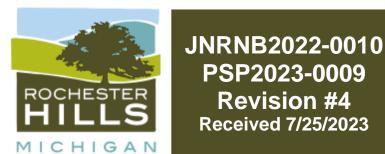
# PRIMROSE SCHOOL

VACANT LOT - ROCHESTER ROAD CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

PERMIT / APPROVAL SUMMARY DATE SUBMITTED DATE APPROVED PERMIT / APPROVA 2/10/2023 SITE PLAN APPROVAL



City of Rochester Hills Planning & Economic Development

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





that the residential character of the neighborhood shall be maintained.



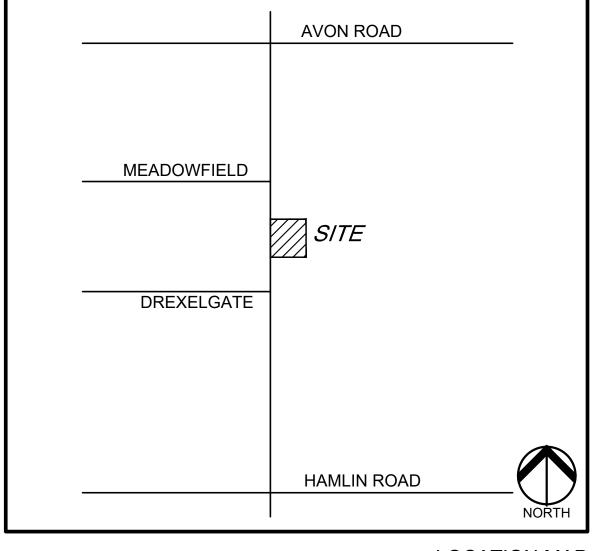


Reviewer Approved Department Yes Assessing Assessing ark Artinian 248-841-2446 Yes Building Engineering -Jason Boughton 248-841-2490 BoughtonJ@RochesterHills.org Utilities Engineering YES 248-841-2494 ncguckinj@rochesterhills.ora Lt. Jon Mills 248-841-2708 Yes Fire MillsJ@RochesterHills.org Matt Einheuser 248-841-2551 Natural EinheuserM@RochesterHills.org Resources Chris McLeod 248-841-2572 Yes Planning mcleodc@RochesterHills.org Keith Depp 248-841-2503 Yes

Site Plan Review

Reviewed for compliance with City Ordinance, Building and Fire Codes Conditions and mark-ups noted throughout plan set must be addressed prior to fina

> SECTION 138-4.424 - Nursery Schools, Day Nurseries and Child Care Centers A.Such facilities shall be located on major thoroughfares with an existing or proposed right-of-way of 120 feet. Additionally, the facility shall be on a corner lot or shall directly abut nonresidential zoning on at least one side, and such zoning shall be on the same side of the major thoroughfare. B.Hours of operation shall not exceed 15 hours a day with closing time of not later than 9:00 p.m. C.All parking and child dropoff areas shall be in the side or rear yard only. This requirement may be waived when an existing building that has front yard parking or circulation is being occupied by a nursery school, day nursery, or child care center. D.Outdoor play areas shall be in the side or rear yard in the amount required by the Licensing Rules for Child Care Centers as set forth by the State of Michigan. E.Parking, dropoff, and play areas shall be screened in a manner deemed sufficient by the Planning Commission to achieve the objective of screening and controlling noise levels. F.Any trash receptacle shall be screened with a six-foot-high obscuring fence or wall, with evergreen screening provided on the three sides of the enclosure without access gates. G.Lighting shall be shielded downward so as not to become a nuisance to abutting property. H.Front, side and rear elevations of the building shall be provided to ensure that the use will have the appearance and character of residences in the vicinity. If there are no residences within 200 feet, in making a determination on the compatibility of such uses, the following architectural features shall be reviewed: 1.Roof pitch, overhang, and drainage. 2. Window sills and other window features. 3.Facade treatment (both material and appearance). 4.Entrance features. 5. Heating exhaust devices. 6.Penthouses or similar mechanical rooftop features shall be prohibited unless completely screened from adjacent properties and the adjacent public right-of-way. I.Signs shall meet the requirements of Chapter 134 of the City's Code of Ordinances. J.The facility shall comply with applicable state licensing requirements and regulations. K.Any other conditions which the Planning Commission and City Council deem necessary to ensure



## **LOCATION MAP**

## PRELIMINARY SITE PLAN FIRE PROTECTION PLAN PRELIMINARY GRADING PLAN PRELIMINARY UTILITY PLAN **DETAILS DETAILS** LANDSCAPE PLAN LANDSCAPE DETAILS TREE PRESERVATION PLAN PHOTOMETRIC PLANS 23-12467 PHOTOMETRIC SITE PLAN (2 SHEETS) ARCHITECTURAL PLANS PRIMROSE SCHOOL FLOOR PLAN PRIMROSE SCHOOL EXTERIOR ELEVATIONS PRIMROSE SCHOOL - MATERIAL BOARD AND COLORED ELEVATIONS PRIMROSE SCHOOL - COLORED ELEVATIONS

**INDEX OF DRAWINGS** 

NUMBER TITLE

**COVER SHEET** 

**TOPOGRAPHIC SURVEY** 

### **DESIGN TEAM**

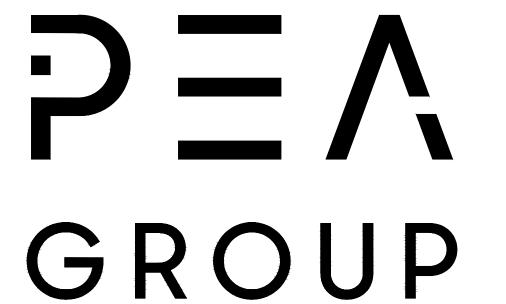
OWNER/APPLICANT/DEVELOPER CIVIL ENGINEER

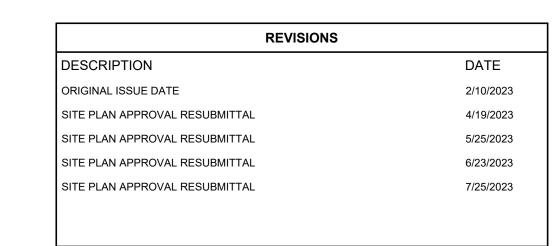
EIG14T 1695 TWELVE MILE ROAD, STE 100 BERKLEY, MI 48072 CONTACT: DANIEL HARRIS PHONE: 248.514.9120 EMAIL: DAN@814CRE.COM

PEA GROUP 58105 VAN DYKE RD. WASHINGTON TWP., MI 48094 CONTACT: BECKY KLEIN, PE, LEED AP BD+C PHONE: 844.813.2949 EMAIL: BKLEIN@PEAGROUP.COM

LANDSCAPE ARCHITECT

PEA GROUP 7927 NEMCO WAY, STE. 115 BRIGHTON, MI 48116 CONTACT: JANET EVANS, PLA PHONE: 844.813.2949 EMAIL: JEVANS@PEAGROUP.COM

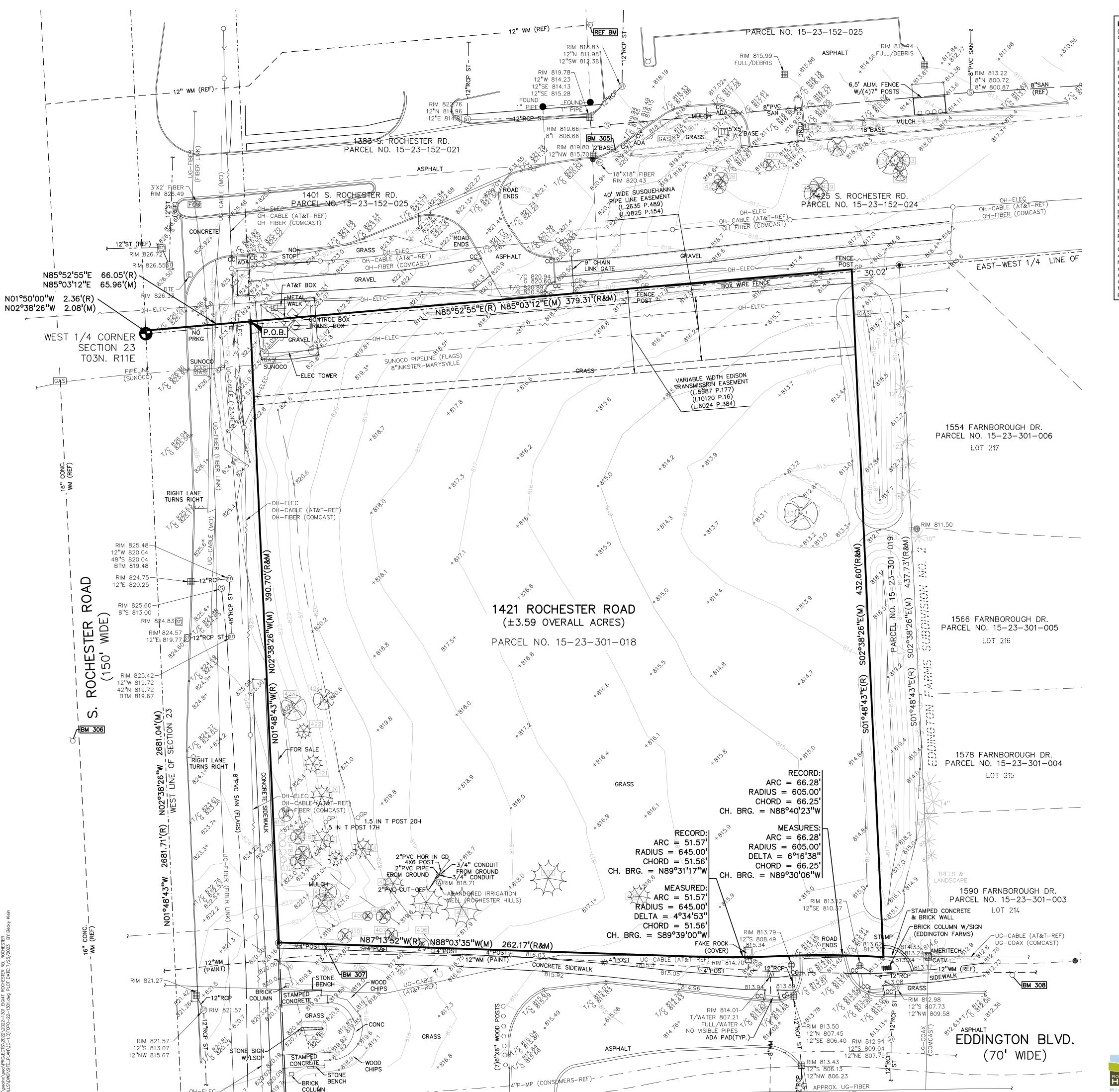








## NOT FOR CONSTRUCTION CITY FILE No. 22-041 SECTION 23



LEGAL DESCRIPTION:

dated September 07, 2022) Land in the City of Rochester Hills, Oakland County, MI, described as follows.

