAWING SPECIFICATIONS

IN AREAS WHERE WATER SYSTEMS ARE OPERATED AND MAINTAINED BY THE CITY OF ROCHESTER HILLS DEPARTMENT OF PUBLIC SERVICES, FINAL ACCEPTANCE OF THE WATER SYSTEM MUST BE RENDERED BY THE DEPARTMENT OF PUBLIC SERVICES, BEFORE THE SYSTEM CAN BE USED FOR THE SERVICE INTENDED

ONE ITEM REQUIRED FOR FINAL ACCEPTANCE SHALL BE THE SUBMISSION OF AS-BUILT DRAWINGS TO THE CITY OF ROCHESTER HILLS, DPS, BY THE DESIGN ENGINEER. AS-BUILT DRAWINGS SHALL BE DEFINED AS AND CONTAIN THE FOLLOWING INFORMATION:

- 1. FINAL AS-BUILT DRAWINGS SHALL BE PROVIDED IN REPRODUCIBLE PDF FORMAT VIA DIGITAL STORAGE MEDIA. XEROX OR ANY HEAT PROCESS REPRODUCTIONS WILL NOT BE ACCEPTED.
- 2. ALONG WITH THE PDF PLAN SET PROVIDE TWO (2) SETS OF BLACK-LINED DRAWINGS AND THE PLANS ON ELECTRONIC MEDIA IN AUTOCAD FORMAT
- 3. EACH AND EVERY SHEET SHALL BE SEALED BY THE DESIGN ENGINEER, ALONG WITH THE FOLLOWING CERTIFICATION STATEMENT ON THE COVER SHEET:

| I HEREBY CERTIFY THAT OUR FIRM HAS PREPARED THESE AS-BUILT DRAWINGS OF THE IMPROVEMENTS AS CONSTRUCTED, AND THAT TO THE BEST OF MY KNOWLEDGE THOSE IMPROVEMENTS NOTED AS "AS BUILT" WERE CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS; AND ALSO THAT THE WATER MAIN AND STRUCTURES, AS CONSTRUCTED, LIE WITHIN THE EASEMENT DESCRIPTIONS REQUIRED BY THE CITY OF ROCHESTER HILLS. |
|--|
| (COMPANY NAME)   |
| (ENGINEER'S SIGNATURE)   |
| PROFESSIONAL ENGINEER NO.  |

- 5. THE SIZE, LENGTH, CLASS AND MANUFACTURER OF PIPE INSTALLED SHALL BE INDICATED
- 6. THE SIZE, BRAND AND MODEL NUMBERS OF ALL VALVES AND HYDRANTS INSTALLED SHALL BE INDICATED
- 7. A TOTAL AS-BUILT DRAWING QUANTITY LIST SHALL BE INCLUDED, AS WELL AS AN AS-BUILT DRAWING QUANTITY LIST ON EACH INDIVIDUAL SHEET.
- 8. THE LOCATIONS SHALL BE SHOWN ON THE PLANS WITH AN ACCURACY OF ONE (1) FOOT.
- 9. THE OFFSET OF THE WATER MAIN FROM PROPERTY LINES SHALL BE INDICATED.
- 10. ALL GATE VALVE WELLS, HYDRANTS AND ALL WATER SYSTEM APPURTENANCES SHALL BE LOCATED FROM TWO FIXED OBJECTS (MANHOLES, BUILDING CORNERS ECT.).
- 11. ALL UNDERGROUND APPURTENANCES, SUCH AS GATE VALVE WELLS, METER PITS, PRESSURE REDUCING VALVE PITS, ETC. SHALL BE LOCATED FROM THE NEAREST HYDRANT THAT IS CONNECTED TO THE SAME WATER MAIN AS THE APPURTENANCE
- 12. THE LOCATION AND SIZE OF EVERY RESTRAINED JOINT SHALL BE NOTED

