

Special/Study Session Meeting 7:30 p.m., Wednesday, May 24 Conference Room 23600 Liberty Street Farmington, MI 48335

STUDY SESSION AGENDA

| 4 | DAI | I Call |
|----|-----|--------|
| 1. | ROI | ı Calı |

- 2. Approval of Agenda
- 3. Public Comment
- 4. Consideration of Planned Unit Development (PUD) for Maxfield Training Center (Hillside Townes)
- 5. Other Business
- 6. Council Comment
- 7. Adjournment

The City will follow its normal procedures for accommodation of persons with disabilities. Those individuals needing accommodations for effective participation in this meeting should contact the City Clerk (248) 474-5500, ext. 2218 at least two working days in advance of the meeting. An attempt will be made to make reasonable accommodations.

Farmington City Council Staff Report

Special Council Meeting Date: May 24, 2023

Reference Number 4

Submitted by: City Manager

<u>Description</u> Consideration of Planned Unit Development (PUD) for Maxfield Training Center (Hillside Townes) and Consideration to Approve Fourth Amendment to Agreement to Purchase and Develop Property—Maxfield Training Center/Robertson Bros.

Requested (1) Approve the proposed Fourth Amendment to Agreement to Purchase and Develop Property and authorize the City Manager and City Attorney to finalize the document with any final minor amendments, to be signed by the Mayor and City Clerk; (2) Tentative approval of PUD Plan, subject to approval of acceptable PUD Agreement and final PUD Concept Plan incorporating Council conditions as discussed.

Background The City signed a Purchase Agreement with Robertson Bros for the sale and development of the Maxfield Training Center and two residential parcels effective August 31, 2021. There have been three amendments to the Agreement so far, all extending dates for various actions required under the Agreement.

The Developer has now submitted the PUD application and has received recommendations of approval from the Planning Commission and DDA Design Committee. The last Planning Commission meeting occurred in November 2022. The next step in the process under the ordinance is City Council approval. However, under the Agreement to Purchase and Develop Property, the submission of the PUD to the City Council is to be contemporaneous with the submission of the Developer's Brownfield Plan and DDA TIF Credit Plan. While the City Council has not received an actual Brownfield Plan or TIF Credit Plan, Council has received significant documentation relating to both, and has met with the City's consultant, Eric Helzer, to discuss what it is expected and intended to be in those plans, which are well underway.

At this meeting, Council is expected to review the current proposed PUD Concept Plan—submitted with some minor revisions since its review by the Planning Commission and DDA Design Committee. A copy of the Concept Plan packet is attached to this report.

Robertson Bros and City Staff are hoping for the Council to hear a presentation from Robertson Bros, make any comments that Council determines to be appropriate, and then consider directing the staff, City Attorney, and Robertson Bros to prepare a proposed PUD Agreement for consideration by Council at its next available meeting. If Council determines that it will likely approve the Concept Plan, City Administration will work to have the matter back before Council as soon as possible.

In that vein, also before City Council is a proposed Fourth Amendment to the Purchase Agreement between the City and Robertson Bros. The purpose of the Agreement would be to extend the date for the Developer to receive PUD approval from the City Council to July 24, 2023, and extends the final date for Robertson Bros to have all "conditions to closing" satisfied to November 24, 2023. Given the time invested in the project by the City so far, and its current status, City Administration recommends approval of the Fourth Amendment.

| Agenda Review | | | | |
|-----------------|-------------------|---------------|--------------|--|
| Department Head | Finance/Treasurer | City Attorney | City Manager | |





Existing Staircase /
 Connection to Park

Site Data: Gross Site Area: 3.00 Ac. 53 Proposed Units: Proposed Density: 17.67 Du./Ac.

Building Setbacks:

- Front Yard: 9' min. (to Deck) - Building Separation: 15' min.

Parking:

- Garage Parking: 54 spaces - Guest Parking: 42 spaces Street Parking: 15 spaces
Parking Distribution: 2.06 spaces / Du.
*Shared Parking Available with Church

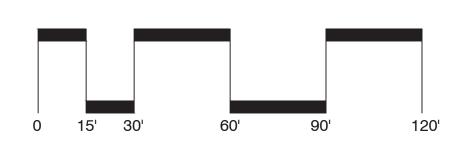
Hillside Townes

Rendered Site Plan Farmington, Michigan

November 2022







GENERAL ELEVATION/SECTION NOTES:

- THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED TO DETERMINE THE DESIGN INTENT. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE SET OF WORK AS INDICATED AND SHALL FIELD VERIFY ALL WORK, COORDINATE ALL DRAWINGS / NEW WORK AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES IN THE DOCUMENTS BEFORE PROCEEDING. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR TAKING FULL RESPONSIBILITY AND LIABILITY FOR SAID DISCREPANCIES.
- 2. ALL DIMENSIONS ARE SHOWN FROM FINISH FACE TO FINISH FACE OF PARTITION UNLESS OTHERWISE NOTED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE, COUNTY CODE REGULATIONS, O.S.H.A., AND THE AMERICAN WITH DISABILITIES ACT (ADA). REFER TO THE CODE PLAN FOR MORE INFORMATION.
- 4. ALL FOUNDATIONS TO EXTEND 42" MIN. BELOW GRADE
- ALL FOUNDATIONS ADJACENT TO EXIST. FND'S TO MATCH BOTTOM ON FOOTING ELEVATION.
- UNDER NO CIRCUMSTANCES EXCAVATE BELOW BOTTOM OF EXIST. FND'S TO A MIN. INFLUENCE ZONE DELINEATED BY 1 VERTICAL, 2 HORIZONTAL LINE

HIGH ROOF 29' - 5" HARDIE GFRC LAP SIDING HARDIE GFRC LAP SIDING ARCHITECTURAL BRICK — SECOND LEVEL 11' - 0"

FIVE-UNIT BUILDING - REAR ELEVATION

SCALE: 1/4" = 1'-0"

3011 W. GRAND BLVD SUITE 400

DETROIT, MI 48202 P. 313.450.4545 TIM.FLINTOFF@4545ARCHITECTURE.COM

CONSULTANT:

Project:

ROBERTSON **BROTHERS CITY OF FARMINGTON** TOWNHOME DEVELOPMENT

Issued for :

02/07/2023

REVIEW

Drawn by: Checked by:

Sheet Title: **EXTERIOR ELEVATIONS**

FIVE-UNIT BUILDING Project No. :

2020036

GENERAL ELEVATION/SECTION NOTES:

- THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED TO DETERMINE THE DESIGN INTENT. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE SET OF WORK AS INDICATED AND SHALL FIELD VERIFY ALL WORK, COORDINATE ALL DRAWINGS / NEW WORK AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES IN THE DOCUMENTS BEFORE PROCEEDING. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR TAKING FULL RESPONSIBILITY AND LIABILITY FOR SAID DISCREPANCIES.
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- UNDER NO CIRCUMSTANCES EXCAVATE BELOW BOTTOM OF EXIST. FND'S TO A MIN. INFLUENCE ZONE DELINEATED BY 1 VERTICAL, 2 HORIZONTAL LINE

REVIEW 02/07/2023 Drawn by: Checked by: SECOND LEVEL 11' - 0" Sheet Title: **EXTERIOR** ELEVATIONS EIGHT-UNIT BUILDING Project No. : 2020036 1 EIGHT-UNIT BUILDING - REAR ELEVATION
SCALE: 3/16" = 1'-0"

3011 W. GRAND BLVD SUITE 400 DETROIT, MI 48202 P. 313.450.4545 TIM.FLINTOFF@4545ARCHITECTURE.COM

CONSULTANT:

Project:

ROBERTSON **BROTHERS CITY OF FARMINGTON** TOWNHOME DEVELOPMENT

Issued for :

HARDIE GFRC LAP SIDING

HARDIE GFRC LAP SIDING

ARCHITECTURAL BRICK







Description of the state of the

3011 W. GRAND BLVD SUITE 400 DETROIT, MI 48202 P. 313.450.4545 TIM.FLINTOFF@4545ARCHITECTURE.COM

CONSULTANT:

Project :

ROBERTSON

FARMINGTON TOWNHOME DEVELOPMENT

Issued for :

REVIEW

02/07/2023

BROTHERS CITY OF



Owner / Developer

ROBERTSON BROTHERS HOMES 6905 Telegraph Road Bloomfield Hills, MI 48301 Tel. (248) 282-1428

CONTACT: Tim Loughrin

Civil Engineer NOWAK & FRAUS ENGINEERS

A6777 Woodward Ave.
Pontiac, MI 48342-5032
Tel. (248) 332-7931
Fax. (248) 332-8257

CONTACT: Brad W. Brickel, P.E.

Landscape Architect

LAND DESIGN STUDIO 750 Forest Ave., Suite 101 Birmingham, MI 48009 Tel. (248) 594-3220

CONTACT: Tad Krear

LEGAL DESCRIPTION - PER TITLE COMMITMENT

LAND IN THE CITY OF FARMINGTON, OAKLAND COUNTY, MI, DESCRIBED AS FOLLOWS:

DADCEL

LOT 2, BLOCK 8, OF AMENDED PLAT OF LOTS 21, 22, 23 AND 24 OF BLOCK 6, LOTS 31, 32, 33 AND 34 OF BLOCK 4, LOTS 35 AND 36 OF BLOCK 5, VACATED THIRD STREET AND VACATED PART OF CASS STREET OF "PLAT OF DAVIS ADDITION TO THE VILLAGE OF FARMINGTON", ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 297 OF PLATS, PAGES 19 AND 20, OAKLAND COUNTY RECORDS.

PARCEL 2:

PART OF LOT 5, OF ASSESSOR'S PLAT NO. 3, ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 54 OF PLATS, PAGE 7, OAKLAND COUNTY RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF LOT 2, BLOCK 8 OF "AMENDED PLAT OF LOTS 21, 22, 23 AND 24 OF BLOCK 6, LOTS 31, 32, 33 AND 34 OF BLOCK 4, LOTS 35 AND 35 OF BLOCK 5, VACATED THIRD STREET AND VACATED PART OF CASS STREET OF PLAT OF DAVIS ADDITION TO THE VILLAGE OF FARMINGTON", ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 297 OF PLATS, PAGES 19 AND 20, OAKLAND COUNTY RECORDS; THENCE SOUTH 87 DEGREES 12 MINUTES 02 SECONDS EAST ALONG THE NORTH LINE OF SAID LOT 2, BLOCK 8, 39.20 FEET TO THE POINT OF BEGINNING, ALSO BEING THE SOUTHWEST CORNER OF SAID LOT 5; THENCE NORTH 03 DEGREES 45 MINUTES 48 SECONDS EAST ALONG THE WEST LINE OF SAID LOT 5, 36.74 FEET; THENCE SOUTH 63 DEGREES 19 MINUTES 21 SECONDS EAST, 90.75 FEET TO A POINT ON THE NORTH LINE OF SAID LOT 2, BLOCK 8; THENCE NORTH 87 DEGREES 12 MINUTES 02 SECONDS WEST, ALONG SAID NORTH LINE OF LOT 2, BLOCK 8, 83.60 FEET TO THE POINT OF BEGINNING.

PARCEL 4:

THE NORTH 90 FEET OF LOT 15, BLOCK 3, EXCEPT THE EAST 5.75 FEET, OF PLAT OF DAVIS' ADDITION TO VILLAGE (NOW CITY) OF FARMINGTON, ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 2 OF PLATS, PAGE 36, OAKLAND COUNTY RECORDS.

PARCEL 5:

THE EAST 47 FEET OF THE SOUTH 110 FEET OF LOT 15, BLOCK 3, OF PLAT OF DAVIS' ADDITION TO VILLAGE (NOW CITY) OF FARMINGTON, ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 2 OF PLATS, PAGE 36, OAKLAND COUNTY RECORDS.

TAX ITEM NUMBER: 23-27-152-019, AS TO PARCEL 1 VACANT, FARMINGTON, MI 48336

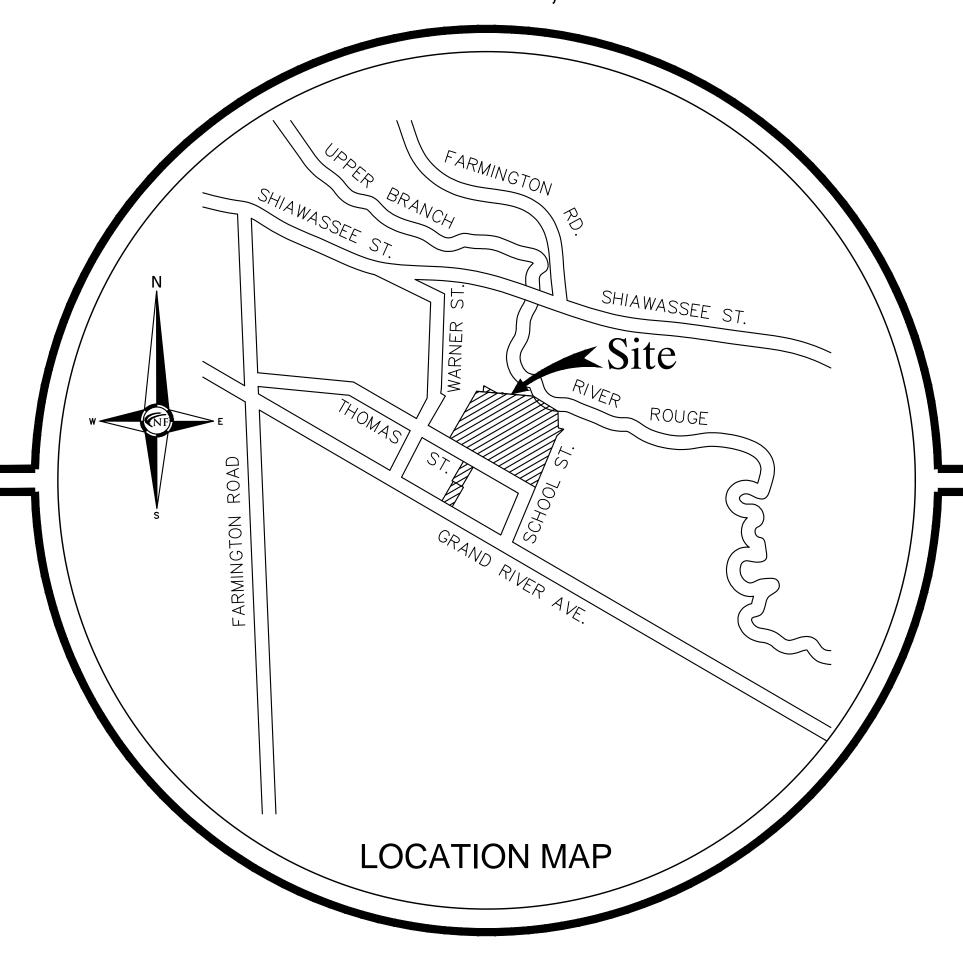
TAX ITEM NUMBER: 23-27-152-017, AS TO PARCEL 2 VACANT, FARMINGTON, MI 48336

TAX ITEM NUMBER: 23-27-154-004, AS TO PARCEL 4 ADDRESS: 33107 THOMAS STREET, FARMINGTON, MI 48336

TAX ITEM NUMBER: 23-27-154-008, AS TO PARCEL 5 ADDRESS: 33104 GRAND RIVER AVENUE, FARMINGTON, MI 48336

City of Farmington, Oakland County, Michigan SITE PLAN DOCUMENTS Prepared For Robertson Brothers Homes

PART OF THE NW 1/4 OF SECTION 27, T.1N., R.9E.,
CITY OF FARMINGTON,
OAKLAND COUNTY, MICHIGAN



Project Name

Hillside Townes



SHEET INDEX

- C00 Cover Sheet
- C01 ALTA/NSPS Land Title/ Topographic/ Tree Survey
- C02 Cross Sections A & B
- C03 Cross Sections C & D
- C04 Survey Notes-Tree List
- C05 Site Plan
- C06 Aerial Vicinty Plan
- C07 Fire Truck Turning PlanC08 Garbage Truck Turning Plan
- C09 Paving & Grading Plan (1 of 2)
- C10 Paving & Grading Plan (2 of 2)
- C10 Paving & Grading Plan (2 of 2)
 C11 Calculation. Notes & Details Plan
- L-1 Conceptual Landscape Plan
- L-2 Conceptual Promenade Plan
- L-3 Conceptual Linear Park Plan & Details
- L-4 Landscape Details and Notes
- 1 of 1 Site Photometric Plan
- 1 of 1 Park Area Photometric Plan

REVISIONS:

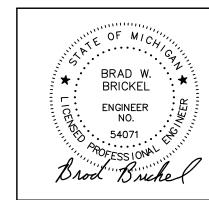
09-01-20 ISSUED FOR SITE PLAN REVIEW 05-15-23 REVISED PER SITE PLAN REVIEW

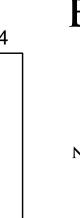
LIST OF DEVIATIONS

- REAR YARD SETBACK REQUIRED IS 25 FEET AND PROPOSED SETBACK IS 7.5 FEET.
- LOT LINE ABUTTING A RESIDENTIAL ZONE SETBACK REQUIRED IS 30 FEET AND PROPOSED SETBACK IS 7.5 FEET.





