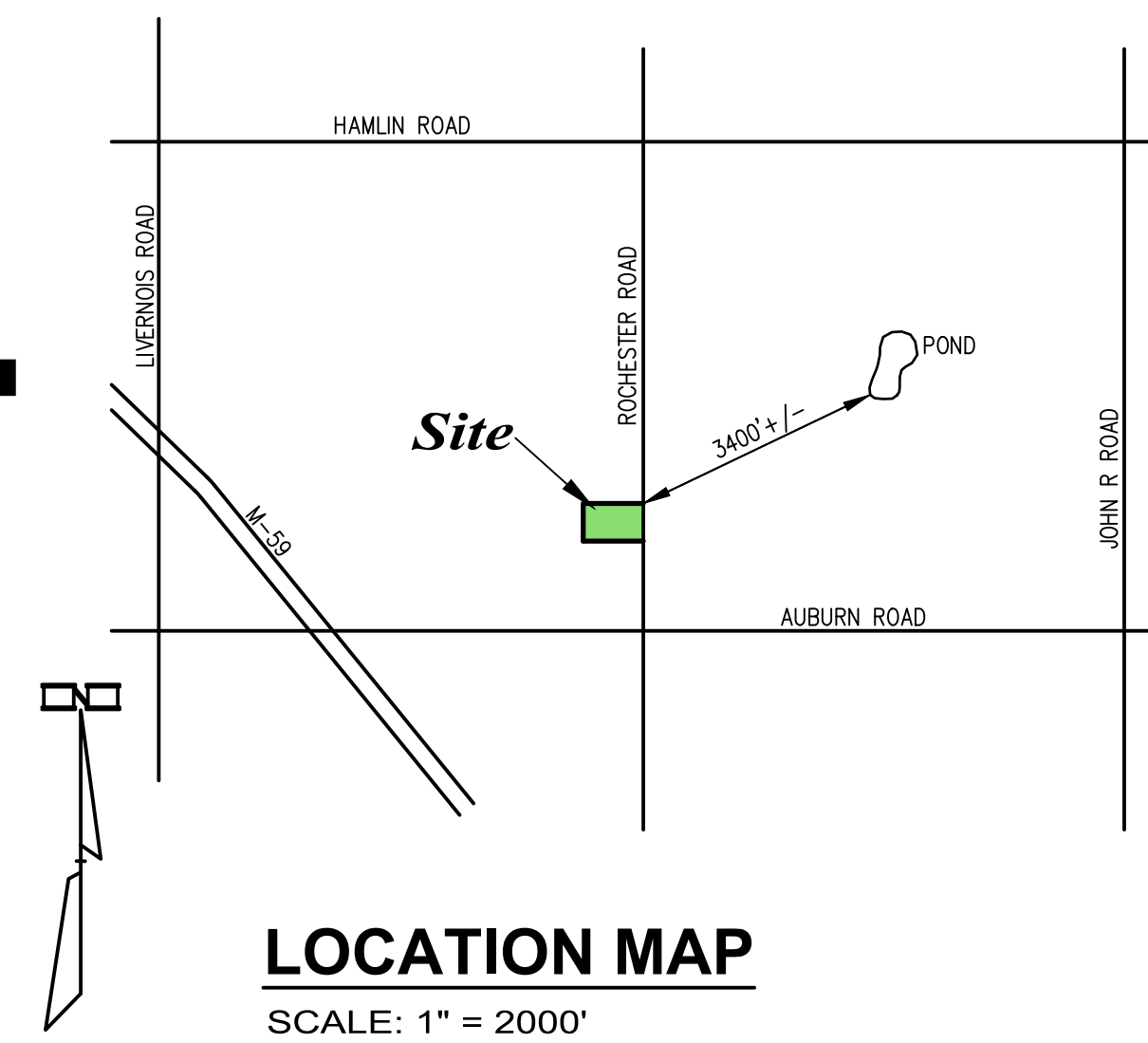


BEBB OAK MEADOWS MIXED USE DEVELOPMENT

2800 S. ROCHESTER RD.
ROCHESTER HILLS, MI 48307



SHEET INDEX		ISSUED FOR				
DRAWING INDEX KEY:		03.10.21	06.01.21	09.14.21	12.01.21	02.25.22
<input type="checkbox"/>	NOT ISSUED	SPA SUBMITTAL	SPA RE-SUBMITTAL	SPA RE-SUBMITTAL	SPA RE-SUBMITTAL	SPA RE-SUBMITTAL
<input type="checkbox"/>	NOT REVISED					
<input checked="" type="checkbox"/>	NEWLY ISSUED OR REVISED					
<input checked="" type="checkbox"/>	REFERENCE					
GENERAL						
TS1.1 TITLE SHEET, SHEET INDEX, AND CODE ANALYSIS						
SITE						
1 of 11	CIVIL COVER SHEET					
2 of 11	EXISTING CONDITIONS PLAN & BENCHMARKS					
3 of 11	DEMOLITION PLAN					
4 of 11	OVERALL SITE PLAN					
5 of 11	DETAILED SITE PLAN - EAST					
6 of 11	DETAILED SITE PLAN - WEST					
7 of 11	ROCHESTER ROAD ENTRANCE PLAN					
8 of 11	FIRE PROTECTION PLAN					
9 of 11	STORM SEWER, DETENTION CALCULATIONS AND DETAILS					
10 of 11	SANITARY CALCULATIONS AND DETAILS					
11 of 11	MDOT NOTES & DETAILS					
SL.1	SITE LIGHTING PLAN, PHOTOMETRIC, AND SPECIFICATIONS					
L1	LANDSCAPE PLAN					
L2	LANDSCAPE PLAN SPECIFICATIONS AND DETAILS					
L3	LANDSCAPE PLAN COURTYARD					
L4	IRRIGATION PLAN					
L5	IRRIGATION DETAILS					
ARCHITECTURAL						
A1.1	FIRST FLOOR PLAN					
A1.2	SECOND FLOOR PLAN					