4. THE MAXIMUM SCALE SHALL BE ONE (1) INCH EQUALS FIFTY (50) FEET.

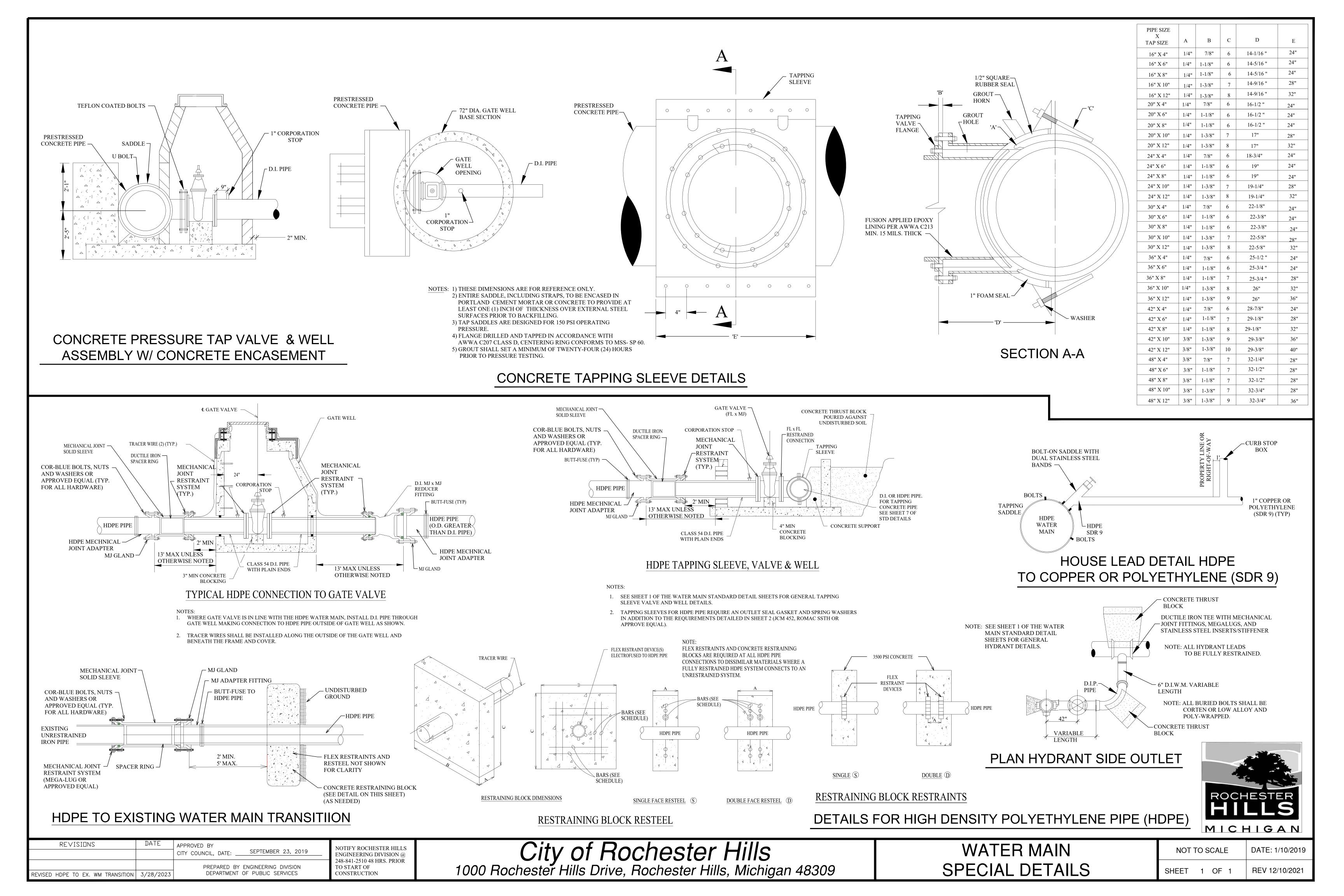
- 13. THE ACCURATE LOCATION OF ALL UTILITY CROSSINGS WHERE THE VERTICAL SEPARATION, IS LESS THAN 18" SHALL BE NOTED.
- 14. AS-BUILT SHALL BE PREPARED IN ACCORDANCE WITH THE CITY OF ROCHESTER HILLS AS-BUILT GUIDELINES AS PROVIDED AT THE PRE-CONSTRUCTION MEETING



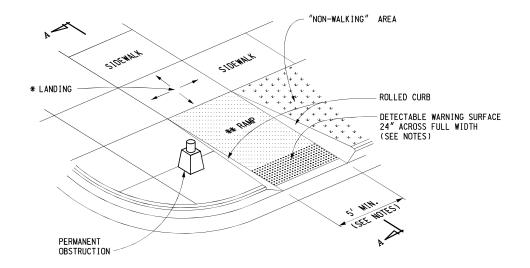
ENGINEER SEAL

## City of Rochester Hills 1000 Rochester Hills Drive, Rochester Hills, Michigan 48309

SHEET 2 OF 2

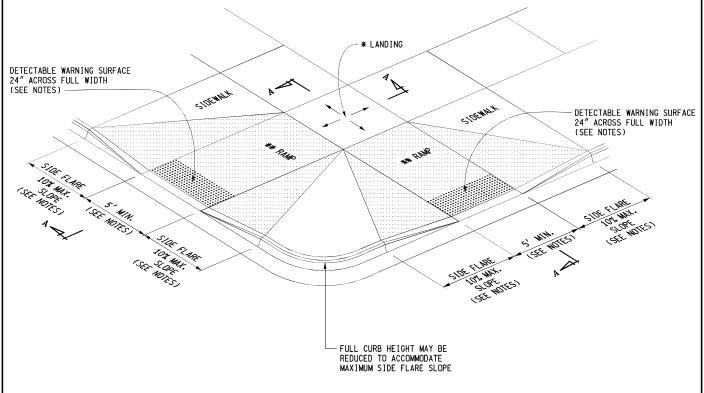


- \* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. LANDING MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.
- \*\* MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5%-7% (8.3% MAXIMUM). SEE NOTES.



#### CURB RAMP TYPE R

(ROLLED SIDES)



#### CURB RAMP TYPE F

(FLARED SIDES, TWO RAMPS SHOWN)

Moltigan Department of Transportation

PREPARED
BY
DESIGN DIVISION

DRAWN BY: B.L.T.

CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR Paul C. Ajegba

Gregg Brunner, P.E. Gregg Brunner
Oct 14 2021 12:32 PM

DIRECTOR, BUREAU OF FIELD SERVICES

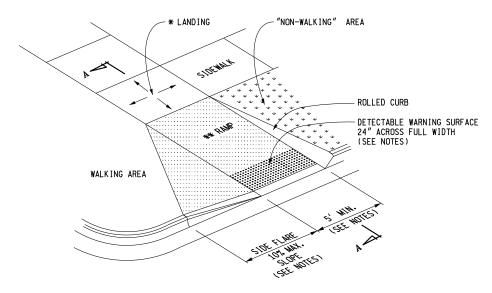
Bradley C. Wieferich Oct 14 2021 11:01 AM

 MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR

## CURB RAMP AND DETECTABLE WARNING DETAILS

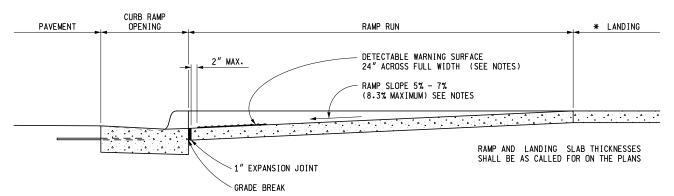
4-7-2022 F.H.W.A. APPROVAL PLAN DATE R-28-J SHEET 1 OF 7

- \* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. LANDING MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.
- \*\* MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5%-7% (8.3% MAXIMUM). SEE NOTES.