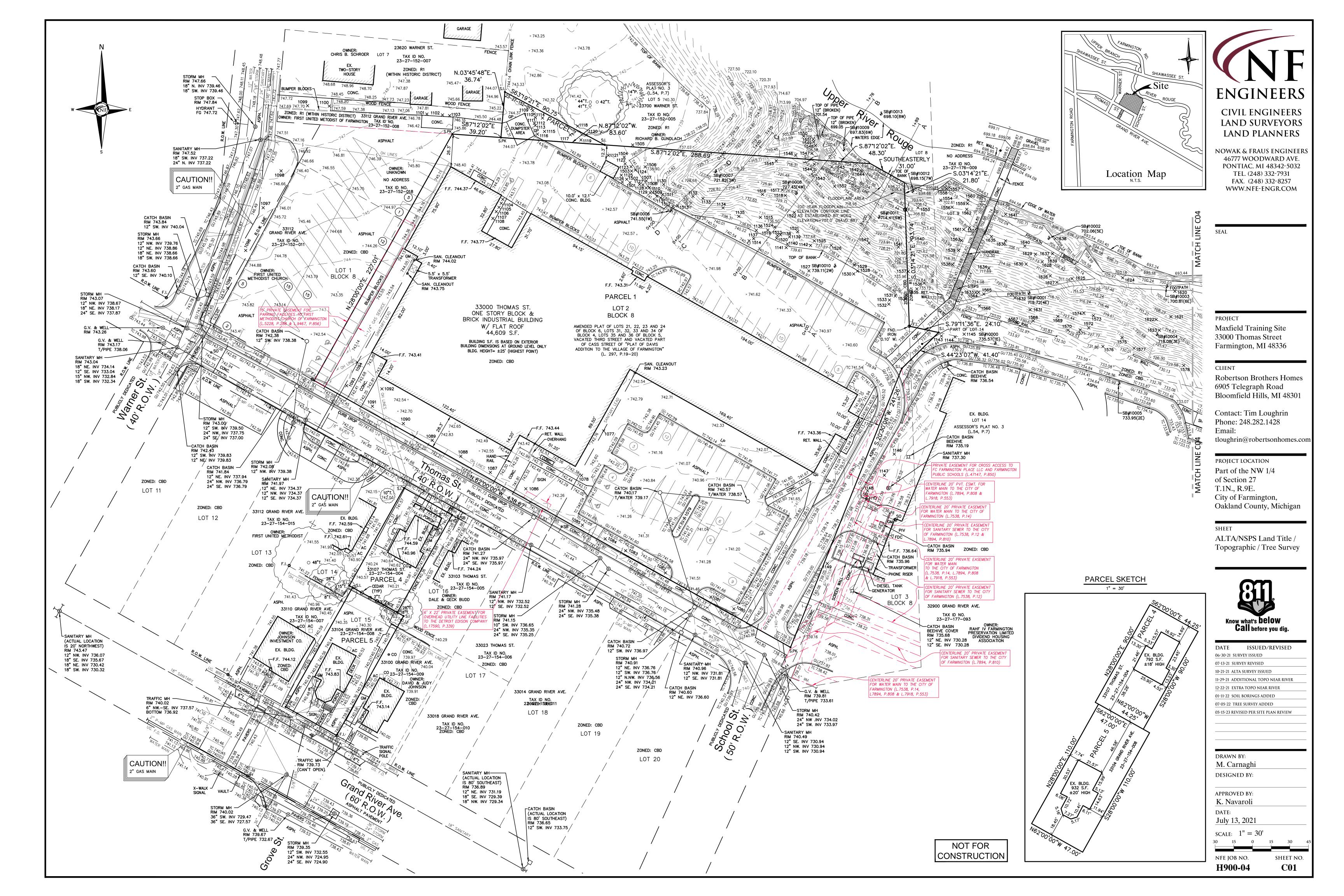


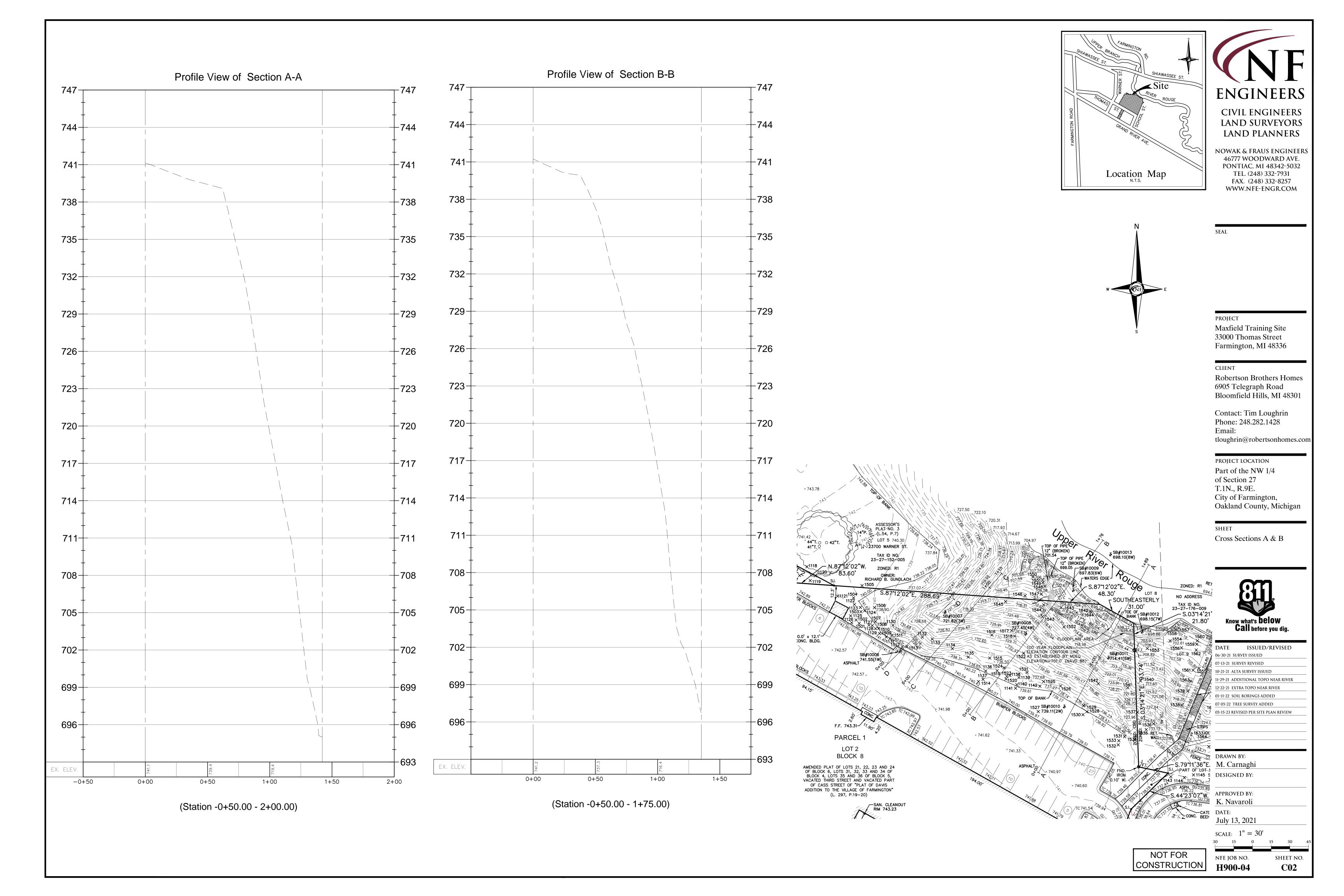


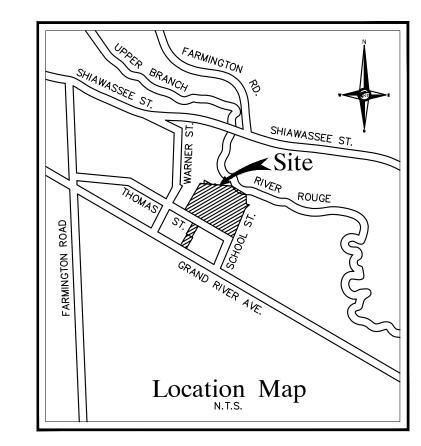


NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM





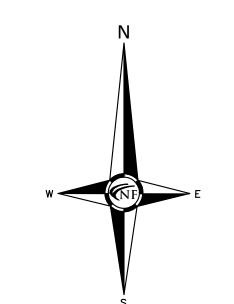






CIVIL ENGINEERS Land Surveyors Land Planners

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



699.05 SB#10009 697.83(6W)

> SB#10011 \$714.41(5W)

PROJECT

Maxfield Training Site 33000 Thomas Street Farmington, MI 48336

CLIENT

Robertson Brothers Homes 6905 Telegraph Road Bloomfield Hills, MI 48301

Contact: Tim Loughrin Phone: 248.282.1428 Email:

tloughrin@robertsonhomes.com

PROJECT LOCATION

Part of the NW 1/4 of Section 27 T.1N., R.9E. City of Farmington, Oakland County, Michigan

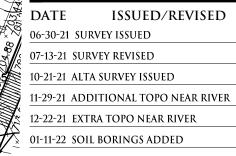
SHEET

NO ADDRESS

TAX ID NO. 23-27-176-009 S.03'14'21'

Cross Sections C & D





07-05-22 TREE SURVEY ADDED
05-15-23 REVISED PER SITE PLAN REVIEW

DRAWN BY:

S.79°11'36"E.

S.I. PART OF LOT 1

X 1145 S

1143 1144 70.736.34 7

ARPH. 60.735.89

ARPH. 60.735.89

ARPH. 736.22

APPROVED BY:

K. Navaroli

DATE:

July 13, 2021

SCALE: 1'' = 30'

SHEET NO.

C03

SCALE: 1" = 30'

NOT FOR NFE JOB NO. **H900-04**

× 743.78

0.0' x 12.1'-

PARCEL 1

LOT 2 BLOCK 8

AMENDED PLAT OF LOTS 21, 22, 23 AND 24 OF BLOCK 6, LOTS 31, 32, 33 AND 34 OF BLOCK 4, LOTS 35 AND 36 OF BLOCK 5,

VACATED THIRD STREET AND VACATED PART
OF CASS STREET OF "PLAT OF DAVIS
ADDITION TO THE VILLAGE OF FARMINGTON"
(L. 297, P.19–20)

SAN. CLEANOUT RIM 743.23

ASSESSOR'S PLAT NO. 3 14"P. Z (L.54, P.7)

LOT 5 740.30

ZONED: R1

Profile View of Section C-C

-747

-744

747

744-

EX. ELEV.

-0+50

0+00

(Station -0+50.00 - 1+50.00)

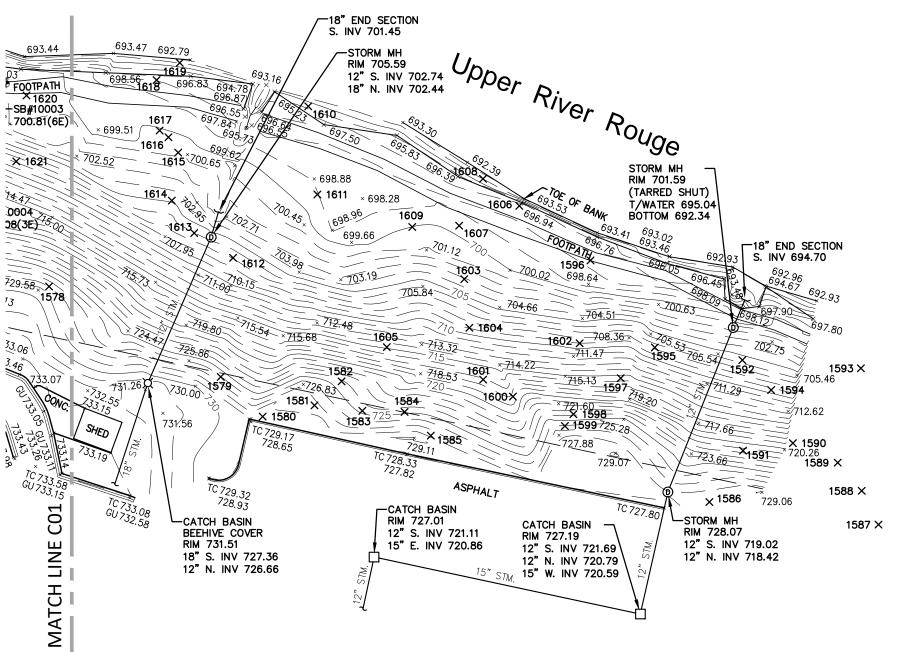
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| ree Inv | entory | | | | | | |
|--------------|---------------------------------------|--------------------------------------|------------------------------|-------------|----------------------------|--------------|---|
| ob Nun | nber | H900-02 | | | | | |
| ob Loc | | Farmington, MI | | | | | |
| Date: | | 6/1/2018 | | | | | |
| Tree He | ealth/Condition Scoring I | Factor - Tree Protection O | rdinance | | | | |
| Γree# | Botanical Name | Common Name | <u>Largest</u> <u>DBH</u> | Type | <u>Other</u> <u>DBH</u> | Condition | Comments |
| 1077 | Juglans nigra | Black Walnut | 3 | multi | many | Fair | mechanical damage |
| 1078 | Juniperus virginiana | Eastern Redcedar | 4 | | | Fair | lost leader |
| 1079 | Pyrus calleryana | Bradford Pear | 8 | | | Fair | mechanical damage |
| 1080 | Pyrus calleryana | Bradford Pear | 11 | | | Fair | epicormic branching, mechanical damage |
| 1081 | Pyrus calleryana | Bradford Pear | 7 | | | Fair | mechanical damage |
| 1082 | Pyrus calleryana | Bradford Pear | 8 | | | Fair | epicormic branching, mechanical damage |
| 1083 | Pyrus calleryana | Bradford Pear | 9 | | | Good | |
| 1084 | Pyrus calleryana | Bradford Pear | 9 | | | Fair | girdling roots, epicormic branching |
| 1085 | Pyrus calleryana | Bradford Pear | 9 | | | Fair | weak crotch, epicormic branching, mechanical damage |
| 1086 | Pyrus calleryana | Bradford Pear | 9 | | | Fair | girdling roots, mechanical damage |
| 1087 1088 | Pyrus calleryana | Bradford Pear | 11 | Iti | | Good | airdling roots onicormic bronching mechanical domage |
| 1088 1089 | Pyrus calleryana Pyrus calleryana | Bradford Pear Bradford Pear | 11 12 | multi | | Fair Fair | girdling roots, epicormic branching, mechanical damage weak crotch, mechanical damage |
| 1089 | Pyrus calleryana Pyrus calleryana | Bradford Pear Bradford Pear | 11 | | | Fair Fair | girdling roots, epicormic branching, mechanical damage |
| 1090 | Pyrus calleryana Pyrus calleryana | Bradford Pear | 12 | | | Fair Fair | epicormic branching, mechanical damage |
| 1091 | Malus spp. | Crab-apple | 5 | twin | | Fair | stump sprouts, competition |
| 1093 | Malus spp. | Crab-apple Crab-apple | 4 | | | Fair | Stump sprouts, epicormic branching |
| 1094 | Malus spp. | Crab-apple | 4 | multi | | Fair | stump sprouts, epicormic branching, high root ball |
| 1095 | Pyrus calleryana | Bradford Pear | 12 | | | Fair | weak crotch, epicormic branching |
| 1096 | Pyrus calleryana | Bradford Pear | 7 | multi | 6,5,5,5,4,4 | Fair | girdling roots, epicormic branching, weak crotch |
| 1097 | Pyrus calleryana | Bradford Pear | 9 | multi | 8,6,5 | Fair | epicormic branching, dieback |
| 1098 | Pyrus calleryana | Bradford Pear | 13 | | • • | Fair | girdling roots, mechanical damage |
| 1099 | Prunus avium | Sweet Cherry | 3 | | | Poor | open wound, rot, fungus |
| 1100 | Prunus avium | Sweet Cherry | 6 | | | Poor | rot, fungus, seam |
| 1101 | Acer negundo | Boxelder | 2 | | | Fair | lean, rot, competition, dieback |
| 1102 | Syringa vulgaris | Lilac | 3 | multi | many | Fair | rot, dieback |
| 1103 | Rhamnus cathartica | Common Buckthorn | 2 | | | Good | |
| 1104 | Morus alba | White Mulberry | 2 | | | Poor | fungus, lean, competition |
| 1105 | Morus alba | White Mulberry | 1 | | | Fair | competition |
| 1106 | Amelanchier spp. | Serviceberry | 1 | multi | many | Fair | competition |
| 1107 | Amelanchier spp. | Serviceberry | 1 | multi | many | Fair | competition |
| 1108 | Amelanchier spp. | Serviceberry | 2 | multi | many | Good | |
| 1109 | Celtis occidentalis | Northern White Cedar | 2 | multi | 2,2,1,1 | Fair | suppression |
| 1110 | Celtis occidentalis | Northern White Cedar | 1 | multi | 1,1,1 | Fair | suppression, broken limbs |
| 1111 | Celtis occidentalis | Northern White Cedar | 2 | multi | 2,1,1,1 | Fair | suppression |
| 1112 1113 | Celtis occidentalis | Northern White Cedar | 2 | multi | 2,2,1 | Fair | suppression |
| 1113 1114 | Celtis occidentalis Juglans nigra | Northern White Cedar Black Walnut | 2 17 | multi | 2,2,2,1 | Fair Fair | suppression dieback, competition |
| 1115 | Juglans nigra | Black Walnut | 10 | | | Fair | competition |
| 1116 | Celtis occidentalis | Northern White Cedar | 3 | multi | many | Fair | suppression |
| 1117 | Juglans nigra | Black Walnut | 4 | manu | illally | Fair | suppression |
| 1118 | Acer negundo | Boxelder | 14 | | | Poor | dieback, rot, broken limbs |
| 1119 | Celtis occidentalis | Northern White Oak | 6 | | | Fair | suppression |
| 1120 | Juglans nigra | Black Walnut | 13 | | | Fair | suppression, mechanical damage |
| 1121 | Acer negundo | Boxelder | 4 | | | Poor | lean, dieback, rot |
| 1122 | Acer saccharum | Sugar Maple | 4 | | | Poor | suppression, broken leader |
| 1123 | Ulmus pumila | Siberian Elm | 13 | | | Poor | dieback, thin crown |
| 1124 | Acer negundo | Boxelder | 5 | | | Poor | rot, lean, suppression |
| 1125 | Ulmus americana | American Elm | 12 | | | Poor | lean, suppression, fungus |
| 1126 | Ulmus pumila | Siberian Elm | 10 | | | Poor | mechanical damage, suppression |
| 1127 | Ulmus pumila | Siberian Elm | 13 | | | Poor | suppression, fungus, mechanical damage |
| 1128 | Ulmus americana | American Elm | 4 | | | Poor | suppression |
| 1129 | Acer negundo | Boxelder | 5 | | | Poor | lean, suppression |
| 1130 | Acer platanoides | Norway Maple | 11 | | | Poor | seam, rot, suppression |
| 1131 | Ulmus americana | American Elm | 4 | | | Poor | vines, suppression |
| 1132 | Acer platanoides | Norway Maple | 5 | | | Poor | vines, suppression |
| 1133 | Acer saccharum | Sugar Maple | 4 | 4. • | 4.4 | Poor | vines, suppression |
| 1134 | Ulmus americana | American Elm | 18 4 | twin | 11 | Good | vines suppression |
| 135 136 | Acer saccharum Acer saccharum | Sugar Maple | 4 | | | Poor | vines, suppression |
| 136 137 | Acer saccnarum Celtis occidentalis | Sugar Maple Northern White Oak | 4 6 | | | Fair Fair | competition competition |
| 1137 1138 | Juglans nigra | Black Walnut | 6 17 | | | Fair Good | competition |
| 1138 1139 | Jugians nigra Acer saccharum | Sugar Maple | 17 6 | | | Good Fair | competition |
| 1139 | Acer saccharum Acer saccharum | Sugar Maple Sugar Maple | 6 | | | Fair Poor | suppression, fungus |
| 1140 1141 | Acer saccharum Acer saccharum | Sugar Maple Sugar Maple | 9 | | | Poor Fair | dieback |
| 1141 | Acer saccharum Acer negundo | Sugar Maple Boxelder | 6 | | | Poor | rot, dieback, lean |
| 1142 | Pinus resinosa | Red Pine | 16 | | | Fair | insect, girdling roots, competition |
| 1143 | Pinus resinosa Pinus resinosa | Red Pine | 10 | | | Fair | mechanical damage, competition |
| 1144 | Ulmus pumila | Siberian Elm | 16 | | | Poor | dieback, competition |
| 1146 | Acer platanoides | Norway Maple | 13 | | | Fair | girdling roots |
| | Pyrus calleryana | Bradford Pear | 11 | | | Fair | dieback, mechanical damage |
| 1147 | . , | | | | | | ····· |
| 1147 1148 | Acer platanoides | Norway Maple | 10 | | | Fair | girdling roots, rot |