A1.3	THIRD FLOOR PLAN					
A1.4	FOURTH FLOOR PLAN					
A3.1	EXTERIOR ELEVATIONS					
A3.2	SITE VISIBILITY IMAGES					

OWNER:

OYK AFFILIATED, LLC
30700 TELEGRAPH RD. SUITE 2665
BINGHAM FARMS, MICHIGAN 48025
(248) 656-7695

ARCHITECT:

STUCKY VITALE ARCHITECTS
27172 WOODWARD AVENUE
ROYAL OAK, MICHIGAN 48067
(248) 546-6700

CIVIL ENGINEER:

KIEFT ENGINEERING, INC
5852 S. MAIN ST. SUITE 1
CLARKSTON, MI 48346
(248) 625-5251



STUCKY VITALE ARCHITECTS
27172 WOODWARD AVENUE
ROYAL OAK, MI 48067-0925
P. 248.546.6700
F. 248.546.8454
WWW.STUCKYVITALE.COM

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Consultants:

Project:

BEBB OAK MEADOWS
MIXED USE DEVELOPMENT
2800 S ROCHESTER ROAD
ROCHESTER HILLS, MI 48307

Issued for:

SPA REVIEW REV.	06.01.21
SPA REVIEW REV.	09.14.21
SPA REVIEW REV.	12.01.21
SPA REVIEW REV.	01.21.22
SPA REVIEW REV.	02.25.22
SP REVISION	03.17.22

APPLICABLE CODES:

BUILDING CODE:
COMMERCIAL
MBC 2015 (2015 MICHIGAN BUILDING CODE 2015)
EFFECTIVE APRIL 20, 2017

MECHANICAL CODE:
MNC 2015 (MICHIGAN MECHANICAL CODE 2015)
EFFECTIVE APRIL 20, 2017

PLUMBING CODE:
MPC 2015 (MICHIGAN PLUMBING CODE 2015)
EFFECTIVE APRIL 20, 2017

ELECTRICAL CODE:
NEC 2017 (STATE OF MICHIGAN ELECTRICAL CODE)
2017 NATIONAL ELECTRIC CODE WITH PART 8 AMENDMENTS.
EFFECTIVE JANUARY 4, 2019