Part of the West 1/2 of Section 23, Town 3 North, Range 11 East, City of Rochester Hills, Oakland County, Michigan, being more particularly described as follows: Beginning at a point which is North 01 degree 50 minutes 00 seconds West 2.36 feet along the West line of Section 23 and North 85 degrees 52 minutes 54 seconds East 66.05 feet from the West 1/4 corner of Section 23, Town 3 North, Range 11 East; thence North 85 degrees 52 minutes 55 seconds East 409.33 feet; thence South 01 degree 48 minutes 43 seconds East 437.73 feet; thence Westerly 8.72 feet along the arc of a curve to the right (Radius of 535.00 feet, central angle of 00 degrees 56 minutes 01 second, long chord bears North 83 degrees 57 minutes 43 seconds West 8.72 feet); thence Westerly 87.82 feet along the arc of a curve to the left (Radius of 605.00 feet, central angle of 08 degrees 19 minutes 02 seconds, long chord bears North 87 degrees 39 minutes 12 seconds West 87.74 feet); thence Westerly 51.57 feet along the arc of curve to the right (Radius of 645.00 feet, central angle of 04 degrees 34 minutes 52 seconds, long chord bears North 89 degrees 31 minutes 17 seconds West 51.56 feet); thence North 87 degrees 13 minutes 52 seconds West 262.17 feet; thence North 01 degree 48 minutes 43 seconds West 390.70 feet along a line parallel with and 66 feet East to the West line of Section 23 to the point of beginning.

Part of the Southwest 1/4 of Section 23, Town 3 North, Range 11 East, City of Rochester Hills, Oakland County, Michigan described as: Beginning at a point distant North 01 degrees 50 minutes 00 seconds West 2.36 feet and North 85 degrees 52 minutes 55 seconds East 66.05 feet and North 85 degrees 52 minutes 55 seconds East 379.31 feet from the West 1/4 corner of said Section 23; thence continuing North 85 degrees 52 minutes 55 seconds East 30.02 feet; thence along the West lines of Lots 214 mu 217 of "EDDINGTON FARMS SUB NO. 2" (as recorded in Liber 219, Page 14 Oakland County Records) South 01 degrees 48 minutes 43 seconds East 437.72 feet; thence Westerly 8.72 feet along the arc of a curve to the right, having a radius of 535.00 feet and a long chord which bears North 83 degrees 57 minutes 44 seconds West 8.72 feet; thence Westerly 21.54 feet along the arc of a curve to the left, having a radius of 605.00 feet and a long chord which bears North 84 degrees 30 minutes 53 seconds West 21.54 feet; thence North 01 degrees 48 minutes 43 seconds West 432.60 feet to the point of beginning.

(Per First American Title Insurance Company, Commitment No. 956940,

-OH-ELEC-W-O- EX. OH. ELEC, POLE & GUY WIRE -UG-COMM----⊠-①- EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOL UG-ELEC-®-EKE>- EX. U.G. ELEC,MANHOLE, METER & HANDHOLE — – — – EX. GAS LINE

LEGEND:

© GAS EX. GAS VALVE & GAS LINE MARKER — — — EX WATER MAIN ∀ - W EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE EX. SANITARY SEWER © S EX. SANITARY CLEANOUT & MANHOLE

EX. COMBINED SEWER MANHOLE — -- EX. STORM SEWER EX. CLEANOUT & MANHOLE EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN EX. YARD DRAIN & ROOF DRAIN EX. UNIDENTIFIED STRUCTURE X EX. FENCE EX. GUARD RAIL EX. SPOT ELEVATION

EX. CONTOUR 👱 🎍 🎍 EX. WETLAND IRON FOUND / SET NAIL FOUND / NAIL & CAP SET BRASS PLUG SET MONUMENT FOUND / SET

> R M C RECORDED / MEASURED / CALCULATED REFERENCE DRAWINGS:

SECTION CORNER FOUND

AT&T MAP A1, DATED 10/25/2022 COMCAST MAP, EMAIL DATED 10/25/2022 **FIBER** ROCHESTER COMMUNITY SCHOOLS NETWORK MAP, FIBER LINK EMAIL DATED 10/13/2022 COMCAST MAP, EMAIL DATED 10/25/2022

CONSUMERS MAP 03-61-23-3, DATED 04/05/2022 SUNOCO PIPELINE MAP, EMAIL DATED 10/18/2022 UTILITY MAP, CITY OF ROCHESTER HILLS EMAIL STORM SEWER DATED 10/19/2022 FIFTH THIRD BANK STORM AND PAVING DETAILS JJ ASSOCIATES DWG. NO. M-06-5437, SHEET 4,

DATED 08/14/2006, AS-BUILT DATE 08/07/2006, RE

SANITARY SEWER UTILITY MAP, CITY OF ROCHESTER HILLS EMAIL DATED 10/19/2022

WATER MAIN UTILITY MAP, CITY OF ROCHESTER HILLS EMAIL DATED 10/19/2022

09/11/2006

#### **BENCHMARKS**: (GPS DERIVED - NAVD88)

GAS

BM #305 NAIL IN THE TOP OF A LIGHT POLE BASE LOCATED APPROX. 140' SOUTHEAST FROM THE SOUTHEAST BUILDING CORNER OF FIFTH-THIRD BANK (1383 ROCHESTER RD). ELEV. - 822.13

ARROW W/DIMPLE ON A HYDRANT LOCATED ON THE WEST SIDE OF ROCHESTER ROAD, ACROSS FROM SITE. ELEV. - 827.23

#### ARROW ON A HYDRANT LOCATED ON THE EASTSIDE OF ROCHESTER ROAD, AT THE SOUTHWEST AREA OF THE SITE.

ELEV. - 820.86 ARROW W/DIMPLE ON A HYDRANT LOCATED ON THE NORTH SIDE OF

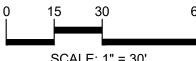
EDDINGTON BLVD. WEST OF FARNBOROUGH DRIVE. ELEV. - 814.85

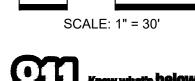
REF. BM (NOWAK & FRAUS) ARROW ON A HYDRANT LOCATED AT THE SOUTHEAST SIDE OF THE DRIVE-THRU OF FIFTH-THIRD BANK (1383 ROCHESTER RD). ELEV. - 820.48

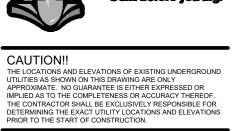
t: 844.813.2949 www.peagroup.com











AVON ROAD MEADOWFIELD DREXELGATE

CLIENT

3221 W. BIG BEAVER ROAD, SUITE 111 TROY, MICHIGAN 48084

PROJECT TITLE **PRIMROSE SCHOOL** 

VACANT LOT - ROCHESTER ROAD ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

SITE PLAN APPROVAL RESUBMITTAL 04-19-23

SITE PLAN APPROVAL RESUBMITTAL 05-25-23

SITE PLAN APPROVAL RESUBMITTAL 06-23-23

SITE PLAN APPROVAL RESUBMITTAL 07-25-23

TAG	CODE	DBH	COMMON NAME	LATIN NAME	COND	NOTES	
401	WS	13	White Spruce	Picea glauca	Fair		
402	NS	21	Norway Spruce	Picea Abies	Good		
403	NS	23	Norway Spruce	Picea Abies	Good		
404	NS	19	Norway Spruce	Picea Abies	Good		
405	NS	12	Norway Spruce	Picea Abies	Fair		-
406	CA	8	Crab Apple	Malus caronaria	Fair	x1	REVISIONS
407	CA	8	Crab Apple	Malus caronaria	Fair	x1	SITE PLAN APPROVAL RESUBMITT
408	CA	9	Crab Apple	Malus caronaria	Fair	x1	SITE PLAN APPROVAL RESUBMITT
409	CA	6	Crab Apple	Malus caronaria	Fair		SITE PLAN APPROVAL RESUBMITT
410	CA	11	Crab Apple	Malus caronaria	Good		
411	CA	12	Crab Apple	Malus caronaria	Fair		SITE PLAN APPROVAL RESUBMITT
412	CA	11	Crab Apple	Malus caronaria	Good		
413	NS	9	Norway Spruce	Picea Abies	Fair		
414	NS	12	Norway Spruce	Picea Abies	Fair		
415	NS	13	Norway Spruce	Picea Abies	Fair		
416	CA	12	Crab Apple	Malus caronaria	Good	x1	-
417	CA	10	Crab Apple	Malus caronaria	Fair		
418	CA	8	Crab Apple	Malus caronaria	Good		
419	CA	8	Crab Apple	Malus caronaria	Good		
420	NS	13	Norway Spruce	Picea Abies	Good		
421	WS	11	White Spruce	Picea glauca	Fair		ORIGINAL ISSUE DATE:
422	ws	9	White Spruce	Picea glauca	Fair		FEBRUARY 10, 2023
423	MW	16	White Mulberry	Morus alba	Fair		
424	MW	13	White Mulberry	Morus alba	Fair		DRAWING TITLE
425	CT	9	Cottonwood	Populus deltoides	Fair		TOPOGRAP
426	СТ	9	Cottonwood	Populus deltoides	Fair		
427	TH	7	Thornapple/Hawthorne	Cragaegus spp.	Fair		SURVEY
428	NM	12	Norway Maple	Acer platanoides	Poor		
429	NM	12	Norway Maple	Acer platanoides	Fair		
430	NM	12	Norway Maple	Acer platanoides	Poor		
431	NM	16	Norway Maple	Acer platanoides	Fair	x1	
432	ВС	9	Wild Black Cherry	Prunus serotina	Poor		
433	ВС	12	Wild Black Cherry	Prunus serotina	Very Poor		-

Acer negundo Fair x4

FLOODPLAIN NOTE:

BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AN AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, PER FLOOD DRAWING NUMBER:

PEA JOB NO.