LEGAL DESCRIPTION -PER TITLE COMMITMENT

AND IN THE CITY OF FARMINGTON, OAKLAND COUNTY, MI, DESCRIBED AS FOLLOWS:

LOT 2, BLOCK 8, OF AMENDED PLAT OF LOTS 21, 22, 23 AND 24 36 OF BLOCK 5. VACATED THIRD STREET AND VACATED PART OF CASS STREET OF "PLAT OF DAVIS ADDITION TO THE VILLAGE OF FARMINGTON" ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 297 OF PLATS, PAGES 19 AND 20, OAKLAND COUNTY

PART OF LOT 5. OF ASSESSOR'S PLAT NO. 3. ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 54 OF PLATS, PAGE 7. OAKLAND COUNTY RECORDS. BEING MORE PARTICULARLY DESCRIBE AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF LOT 2 BLOCK 8 OF "AMENDED PLAT OF LOTS 21, 22, 23 AND 24 OF BLOCK 6, LOTS 31, 32, 33 AND 34 OF BLOCK 4, LOTS 35 AND 35 OF BLOCK 5, VACATED THIRD STREET AND VACATED PART OF CASS STREET OF PLAT OF DAVIS ADDITION TO THE VILLAGE OF FARMINGTON", ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 297 OF PLATS, PAGES 19 AND 20, OAKLAND COUNTY RECORDS: THENCE SOUTH 87 DEGREES 12 MINUTES 02 SECONDS EAST ALONG THE NORTH LINE OF SAID LOT 2, BLOCK 8, 39.20 EET TO THE POINT OF BEGINNING. ALSO BEING THE SOUTHWES CORNER OF SAID LOT 5; THENCE NORTH 03 DEGREES 45 MINUTES 48 SECONDS EAST ALONG THE WEST LINE OF SAID LOT 5, 36.74 FFFT: THENCE SOUTH 63 DEGREES 19 MINUTES 21 SECONDS EAST 90.75 FFFT TO A POINT ON THE NORTH LINE OF SAID LOT 2. BLOCK 8: THENCE NORTH 87 DEGREES 12 MINUTES 02 SECONDS WEST, ALONG SAID NORTH LINE OF LOT 2, BLOCK 8, 83.60 FEET

THE NORTH 90 FEET OF LOT 15, BLOCK 3, EXCEPT THE EAST 5.75 FFFT OF PLAT OF DAVIS' ADDITION TO VILLAGE (NOW CITY) OF FARMINGTON, ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 2 OF PLATS, PAGE 36, OAKLAND COUNTY RECORDS.

THE EAST 47 FEET OF THE SOUTH 110 FEET OF LOT 15. BLOCK 3. OF PLAT OF DAVIS' ADDITION TO VILLAGE (NOW CITY) OF FARMINGTON, ACCORDING TO THE PLAT THEREOF AS RECORDED IN LIBER 2 OF PLATS, PAGE 36, OAKLAND COUNTY RECORDS.

TAX ITEM NUMBER: 23-27-152-019, AS TO PARCEL 1 VACANT, FARMINGTON, MI 48336 TAX ITEM NUMBER: 23-27-152-017, AS TO PARCEL 2 VACANT, FARMINGTON, MI 48336 TAX ITEM NUMBER: 23-27-154-004, AS TO PARCEL 4

ADDRESS: 33107 THOMAS STREET, FARMINGTON, MI 48336 TAX ITEM NUMBER: 23-27-154-008, AS TO PARCEL 5 ADDRESS: 33104 GRAND RIVER AVENUE, FARMINGTON, MI 48336

TITLE REPORT NOTES

REFERENCE FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NUMBER: 932709, DATED: AUGUST 20, 2021,

SCHEDULE B, PART II - EXCEPTIONS EXCEPTIONS: 1, 4, 5, 6 AND 14 REFER TO THE OWNERSHIP OF THE

PROPERTY AND/OR ARE NOT PLOTTABLE SHOWN BY THE PUBLIC RECORDS BUT THAT COULD BE ASCERTAINED

BY MAKING INQUIRY OF PERSONS IN POSSESSION OF THE LAND. 3. EASEMENTS, ENCUMBRANCES, OR CLAIMS THEREOF, NOT SHOWN

7. TERMS AND CONDITIONS CONTAINED IN AGREEMENT & EASEMENTS

AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 5228, PAGE 288 AND AMENDED AGREEMENT AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 9467, PAGE 856, AND AS DISCLOSED BY THE RECORDED PLAT, AS TO PARCEL 1. [EASEMENT IS WITHIN THE SURVEYED LAND AND ITS LOCATION IS SHOWN] 8. DETROIT EDISON OVERHEAD EASEMENT (RIGHT OF WAY) IN FAVOR

F THE DETROIT EDISON COMPANY AND THE COVENANTS. CONDITIONS AND RESTRICTIONS CONTAINED IN INSTRUMENT RECORDED IN LIBER 17590, PAGE 339, AND AS DISCLOSED BY THE RECORDED PLAT, AS TO PARCEL 1. [EASEMENT IS WITHIN THE SURVEYED LAND AND ITS LOCATION IS SHOWN]

9. TERMS AND CONDITIONS CONTAINED IN FASEMENT AGREEMENT AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 47147, PAGE 850. AND AS DISCLOSED BY THE RECORDED PLAT, AS TO PARCEL 1. [EASEMENT IS WITHIN THE SURVEYED LAND AND ITS LOCATION IS

FLOODPLAIN RESTRICTIVE COVENANT AS DISCLOSED BY INSTRUMENT RECORDED IN LIBER 50910, PAGE 224, AS TO PARCEL 1. TA PORTION OF THE SURVEYED LAND IS WITHIN THE PROPERTY DESCRIBED IN SAID DOCUMENT, DOCUMENT DOES NOT DESCRIBE ANY PLOTTABLE EASEMENTS] . RIGHTS OF THE UNITED STATES, STATE OF MICHIGAN AND THE

10. TERMS AND CONDITIONS CONTAINED IN DECLARATION OF

PUBLIC FOR COMMERCE, NAVIGATION, RECREATION AND FISHERY, IN ANY PORTION OF THE LAND COMPRISING THE BED OF UPPER BRANCH OF ROUGE RIVER, OR LAND CREATED BY FILL OR ARTIFICIAL ACCRETION, AS TO PARCEL 1.

12. THE NATURE, EXTENT OR LACK OF RIPARIAN RIGHTS OR THE RIPARIAN RIGHTS OF RIPARIAN OWNERS AND THE PUBLIC IN AND TO THE USE OF THE WATERS OF UPPER BRANCH OF ROUGE RIVER, AS

13. RIGHTS OF TENANTS, IF ANY, UNDER ANY UNRECORDED LEASES.

| LEGEND | |
|---|--|
| LEGEND MANHOLE(MH) CO HYDRANT(HYD) GATE VALVE(GVW) MANHOLE(MH) CATCH BASIN(CB) CBB CBB UTILITY POLE GUY POLE GUY WIRE LP ASPH. CONC. FD. / FND. RET. WALL R.O.W. SPK | EXISTING SANITARY SEWER EXISTING SAN. CLEAN OUT EXISTING WATER MAIN EXISTING STORM SEWER EX. BEEHIVE CATCH BASIN EX. UNDERGROUND (UG.) CABLI OVERHEAD (OH.) LINES LIGHT POLE SIGN EXISTING GAS MAIN ASPHALT CONCRETE FOUND RETAINING WALL RIGHT—OF—WAY SET PK NAIL |
| (TYP) (R) (M) C/L | TYPICAL RECORD MEASURED CENTERLINE |
| P/L GM EM L/S DS | PROPERTY LINE GAS METER ELECTRIC METER LANDSCAPE DOWNSPOUT |
| MB | MAIL BOX |

SURVEY DATA

PARCEL :

PARCEL

PARCEL 4

PARCEL 5:

SITE AREA: 128,908.20 SQUARE FEET OR 2.959 ACRES 1,535.52 SQUARE FEET OR 0.035 ACRES 3 982 50 SQUARE FEET OR 0 091 ACRES PARCEL 5: 5.170.00 SQUARE FEET OR 0.119 ACRES

PARCEL CBD, CENTRAL BUSINESS DISTRICT R1, SINGLE FAMILY RESIDENTIAL DISTRICT PARCEL PARCEL CBD. CENTRAL BUSINESS DISTRICT CBD, CENTRAL BUSINESS DISTRICT PARCEL 5 PARKING SPACES: PARCEL 1 100 SPACES, INCLUDING 6 BARRIER-FREE SPACES PARCEL 2

BUILDING SETBACKS (CENTRAL BUSINESS DISTRICT): FRONT:

MAXIMUM BUILDING HEIGHT (CENTRAL BUSINESS DISTRICT): 4 STORIES / 45 FEET

A SURVEYOR CANNOT MAKE A CERTIFICATION ON THE BASIS OF AN INTERPRETATION OR OPINION OF ANOTHER PARTY, TH BUILDING SETBACK LINES ARE NOT PLOTTED HEREON. A ZONING ENDORSEMENT LETTER SHOULD BE OBTAINED FROM THE CITY OF FARMINGTON TO INSURE CONFORMITY AS WELL AS MAKE A FINAL DETERMINATION OF THE REQUIRED BUILDING SETBACK REQUIREMENTS.

ALTA SURVEY NOTES

UTILITY COMPANIES.

THERE IS NO VISIBLE EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS. THERE IS NO PROPOSED CHANGES IN STREET RIGHT OF WAY

LINES AND THERE IS NO EVIDENCE OF RECENT STREET OR

THERE IS NO VISIBLE EVIDENCE OF SITE USE AS A SOLID WASTE THERE IS NO VISIBLE EVIDENCE OF ANY WETLAND AREAS. LOCATION OF UTILITIES EXISTING ON OR SERVING THE PROPERTY AS DETERMINED BY: OBSERVED EVIDENCE OR EVIDENCE FROM

PLANS REQUESTED BY THE SURVEYOR AND OBTAINED FROM

THE SUBJECT PROPERTY HAS ACCESS TO THOMAS AVENUE AND GRAND RIVER AVENUE, BOTH BEING A PUBLICLY DEDICATED ROAD.

BASIS OF BEARING NOTE

SIDEWALK CONSTRUCTION OR REPAIR.

THE BASIS OF BEARING FOR THIS SURVEY WAS ESTABLISHED BY THE PREVIOUSLY RECORDED NORTHERLY LINE OF THOMAS STREET AS DESCRIBED IN PLAT OF DAVIS ADDITION TO VILLAGE OF FARMINGTON RECORDED IN LIBER 2 OF PLATS, ON PAGE 36, OAKLAND COUNTY RECORDS. (S.62°00'E.)

FLOOD HAZARD NOTE

RY GRAPHIC PLOTTING ONLY PORTIONS OF THE PROPERTY AS SHOWN HEREON LIES WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE PROPERTY LIES WITHIN ZONE(S) 'AE' & 'X' OF THE FLOOD INSURANCE RATE MAP IDENTIFIÉD AS MAP NO. 26125C0503F, BEARING AN EFFECTIVE DATE OF SEPTEMBER 29, 2006.

DTE DISCLAIMER NOTE

PLEASE NOTE THAT DTE HAS NEW REGULATIONS THAT MAY IMPACT DEVELOPMENT OUTSIDE THEIR EASEMENT OR THE PUBLIC RIGHT OF WAY. CLIENT SHALL CONTACT DTE TO DETERMINE THE "NEW STRUCTURES AND POWER LINE" REQUIREMENTS AS THEY MAY APPLY TO ANY FUTURE BUILDING OR RENOVATION OF A STRUCTURE. DTE ENERGY CAN BE CONTACTED AT 800-477-4747

MISS DIG / UTILITY DISCLAIMER NOTE A MISS DIG TICKET NUMBER B011521931, PURSUANT TO MICHIGAN PUBLIC ACT 174 WAS ENTERED FOR THE SURVEYED PROPERTY DU TO THE EXTENDED REPORTING PERIOD FOR LINDERGROUND FACILITY OWNERS TO PROVIDE THEIR RECORDS, THE SURVEY MAY NOT REFLECT ALL THE UTILITIES AT THE TIME THE SURVEY WAS ISSUED ON JUNE 30, 2021. THE SURVEY ONLY REFLECTS THOSE UTILITIES WHICH COULD BE OBSERVED BY THE SURVEYOR IN THE FIFLD OF

AS DEPICTED BY THE UTILITY COMPANY RECORDS FURNISH PRIOR TO THE DATE THIS SURVEY WAS ISSUED. THE CLIENT AND/OR THEIR AUTHORIZED AGENT SHALL VERIFY WITH THE FACILITY OWNERS AND/OR THEIR AUTHORIZED AGENTS, THE COMPLETENESS AND EXACTNESS OF THE UTILITIES LOCATION.

TOPOGRAPHIC SURVEY NOTES ALL ELEVATIONS ARE EXISTING ELEVATIONS, UNLESS OTHERWISE

UTILITY LOCATIONS WERE OBTAINED FROM MUNICIPAL OFFICIALS AND RECORDS OF UTILITY COMPANIES. AND NO GUARANTEE CAN BE MADE TO THE COMPLETENESS, OR EXACTNESS OF LOCATION.

CERTIFICATE OF SURVEY

-ROBERTSON BROTHERS CO., ON BEHALF OF AN ENTITY TO BE FORMED -CITY OF FARMINGTON, A MICHIGAN MUNICIPAL CORPORATION, AS TO PARCEL 1. 2, AND 5 -THE CITY OF FARMINGTON, A MICHIGAN MUNICIPAL CORPORATION, AS TO PARCEL 4 -FIRST AMERICAN TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS. AND INCLUDE ITEMS 1, 2, 3, 4, 6(a), 6(b), 7(a), 7(b)(1), 7(c), 8, 9 11(a). 13. 14. 16. 17. 18 AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON NOVEMBER 12, 2021.

KĒVIN NAVAROLI, P.S. NO. 4001053503



NOT FOR CONSTRUCTION



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.NFE-ENGR.COM

SEAL

PROJECT

Maxfield Training Site 33000 Thomas Street Farmington, MI 48336

CLIENT

Robertson Brothers Homes 6905 Telegraph Road Bloomfield Hills, MI 48301

Contact: Tim Loughrin Phone: 248.282.1428

tloughrin@robertsonhomes.com

PROJECT LOCATION

Part of the NW 1/4 of Section 27 T.1N., R.9E. City of Farmington, Oakland County, Michigan

SHEET

Survey Notes / Tree List



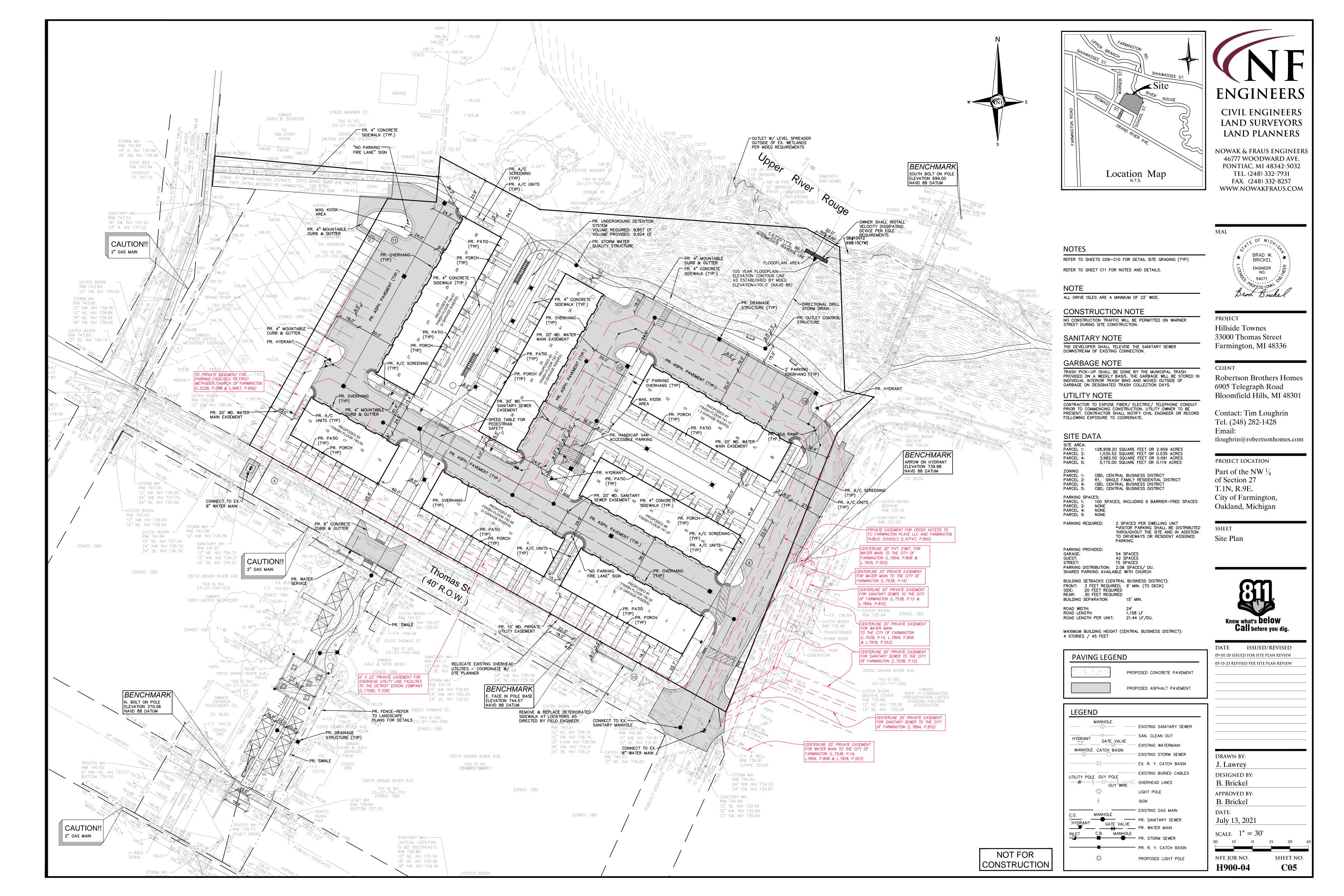
| DATE | ISSUED/REVISED |
|---------------|---------------------------|
| 06-30-21 SUI | RVEY ISSUED |
| 07-13-21 SUR | RVEY REVISED |
| 10-21-21 ALT. | A SURVEY ISSUED |
| 11-29-21 ADI | DITIONAL TOPO NEAR RIVER |
| 12-22-21 EXT | RA TOPO NEAR RIVER |
| 01-11-22 SOI | L BORINGS ADDED |
| 07-05-22 TRI | EE SURVEY ADDED |
| 05-15-23 REV | ISED PER SITE PLAN REVIEW |
| | |
| | |
| | |

DRAWN BY: M. Carnaghi **DESIGNED BY: APPROVED BY:** K. Navaroli DATE: July 13, 2021 SCALE: 1'' = 30'

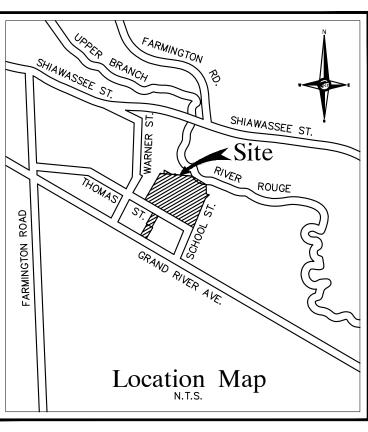
SHEET NO.