ENERGY CODE:
MBC 2015 (MICHIGAN BUILDING CODE 2015) -CHAPTER 13 &
MEC 2015 (MICHIGAN ENERGY CODE 2015) - CHAPTERS 1 THROUGH 6 &
MICHIGAN ENERGY CODE, PART 10A. RULES (ANSI/ASHRAE/IES
STANDARD 90.1-2013) ENERGY STANDARDS FOR BUILDINGS
EFFECTIVE SEPTEMBER 20, 2017

FIRE CODE:
IFC 2015 (INTERNATIONAL FIRE CODE 2015) AS REFERENCED IN 2015
MICHIGAN BUILDING CODE

BARRIER FREE REQUIREMENTS:
ICC / ANSI 117.1 - 2009

LIFE SAFETY CODES:
FIRE SUPPRESSION:
COMMERCIAL: NFPA 13 (2013)

FIRE ALARM:
NFPA 72 (2013)
KITCHEN HOODS: NFPA 17A (2013)

PROJECT DATA:

BUILDING CODE AUTHORITY:
CITY OF ROCHESTER HILLS

TYPE OF CONSTRUCTION: ---
TYPE IIB

USE GROUPS: ---
SEPARATED OCCUPANCIES IN ACCORDANCE WITH SECTION 508.4,
CONSISTING OF THE FOLLOWING:
GROUP R-2 (APARTMENTS)
GROUP M (MERCANTILE)
GROUP A-2 (RESTAURANT)

FIRE PROTECTION:
ENTIRE BUILDING SHALL BE EQUIPPED WITH AUTOMATIC
SPRINKLER SYSTEM AND FIRE ALARM IN ACCORDANCE WITH
CHAPTER 9 MBC 903.3.1.1

BUILDING HEIGHT AND NUMBER OF STORIES:
MAXIMUM BUILDING HEIGHT (TABLE 504.3)
GROUP A SPRINKLERED- 75' MAX ABOVE GRADE
GROUP M SPRINKLERED-75' MAX ABOVE GRADE
GROUP R SPRINKLERED-75' MAX ABOVE GRADE

NUMBER OF STORIES (TABLE 504.4)
GROUP A-2 (FIRST FLOOR ONLY) 2 STORIES MAX ABOVE GRADE
GROUP M (FIRST FLOOR ONLY) 3 STORIES MAX ABOVE GRADE
GROUP R-2- 5 STORIES MAX ABOVE GRADE

**BUILDING AREA
FRONTAGE INCREASE:**

$L_f = [F/P - 25] W/30$
 $L_f = [1411/1411 - 25] 30$
 $L_f = 75$

BUILDING AREA CONT.

ALLOWABLE AREA PER FLOOR INCLUDING FRONTAGE INCREASE

FIRST FLOOR:
GROUP A-2 35,625 SF / GROUP M 46,875 SF / GROUP R-2 60,000 SF

SECOND FLOOR:
GROUP R-2 60,000 SF

THIRD FLOOR:
GROUP R-2 60,000 SF

FOURTH FLOOR:
GROUP R-2 60,000 SF

ACTUAL AREA PER FLOOR

FIRST FLOOR:
GROUP A-2 3,559 SF / GROUP M 9,702 SF / GROUP R-2 18,714 SF

SECOND FLOOR:
GROUP R-2 32,504 SF

THIRD FLOOR:
GROUP R-2 32,504 SF

FOURTH FLOOR:
GROUP R-2 24,326 SF **TOTAL SF = 121,253**

AREA RATIO CALCULATION PER FLOOR

FIRST FLOOR: 0.10 + 0.22 + 0.31 = 0.63

SECOND FLOOR: 0.54

THIRD FLOOR: 0.54

FOURTH FLOOR: 0.41

TOTAL = 2.12 OK <3

FACADE TRANSPARENCY

GROUND FLOOR NON-RESIDENTIAL USE MIN. 70%
MEASURED FROM 2'-8" ABOVE SIDEWALK:
1180 SF TRANSPARENCY/ 1595 GSF= 73.9% ACTUAL: COMPLIES