#### CURB RAMP TYPE RF

(ROLLED / FLARED SIDES)



#### SECTION A-A

|           |     |                    | *** TRANSITION ADJACENT GUTTER PAN   |
|-----------|-----|--------------------|--|
| CURB TYPE | RI  | IMUM<br>SE<br>HES) | CROSS SECTION TO PROVIDE 5.0%  PAVEMENT SHALL END FLUSH MAXIMUM COUNTER SLOPE ACROSS WITH THE GUTTER PAN THE RAMP OPENING. |
|           | Α   | В                  | / MATCH RAMP SLOPE RAMP SHALL END  |
| B1        | 3/4 | 1                  | NOT TO EXCEED / FLUSH WITH BACK MAXIMUM RISE B / OF CURB   |
| B2        | 3/4 | 1                  | MAXIMUM RISE B   |
| B3        | 3/4 | 1                  | *** 5.0% MAX.  |
| D1        | 3/4 | 1                  |  |
| D2        | 3/4 | 1                  |  |
| D3        | 3/4 | 1                  | A A A A A A A A A A A A A A A A A A A  |
| C1        | 1/2 | 1/2                |  |
| C2        | 1/2 | 1/2                |  |
| C3        | 3/4 | 1/2                |  |
| C4        | 3/4 | 1/2                | LANE TIE AND REINFORCEMENT   |
| C5        | 1   | 1/2                | AS IN ADJACENT CURB & GUTTER SEE STANDARD PLAN R-30-SERIES   |
| C6        | 1   | 1/2                |  |
| F1        | 1/2 | 1/2                | SECTION THROUGH CURB RAMP OPENING  |

FOR CURB TYPES SEE STANDARD PLAN R-30-SERIES

3/4

F3

F4

F5

F6

1/2

1/2

1/2

1/2

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR

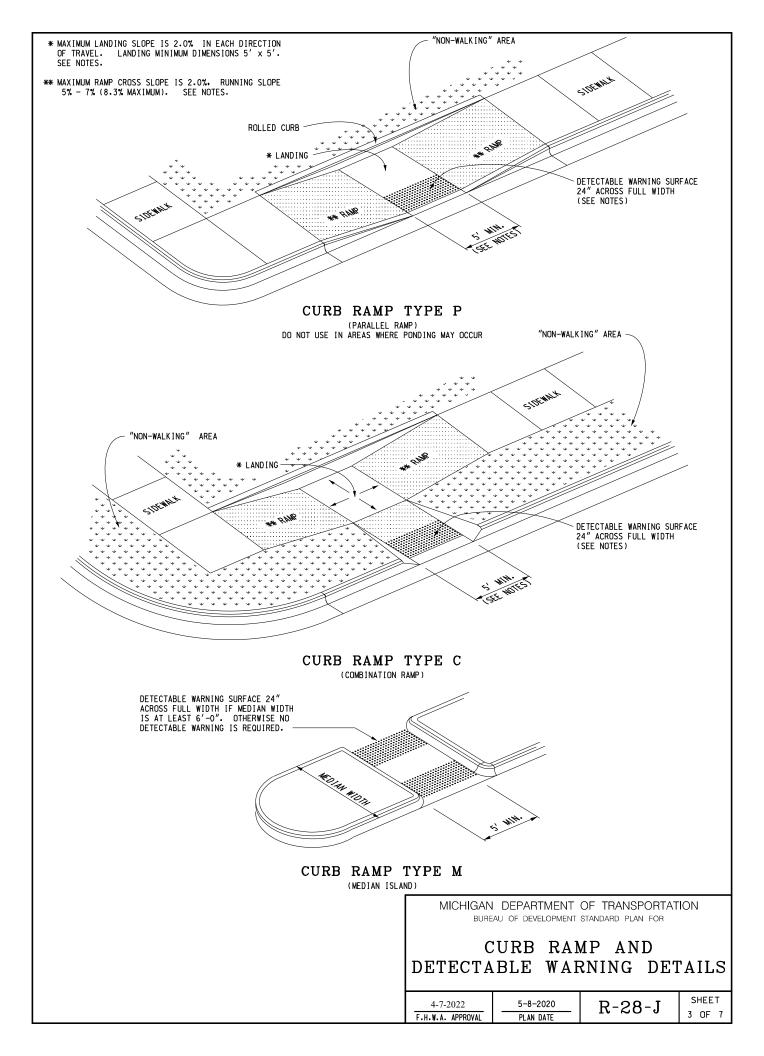
#### CURB RAMP AND DETECTABLE WARNING DETAILS