C04

NFE JOB NO. H900-04



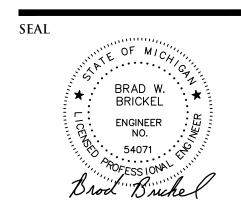




ENGINEERS

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



PROJECT Hillside Townes 33000 Thomas Street Farmington, MI 48336

CLIENT

Robertson Brothers Homes 6905 Telegraph Road Bloomfield Hills, MI 48301

Contact: Tim Loughrin Tel. (248) 282-1428 tloughrin@robertsonhomes.com

PROJECT LOCATION

Part of the NW ½
of Section 27
T.1N, R.9E.
City of Farmington,
Oakland, Michigan

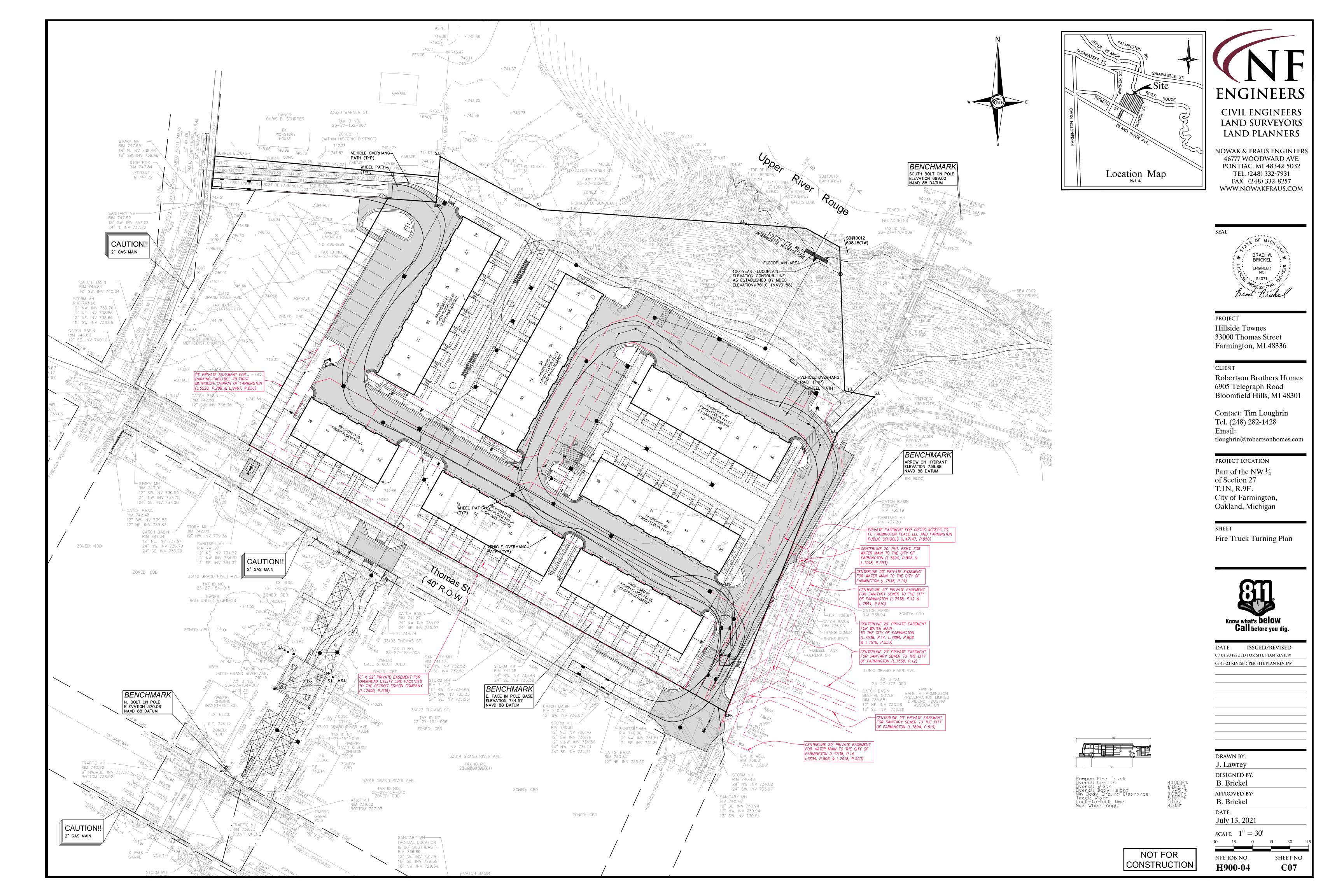
Aerial Vicinty Plan

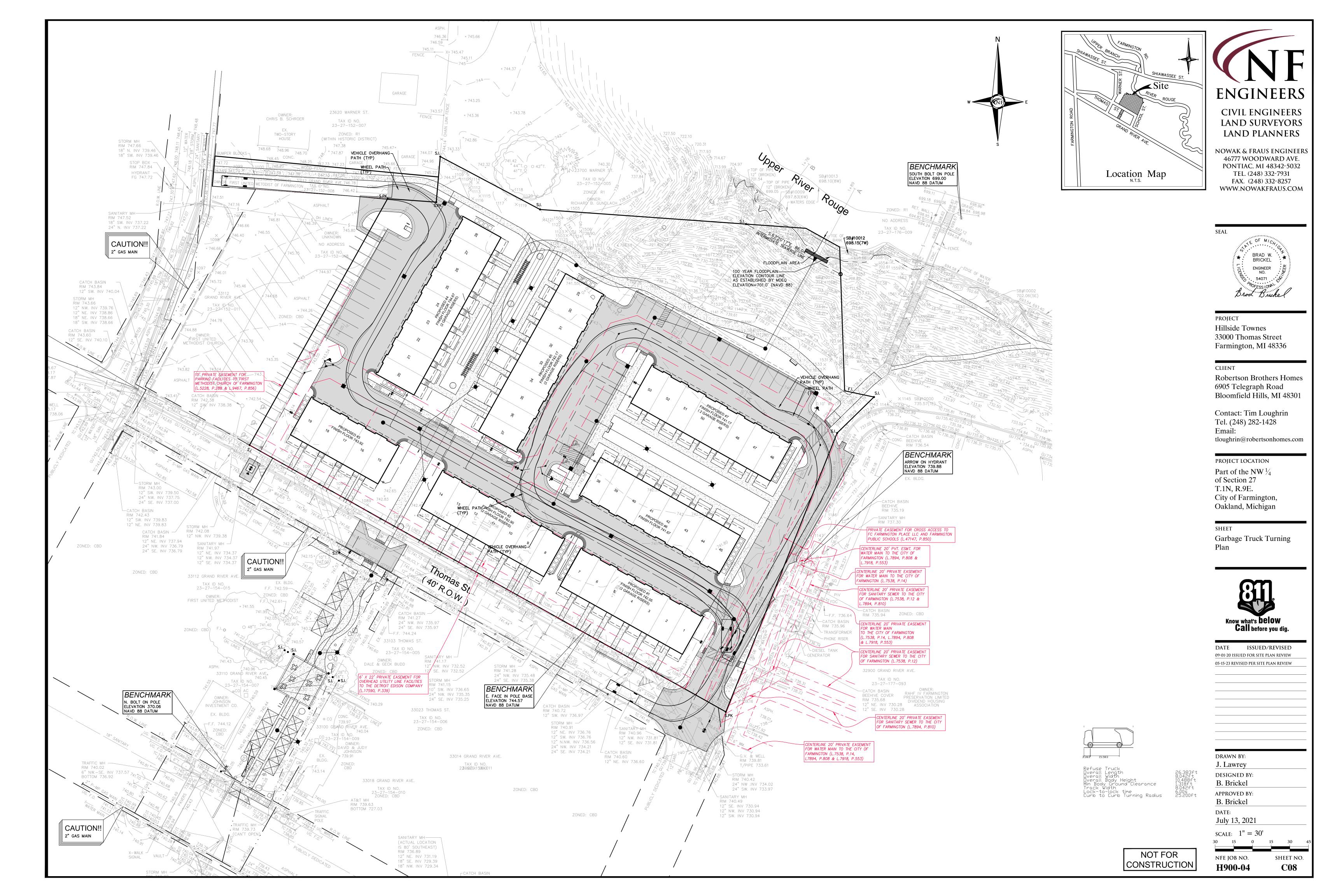


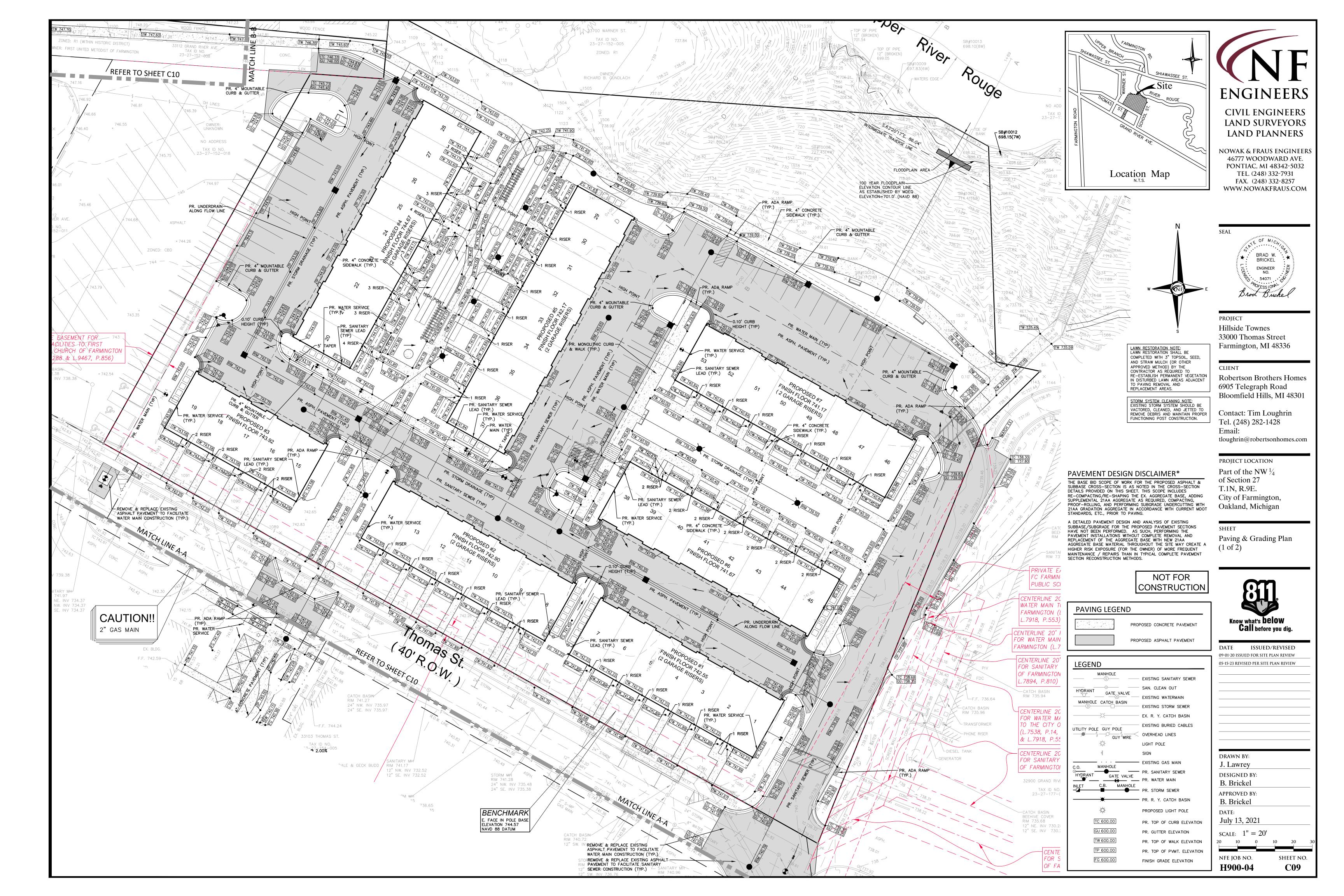
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| 05-15-23 REV | ISED PER SITE PLAN REVIEW |
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| DRAWN | BY: |
| J. Lawr | ey |
| DESIGNE | ED BY: |
| B. Bric | kel |
| APPROVE | ED BY: |
| B. Bric | kel |
| DATE: | |
| July 13 | , 2021 |
| | <i>'</i> |

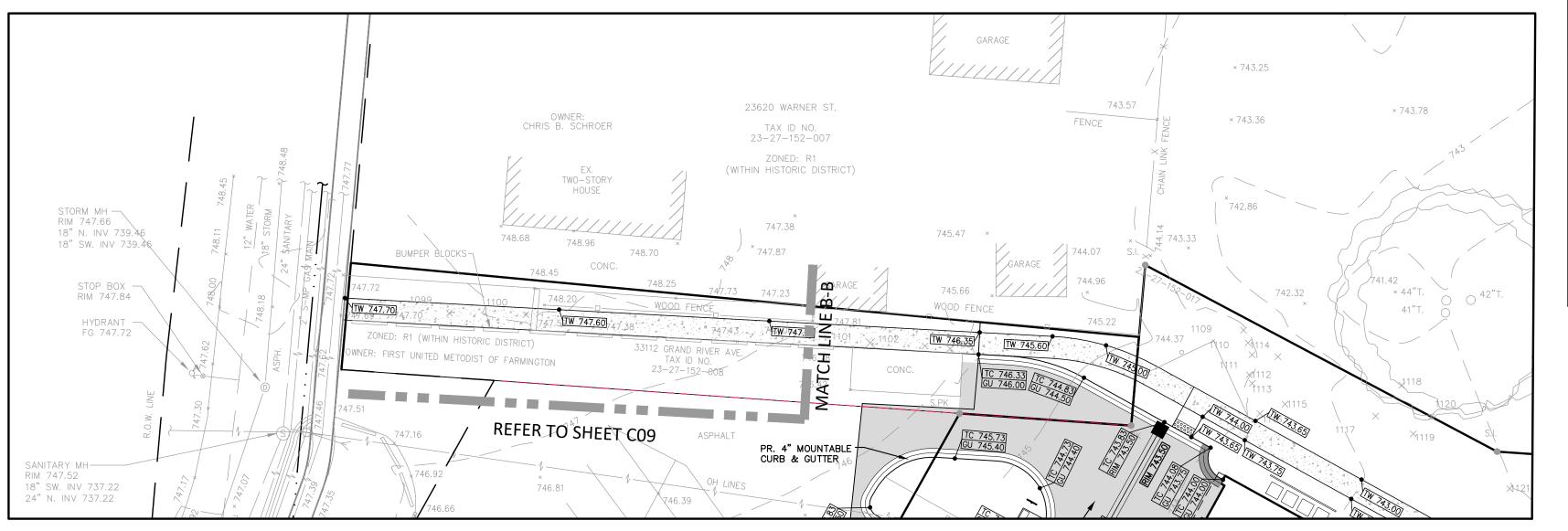
NOT FOR CONSTRUCTION

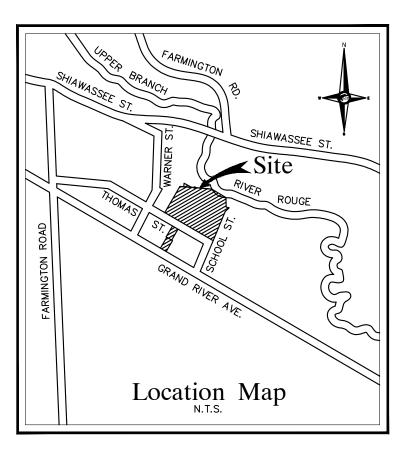
H900-04 **C06**







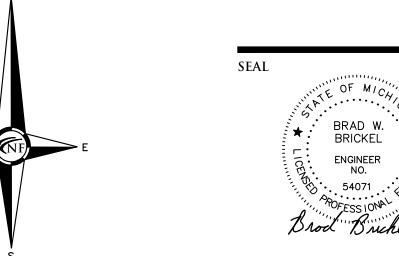




ENGINEERS

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PROJECT Hillside Townes 33000 Thomas Street Farmington, MI 48336

CLIENT Robertson Brothers Homes

6905 Telegraph Road Bloomfield Hills, MI 48301 STORM SYSTEM CLEANING NOTE: EXISTING STORM SYSTEM SHOULD BE VACTORED, CLEANED, AND JETTED TO Contact: Tim Loughrin REMOVE DEBRIS AND MAINTAIN PROPER

Tel. (248) 282-1428 Email: tloughrin@robertsonhomes.com

THE BASE BID SCOPE OF WORK FOR THE PROPOSED ASPHALT & DETAILS PROVIDED ON THIS SHEET. THIS SCOPE INCLUDES RE-COMPACTING/RE-SHAPING THE EX. AGGREGATE BASE, ADDING SUPPLEMENTAL 21AA AGGREGATE AS REQUIRED, COMPACTING, 21AA GRADATION AGGREGATE IN ACCORDANCE WITH CURRENT MDOT STANDARDS, ETC., PRIOR TO PAVING.