UPPER FLOOR RESIDENTIAL RESIDENTIAL USE MIN 20%
9546 SF TRANSPARENCY/ 43,428 GSF = 21.9%: COMPLIES

BUILDING MATERIALS

PRIMARY MATERIALS MIN. 60%
40,967 SF OF PRIMARY MATERIAL/ 52,215 (TOTAL GSF LESS WINDOWS AND DOORS) =78.5%

ACCENT MATERIALS MAX 40%
11,248 SF OF ACCENT MATERIAL/ 52,215 (TOTAL GSF LESS WINDOWS AND DOORS) =21.5%

PROPERTY DESCRIPTION

Tax Id Number: 15-27-477-058

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF OAKLAND, STATE OF MICHIGAN, AND IS DESCRIBED AS FOLLOWS:

LAND SITUATED IN THE STATE OF MICHIGAN, COUNTY OF OAKLAND, CITY OF ROCHESTER HILLS.

LAND IN THE SOUTHEAST 1/4 OF SECTION 27, TOWN 3 NORTH, RANGE 11 EAST, CITY OF ROCHESTER HILLS, OAKLAND COUNTY MICHIGAN, DESCRIBED AS: COMMENCING AT THE SOUTHEAST SECTION CORNER; THENCE ALONG THE SECTION LINE, NORTH 00 DEGREES 42 MINUTES 00 SECONDS EAST, 985.00 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89 DEGREES 22 MINUTES 00 SECONDS WEST, 603.90 FEET; THENCE NORTH 88 DEGREES 52 MINUTES 00 SECONDS WEST, 57.88 FEET TO THE EASTERLY LINE OF EYSTER'S AVON GARDENS SUBDIVISION, RECORDED IN LIBER 31, PAGE 46 OF PLATS, OAKLAND COUNTY RECORDS; THENCE ALONG THIS LINE, NORTH 00 DEGREES 44 MINUTES 48 SECONDS EAST, 328.00 FEET; THENCE SOUTH 89 DEGREES 00 MINUTES 20 SECONDS EAST, 661.59 FEET TO THE SECTION LINE; THENCE SOUTH 00 DEGREES 42 MINUTES 00 SECONDS WEST, 324.33 FEET TO THE POINT OF BEGINNING, EXCEPT THE EASTERLY 33 FEET FOR ROAD.

ALSO DESCRIBED AS PER ASSESSING DEPARTMENT:
T3N, R11E, SEC 27 PART OF SE 1/4 BEG AT PT DIST N 00-42- 00 E 979.73 FT FROM SE SEC COR, TH N 00-42-00 E 227.60 FT, TH N 89- 02- 06 W 660.91 FT, TH S 00-42-00 E 226 FT, TH S 88-54-37 E 660.92 FT TO BEG, ALSO N 102 FT OF S 1309.33 FT OF E 660 FT OF SE 1/4.

Drawn by :
SVA
Checked by :
SVA
Sheet Title :
TITLE SHEET

Project No. :
2020.137

TS1.1

DO NOT SCALE DRAWINGS © 2021 Stucky Vitale Architects

NOTE:
PRIOR TO THE INSTALLATION OF THE ASPHALT LEVELING COURSE OR 2ND LIFT OF ASPHALT BASE, THE CURB BACKFILL MUST BE INSTALLED AND COMPACTED FLUSH TO THE TOP OF CURB.