**TOPOGRAPHIC** 

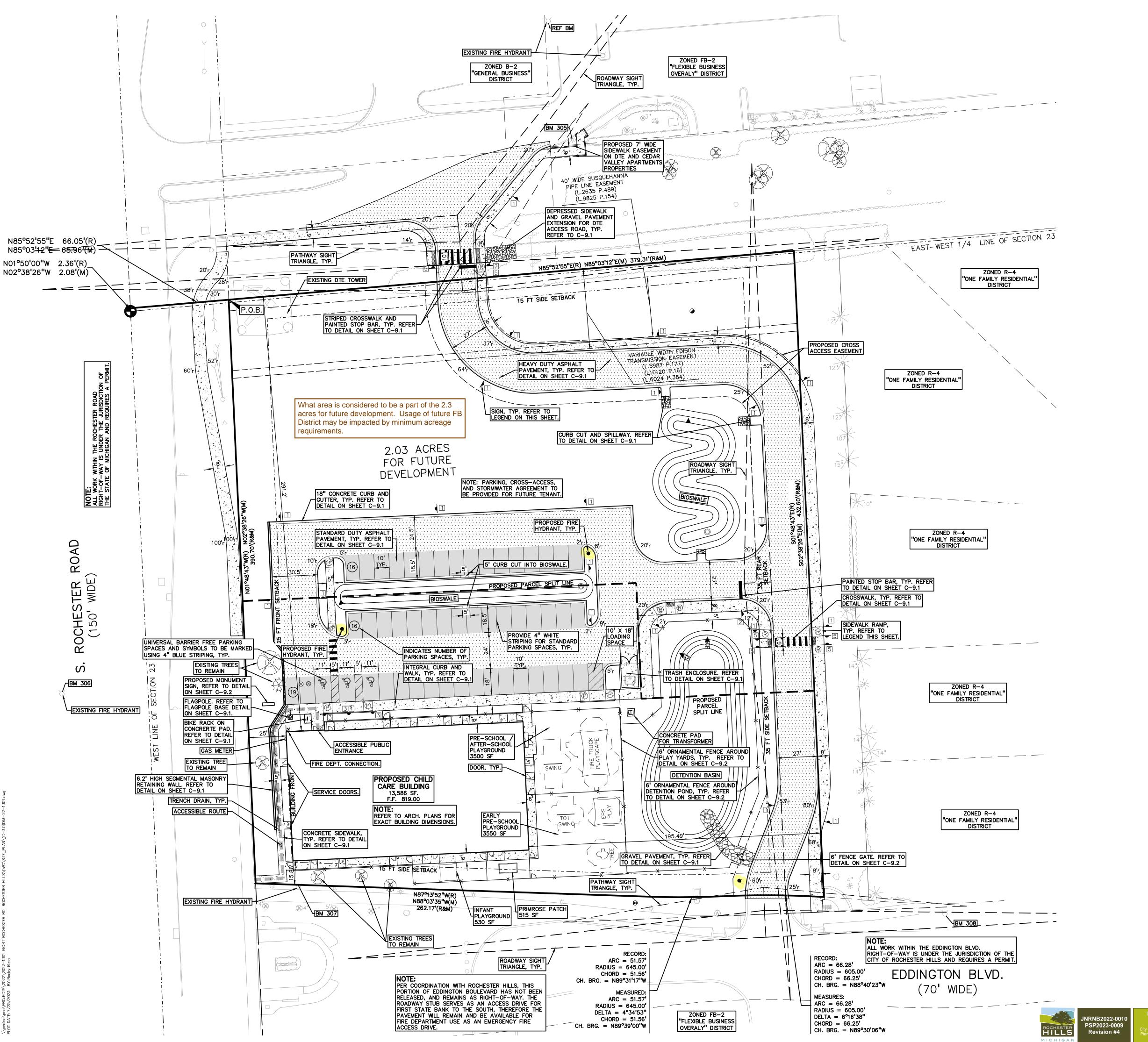
2022-1301

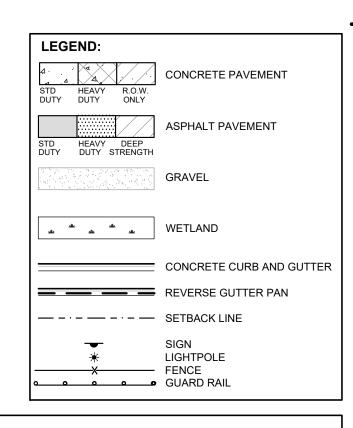
BLA

BLA

INSURANCE RATE MAP NUMBER 26125C0392F, DATED SEPTEMBER 29, 2006. NOT FOR CONSTRUCTION CITY FILE NO. 22-041 SECTION 23

C-1.0





#### **GENERAL NOTES:**

SITE DATA TABLE:

NORTHWEST

NORTHEAST

SIDE (SOUTH)

SIDE (NORTH)

REAR (EAST)

SOUTH

EAST

WEST

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.

'NO PARKING-FIRE LANE' SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT 100 FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.

B-2 WITH PUD OVERLAY

R-4 WITH FB OVERLAY

R-4 WITH FB OVERLAY

INCREASED TO 35 FEET WITH BOTH SIDE YARD SETBACKS INCREASED BY 5 FEET

REFER TO SHEET C-9.1 FOR ON-SITE PAVING DETAILS.

SITE AREA: 3.59 ACRES (156,459 SF.) NET AND GROSS

ZONING: R-4: ONE FAMILY RESIDENTIAL

PROPOSED USE: CHILD CARE CENTER

BUILDING FOOTPRINT AREA = 13,586 SF

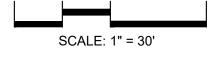
MAXIMUM PERCENT COVERAGE = 30% PROPOSED BUILDING LOT COVERAGE = 8.7%

PROPOSED BUILDING HEIGHT = 1 STORY (34'-7")

REFER TO SHEET C-9.2 FOR ON-SITE SIDEWALK RAMP DETAILS

<u>BUILDING INFORMATION:</u> MAXIMUM ALLOWABLE BUILDING HEIGHT = 35 FT. (2 STORIES) \*

EACH, AND BUILDING FOOTPRINT LARGER THAN 13,500 S.F.



t: 844.813.2949 www.peagroup.com

KLEIN /



CAUTION!! TILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREO THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATION PRIOR TO THE START OF CONSTRUCTION. AVON ROAD MEADOWFIELD DREXELGATE

## CLIENT

EIG14T

PROJECT TITLE

**SCHOOL** 

**PRIMROSE** 

VACANT LOT - ROCHESTER ROAD

ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

3221 W. BIG BEAVER ROAD, SUITE 111 TROY, MICHIGAN 48084

SITE SOILS INFORMATION:
ACCORDING TO THE USDA NATURAL RESOURCES CONSERVATION SERVICE
WEB SOIL SURVEY FOR OAKLAND COUNTY, THE SITE CONSISTS OF THE FOLLOWING SOIL TYPES:

TOTAL PARKING REQUIRED = 202 PUPILS/10 + 30 EMPLOYEES = 51 SPACES

TOTAL PROPOSED PARKING SPACES = 51 SPACES INC. 3 H/C SPACES

MARLETTE SANDY LOAM, 1 TO 6 PERCENT SLOPES

1 SPACE PER 10 PUPILS + 1 SPACE PER EMPLOYEE

DROP-OFF / PICK-UP SPACES REQUIRED = 5 SPACES

DROP-OFF / PICK-UP SPACES PROVIDED = 51 SPACES

LOADING SPACE PROVIDED = 1 SPACE (10' X18')

SIDEWALK RAMP LEGEND:	SIGN LEGEND:	
SIDEWALK RAMP 'TYPE R'	'NO PARKING FIRE LANE' SIGN	1
SIDEWALK RAMP 'TYPE P	'STOP' SIGN	2
REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE	'BARRIER FREE PARKING' SIGN	3
WARNING DETAILS	'VAN ACCESSIBLE' SIGN	4
	'CROSSWALK' SIGN	5
•	<b>기</b>	

#### PRIMROSE OPERATIONAL NOTES:

1. OPERATIONAL REGULATIONS REQUIRE THAT ALL CHILDREN BE SIGNED IN AND OUT OF THE FACILITY BY AN AUTHORIZED ADULT NO DROP-OFF OR PICK-UP LANE WILL BE UTILIZED. ALL SPACES ON SITE WILL BE JTILIZED DROP-OFF AND PICK UP SPACES.

THAT A FENCE BE PROVIDED AROUND THE DETENTION POND FOR THE SAFETY OF THE CHILDREN USING THE FACILITY.

ROCHESTER HILLS NOTES: 1. ALL SIGNS MUST MEET THE REQUIREMENTS OF ROCHESTER HILLS AND BE APPROVED UNDER SEPARATE PERMITS ISSUED BY THE BUILDING

2. INSURANCE REQUIREMENTS MANDATE

REFER TO DETAIL SHEET FOR SIGN DETAILS

2. DRAFT EASEMENTS WILL BE

PROVIDED DURING ENGINEERING

DEPARTMENT.