LAWN RESTORATION NOTE: LAWN RESTORATION SHALL BE COMPLETED WITH 3" TOPSOIL, SEED,

APPROVED METHOD) BY THE
CONTRACTOR AS REQUIRED TO
RE-ESTABLISH PERMANENT VEGETATION
IN DISTURBED LAWN AREAS ADJACENT

FUNCTIONING POST CONSTRUCTION.

PAVEMENT DESIGN DISCLAIMER*

AND STRAW MULCH (OR OTHER

TO PAVING REMOVAL AND

REPLACEMENT AREAS.

A DETAILED PAVEMENT DESIGN AND ANALYSIS OF EXISTING SUBBASE/SUBGRADE FOR THE PROPOSED PAVEMENT SECTIONS HAVE NOT BEEN PERFORMED. AS SUCH, PERFORMING THE PAVEMENT INSTALLATIONS WITHOUT COMPLETE REMOVAL AND REPLACEMENT OF THE AGGREGATE BASE WITH NEW 21AA AGGREGATE BASE MATERIAL THROUGHOUT THE SITE MAY CREATE A HIGHER RISK EXPOSURE (FOR THE OWNER) OF MORE FREQUENT MAINTENANCE / REPAIRS THAN IN TYPICAL COMPLETE PAVEMENT SECTION RECONSTRUCTION METHODS.

PROJECT LOCATION Part of the NW $\frac{1}{4}$ of Section 27

T.1N, R.9E. City of Farmington, Oakland, Michigan

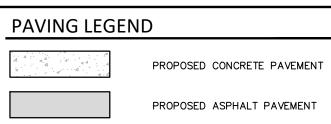
SHEET

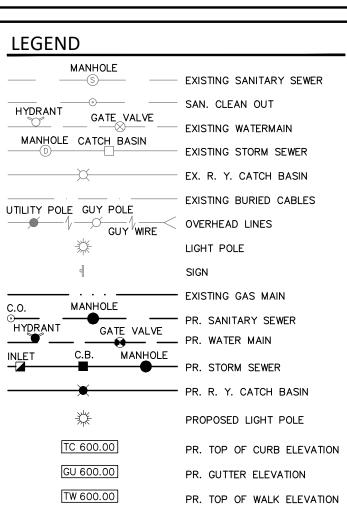
Paving & Grading Plan (2 of 2)

NOT FOR CONSTRUCTION

PR. TOP OF PVMT. ELEVATION

FINISH GRADE ELEVATION



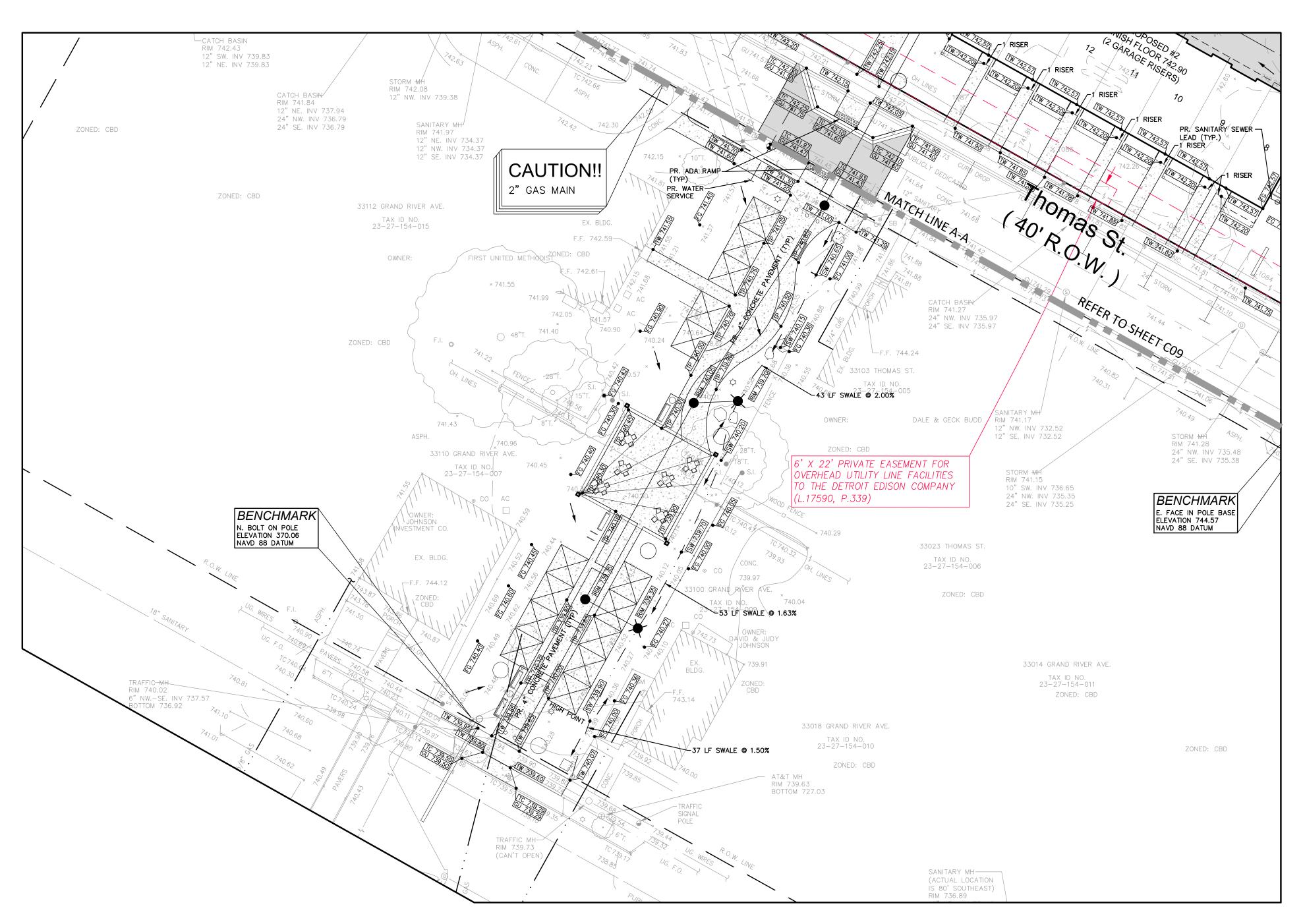


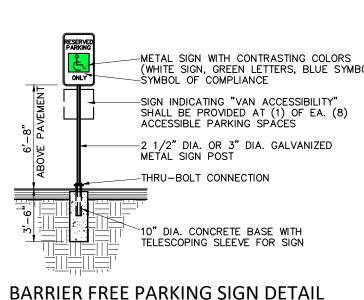
TP 600.00

FG 600.00

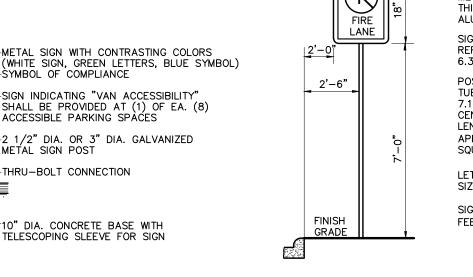


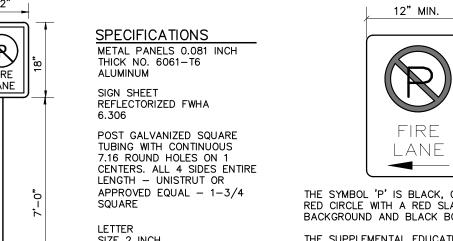
| DATE ISSUED/ | DEVIC | ED. | - |
|-----------------------------|-------|-------|----|
| 09-01-20 ISSUED FOR SITE PI | | | |
| 05-15-23 REVISED PER SITE P | | | _ |
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| DRAWN BY: | | | _ |
| J. Lawrey | | | |
| DESIGNED BY: | | | _ |
| B. Brickel | | | |
| APPROVED BY: | | | _ |
| B. Brickel | | | |
| DATE: | | | _ |
| July 13, 2021 | | | |
| SCALE: $1'' = 20'$ | | | |
| 0 10 0 | 10 | 20 | 30 |
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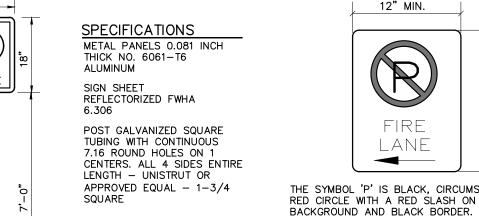


Provide (1) for each accessible parking space



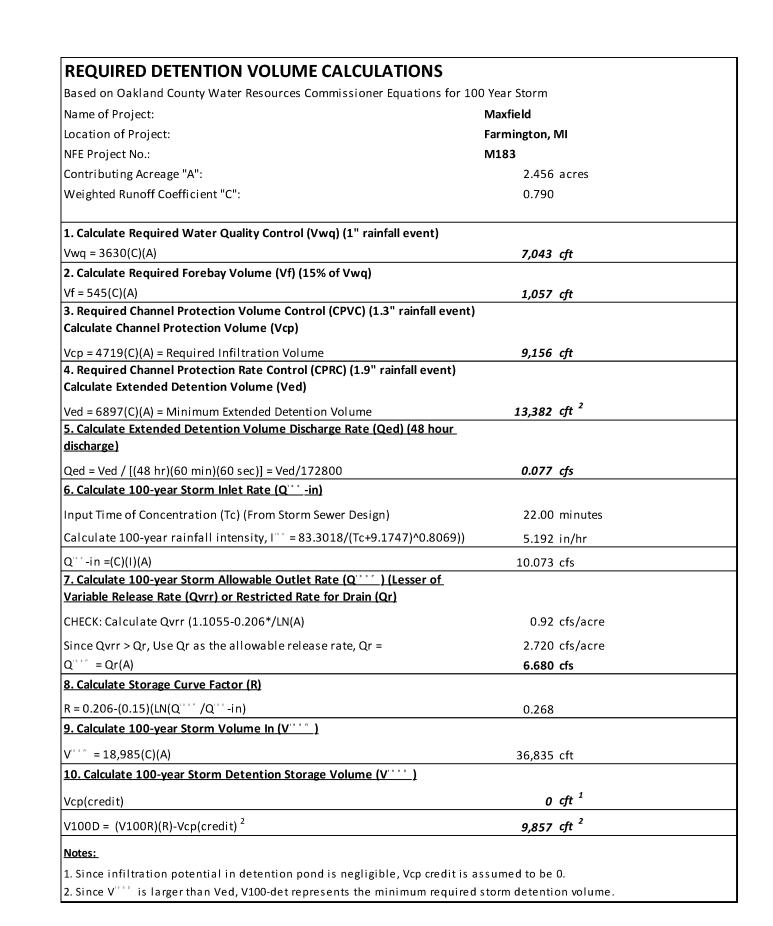


SIZE 2 INCH SIGN SPACING 75 FEET (MAX.) NO PARKING SIGN DETAIL



RED CIRCLE WITH A RED SLASH ON A WHITE BACKGROUND AND BLACK BORDER. THE SUPPLEMENTAL EDUCATIONAL PLAQUE NO PARKING, WITH A RED LEGEND AND BORDER ON A WHITE BACKGROUND, MAY BE USED ABOVE

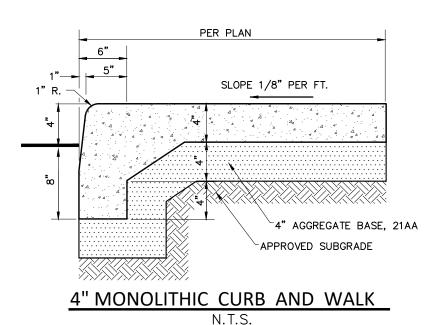
CARE SHOULD BE EXERCISED TO SEE THAT THE SINGLE ARROWS POINT IN THE PROPER DIRECTION TO INDICATE THE REGULATED ZONE. FIRE LANE SIGN DETAIL

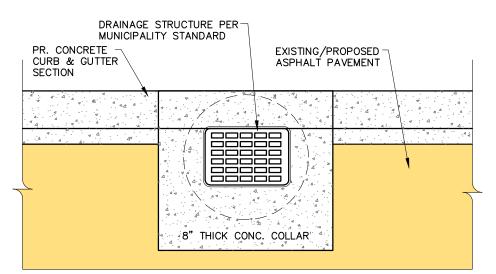


Formula: $V = 3.14159 \text{ x (Pipe Radius)}^2 \text{ x Length of Pipe}$ Pipe Diameter 72.00 Inch

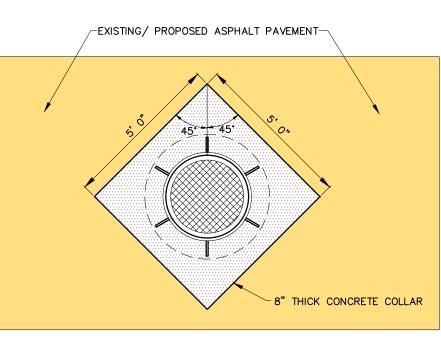
Detention Volume Calculation - Underground Pipe Storage

| po Blainete. | | |
|-----------------|----------|-------------|
| | | |
| ength, L: | 351.00 | Linear Feet |
| adius, R: | 3.00 | Feet |
| | | |
| olume Required: | 9,857.00 | Cubic Feet |
| | | |
| olume Provided: | 9,924.28 | Cubic Feet |
| | | |
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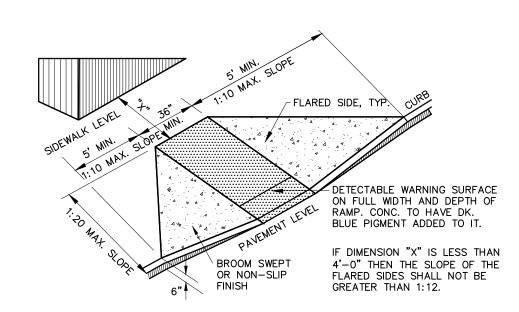








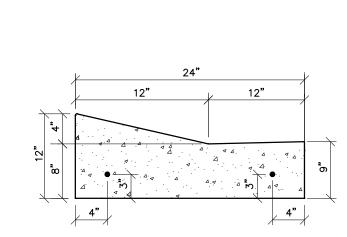
DRAINAGE STRUCTURE BOXOUT DETAIL II



CURB & WALK RAMP DETAIL N.T.S.



THE SYMBOL 'P' IS BLACK, CIRCUMSCRIBED IN A



GENERAL PAVING NOTES

LIKEWISE ARRANGE FOR ALL INSPECTION.

PLACEMENT OF BASE MATERIALS.

AFTER SAWCUT OPERATION. FEDERAL SPECIFICATION SS-S164.

PAVEMENT SHALL BE OF THE TYPE, THICKNESS AND CROSS SECTION AS INDICATED ON THE PLANS AND AS FOLLOWS:

28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND A SLUMP OF 1 1/2 TO 3 INCHES.

PAVEMENT. EXISTING SUB-BASE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER TO DETERMINE STABILITY.

AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.

ALL SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1993, SHALL BE INSTALLED AS INDICATED ON THE PLANS.

PAVEMENT BASE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED

ALL CONCRETE PAVEMENT, DRIVEWAYS, CURB & GUTTER, ETC., SHALL BE SPRAY CURED WITH WHITE MEMBRANE CURING COMPOUND

ALL CONCRETE PAVEMENT JOINTS SHALL BE FILLED WITH HOT POURED RUBBERIZED ASPHALT JOINT SEALING COMPOUND IMMEDIATELY

ALL TOP OF CURB ELEVATIONS, AS SHOWN ON THE PLANS, ARE CALCULATED FOR A 6" CONCRETE CURB UNLESS OTHERWISE NOTED.

CONSTRUCTION OF A NEW OR RECONSTRUCTED DRIVE APPROACH CONNECTING TO AN EXISTING STATE OR COUNTY ROADWAY SHALL BE

EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AREA PRIOR TO

SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1973, SHALL BE INSTALLED AS SHOWN AT ALL STREET INTERSECTIONS AND AT

ALL PAVEMENT AREAS SHALL BE PROOF-ROLLED UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF

FILL AREAS SHALL BE MACHINE COMPACTED IN UNIFORM LIFTS NOT EXCEEDING 9 INCHES THICK TO 98% OF THE MAXIMUM DENSITY

THE MAXIMUM ALLOWABLE RECYCLED ASPHALT PAVEMENT (R.A.P.) CONTENT IN H.M.A. SURFACE AND BASE COURSES SHALL BE 20%.

ALLOWED ONLY AFTER AN APPROVED PERMIT HAS BEEN SECURED FROM THE AGENCY HAVING JURISDICTION OVER SAID ROADWAY.

FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY

PORTLAND CEMENT TYPE IA (AIR-ENTRAINED) WITH A MINIMUM CEMENT CONTENT OF SIX SACKS PER CUBIC YARD, MINIMUM

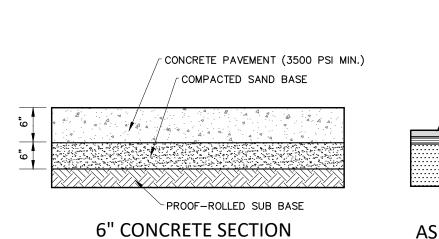
BASE COURSE - MDOT BITUMINOUS MIXTURE NO. 13A; SURFACE COURSE - MDOT BITUMINOUS MIXTURE NO. 13A; ASPHALT CEMENT SHALL BE PG 64-22, BOND COAT - MDOT SS-1H EMULSION AT 0.10 GALLON PER SQUARE YARD; MAXIMUM 2.5

MOUNTABLE CURB AND GUTTER DETAIL

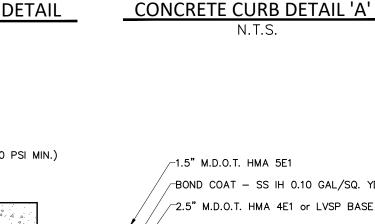
EXPANSION JOINTS SHOULD BE INSTALLED AT THE END OF ALL INTERSECTION RADII.