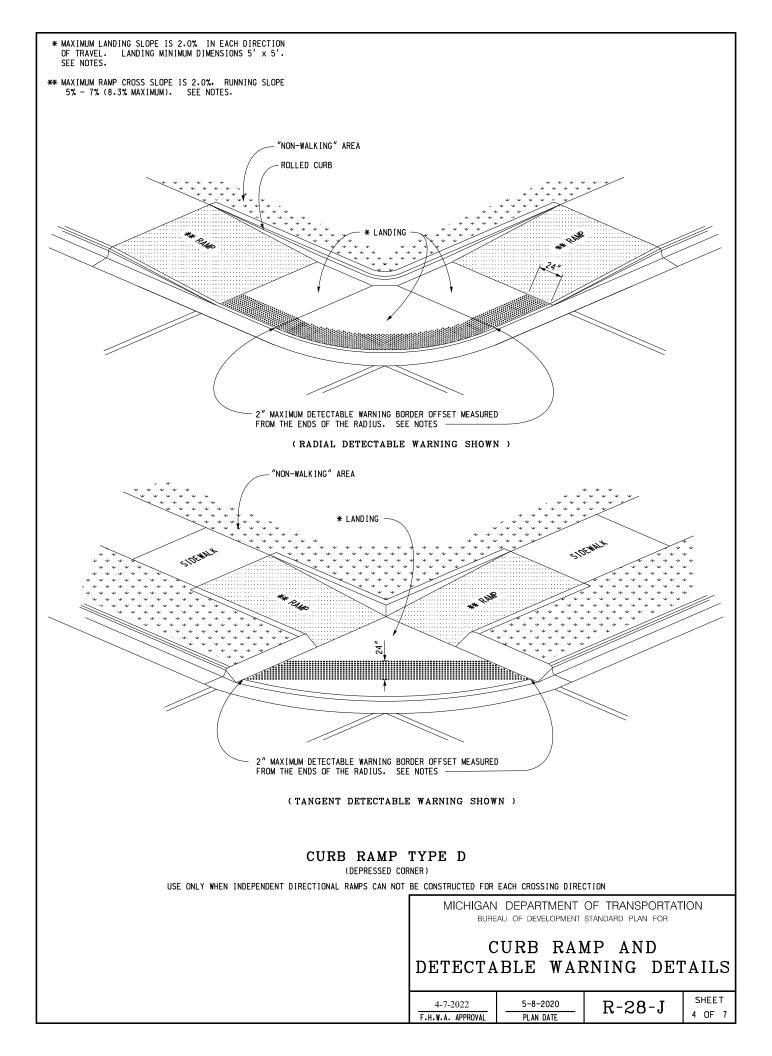
| DETECTABLE |  | WAF | WARNING |  | DETAILS |  |
|------------|--|-----|---------|--|---------|--|
|            |  |     |         |  | CHEET   |  |

 $\begin{array}{c|c} \underline{\text{4-7-2022}} \\ \hline \text{F.H. W. A. APPROYAL} \end{array} \quad \begin{array}{c|c} \underline{\text{5-8-2020}} \\ \hline \text{PLAN DATE} \end{array} \quad R - 28 - J$ 

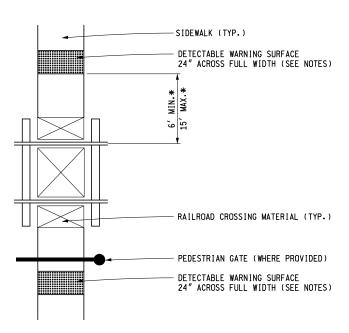
(TYPICAL ALL RAMP TYPES)

2 OF 7

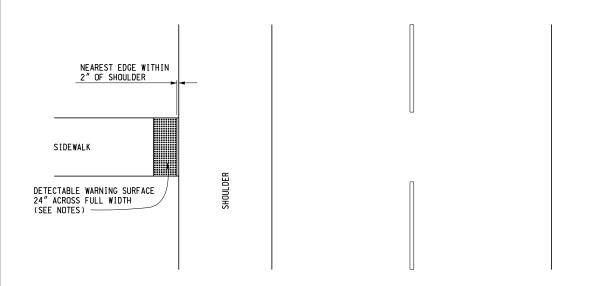




\* THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE RAIL CROSSING IS 6' MINIMUM AND 15' MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL. DO NOT PLACE DETECTABLE WARNING ON RAILROAD CROSSING MATERIAL.



#### DETECTABLE WARNING AT RAILROAD CROSSING

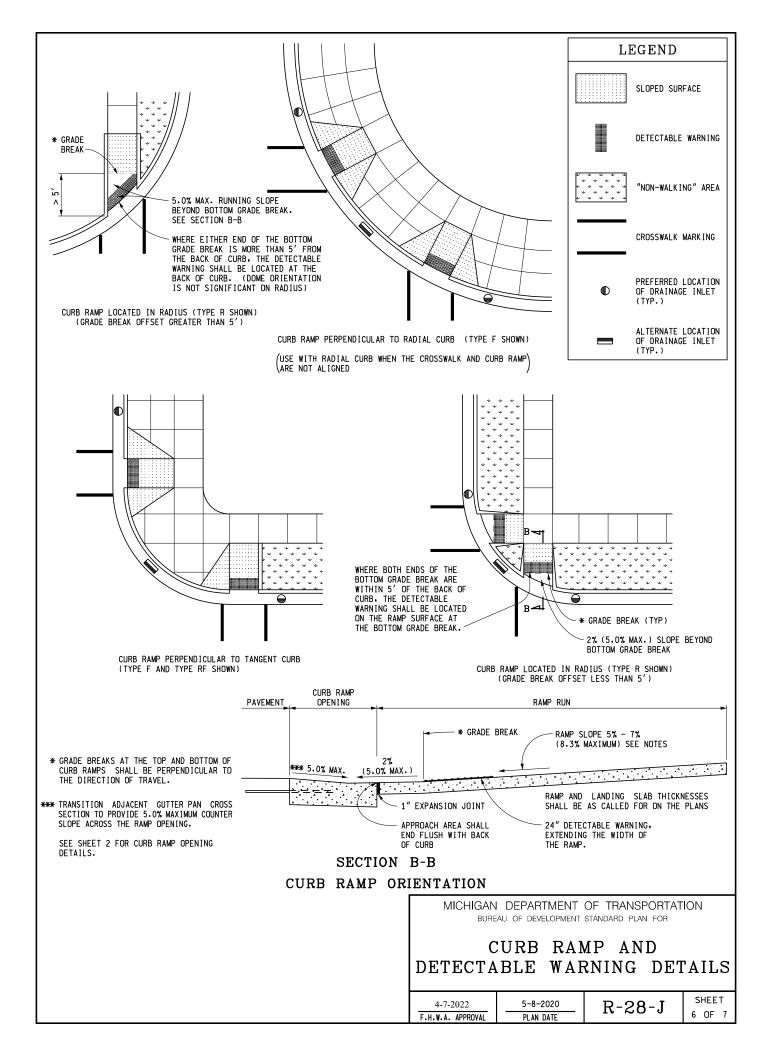


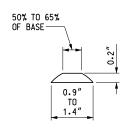
#### DETECTABLE WARNING AT FLUSH SHOULDER OR ROADWAY

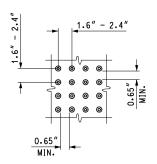
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR

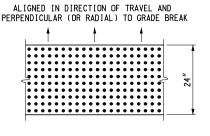
## CURB RAMP AND DETECTABLE WARNING DETAILS

4-7-2022 F.H.W.A. APPROVAL PLAN DATE R-28-J SHEET 5 OF 7









DOME SECTION

DOME SPACING

DOME ALIGNMENT

#### DETECTABLE WARNING DETAILS

#### NOTES:

DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION, RECONSTRUCTION, OR ALTERATION OF STREETS, CURBS, OR SIDEWALKS IN THE PUBLIC RIGHT OF WAY.