15.85'

291.20'

195.49'

## REVISIONS

SITE PLAN APPROVAL RESUBMITTAL 04-19-23 SITE PLAN APPROVAL RESUBMITTAL 05-25-23 SITE PLAN APPROVAL RESUBMITTAL 06-23-23 SITE PLAN APPROVAL RESUBMITTAL 07-25-23

REVIEW PHASE. 3. LOT SPLIT APPLICATION WILL BE SUBMITTED DURING ENGINEERING REVIEW PHASE.

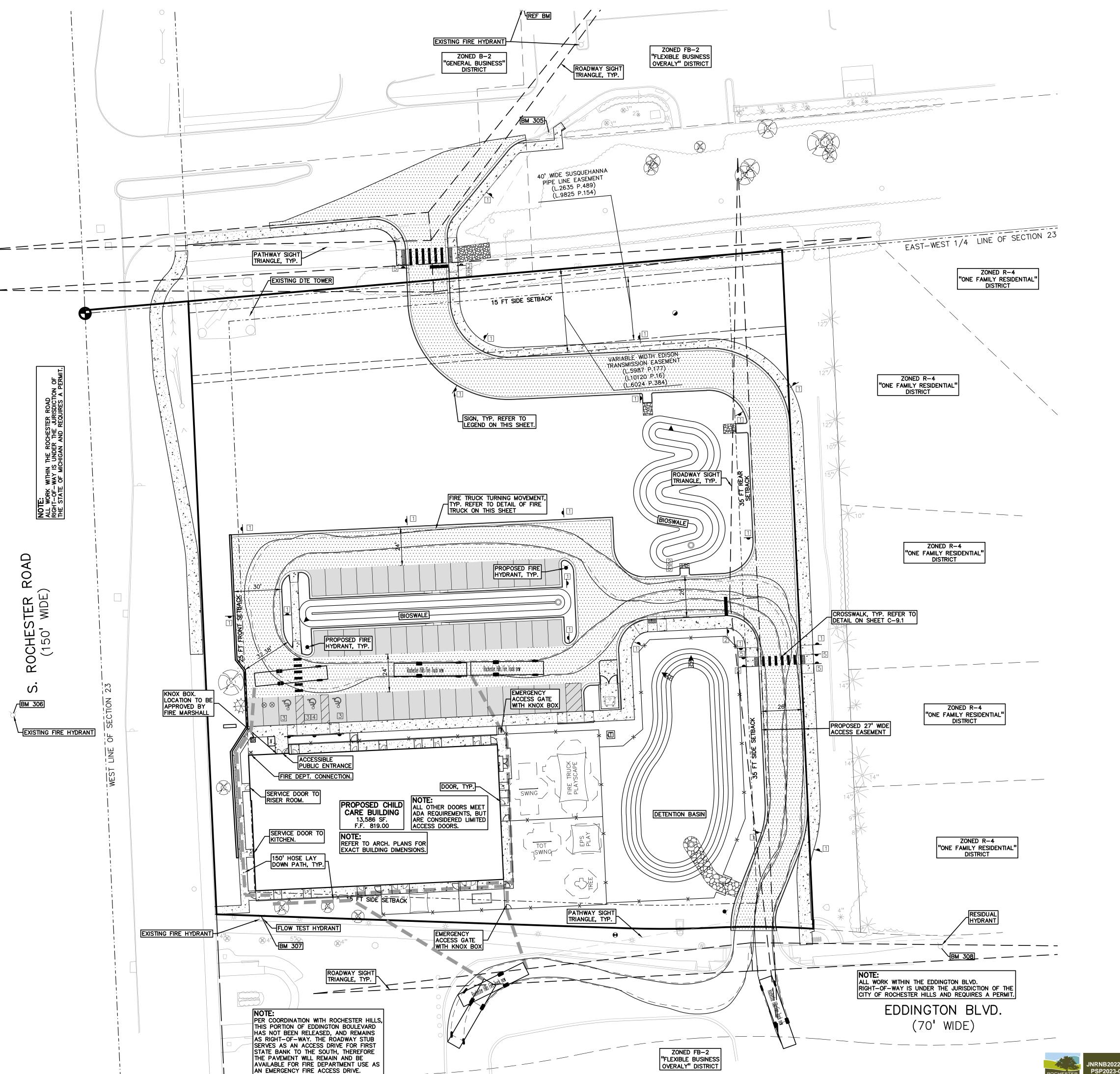
> ORIGINAL ISSUE DATE: FEBRUARY 10, 2023

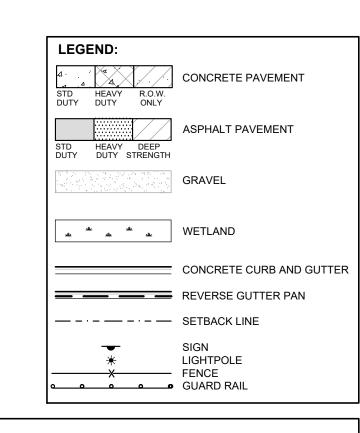
DRAWING TITLE **PRELIMINARY** 

**SITE PLAN** 

PEA JOB NO.	2022-1301
P.M.	ВК
DN.	BLA
DES.	BLA
DRAWING NUMBE	R·

NOT FOR CONSTRUCTION CITY FILE NO. 22-041 SECTION 23





SITE DATA TABLE:

SITE AREA: 3.59 ACRES (156,459 SF.) NET AND GROSS

PROPOSED USE: CHILD CARE CENTER (13,666 SF)

MAXIMUM ALLOWABLE BUILDING HEIGHT = 30 FT. (2 STORIES) PROPOSED BUILDING HEIGHT = 1 STORY

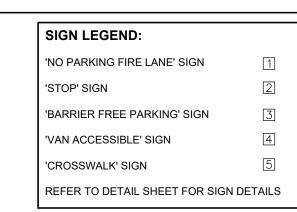
BUILDING FOOTPRINT AREA = 13,666 SF

BUILDING LOT COVERAGE = 8.7%

BUILDING CONSTRUCTION TYPE: VB

OCCUPANCY TYPE: 'E', B, AND S-1'

HYDRANT TEST PERFORMED BY ROCHESTER HILLS, DATED 6/8/23 FIRE FLOW AVAILABLE TO SITE: 5226 GPM AT 20 PSI



#### FIRE DEPARTMENT NOTES:

- 1. FIRE LANES SHALL BE CONSPICUOUSLY POSTED ON BOTH SIDES OF THE FIRE LANE, WITH FIRE LANE SIGNS SPACED NOTMORE THAT 100 FEET APART, FIRE LANE SIGNS SHALL READ "NO STOPPING, STANDING, PARKING, FIRE LANE"; AND IN CONFORMANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. FIRE PREVENTION ORDINANCE CHAPTER 58, SECTION 503
- 2. CONSTRUCTION SITES SHALL BE SAFEGUARDED IN ACCORDANCE WITH IFC CHAPTER
- 3. OPEN BURNING IS NOT PERMITTED, INCLUDING THE BURNING OF TRASH, DEBRIS, OR LAND CLEARING MATERIALS. OPEN BURNING FOR WARMING OF SAND AND /OR WATER FOR THE PREPARATION OF MORTAR SHALL BE WITHIN CITY OF ROCHESTER HILLS BURN PERMIT GUIDELINES. CONTACT ROCHESTER HILLS FIRE DEPARTMENT FOR PERMIT INFORMATION. FIRE PREVENTION ORDINANCE CHAPTER 58, SECTION 307.6.2 & 307.6.2.3
- 4. A KNOX KEY SYSTEM SHALL BE INSTALLED AT EACH BUILDING IN A LOCATION APPROVED BY THE FIRE CODE OFFICIAL. ORDERING INFORMATION IS AVAILABLE KNOXBOX COM
- 5. ALL ROADWAY AND DRIVE AISLE WIDTHS ON THIS SHEET ARE MEASURED TO THE FACE OF CURB.
- 6. NO OVERHANGS INTO THE FIRE ACCESS ROAD WILL BE CREATED.
- THE FIRE DEPARTMENT CONNECTION SHALL NOT BE OBSTRUCTED BY LANDSCAPING, PARKING, OR ANY OTHER PERMANENT OR TEMPORARY MATERIALS OR DEVICES.
- 8. ALL GATES SHALL BE PROVIDED WITH A KNOX BOX AS DIRECTED BY THE FIRE DEPARTMENT.
- 9. ROCHESTER ROAD WILL NOT BE ALLOWED TO BE USED AS A FIRE LANE DUE TO SAFETY AND TRAFFIC CONCERNS
- 10. EDDINGTON BOULEVARD CAN BE USED AS A FIRE LANE DUE TO AN EXISTING AGREEMENT BETWEEN ROCHESTER HILLS AND THE PARCEL TO THE SOUTH, THAT THIS PORTION OF EDDINGTON WILL REMAIN AS A PUBLIC RIGHT—OF—WAY

PROJECT TITLE

PRIMROSE SCHOOL VACANT LOT - ROCHESTER ROAD

ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

3221 W. BIG BEAVER ROAD, SUITE 111

GROUP

t: 844.813.2949

www.peagroup.com

KLEIN /

SCALE: 1" = 30'

HE LOCATIONS AND ELEVATIONS OF EXISTING UNI TILITIES AS SHOWN ON THIS DRAWING ARE ONLY

APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

AVON ROAD

CAUTION!!