ALL BARRIER FREE PARKING AREAS AS INDICATED ON THE PLANS.

(MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT.



N.T.S.



BOND COAT - SS IH 0.10 GAL/SQ. YD. __2.5" M.D.O.T. HMA 4E1 or LVSP BASE 8" AGGREGATE BASE, 21AA ASPHALT PAVEMENT SECTION (DRIVE AND PARKING)

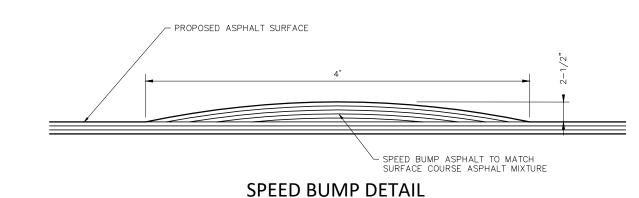
18" CONCRETE CURB & GUTTER

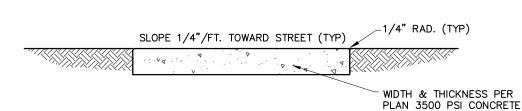
2" RADIUS

¹6" AGGREGATE BASE, 21AA

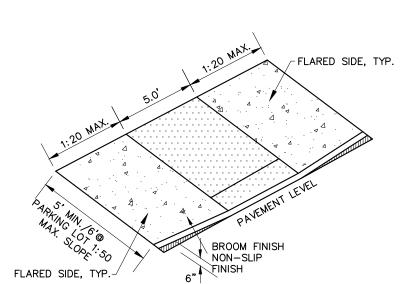
-APPROVED SUBGRADE

4 4 4



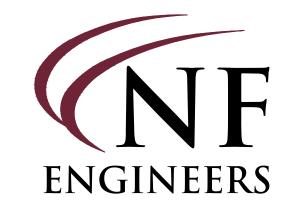


CONCRETE SIDEWALK DETAIL



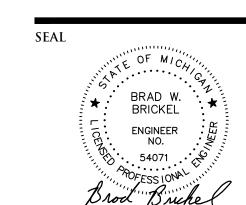
BARRIER FREE RAMP DETAIL

NOT FOR CONSTRUCTION



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



PROJECT Hillside Townes 33000 Thomas Street Farmington, MI 48336

CLIENT

Robertson Brothers Homes 6905 Telegraph Road Bloomfield Hills, MI 48301

Contact: Tim Loughrin Tel. (248) 282-1428 Email: tloughrin@robertsonhomes.com

PROJECT LOCATION

Part of the NW $\frac{1}{4}$ of Section 27 T.1N, R.9E. City of Farmington, Oakland, Michigan

SHEET

Calculation, Notes & Details Plan



DATE ISSUED/REVISED 09-01-20 ISSUED FOR SITE PLAN REVIEW 05-15-23 REVISED PER SITE PLAN REVIEW

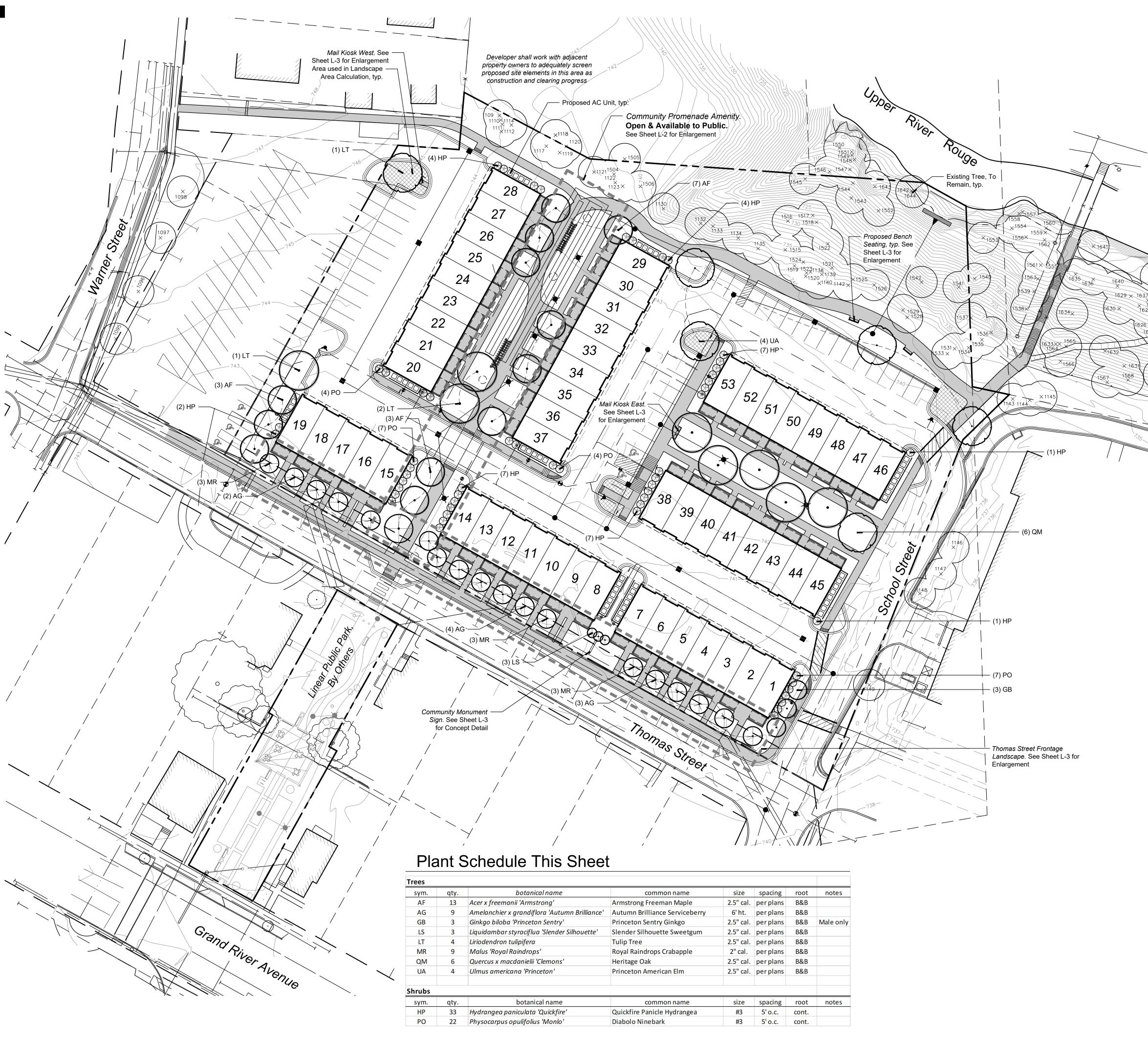
> DRAWN BY: J. Lawrey **DESIGNED BY:** B. Brickel

APPROVED BY: B. Brickel DATE:

July 13, 2021 SCALE: N.T.S.

NFE JOB NO. H900-04

SHEET NO. **C11**



Landscape Summary

Frontage Greenbelt Landscape

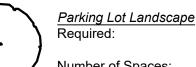
Thomas St. Frontage:

10' Width Greenbelt 1 Tree & 6 Shrubs / 30 LF of Frontage 438.67 LF 10' Width Greenbelt

15 Trees & 88 Shrubs 10' Width Greenbelt

13 Trees & 88 Shrubs (4 Canopy Trees & 18 Ornamental Trees) (2 Credits from Saved Trees)

1 Canopy Tree & 100 SF of Landscape



Parking Lot Landscape

Area / 8 Parking Spaces 6 Trees & 537.50 SF Landscape Area Required: 6 Trees & 1,335 SF Landscape Area Provided:

Street Trees Required: Total Street Frontage: 2,170 LF

Provided:

23 Trees (31 Credits from Saved Trees)

1 Tree per 40 LF of street frontage

Landscape Diversity

No one species comprising more than 33% of all proposed landscape

Total Proposed Plants: 997 Proposed Diversity:

Tree Preservation Summary

| common name | qty. | % of proposed |
|----------------------------------|------|---------------|
| Arctic Fire Red Twig Dogwood | 29 | 2.91% |
| Armstrong Freeman Maple | 13 | 1.30% |
| Autumn Brilliance Serviceberry | 9 | 0.90% |
| Big Blue Lilyturf | 80 | 8.02% |
| Blue Angel Hosta | 8 | 0.80% |
| Carousel Little Bluestem | 8 | 0.80% |
| Dense Yew | 83 | 8.32% |
| Diabolo Ninebark | 22 | 2.21% |
| First Frost Hosta | 16 | 1.60% |
| Goldsturm Black-Eyed Susan | 101 | 10.13% |
| Green Gem Boxwood | 14 | 1.40% |
| Heritage Oak | 6 | 0.60% |
| Karl Foerster Feather Reed Grass | 57 | 5.72% |
| Kodiak Orange Diervilla | 22 | 2.21% |
| Little Business Daylily | 131 | 13.14% |
| Low Scape Hedger Chokeberry | 48 | 4.81% |
| Magnus Purple Coneflower | 10 | 1.00% |
| Palace Purple Coral Bells | 18 | 1.819 |
| Patriot Hosta | 28 | 2.81% |
| Princeton American Elm | 4 | 0.40% |
| Princeton Sentry Ginkgo | 3 | 0.30% |
| Quickfire Panicle Hydrangea | 33 | 3.31% |
| Royal Raindrops Crabapple | 9 | 0.90% |
| Russian Sage | 6 | 0.60% |
| Shenandoah Switchgrass | 64 | 6.42% |
| Slender Silhouette Sweetgum | 3 | 0.30% |
| Sun King Japanese Spikenard | 24 | 2.41% |
| Tulip Tree | 4 | 0.40% |
| Visions in Red Astilbe | 64 | 6.42% |
| Walker's Low Catmint | 80 | 8.02% |

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landscape architecture / land planning

750 Forest Ave. Suite 101

Birmingham, MI 48009

T:: 248.594.3220

sheet title:

Overall Landscape Plan

project title:

Hillside Townes

Farmington, Michigan

prepared for:

Robertson Brothers Homes 6905 Telegraph Rd. - Suite 200 Bloomfield Hills, MI 48301

Phone: 248.657.4968

■ job number: ■ date: 20051 07.18.2022

■ checked by:

WTK

■ drawn by:

General Notes

Total Trees Surveyed:
- Total Trees Offsite: Total Onsite Trees:

Total Trees Removed:

Credits from Saved Trees

Trees larger than 12" Trees smaller than 11.9"

Existing Vegetation.

- Offsite Trees Removed: 5

Total Credits from Saved Trees

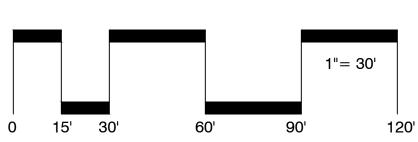
Total Trees Saved:

- All landscaped areas shall be provided with irrigation via automatic irrigation system or a readily available and acceptable water supply. Irrigation systems shall include separate zones for Lawn and Plants. - Landscape shall be installed as construction activity progresses and conditions become favorable for the health, protection, and longevity of the installed plant material.

* Credits are calculated using the parameters set forth in the City of Farmington Ordinance, Section 35-183 - Incentives for Preserving



| ■ revisions: | |
|--------------|---------------------------|
| 09.01.2022 | Per Municipal Review |
| 11.14.2022 | Per Municipal Review |
| 05.15.2023 | Per Landscape Development |
| • | |



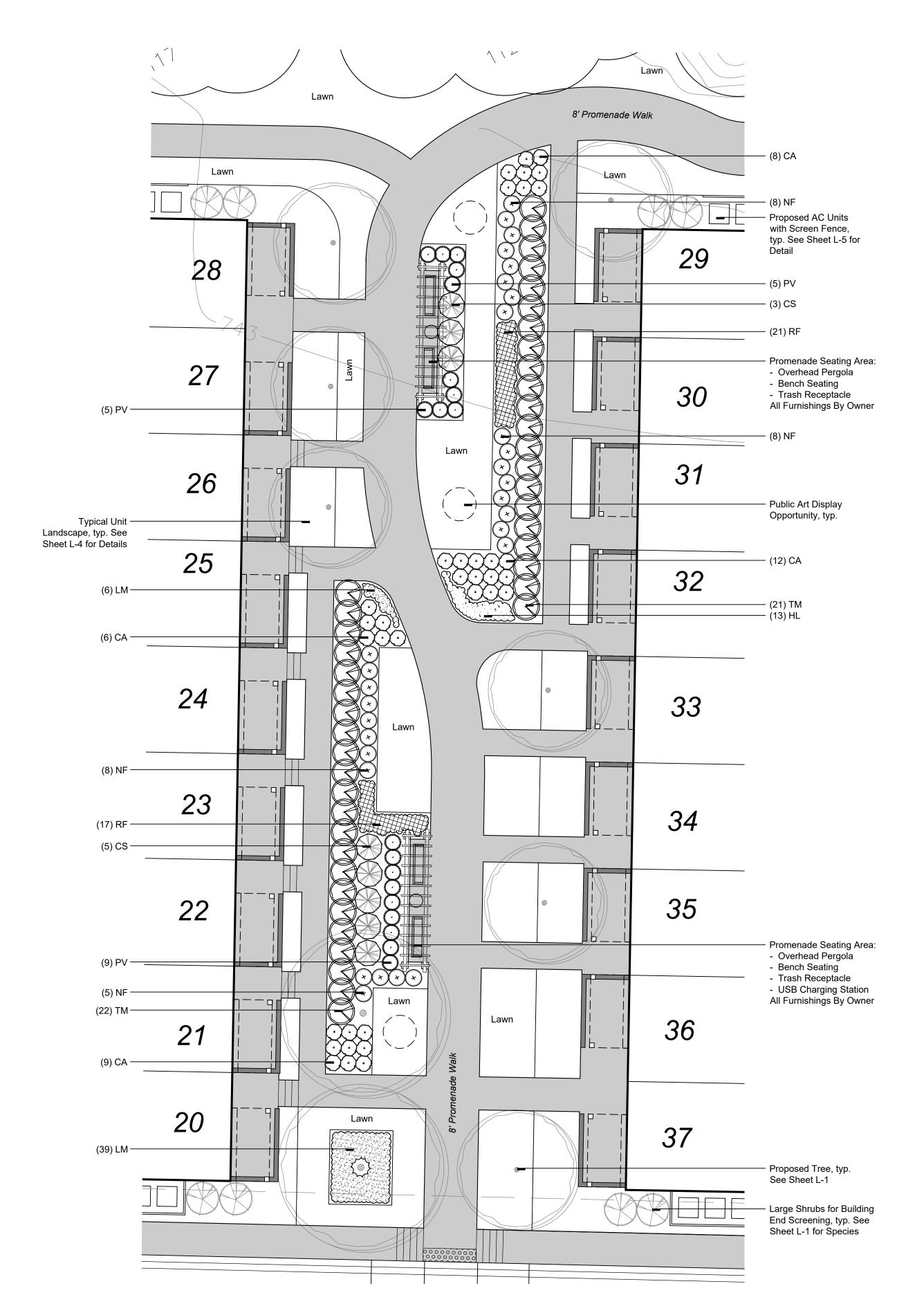




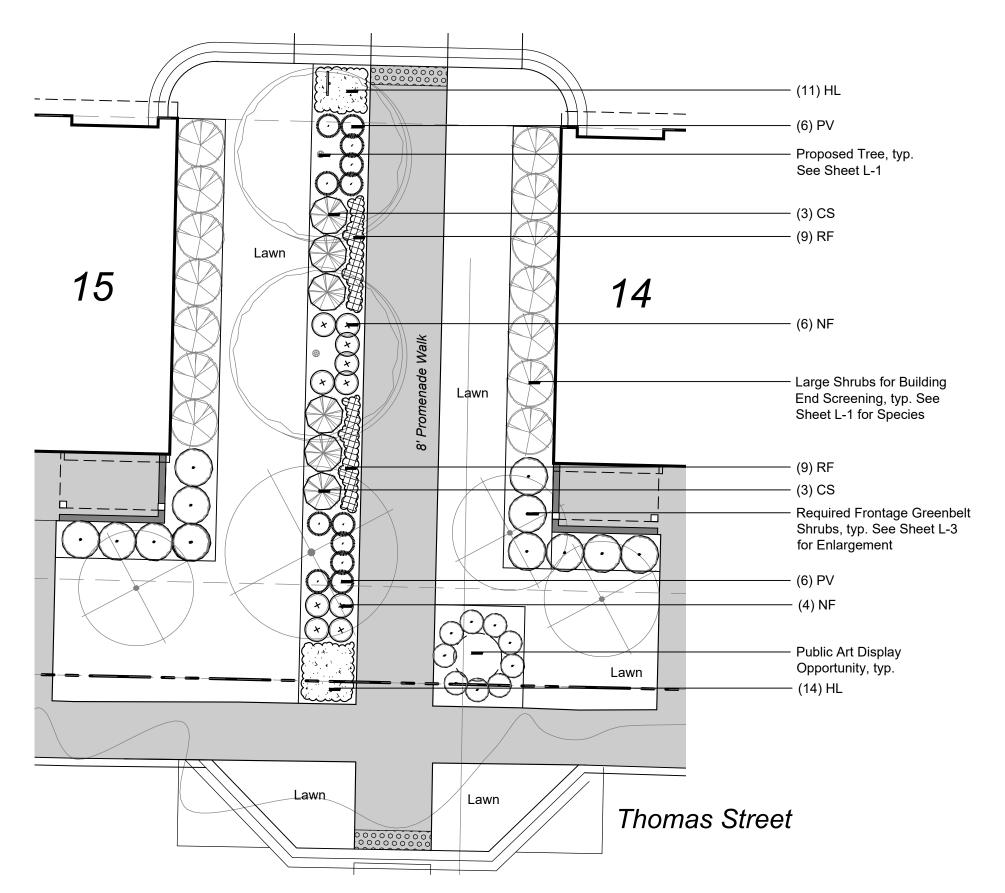
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Community Promenade Amenity - North Concept Enlargement