CURB RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MARKED AND/OR SIGNALIZED MID-BLOCK CROSSINGS.

SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING, TRANSVERSE TO THE RUNNING SLOPE.

SIDEWALK SHALL BE RAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP. WHERE CONDITIONS PERMIT, IT IS DESIRABLE THAT THE SLOPE OF THE RAMP BE IN ONLY ONE DIRECTION, PARALLEL TO THE DIRECTION OF TRAVEL.

RAMP WIDTH SHALL BE INCREASED, IF NECESSARY, TO ACCOMMODATE SIDEWALK SNOW REMOVAL EQUIPMENT NORMALLY USED BY THE MUNICIPALITY.

WHEN 5' MINIMUM WIDTHS ARE NOT PRACTICABLE, RAMP WIDTH MAY BE REDUCED TO NOT LESS THAN 4' AND LANDINGS TO NOT LESS THAN 4' \( 4' \).

CURB RAMPS WITH A RUNNING SLOPE ≤5% DO NOT REQUIRE A TOP LANDING. HOWEVER, ANY CONTINUOUS SIDEWALK OR PEDESTRIAN ROUTE CROSSING THROUGH OR INTERSECTING THE CURB RAMP MUST INDEPENDENTLY MAINTAIN A CROSS SLOPE NOT GREATER THAN 2% PERPENDICULAR TO ITS OWN DIRECTION(S) OF TRAVEL.

DETECTABLE WARNING SURFACE COVERAGE IS 24" MINIMUM IN THE DIRECTION OF RAMP/PATH TRAVEL AND THE FULL WIDTH OF THE RAMP/PATH OPENING EXCLUDING CURBED OR FLARED CURB TRANSITION AREAS. A BORDER OFFSET NOT GREATER THAN 2" MEASURED ALONG THE EDGES OF THE DETECTABLE WARNING IS ALLOWABLE. FOR RADIAL CURB THE OFFSET IS MEASURED FROM THE ENDS OF THE RADIUS.

FOR NEW ROADWAY CONSTRUCTION, THE RAMP CROSS SLOPE MAY NOT EXCEED 2.0%. FOR ALTERATIONS TO EXISTING ROADWAYS, THE CROSS SLOPE MAY BE TRANSITIONED TO MEET AN EXISTING ROADWAY GRADE. THE CROSS SLOPE TRANSITION SHALL BE APPLIED UNIFORMLY OVER THE FULL LENGTH OF THE RAMP.

THE MAXIMUM RUNNING SLOPE OF 8.3% IS RELATIVE TO A FLAT (0%) REFERENCE. HOWEVER, IT SHALL NOT REQUIRE ANY RAMP OR SERIES OF RAMPS TO EXCEED 15 FEET IN LENGTH NOT INCLUDING LANDINGS OR TRANSITIONS.

DRAINAGE STRUCTURES SHOULD NOT BE PLACED IN LINE WITH RAMPS. THE LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE OVER THE LOCATION OF THE DRAINAGE STRUCTURE. WHERE EXISTING DRAINAGE STRUCTURES ARE LOCATED IN THE RAMP PATH OF TRAVEL, USE A MANUFACTURER'S ADA COMPLIANT GRATE. OPENINGS SHALL NOT BE GREATER THAN 1.2". ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSWALK AND STOP LINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED ALONG THE ROADSIDE CURB LINE, SHALL BE PROVIDED WHERE AN UNOBSTRUCTED CIRCULATION PATH LATERALLY CROSSES THE CURB RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE RAMP IS BORDERED BY LANDSCAPING, UNPAYED SURFACE OR PERMANENT FIXED OBJECTS. WHERE THEY ARE NOT REQUIRED, FLARED SIDES CAN BE CONSIDERED IN ORDER TO AVOID SHARP CURB RETURNS AT RAMP OPENINGS.