MEADOWFIELD

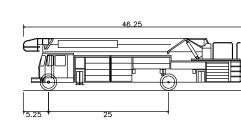
DREXELGATE

CLIENT

EIG14T

TROY, MICHIGAN 48084

#### FIRE TRUCK DIAGRAM:



Rochester Hills Fire Truck
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock—to—lock time

46.250f 8.500ft 10.859f 1.179ft 9.810ft 5.00s

REVISIONS	
SITE PLAN APPROVAL RESUBMITTAL	04-19-2
SITE PLAN APPROVAL RESUBMITTAL	05-25-2
SITE PLAN APPROVAL RESUBMITTAL	06-23-2
SITE PLAN APPROVAL RESUBMITTAL	07-25-2

ORIGINAL ISSUE DATE: FEBRUARY 10, 2023

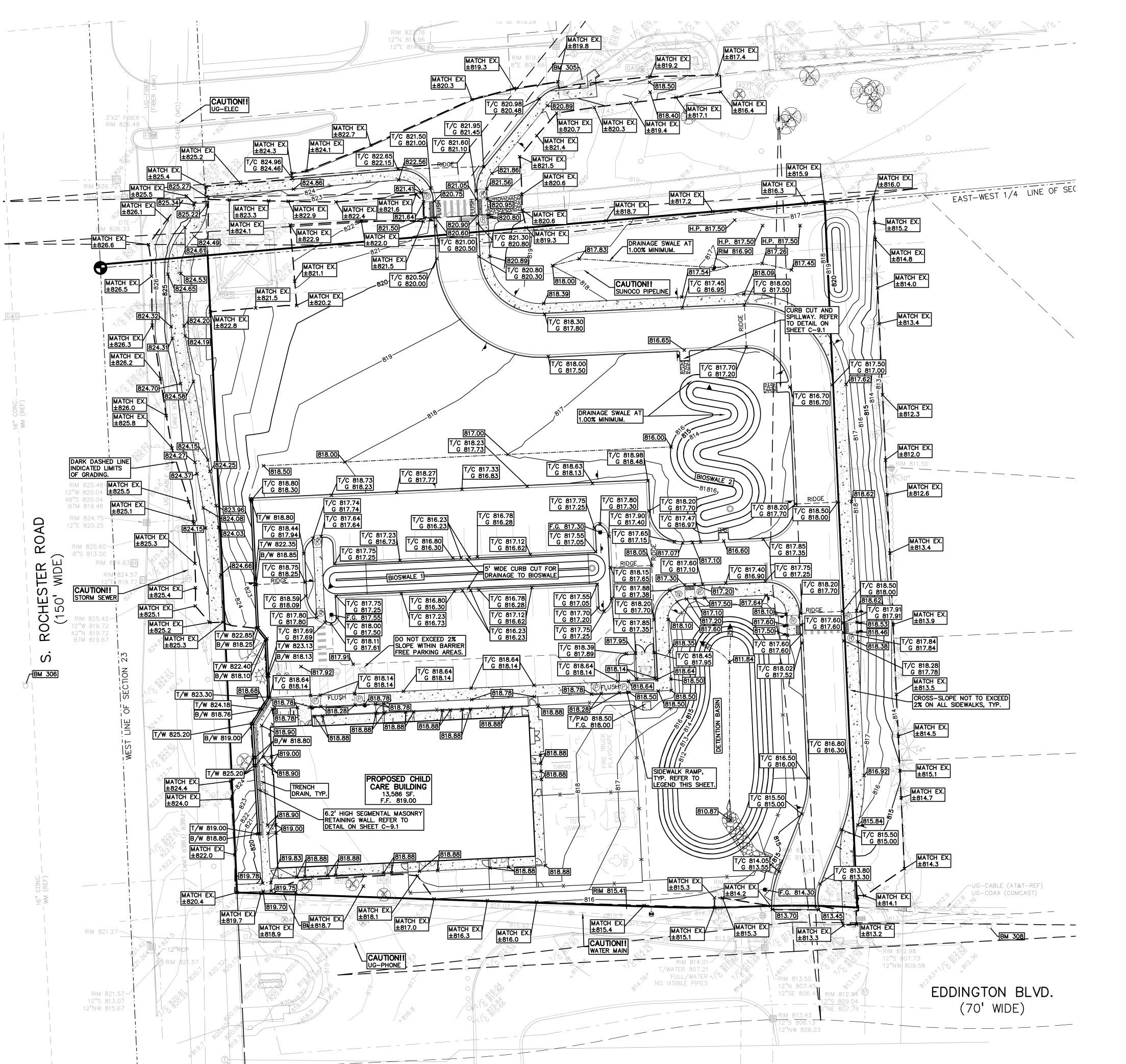
FIRE PROTECTION PLAN

•	PEA JOB NO.	2022-1301
•	P.M.	BK
	DN.	BLA
Ì	DES.	BLA
•	DRAWING NUMBER:	



















TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE t: 844.813.2949

**GRADING LEGEND:** 

**ABBREVIATIONS** 

T/C = TOP OF CURB

T/W = TOP OF WALL

**EARTHWORK BALANCING NOTE:** 

FIFTH-THIRD BANK (1383 ROCHESTER RD).

ROCHESTER ROAD, ACROSS FROM SITE.

ROAD, AT THE SOUTHWEST AREA OF THE SITE.

EDDINGTON BLVD. WEST OF FARNBOROUGH DRIVE.

RETAINING WALL NOTE:

BENCHMARKS: (GPS DERIVED - NAVD88)

ELEV. - 822.13

ELEV. - 827.23

ELEV. - 820.86

ELEV. - 814.85

ELEV. - 820.48

REF. BM (NOWAK & FRAUS)

EXISTING SPOT ELEVATION

IN CURB LINES.

PROPOSED REVERSE GUTTER PAI

——922—— PROPOSED CONTOUR

- - - - PROPOSED RIDGE LINE

----- PROPOSED SWALE/DITCH

T/P = TOP OF PAVEMENT F.G. = FINISH GRADE T/S = TOP OF SIDEWALK RIM = RIM ELEVATION

REFER TO GRADING NOTES ON SHEET C-X.

TOP OF WALL (T/W) AND BOTTOM OF WALL (B/W) GRADES ARE THE FINISH GRADE AT THE TOP AND BOTTOM OF THE RETAINING WALL, NOT ACTUAL TOP AND BOTTOM OF THE WALL STRUCTURE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR

EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE

APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN

DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR

REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL

NAIL IN THE TOP OF A LIGHT POLE BASE LOCATED APPROX. 140' SOUTHEAST FROM THE SOUTHEAST BUILDING CORNER OF

ARROW W/DIMPLE ON A HYDRANT LOCATED ON THE WEST SIDE OF

ARROW ON A HYDRANT LOCATED ON THE EASTSIDE OF ROCHESTER

ARROW W/DIMPLE ON A HYDRANT LOCATED ON THE NORTH SIDE OF

ARROW ON A HYDRANT LOCATED AT THE SOUTHEAST SIDE OF THE

DRIVE-THRU OF FIFTH-THIRD BANK (1383 ROCHESTER RD).

MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

EXISTING CONTOUR

PROPOSED SPOT ELEVATION:

G = GUTTER GRADE

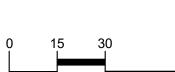
B/W = BOTTOM OF WALL



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SCALE: 1" = 30'



CAUTION!! THE LOCATIONS AND ELEVATIONS OF EXISTING UND JTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOI DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. AVON ROAD MEADOWFIELD DREXELGATE

CLIENT

EIG14T 3221 W. BIG BEAVER ROAD, SUITE 111

TROY, MICHIGAN 48084

PROJECT TITLE

REVISIONS

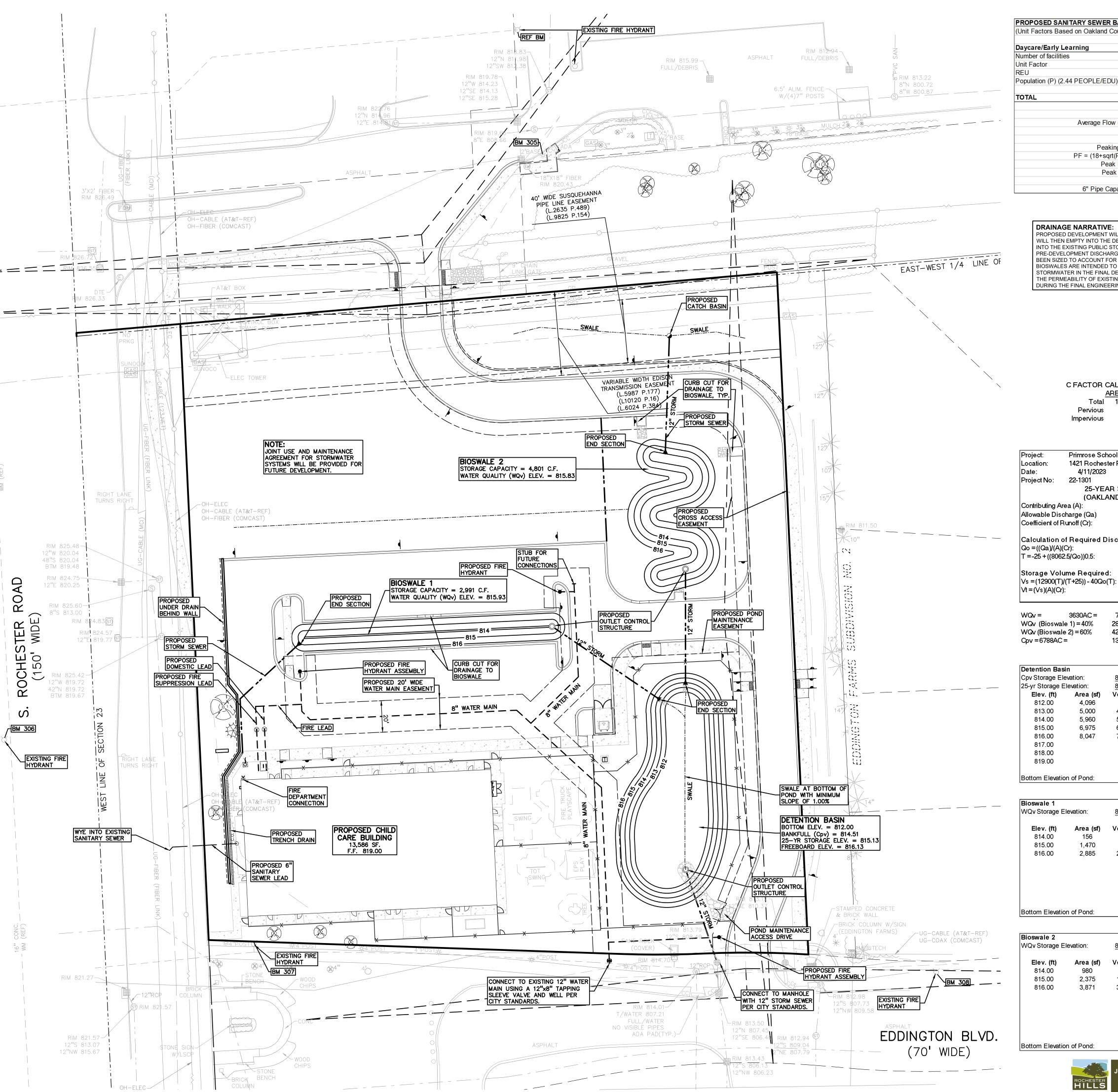
**PRIMROSE** SCHOOL VACANT LOT - ROCHESTER ROAD ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