Community Promenade Amenity - South Concept Enlargement

Plant Schedule This Sheet

| Shrubs | | | | | | | |
|--------|------|--|----------------------------------|---------|----------|-------|-----------------|
| sym. | qty. | botanical name | common name | size | spacing | root | notes |
| CS | 14 | Cornus stolonifera 'Arctic Fire' | Arctic Fire Red Twig Dogwood | #3 | 48" o.c. | cont. | |
| TM | 43 | Taxus x media 'Densiformis' | Dense Yew | 24" ht. | 36" o.c. | B&B | Hedge at 36" ht |
| | | ses, Perennials & Bulbs | | | | | |
| sym. | qty. | botanical name | common name | size | spacing | root | notes |
| CA | 35 | Calamagrostis x acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass | #2 | 30" o.c. | cont. | |
| HL | 38 | Hemerocallis 'Little Business' | Little Business Daylily | #1 | 18" o.c. | cont. | |
| LM | 45 | Liriope muscarii 'Big Blue' | Big Blue Lilyturf | #1 | 18" o.c. | cont. | |
| NF | 39 | Nepeta x faassenii 'Walker's Low' | Walker's Low Catmint | #1 | 30" o.c. | cont. | |
| PV | 31 | Panicum virgatum 'Shenandoah' | Shenandoah Switchgrass | #2 | 30" o.c. | cont. | |
| RF | 56 | Rudbeckia fulgida 'Goldsturm' | Goldsturm Black-Eyed Susan | #1 | 18" o.c. | cont. | |

General Notes

All landscaped areas shall be provided with irrigation via automatic irrigation system or a readily available and acceptable water supply. Irrigation systems shall include separate zones for Lawn and Plants.
 Landscape shall be installed as construction activity progresses and conditions become favorable for the health, protection, and longevity of the installed plant material.
 Community Promenade Amenity shall be open and accessible to the Public



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■ sheet title:

Promenade Enlargement Plans

■ project title:

Hillside Townes

Farmington, Michigan

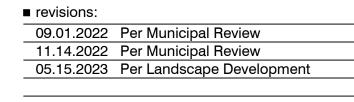
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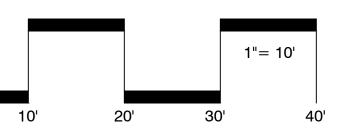
Robertson Brothers Homes 6905 Telegraph Rd. - Suite 200 Bloomfield Hills, MI 48301

Phone: 248.657.4968

| ■ job number: | ■ date: |
|---------------|---------------|
| 20051 | 07.18.2022 |
| ■ drawn by: | ■ checked by: |
| EMJ | WTK |

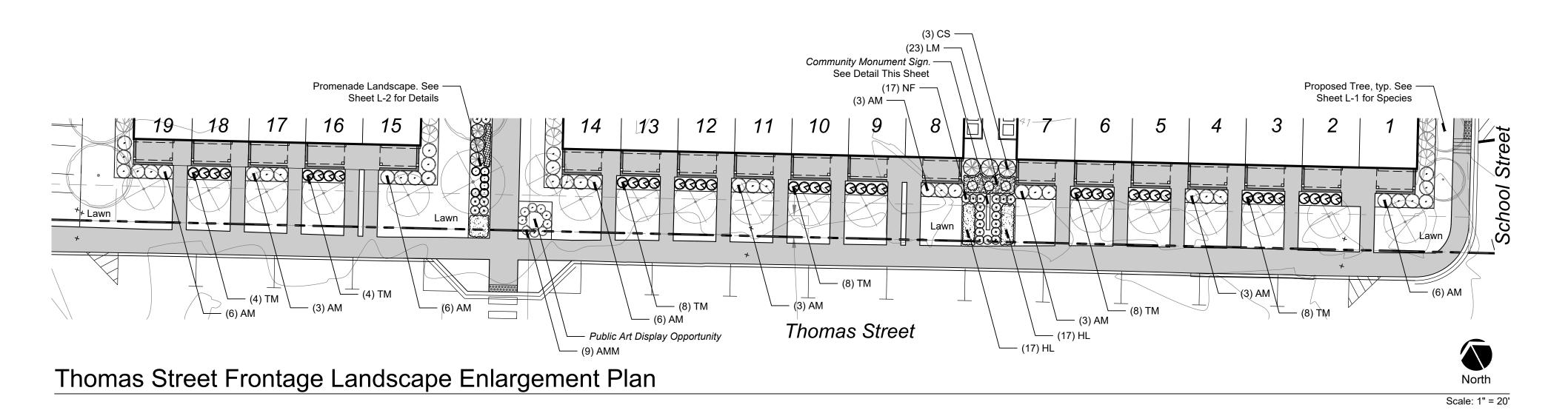


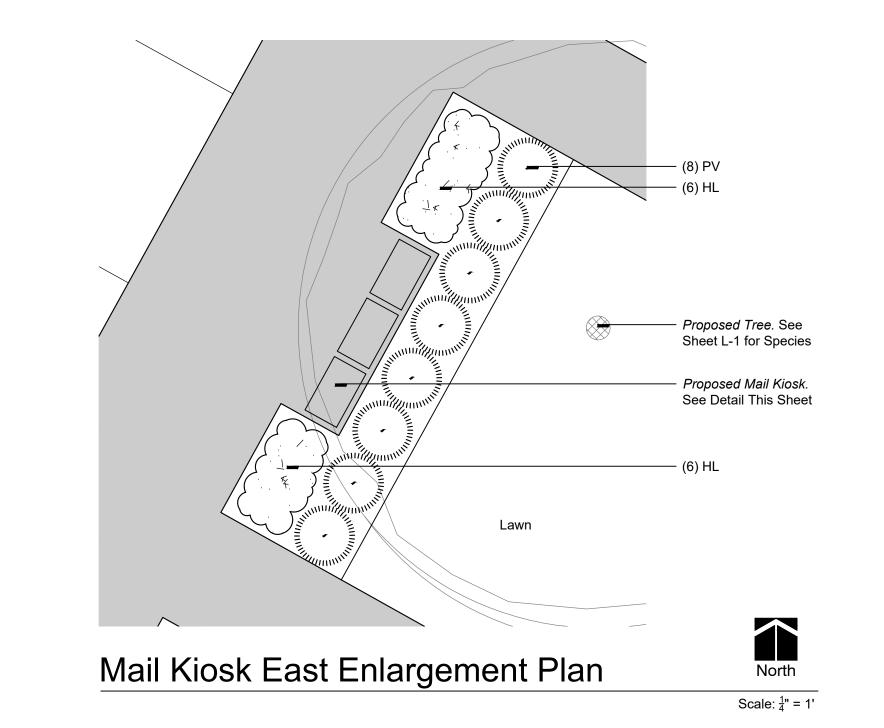


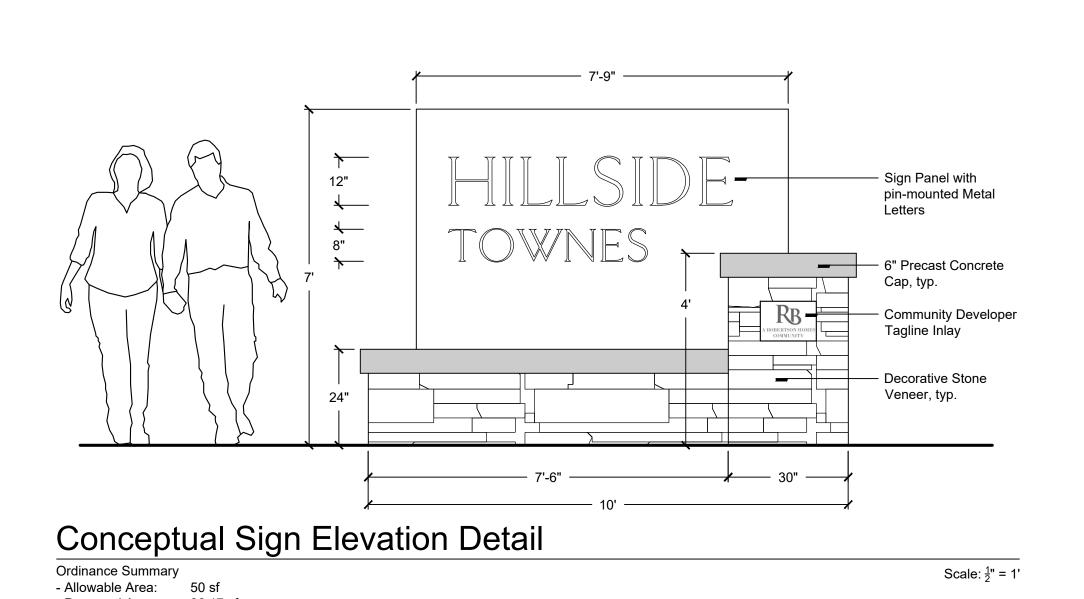


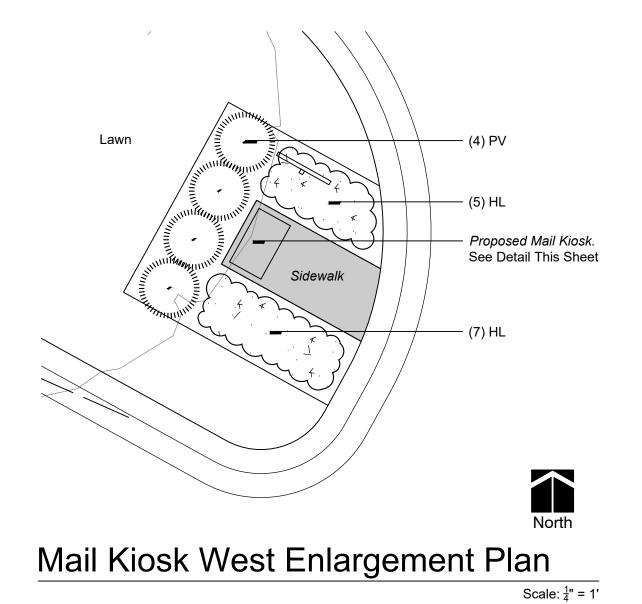


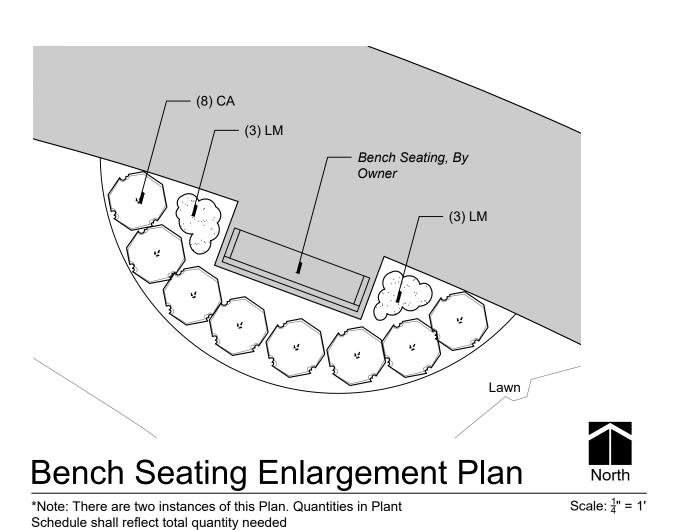














| | | ncludes Pedestal |
|-----|--|--|
| Dec | All Aluminum Construction orative Mailbox - 16 | Committed to Quality Since 2956* Gang CBU |
| | rer: Salsbury Industries 18300 Central Avenue Carson, CA 90746 | Scale: NTS |
| | 800.624.5269 www.mailboxes.com | |

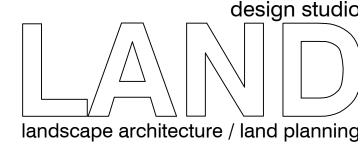
3316BLK-U

4 Total

Quantity:

Plant Schedule This Sheet

| Shrubs | | | | | | | |
|----------|----------|---|---|----------|----------------------|-------|-----------------|
| sym. | qty. | botanical name | common name | size | spacing | root | notes |
| AM | 39 | Aronia melanocarpa 'Low Scape Hedger' | Low Scape Hedger Chokeberry | #3 | 48" o.c. | cont. | Hedge at 36" ht |
| AMM | 9 | Aronia melanocarpa 'Low Scape Mound' | Low Scape Mound Chokeberry | #3 | 30" o.c. | cont. | |
| CS | 3 | Cornus stolonifera 'Arctic Fire' | Arctic Fire Red Twig Dogwood | #3 | 48" o.c. | cont. | |
| TM | 40 | Taxus x media 'Densiformis' | Dense Yew | 24" ht. | 36" o.c. | B&B | Hedge at 36" ht |
| | | ses, Perennials & Bulbs | | | | | |
| cv/m | qty. | botanical name | common name | size | spacing | root | notes |
| sym. | | | | | | | |
| CA | 16 | Calamagrostis x acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass | #2 | 30" o.c. | cont. | |
| • | 16 58 | Calamagrostis x acutiflora 'Karl Foerster' Hemerocallis 'Little Business' | Karl Foerster Feather Reed Grass Little Business Daylily | #2 #1 | 30" o.c. 18" o.c. | cont. | |
| CA | | | | | | | |
| CA HL | 58 | Hemerocallis 'Little Business' | Little Business Daylily | #1 | 18" o.c. | cont. | |



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sheet title:

Landscape **Enlargement Plans**

■ project title:

Hillside Townes

Farmington, Michigan

prepared for:

Robertson Brothers Homes 6905 Telegraph Rd. - Suite 200 Bloomfield Hills, MI 48301

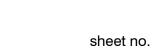
Phone: 248.657.4968

■ job number:

| 20051 | 07.18.2022 |
|-------------|---------------|
| ■ drawn by: | ■ checked by: |
| EMJ | WTK |

■ revisions: 09.01.2022 Per Municipal Review 11.14.2022 Per Municipal Review 05.15.2023 Per Landscape Development

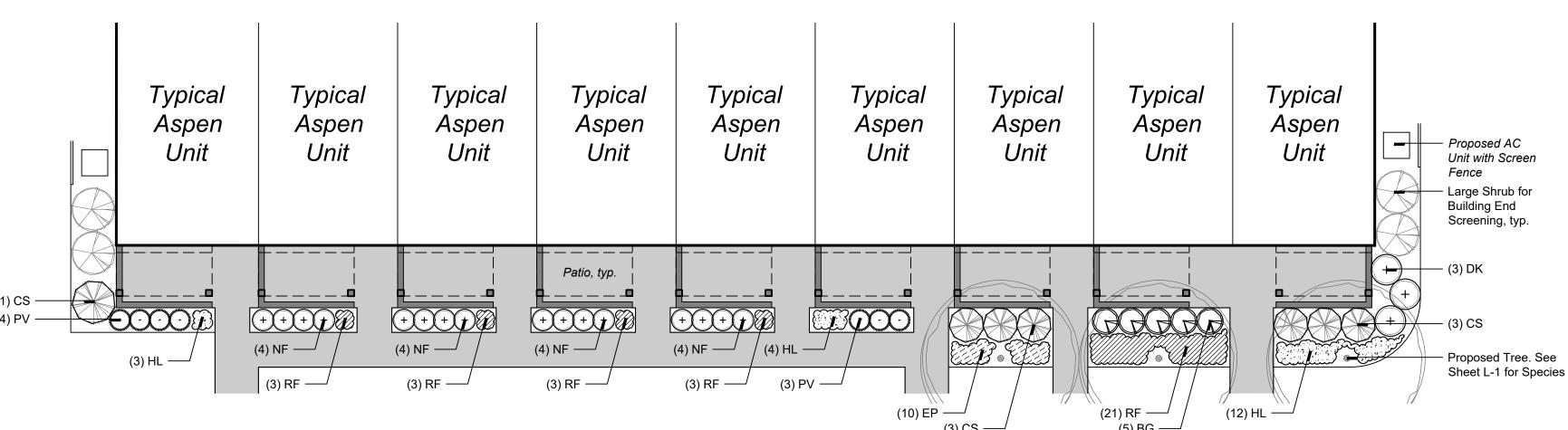




L-3

- Proposed Area:

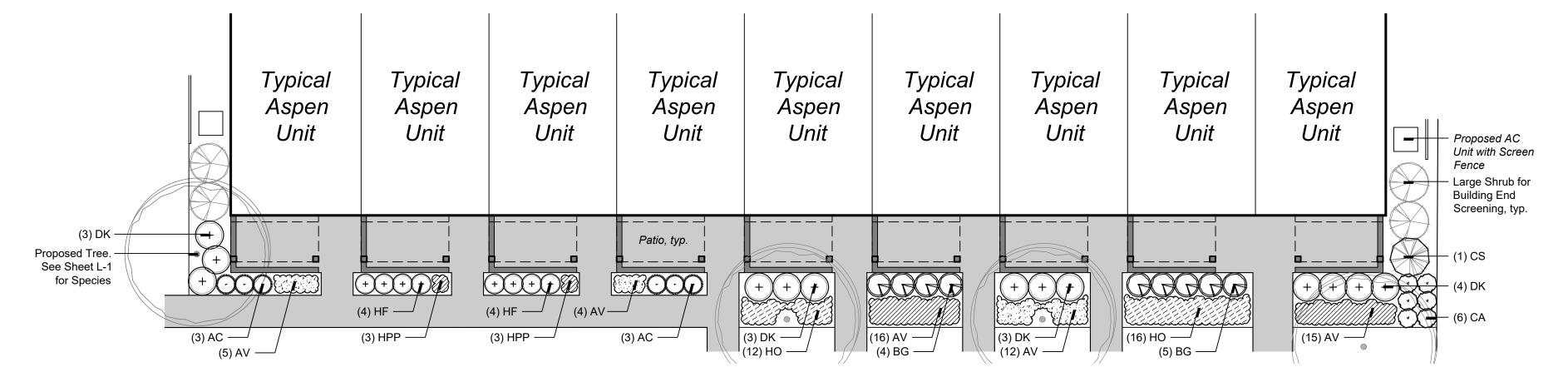
- Allowable Height: - Proposed Height: 7 *Sign is Double Sided



Promenade West Unit Landscape Plan

This Unit Landscape Plan applies to Units 20-28

Scale: 1" = 10'



Promenade East Unit Landscape Plan

This Unit Landscape Plan applies to Units 29-37

Typical Typical Typical Typical Typical Typical Typical Typical Aspen Aspen Aspen Aspen Aspen Aspen Aspen Aspen Large Shrub for -Building End — Proposed AC Unit Unit Unit Unit Unit Unit Unit Unit Screening, typ. Proposed AC Screen Fence (3) RF / HPP (4) HL / AV (3) RF / HPP — (1) CS Patio, typ. (4) PV / AC **3**++++ ++++ $^{\prime}$ (2) HL $^{\prime}$ AV $---^{\prime}$ (3) PV $^{\prime}$ AC ---(3) HL / AV —— (4) SS / HB -(3) RF / HPP — (3) RF / HPP —— (3) PV / AC —— (4) HL / AV — (4) NF / HF ——/ (4) SS / HB —

Eastern Typical Unit Landscape Plan

This Unit Landscape Plan applies to Units 38-54 Plant Material depends upon Solar Orientation

Scale: 1" = 10'