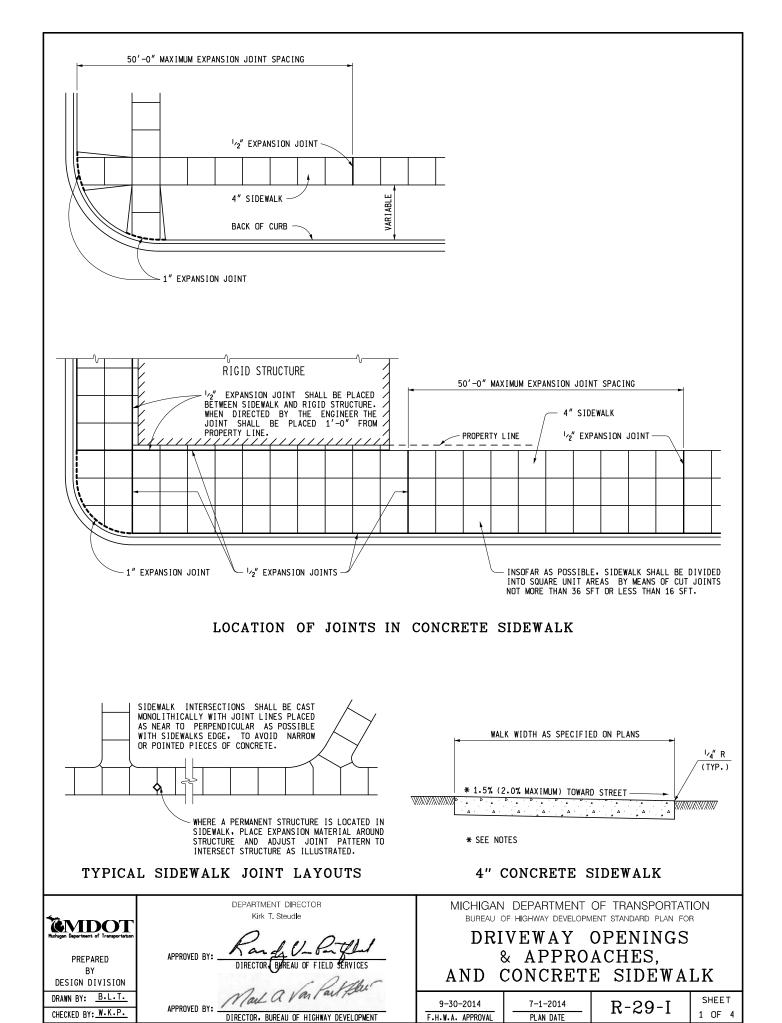
DETECTABLE WARNING PLATES MUST BE INSTALLED USING FABRICATED OR FIELD CUT UNITS CAST AND/OR ANCHORED IN THE PAVEMENT TO RESIST SHIFTING OR HEAVING.

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR

## CURB RAMP AND DETECTABLE WARNING DETAILS

4-7-2022 F.H.W.A. APPROVAL 5-8-2020 PLAN DATE R-28-J

SHEET 7 OF 7





Sheet No.: 1 of 1

Date: 3/27/23 Job Number: RH21-26 Prepared

By: JE Checked By:

MOC

#### **JUAN BLANCO'S - ROCHESTER HILLS**

**Engineers Estimate of Probable Construction Cost** 

| ADCHESTER MILLS ALANDS CAPE SUBTOTAL                              | ست  | J.       | m                     | \$4,550.90               |
|---|-----|----------|-----------------------|--------------------------|
| EMERALD GREEN ARBORVITAE SHRUB                                    | 25  | EA       | \$150.00              | \$3,750.00               |
| AMERICAN RED MAPLE  | 4   | EA       | \$200.00              | \$800.00                 |
| **************************************                            | *** |          |                       | ~~~~~                    |
| ROCHESTER HILLS - PAVING SUBTOTAL                                 |     |          |                       | \$15,024.00              |
| ASPHALT PAVEMENT  | 165 | SY       | \$30.00               | \$4,950.00               |
| 4" SIDEWALK   | 165 | SY       | \$40.00               | \$6,600.00               |
| CONCRETE C & G (F-4)  | 193 | LF       | \$18.00               | \$3,474.00               |
| NOCHESTEN HILLS - STORIVI SEWER SUBTUTAL                          |     |          |                       | <del>94,33</del> 0.00    |
| ROCHESTER HILLS - STORM SEWER SUBTOTAL                            | 02  | LI       | \$15.00               | \$4,930.00               |
| STORM CATCH BASIN 4' DIA<br>6" EDGE DRAIN (40 LF PER CATCH BASIN) | 82  | EA<br>LF | \$2,200.00<br>\$15.00 | \$2,200.00<br>\$1,230.00 |
| 12" RCP C76 CLIV STORM SEWER                                      | 50  | LF       | \$30.00               | \$1,500.00               |
|   | _   |          |                       |                          |
| ROCHESTER HILLS - SAN SEWER SUBTOTAL                              |     |          |                       | \$31,050.00              |
| INSPECTION MANHOLE  | 1   | EA       | \$3,900.00            | \$3,900.00               |
| 1,500 GAL GREASE TRAP   | 1   | LS       | \$20,000.00           | \$20,000.00              |
| 6" SCHEDULE 40 SEWER LEAD   | 110 | LF       | \$65.00               | \$7,150.00               |
| ROCHESTER HILLS - WM SUBTOTAL                                     |     |          |                       | \$5,290.00               |
| 8"x4" TAPPING SLEEVE AND VALVE                                    | 1   | EA       | \$3,000.00            | \$3,000.00               |
| 4" FIRE SUPPRESSION LINE  | 52  | LF       | \$40.00               | \$2,080.00               |
| 2" WATER SERVICE  | 6   | LF       | \$35.00               | \$210.00                 |
| DESCRIPTION   | QTY | UNIT     | UNIT COST             | AMOUNT                   |

This will be basis of landscape bond requirement.



## CITY OF ROCHESTER HILLS DEPARTMENT OF PUBLIC SERVICE – ENGINEERING SERVICES 1000 ROCHESTER HILLS DRIVE, ROCHESTER HILLS, MI 48309 248.656.4640 Fax 248.646.4758

#### LAND IMPROVEMENT FEE SCHEDULE FOR ENGINEERING REVIEW OF CONSTRUCTION PLANS FOR UTILITIES, PATHWAYS AND PUBLIC OR PRIVATE ROADS