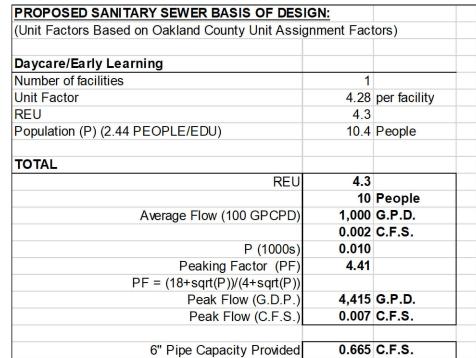
SITE PLAN APPROVAL RESUBMITTAL	06-23
SITE PLAN APPROVAL RESUBMITTAL	07-25
ORIGINAL ISSUE DATE: FEBRUARY 10, 2023	
DRAWING TITLE	

SITE PLAN APPROVAL RESUBMITTAL 04-19-23 SITE PLAN APPROVAL RESUBMITTAL 05-25-23

**PRELIMINARY GRADING PLAN** 

	PEA JOB NO.	2022-1301
	P.M.	ВК
	DN.	BLA
	DES.	BLA
	DRAWING NUMBER	•





DRAINAGE NARRATIVE: PROPOSED DEVELOPMENT WILL DRAIN INTO TWO BIOSWALES THAT WILL THEN EMPTY INTO THE DETENTION POND. THE POND WILL DRAIN INTO THE EXISTING PUBLIC STORM IN EDDINGTON BOULEVARD AT THE PRE-DEVELOPMENT DISCHARGE RATE POND AND BIOSWALES HAVE BEEN SIZED TO ACCOUNT FOR PLANNED FUTURE DEVELOPMENT. THE BIOSWALES ARE INTENDED TO ACT AS INFILTRATION BEDS FOR STORMWATER IN THE FINAL DESIGN. THIS WILL BE DEPENDENT UPON THE PERMEABILITY OF EXISTING SOILS, WHICH WILL BE TESTED

DURING THE FINAL ENGINEERING PLAN DEVELOPMENT.

C FACTOR CALCULATIONS AREA (S.F.) C Total 156,456 0.25 22,578.25 Pervious 90,313 0.95 62,835.85 Impervious 66,143 0.546 85,414.10

Primrose School 1421 Rochester Road 4/11/2023 22-1301 25-YEAR STORM DETENTION DESIGN (OAKLAND COUNTY DESIGN METHOD) 3.592 acres 0.718 CFS (0.2 CFS/acre) Allowable Discharge (Qa) 0.546 Coefficient of Runoff (Cr): Calculation of Required Discharge/Acre 123.36

3630AC = 7118.748 cf Total Between Two Bioswales 2847.4992 WQv (Bioswale 1) = 40% Bioswale 1 WQv (Bioswale 2) = 60% 4271.2488 Bioswale 2 13311.863 cf bankfull

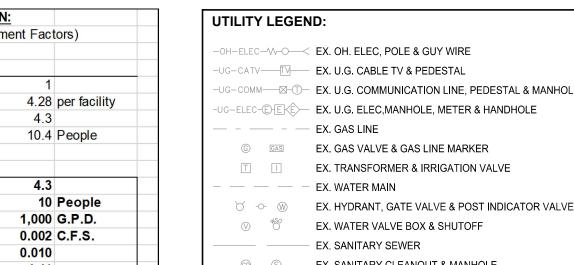
8918.76

17,490

Detention Basi	in .			
		544.54	10.010	
Cpv Storage Ele	evation:	<u>814.51</u>	13,312	ct
25-yr Storage E	levation:	<u>815.13</u>	17,490	cf
Elev. (ft)	Area (sf)	Vol. (cf)	Total Vol. (cf)	
812.00	4,096	0	0	
813.00	5,000	4,548	4,548	
814.00	5,960	5,480	10,028	
815.00	6,975	6,468	16,496	
816.00	8,047	7,511	24,007	
817.00		0	24,007	
818.00		0	24,007	
819.00		0	24,007	
Bottom Elevation	n of Pond:		812.00	

Bioswale 1			% to Bioswale 1 = 3559.374 cf * 0.40
WQv Storage E	levation:	<u>815.93</u>	2,847 cf
Elev. (ft)	Area (sf)	Vol. (cf)	Total Vol. (cf)
814.00	156	0	0
815.00	1,470	813	813
816.00	2,885	2,178	2,991
Bottom Elevation	on of Pond:		814.00

oswale 2			% to Bioswale 2 = 3559.374 cf * 0.60	
Qv Storage E	levation:	<u>815.83</u>	4,271 cf	
Elev. (ft)	Area (sf)	Vol. (cf)	Total Vol. (cf)	
814.00	980	0	0	
815.00	2,375	1,678	1,678	
816.00	3,871	3,123	4,801	
ottom Elevatio	on of Pond:		814.00	



EX. WATER MAIN EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE EX. WATER VALVE BOX & SHUTOFF EX. SANITARY SEWER EX. SANITARY CLEANOUT & MANHOLE EX. COMBINED SEWER MANHOLE - EX. STORM SEWER EX. CLEANOUT & MANHOLE EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN EX. YARD DRAIN & ROOF DRAIN EX. UNIDENTIFIED STRUCTURE PROPOSED WATER MAIN PROPOSED HYDRANT AND GATE VALVE PROPOSED TAPPING SLEEVE, VALVE & WELL PROPOSED POST INDICATOR VALVE PROPOSED SANITARY SEWER PROPOSED SANITARY CLEANOUT & MANHOLE

PROPOSED STORM SEWER

EX. TRANSFORMER & IRRIGATION VALVE

○ C.O. ■ PROPOSED STORM SEWER CLEANOUT & MANHOLE PROPOSED CATCH BASIN, INLET & YARD DRAIN CONTRACTOR TO VERIFY ALL QUANTITIES. ANY DEVIATIONS TO THE PLAN QUANTITIES SHALL BE

BROUGHT TO THE ATTENTION OF PEA GROUP FOR VERIFICATION, PRIOR TO BIDDING. PREMIUM TRENCH BACKFILL NOTE: ALL UTILITIES UNDER PAVEMENT OR WITHIN 3' OF

THE EDGE OF PAVEMENT (OR WITHIN THE 45° LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE M.D.O. CLASS II GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).

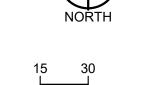
PUBLIC UTILITY EASEMENTS: ALL WATER MAIN SHALL BE LOCATED IN A 20' WIDE EASEMENT.

CITY OF ROCHESTER HILLS STORM SEWER FRAME & COVER NOTES EJ 1040 TYPE "A" COVER CATCH BASIN IN CURB EJ 7045 WITH TYPE M1 GRATE AND 7050 T

BACK OR EQUIVALENT CATCH BASIN IN PAVED AREA EJ FRAME 5105 WITH TYPE M1 SINUSOIDAL GRATE OR EQUIVALENT CATCH BASIN IN GRASS AREA EJ 1040 TYPE N

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SCALE: 1" = 30'