SITE PLAN

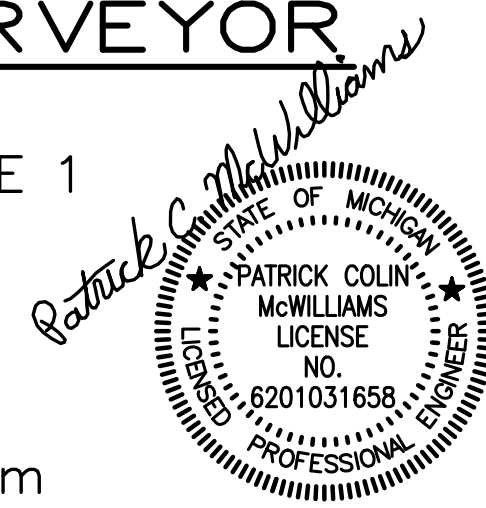
"Bebb Oak Meadows"

"Mixed Use Development"

PART OF THE SE 1/4 OF SECTION 27, T3N, R11E,
CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

ENGINEER & SURVEYOR

KIEFT ENGINEERING, INC.
5852 SOUTH MAIN STREET, STE 1
CLARKSTON, MICHIGAN 48346
Phone (248) 625-5251
Fax # (248) 625-7110
Attn: Patrick C. McWilliams
Email: pmcwilliams@kieferteng.com



DEVELOPER/CONTRACTOR

OYK Engineering & Construction
30700 Telegraph Road, Suite 2665
Bingham Farms, Michigan 48025
Ph: (248) 656-7695
Contact: Fred Hadid
Email: fhadid@oykconstruction.com