| Project Name: Juan Blanco's    |   |  | Proprietor: | Deni Bozinovski  |                                      |
|--------------------------------|---|--|-------------|--|--------------------------------------|
|                                | 1655 E. Auburn Road   |  | Address:    | 1711 E Auburn F  | Road                                 |
| City File #                    | <sup>!</sup> S  | ection:  |             | Rochester Hills, I   | MI 48307                             |
|                                |   |  |             | 248-606-4479   |                                      |
| O.C. 11                        |   |  |             | 3featherscontracting   | @gmail.com                           |
| Office Us                      |   |  | Contact:    | Camiel DeWolf  |                                      |
|                                | ccount #  |  |             |  |                                      |
|                                | eipt #<br>:   |  |             |  |                                      |
| Date i alu                     | •   |  |             |  |                                      |
|                                | ing Consultant  |  |             | ral Consultant   |                                      |
| Name:                          | Mitchell P. O'Connor  |  | Name:       |  |                                      |
| Address:                       | 42185 Kyle Drive, Clinton T   | wp, MI 48038                                   | Address:    |  |                                      |
| Phone:                         | 586-854-3493  |  | Phone:      |  |                                      |
| Email:                         | moconnor@consultant.com   |  | Email:      |  |                                      |
| Contact:                       | Mitchell O'Connor   |  | Contact:    |  |                                      |
|                                | ESTIMA  | TED CONSTRUCTION                               | I COSTS F   | OR:  |                                      |
| Public Pat                     | thways  |  |             |  | \$15,024.00                          |
| Sanitary S                     | Sewer   |  |             |  | \$31,050.00                          |
| Water Ma                       | in  |  |             |  | \$5,290.00                           |
| Storm Sew                      | ver, Detention Basins   |  |             |  | \$4,930.00                           |
| Public or I                    | Private Roads   |  |             |  | \$0.00                               |
| Other                          | 100000000000000000000000000000000000000   |  |             |  | \$0.00                               |
| TOTAL E                        | STIMATED COST   |  |             |  | \$56,294.00                          |
| * FEE RE                       | QUIRED 3.25%_X  | TOTAL ESTIMATED CO                             | OST         |  | \$1,829.56                           |
| 0 to \$5<br>\$50,00<br>\$100,0 | onstruction Costs<br>60,000<br>10 to \$100,000<br>100 to \$1,000,000<br>1,000,000 | Percentage<br>3.75%<br>3.25%<br>1.75%<br>1.25% |             | Minimum Fee<br>\$750.00<br>\$2,200.00<br>\$3,750.00<br>\$18,750.00 |                                      |
| ENGINEE                        | RING ADMINISTRATIVE CH  | IARGE: 20% (\$150.00                           | minimum)    |  | \$365.91                             |
| TOTAL R                        | EVIEW FEE REQUIRED  |  |             | Sub-Total  | \$2,195.47<br><b>2,200.00 (min.)</b> |
| Make che                       | cks payable to "City of Roche   | ester Hills"                                   |             |  |                                      |

For initial plan ravious three (2)\*\* sets of professionally

For initial plan review, three (3)\*\* sets of professionally sealed and signed construction plans along with all calculations for sanitary, water, storm and detention plus an engineers estimate are required for the submittal. Based on the engineering estimate, acceptable to Engineering Services, review fees are calculated as a percentage of the estimated construction cost per Ordinance Chapter 110, Sections 110-172 and 110-372, effective July 28, 2006.

\*\*Any subsequent revisions will require four (4) sets of plans. Subsequent reviews: there shall be an hourly surcharge for the third and each subsequent review.

If consulting engineering personnel are used to conduct construction plan review, one-quarter (1/4%) percent of the fee will be retained by the City.

PSP2022-0009 Revision #3

#### LAND IMPROVEMENT PERMIT APPLICATION

City of Rochester Hills 1000 Rochester Hills Drive Rochester Hills, Michigan 48309 248.656.4640 (fax 4758)

| Project Name:                                  | (as submitted to Planning Dep  | artment)   |
|--|--|--|
| City File #                                    | Section:   | Property I.D.  |
| Property Owner / Applica                       |  | muricunt   |
| Phone <u>246.73</u><br>Address: <u>58640</u> F | 36.6830<br>EnosTn6 Leves To  | Email Devryue 16 636 SIBC G Ideal, No  |
| Applicant's Signature:                         | B ) J 19pxi:   | curit  |
| (city)   | (state)  | (street)<br>(zip)  |
| Submit the following with                      |  |  |
| 2. Three professional engine for compliance w  | (3) sets of 2' x 3' construct<br>neer for utilities, drainage and ro | tion drawings sealed by a registered bads. These drawings will be reviewed ent "Design Standards". Copy can be |
| Construction plans should                      | I include the following:   |  |
| • Include                                      | Standard Details and Specification                                   | ons for construction.  |
| • Drainag                                      | e area map depicting on site and                                     | off site drainage areas and patterns.  |
| • Storm se                                     | ewer sizing calculations   |  |
| • Detention                                    | on / retention basin calculations v                                  | with complete detail of all work.  |

Storage elevation contour to be clearly marked on all plans.

• Landscape / Tree Preservation / Tree protection Plan.



# One (1) copy of engineer's itemized unit price estimate for the cost of construction of retention/ detention facilities, public and/or private roads, water mains, sanitary sewers, storm sewers and pathways. All on site and off site construction and related work are to be included in the itemized unit price estimate.

Do not submit building / architectural plans to Engineering Services.

Payment of non-refundable fee for plan review services, based on your Engineering Estimate. Fees will be recalculated by Engineering Services upon complete submittal of all of the above requirements. Payment for review services is required before the project can be placed in the review process.

5. \_\_\_\_\_ Indicate whether property is owned by \_\_\_\_\_ Individual \_\_\_\_\_ Corporation \_\_\_\_\_ L. L. C.

Rev. 03/21
I:\Eng\PRIV\ENG FORMS ONLY (MUST DO 'SAVE AS')\Land Improvement\Land Improvement Permit Application.docx

#### FULL PLAN SET.pdf Markup Summary

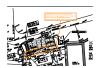
#### **Building Department (5)**



Subject: Building Department Author: Mark Artinian Date: 5/23/2023 3:06:41 PM

Status:

**Building Permit Construction Documents:** This area appears to be part of the existing building footprint per Sheet A001.



Subject: Building Department Author: Mark Artinian Date: 5/23/2023 3:07:42 PM

Status:

**Building Permit Construction Documents:** Maximum 2% cross slope per A117.1, Section 403.3 - typical at all accessible routes. Indicate spot elevations showing compliance.