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CLIENT EIG14T

3221 W. BIG BEAVER ROAD, SUITE 111 TROY, MICHIGAN 48084

PROJECT TITLE

**PRIMROSE SCHOOL** VACANT LOT - ROCHESTER ROAD ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

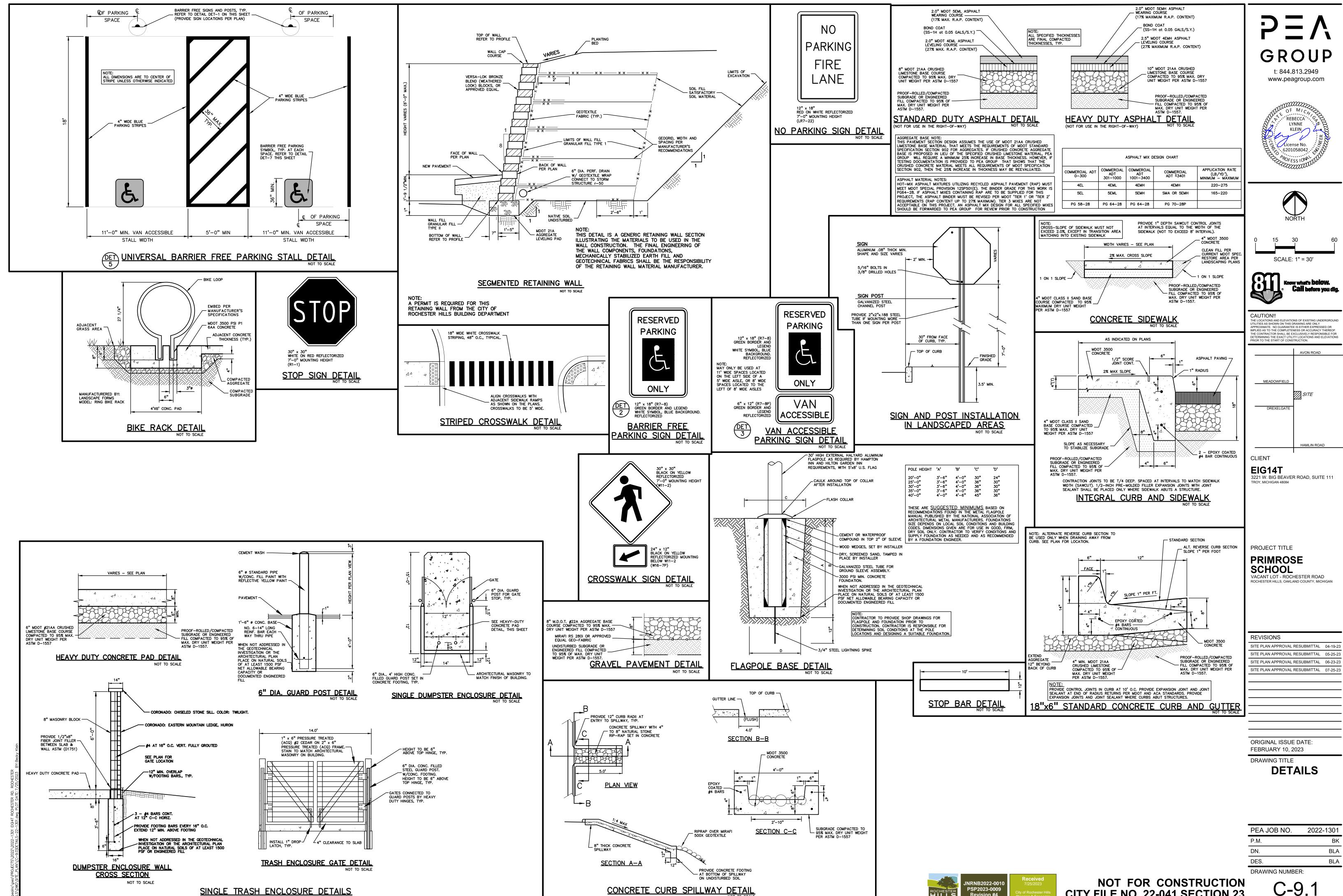
REVISIONS SITE PLAN APPROVAL RESUBMITTAL 04-19-23 SITE PLAN APPROVAL RESUBMITTAL 05-25-23 SITE PLAN APPROVAL RESUBMITTAL 06-23-23 SITE PLAN APPROVAL RESUBMITTAL 07-25-23 ORIGINAL ISSUE DATE: FEBRUARY 10, 2023 DRAWING TITLE

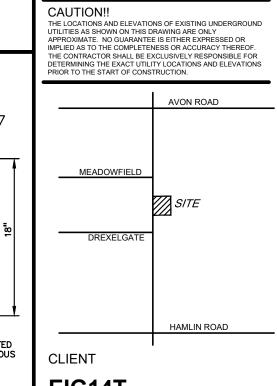
**PRELIMINARY UTILITY PLAN** 

PEA JOB NO. 2022-1301 BLA BLA DRAWING NUMBER:



NOT FOR CONSTRUCTION CITY FILE NO. 22-041 SECTION 23



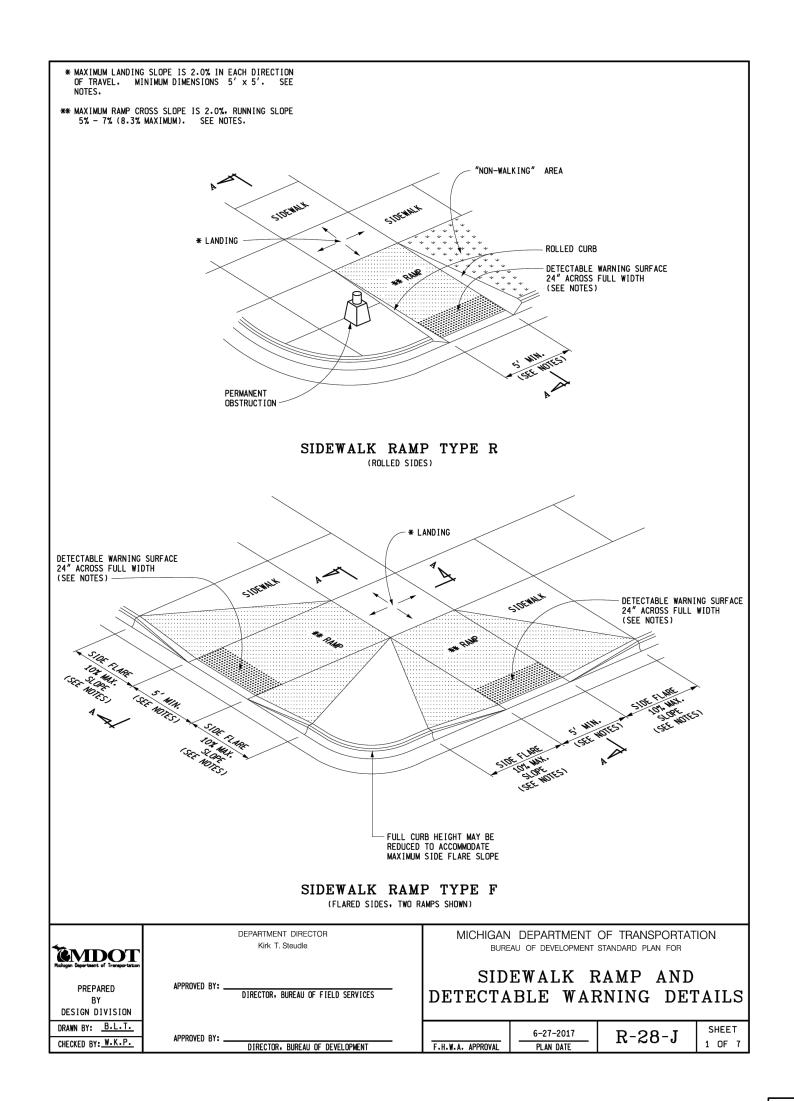


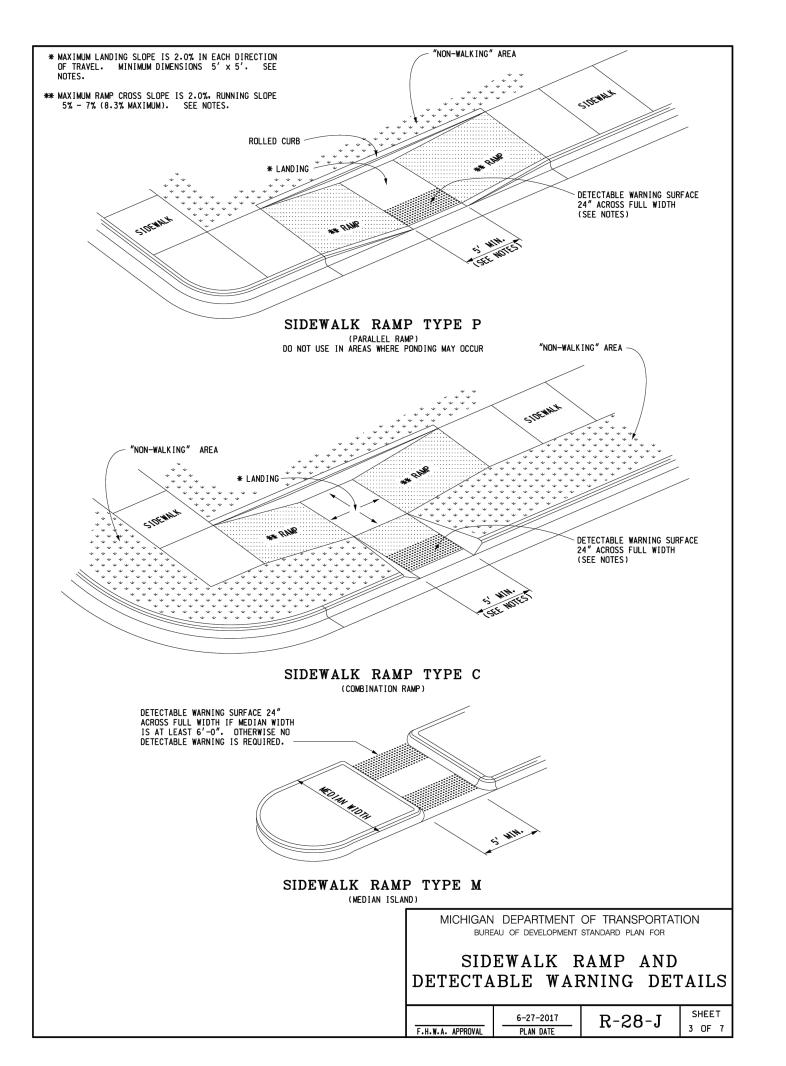
REVISIONS	
SITE PLAN APPROVAL RESUBMITTAL	04-19-23
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SITE PLAN APPROVAL RESUBMITTAL	07-25-23