Scale: 1" = 10'



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Plant Schedule This Sheet

| sym. | qty. | botanical name | common name | size | spacing | root | notes |
|---------|-----------|--|----------------------------------|-------------|----------|-------|-----------------|
| BG | 14 | Buxus 'Green Gem' | Green Gem Boxwood | 18"-24" ht. | 36" o.c. | B&B | Hedge at 30" ht |
| CS | 12 | Cornus sericea 'Arctic Fire' | Arctic Fire Red Twig Dogwood | No. 3 | 48" o.c. | cont. | |
| DK | 22 | Diervilla 'Kodiak Orange' | Kodiak Orange Diervilla | No. 3 | 42" o.c. | cont. | |
| Ornamen | ital Gras | ses, Perennials & Bulbs | | | | | |
| sym. | qty. | botanical name | common name | size | spacing | root | notes |
| AC | 24 | Aralia cordata 'Sun King' | Sun King Japanese Spikenard | No. 2 | 30" o.c. | cont. | |
| AV | 64 | Astible 'Visions in Red' | Visions in Red Astilbe | No. 1 | 18" o.c. | cont. | |
| CA | 6 | Calamagrostis x acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass | No. 2 | 30" o.c. | cont. | |
| EP | 10 | Echinacea purpurea 'Magnus' | Magnus Purple Coneflower | No. 1 | 18" o.c. | cont. | |
| HB | 8 | Hosta 'Blue Angel' | Blue Angel Hosta | No. 1 | 30" o.c. | cont. | |
| HF | 16 | Hosta 'First Frost' | First Frost Hosta | No. 1 | 30" o.c. | cont. | |
| HL | 35 | Hemerocallis 'Little Business' | Little Business Daylily | No. 1 | 18" o.c. | cont. | |
| НО | 28 | Hosta 'Patriot' | Patriot Hosta | No. 1 | 18" o.c. | cont. | |
| HPP | 18 | Heuchera 'Palace Purple' | Palace Purple Coral Bells | No. 1 | 18" o.c. | cont. | |
| NF | 24 | Nepeta x faassenii "Walker's Low' | Walker's Low Catmint | No. 1 | 30" o.c. | cont. | |
| PA | 6 | Perovskia atriplicifolia | Russian Sage | No. 2 | 36" o.c. | cont. | |
| PV | 21 | Panicum virgatum 'Shenandoah' | Shenandoah Switchgrass | No. 2 | 30" o.c. | cont. | |
| RF | 45 | Rudbecia fulgida 'Goldsturm' | Goldsturm Black-Eyed Susan | No. 1 | 18" o.c. | cont. | |
| SS | 8 | Schizachyrium scoparium 'Carousel' | Carousel Little Bluestem | No. 2 | 30" o.c. | cont. | |



■ sheet title:

Typical Unit Landscape Plans

■ project title:

Hillside Townes

Farmington, Michigan

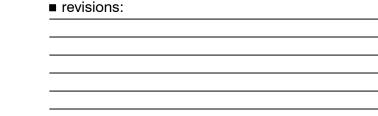
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■ job number:

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Phone: 248.657.4968

| 05.15.2023 |
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| ■ checked by: |
| WTK |
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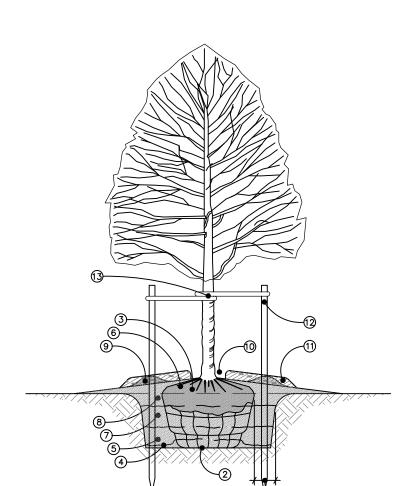
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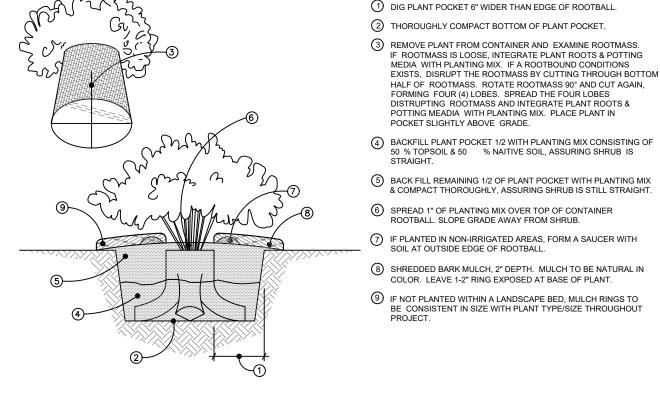
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L-4



- INSTALLATION NOTES:
- 1 DIG PLANT POCKET 12" WIDER THAN EDGE OF
- 2 THOROUGHLY COMPACT BOTTOM OF PLANT POCKET. (3) REMOVE ALL TWINE FROM TOP OF ROOTBALL, EXAMINE TRUNK COLLAR & REMOVE EXCESS SOIL FROM TOP OF ROOTBALL DOWN TO THE UPPER LEVEL OF THE ROOT SYSTEM. SET ROOTBALL WITH TOP 1/8 OF BALL ABOVE
- 4) PLACE BACKFILL UNDER & ALONGSIDE BASE OF BALL TO STRAIGHTEN TREE. THOROUGHLY COMPACT TO FILL
- (5) BACKFILL PLANT POCKET 1/3 WITH PLANTING MIX CONSISTING OF 50 % TOPSOIL & 50 % NATIVE SOIL & COMPACT THOROUGHLY, ASSURING TREE IS STILL
- (6) BEFORE CONTINUING WITH BACKFILL, REMOVE TOP WIRE LOOPS, OR BEND DOWN UNTIL THEY TOUCH SIDE OF
- BALL. REMOVE EXCESS BURLAP. (7) BACKFILL PLANT POCKET SECOND 1/3 WITH PLANTING $\ensuremath{\mathsf{MIX}}$ & COMPACT THOROUGHLY, ASSURING TREE IS STILL
- 8 BACKFILL PLANT POCKET LAST 1/3 WITH PLANTING MIX & COMPACT THOROUGHLY, ASSURING TREE IS STILL STRAIGHT. SLOPE GRADE AWAY FROM TREE.
- (9) IF PLANTED IN NON-IRRIGATED AREAS, FORM A SAUCER WITH SOIL AT OUTSIDE EDGE OF ROOTBALL.
- 10 SHREDDED BARK MULCH, 2" DEPTH. MULCH TO BE NATURAL IN COLOR. LEAVE 2-3" RING EXPOSED AT BASE OF TRUNK.
- 11) MULCH RINGS TO BE CONSISTENT WITH PLANT TYPE/SIZE HROUGHOUT PROJECT & SHOULD NOT EXTEND BEYOND
- (2) MINIMUM 2"x2"x60" HARDWOOD STAKES TO EXTEND INTO UNDISTURBED SOIL UNDER PLANT POCKET. STAKE LOCATIONS PER TREE TO BE CONSISTENT THROUGHOUT
- (3) 1" WIDE BELT LIKE NYLON, PLASTIC, OR OTHER ACCEPTABLE MATERIAL, NO WIRE OR HOSE TO BE USE

Deciduous Tree Planting Detail - 4" Cal. and Under



Shrub Planting Detail - Container

Scale: NTS

INSTALLATION NOTES:

Landscape Notes

- 1. All landscaping and landscape elements shall be planted, and earth moving or grading performed, in a sound workmanlike manner, according to accepted planting and
- Landscaping required by this Ordinance shall be maintained in a reasonably healthy condition, free from refuse and debris.
- All unhealthy or dead material shall be replaced within one (1) year of damage or death or the next appropriate planting period, whichever comes first.
- All landscaped areas shall be provided with irrigation via an automatic irrigation system or a readily available and acceptable water supply. Irrigation systems shall include separate zones for Lawn and Plants.
- Topsoil removed during construction shall be stockpiled in an appropriate manner to prevent erosion, and shall be redistributed on regraded surfaces to be landscaped, and provide a minimum of four (4) inches of even cover.
- Plants shall be mulched with shredded hardwood bark mulch at a depth of two (2) inches. Mulch is to be free from debris and foreign material and shall contain no pieces
- All plant material shall be true to name and free from physical damage and wind burn.
- Plants shall be full, well-branched, and in a healthy, vigorous growing condition. Plants shall be watered before and after planting is complete.
- 10. All trees must be staked, fertilized, and mulched and shall be guaranteed to exhibit a normal growth cycle for at least one (1) full year following planting.
- All material shall conform to the guidelines established in the most recent edition of the American Standard for Nursery Stock.
- 12. Provide clean backfill soil, using material stockpiled on site. Soil shall be screened and free of any debris, foreign material, or stone. 13. "Agriform" tabs or similar slow-release fertilizer shall be added to the planting pits before being backfilled.
- Amended planting mix shall consist of 1/3 screened topsoil, 1/3 sand, and 1/3 peat.
- 15. The Landscape Contractor shall be responsible for all work shown on the landscape drawings and specifications.
- 16. No substitutions or changes of location, or plant types shall be made without the approval of the Landscape Architect or Owner's representative. The Landscape Architect shall be notified of any discrepancies between the plans and field conditions prior to installation.
- The Landscape Contractor shall be responsible for maintaining all plant material in a vertical condition throughout the guaranteed period.
- The Landscape Architect shall have the right at any stage of the installation to reject any work or material that does not meet the requirements of the plan and specifications, if requested by the owner.
- The Contractor shall be responsible for checking plant quantities to ensure quantities on drawings and plant list are the same. In the event of a discrepancy, the quantities on the plans shall prevail.
- The Landscape Contractor shall seed and mulch or sod (as indicated on plans) all areas disturbed during construction, throughout the contract limits.
- A pre-emergent weed control agent, "Preen" or equal, shall be applied uniformly to all planting beds prior to mulching.
- The Developer and Landscape Architect reserve the right to change location of plant material and alter plant species/variety at the time of installation based upon availability and quantity of material as well as site conditions. Materials will be of similar size, appearance and growth habit.

24. All Lawn areas shall be Seeded or Sodded

INSTALLATION NOTES:

1 SEE DRAWING FOR PLANT SPACING.

(2) EXCAVATE BED TO A MINIMUM 6"

3 PLANTING MIX TO CONSIST OF 50%

SHREDDED BARK MULCH, 1"

TO LOOSEN ROOT MASS.

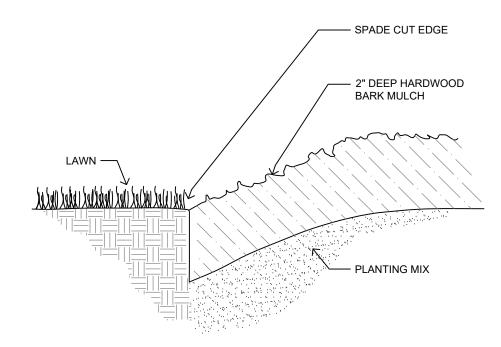
(6) PLANT THE ANNUAL OR GROUND

FOPSOIL & 50% LEAF COMPOST

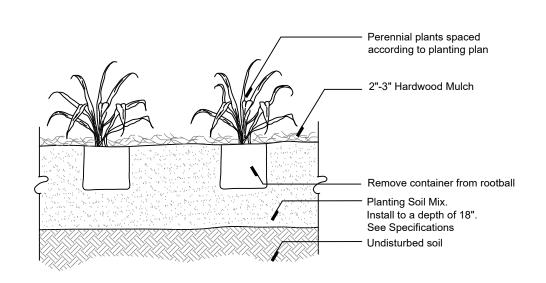
DEPTH. MULCH TO BE NATURAL

(5) REMOVE ALL CONTAINERS. IF ROOTBOUND, DISRUPT ROOT PLUG

COVER PLANT THROUGH THE MULCH INTO THE PLANTING MIX ...JESTI INTO THE PLANTING MIX ASSURING THAT PLANTING MIX COVERS ENTIRE ROOT MASS OF PLANT.

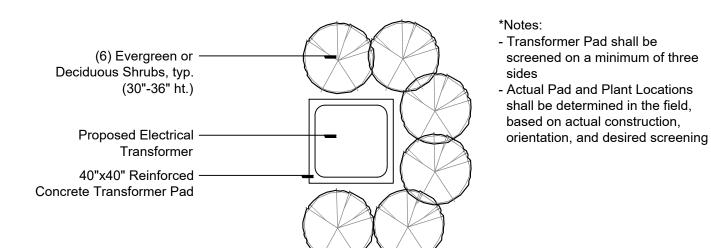


Spade Cut Edging Detail



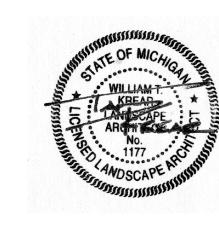
Perennial Planting Detail

Annual & Ground Cover Planting Detail



Transformer Screening Detail

Scale: 1/4" = 1'



landscape architecture / land planning

750 Forest Ave. Suite 101

Birmingham, MI 48009

T:: 248.594.3220

sheet title:

Landscape Details and Notes

project title:

Hillside Townes

Farmington, Michigan

prepared for:

■ job number:

Robertson Brothers Homes 6905 Telegraph Rd. - Suite 200 Bloomfield Hills, MI 48301

Phone: 248.657.4968

20051 07.18.2022 drawn by checked by:

■ date:

WTK

Know what's below. Call before you dig.

■ revisions: 09.01.2022 Per Municipal Review 11.14.2022 Per Municipal Review 05.15.2023 Per Landscape Development

sheet no.



4' ht. AC Screen Fence Detail

Warren, MI 48089 www.amerifence.com 248.545.7070 Vinyl Privacy Fence (PVC)

Dark Walnut

Color:

American Fence & Supply Co., Inc. 21200 Schoenherr Rd.

| Statistics | | | | | | | | | | |
|---------------|--------|--------|--------|--------|---------|---------|--|--|--|--|
| Description | Symbol | Avg | Max | Min | Avg/Min | Max/Min | | | | |
| Grade | + | 0.1 fc | 1.3 fc | 0.0 fc | N/A | N/A | | | | |
| Property Line | + | 0.1 fc | 0.3 fc | 0.0 fc | N/A | N/A | | | | |

GENERATION LIGHTING

8338701-12: Small One Light Downlight Outdoor Wall Dimensions:

Mounting Proc.: Cap Nuts Connection: Mounted To Box

1 - Medium A19 100w Max. 120v - Not included

Features: · Clear bulb(s) recommended for this fixture

 Easily converts to LED with optional replacement lamps · Meets Title 24 energy efficiency standards

Material List: 1 Body - Die Cast Aluminum - Black

Safety Listing: Safety Listed for Wet Locations

savings and reduce energy

1-year manufacturer warranty

Meets Title 24 energy efficiency standards

Finish: Black (12)

Collection: Sevier

Wire: 6 1/2" (color/Black/White)

 Title 24 compliant if used with Joint Appendix (JA8) approved light bulbs listed in the California Energy Commission Appliance

Supplied with 6.5-inches of wire Instruction Sheets: For an eco-friendly lighting design, convert to LED bulbs to offer English (990W83387_1-SEV) Designed for damp and wet environments allowing for direct water

UPC #:785652027550

| Part | Material | Finish | Quantity | Item Number | Length | Width | Height | Diameter | Fitter Diameter | Shade Top Length | Shade Top Width | Shade Top Diameter |
|-------|----------|--------|----------|-------------|--------|-------|--------|----------|--------------------|---------------------|--------------------|-----------------------|
| Panel | Glass | Clear | 6 | | | 2 1/8 | 6 | | | | | |

| Туре | Height / Length | Width | Depth | Diameter | Outlet Box Up | Outlet Box Dow |
|------------|-----------------|-------|-------|----------|---------------|----------------|
| Back Plate | 5 3/8 | 4 1/2 | 7/8 | | 2 3/4 | 9 3/4 |

| Package Type | Product # | Quantity | UPC | Length | Width | Height | Cube | Weight | Frt. Class | UPS Ship |
|--------------|------------|----------|--------------|--------|-------|--------|--------|--------|------------|----------|
| Individual | 8338701-12 | 1 | 785652027550 | 16 | 10.25 | 9.25 | 0.878 | 3.3 | 250 | Yes |
| NJ Pallet | | 96 | | 48 | 40 | 77 | 85.556 | 316.8 | ii ii | No |
| NV Pallet | | 96 | | 48 | 40 | 77 | 85.556 | 316.8 | 18 | No |

Generation Lighting reserves the right to revise the design of components of any product due to parts availability or change in safety listing standards without assuming any obligation or liability to modify any products previously manufactured and without notice. This literature depicts a product design that is the sole and exclusive property of Generation Lighting. In compliance with U.S. copyright and patient requirements, notification is hereby presented in this form that this literature, or the product if depicts, is not to be copied, altered or used in any manner without the express written consent of, or contrary to the best interests of Generation Lighting, a Visual Comfort & Co brand.

General Note

- 1. LUMINAIRE MOUNTING HEIGHT 7' 0"
- 2. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' 0"
- 3. LIGHTING ALTERNATES REQUIRE NEW PHOTOMETRIC CALCULATION AND RESUBMISSION TO CITY FOR APPROVAL.

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS INDICATED ARE FROM GRADE AND/OR FLOOR UP.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIRMENTS DEFINED IN ASHRAE 90.1 2013. FOR SPECIFIC INFORMATION CONTACT GBA CONTROLS GROUP AT ASG@GASSERBUSH.COM OR 734-266-6705.

FOR ORDERING INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-6705.

THIS DRAWING WAS GENERATED FROM AN ELECTRONIC IMAGE FOR ESTIMATION PURPOSE ONLY. LAYOUT TO BE VERIFIED IN FIELD BY OTHERS.

MOUNTING HEIGHT IS MEASURED FROM GRADE TO FACE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE HEIGHT.



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Plan View

Scale - 1'' = 30ft

| Schedule | | | | | | | | | |
|----------|-------|----------|----------------------------------|----------------|---|---------|-----------------------|----------------------|---------|
| Symbol | Label | Quantity | Manufacturer | Catalog Number | Description | Lamp | Lumens Per Lamp | Light Loss Factor | Wattage |
| | A | | GENERATION LIGHTING BRANDS | | SMALL ONE LIGHT DOWNLIGHT OUTDOOR WALL LANTERN | LED A19 | 813 | 1 | 7.8 |

O'

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Designer 08/29/2022 Scale 1" = 30ftDrawing No. #22-79547 V1 1 of 1