Subject: Building Department Author: Mark Artinian

Date: 5/23/2023 3:05:35 PM

Status:

**Building Permit Construction Documents:** Coordinate this area with the Plan shown on the

Grading & Utility Plan.



Subject: Building Department Author: Mark Artinian

Date: 5/23/2023 3:09:43 PM

Status:

Mark Artinian 248-841-2446 ArtinianM@RochesterHills.org



Subject: Building Department Author: Mark Artinian Date: 5/23/2023 3:10:50 PM

Status:

Yes

#### Engineering Department (1)



**Subject:** Engineering Department

Author: Jason Boughton Date: 5/16/2023 9:36:01 AM

Status:

#### Fire Department (2)



Subject: Fire Department

Author: Joshua

Date: 5/12/2023 8:39:14 AM

Status:

Need results of fire flow test. Results must be included on site plan.



**Subject:** Fire Department

Author: Joshua

Date: 6/7/2023 3:29:13 PM

Status:

#### Group (17)



Subject: Group Author: macdonaldi Date: 5/11/2023 9:05:19 AM

Status:

City of Rochester Hills Planning & Economic

Development



**Subject:** Group **Author:** C.McLeod

Date: 5/17/2023 12:32:08 PM

Status:



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:57:47 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:58:00 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:58:06 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



**Subject:** Group **Author:** C.McLeod

Date: 5/11/2023 2:58:18 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:58:24 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

**Date:** 5/11/2023 2:58:32 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:58:38 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:58:46 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:58:57 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 2:59:09 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development

JND A0002-0001 610002 HILLS Revision #3 Property Revision #4 Property Re

Subject: Group Author: C.McLeod

Date: 5/11/2023 2:59:39 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development

eviews: there shall be an hourly
view, consumarter (1/4%) percent of the

Subject: Group Author: C.McLeod

Date: 5/11/2023 2:59:57 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 3:00:11 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/11/2023 3:00:22 PM

Status:

Received 5/10/2023

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 5/26/2023 4:44:18 PM

Status:

SP

.....

#### Highlight (5)



Subject: Highlight Author: Mark Artinian Date: 5/23/2023 1:50:56 PM

Status:



Subject: Highlight Author: Mark Artinian Date: 5/23/2023 1:51:03 PM

Status:



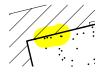
Subject: Highlight Author: Mark Artinian Date: 5/23/2023 1:51:10 PM

Status:



Subject: Highlight Author: Mark Artinian Date: 5/23/2023 1:51:25 PM

Status:



Subject: Highlight Author: Mark Artinian Date: 5/23/2023 1:51:32 PM

Status:

#### Jenny McGuckin - YES (1)



Subject: Jenny McGuckin - YES Author: Jenny McGuckin Date: 5/12/2023 9:06:21 AM

Status:

#### Natural Resouces (1)



Subject: Natural Resouces Author: Matt Einheuser Date: 5/23/2023 12:17:12 PM

Status:

#### Planning Department (15)



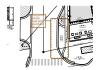
**Subject:** Planning Department

Author: C.McLeod Date: 5/11/2023 2:56:44 PM

Status:

For all conditional uses, a "Conditional Use Proposed Sign" shall be placed onsite no less than fifteen (15) days prior to the public hearing date. Such sign shall be compliant with Section

138-1.203 of City Ordinances.



**Subject:** Planning Department

Author: C.McLeod

Date: 5/25/2023 9:55:42 AM

Status:

Previous plans show this as being removed and landscape area being provided. Remove existing

asphalt and extend landscaping area.



Subject: Planning Department

Author: C.McLeod

Date: 5/17/2023 2:25:58 PM

Status:

3" caliper vs. 6-7'



Subject: Planning Department

Author: C.McLeod

Date: 5/17/2023 2:28:09 PM

Status:

All building mechanical equipment shall be screened from view with appropriate architectural treatment.



Subject: Planning Department

Author: C.McLeod

Date: 5/17/2023 2:28:44 PM

Status:

All fixtures shall comply with Illuminating Engineering Society of North America standards.



Subject: Planning Department

Author: C.McLeod

Date: 5/17/2023 2:39:42 PM

Status:

This will be basis of landscape bond requirement.

PRINT DATE: Mar Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 10:01:53 AM

Status:

Landscape cost estimate provided = \$4,550. Performance bond of this amount plus inspection fees will be required.



Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 9:53:31 AM

Status:



Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 9:58:13 AM

Status:

That existing asphalt curb cut being removed and replaced as landscape area and deciduous tree

Yes

size being 3" caliper

Assessing



Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 9:57:15 AM

Status:

All signs must meet the requirements of the City and be approved under separate permits issued by the Building Department.



**Subject:** Planning Department

Author: C.McLeod

Date: 5/25/2023 9:57:33 AM

Status:

All ground mounted utilities shall be fully screened from view.



Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 9:59:01 AM

Status:

Prior to occupancy



**Subject:** Planning Department

Author: C.McLeod

Date: 5/25/2023 9:59:44 AM

Status:

Site irrigation may only occur during 12:00 a.m.

and 5:00 a.m.



Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 10:02:12 AM

Status:

Prior to the release of the performance bond, the City of Rochester Hills must inspect all landscaping plantings.



Subject: Planning Department

Author: C.McLeod

Date: 5/25/2023 10:04:10 AM

Status:



#### Traffic (3)



Subject: Traffic

Author: Keith

Date: 5/24/2023 4:31:22 PM

Status:

Can you keep in front of the sight line clear of tables and chairs?



Subject: Traffic Author: Keith

Date: 5/24/2023 4:31:55 PM

Status:



Subject: Traffic

Author: Keith
Date: 5/24/2023 4:32:43 PM
Status:

with condition the Pathway sight line is kept clear of tables and chairs if at all possible.