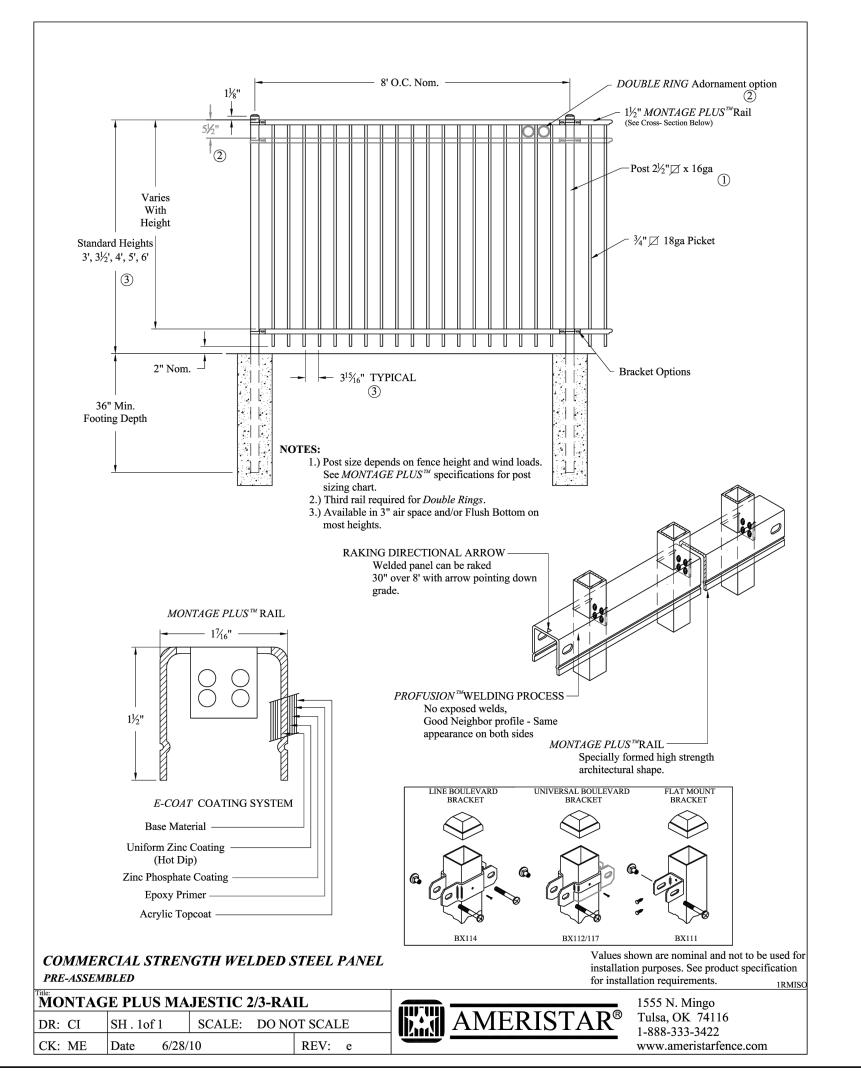
PEA JOB NO.	2022-1301
P.M.	ВК
DN.	BLA
DES.	BLA
DRAWING NUMBER	 {:

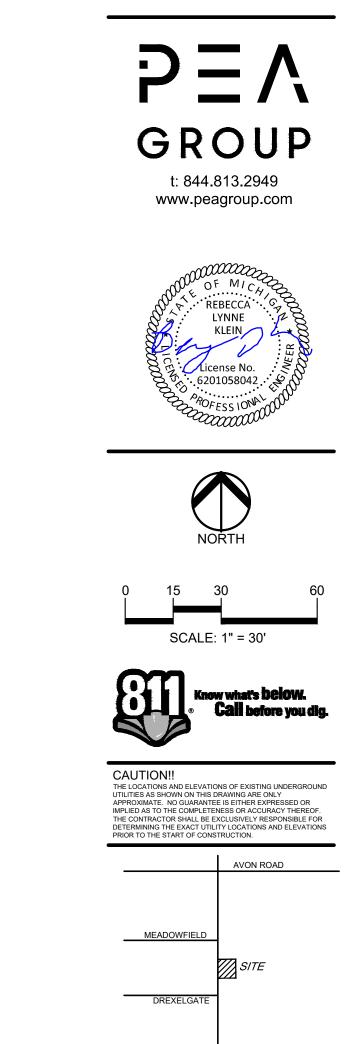


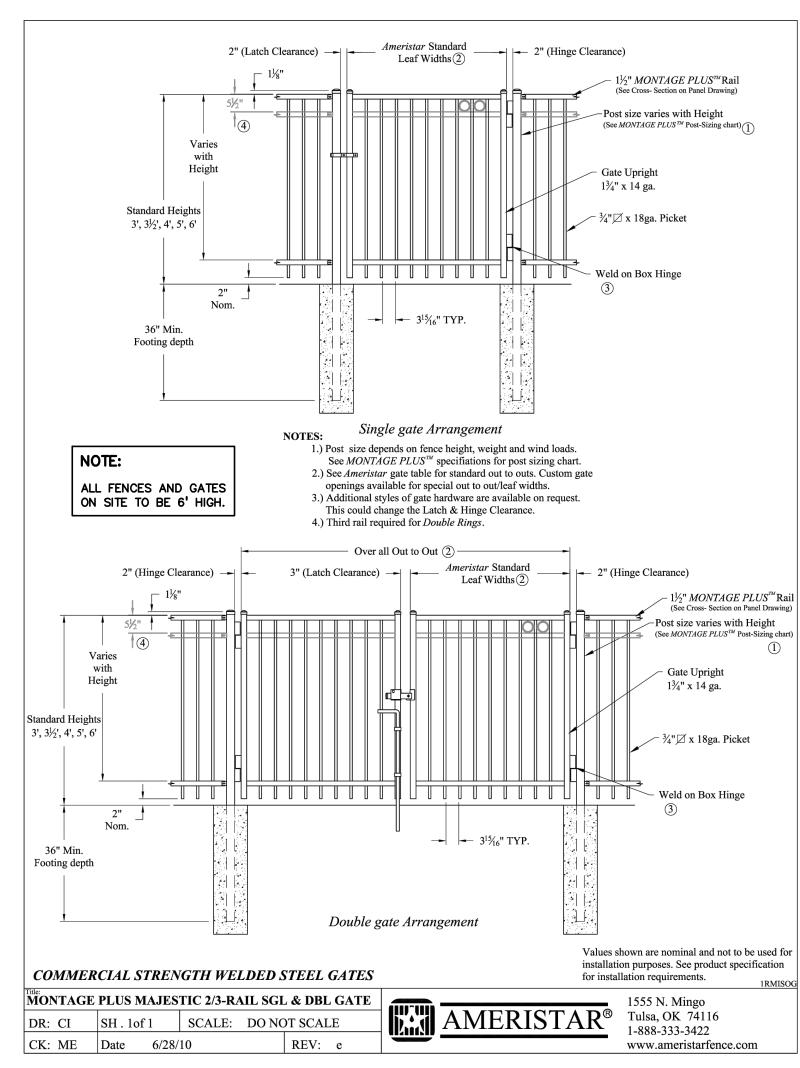
C-9.1

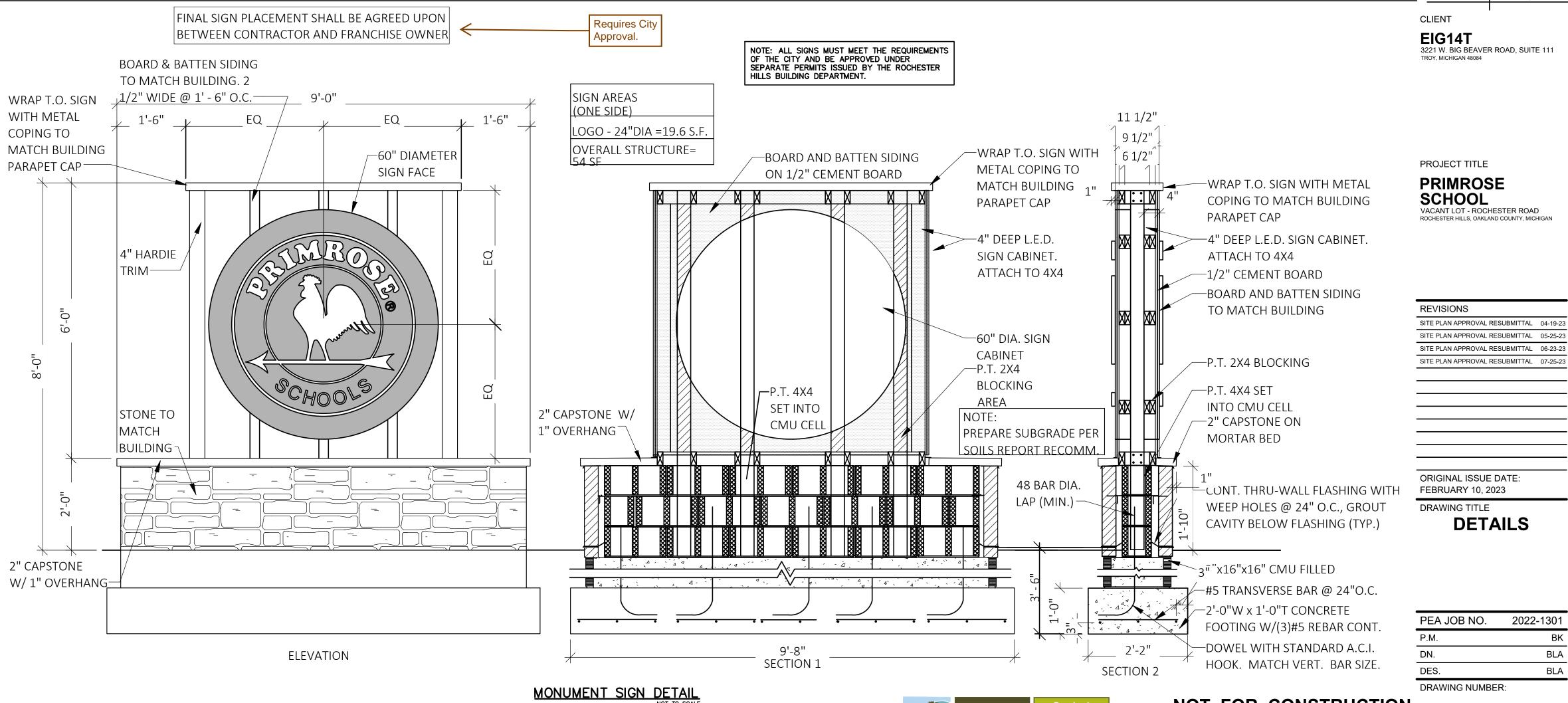












NOT FOR CONSTRUCTION

CITY FILE NO. 22-041 SECTION 23

**DETAILS** 

2022-1301

BLA

BLA