PROPERTY DESCRIPTION

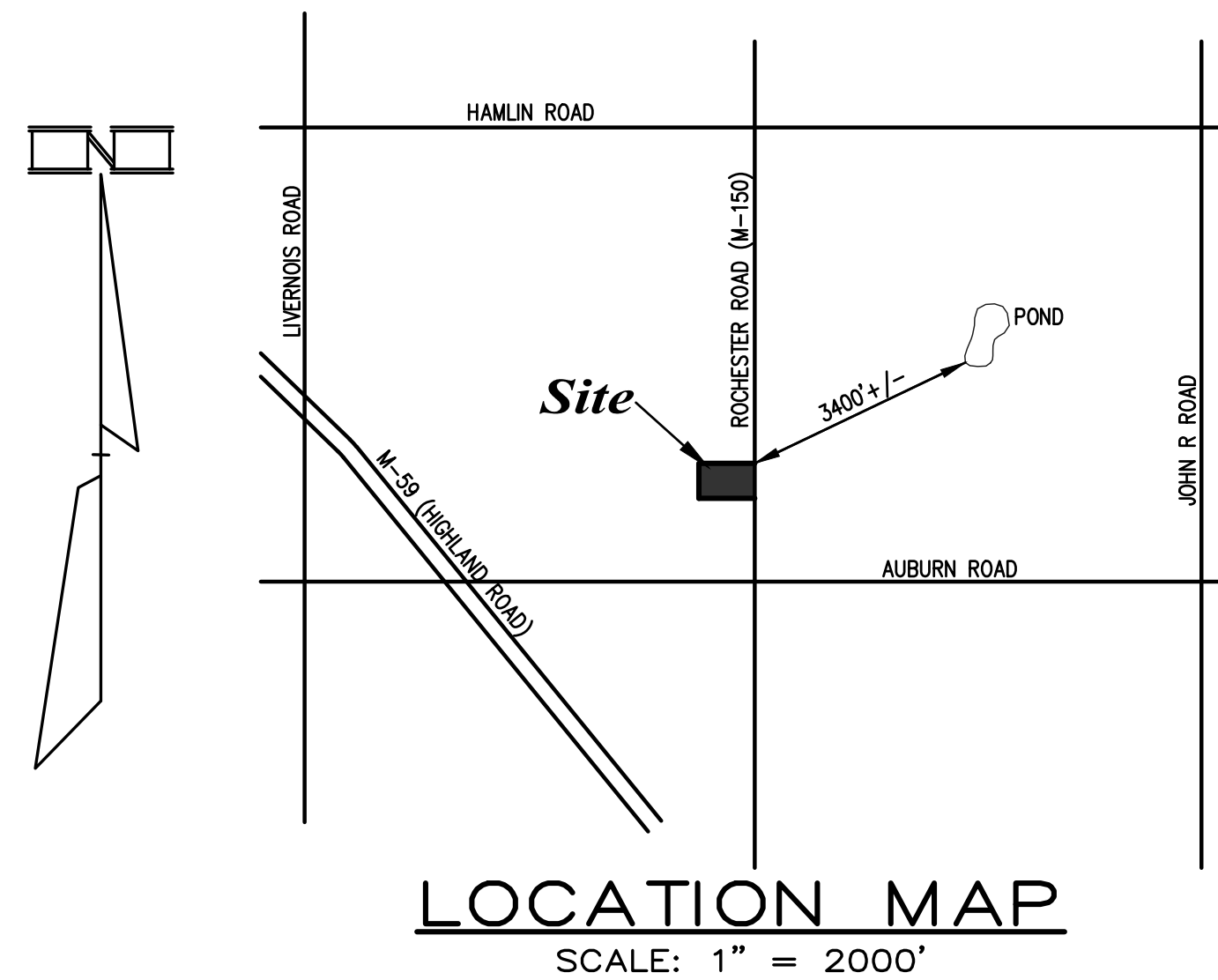
Tax Id Number: 15-27-477-058

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LAND IN THE SOUTHEAST 1/4 OF SECTION 27, TOWN 3 NORTH, RANGE 11 EAST, CITY OF ROCHESTER HILLS, OAKLAND COUNTY MICHIGAN, DESCRIBED AS: COMMENCING AT THE SOUTHEAST SECTION CORNER; THENCE ALONG THE SECTION LINE, NORTH 00 DEGREES 42 MINUTES 00 SECONDS EAST, 985.00 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89 DEGREES 22 MINUTES 00 SECONDS WEST, 603.90 FEET; THENCE NORTH 88 DEGREES 52 MINUTES 00 SECONDS WEST, 57.88 FEET TO THE EASTERLY LINE OF EYSTER'S AVON GARDENS SUBDIVISION, RECORDED IN LIBER 31, PAGE 46 OF PLATS, OAKLAND COUNTY RECORDS; THENCE ALONG THIS LINE, NORTH 00 DEGREES 44 MINUTES 48 SECONDS EAST, 328.00 FEET; THENCE SOUTH 89 DEGREES 00 MINUTES 20 SECONDS EAST, 661.59 FEET TO THE SECTION LINE; THENCE SOUTH 00 DEGREES 42 MINUTES 00 SECONDS WEST, 324.33 FEET TO THE POINT OF BEGINNING. CONTAINING 4.96 ACRES, EXCEPT THE EASTERLY 33 FEET FOR ROAD.

ALSO DESCRIBED AS PER ASSESSING DEPARTMENT:
T3N, R11E, SEC. 27 PART OF SE 1/4 BEG. AT PT. DIST N 00-42-00 E 979.73 FT FROM SE. SEC. COR. TH N 00-42-00 E 227.60 FT, TH N 89-02-06 W 660.91 FT, TH S 00-42-00 E 226 FT, TH S 88-54-37 E 660.92 FT TO BEG. ALSO N 102 FT OF S 1309.33 FT OF E 660 FT OF SE 1/4.



ARCHITECT

Stucky Vitale Architects
27172 Woodward Avenue
Royal Oak, Michigan 48067-0925
Ph (248) 546-6700, Ext 102
Contact: John Stucky
Email: jvitale@stuckyvitale.com

SHEET INDEX

- 1) COVER SHEET
- 2) EXISTING CONDITIONS PLAN & BENCHMARKS
- 3) DEMOLITION PLAN
- 4) OVERALL SITE PLAN
- 5) DETAILED SITE PLAN - EAST
- 6) DETAILED SITE PLAN - WEST
- 7) ROCHESTER ROAD ENTRANCE PLAN
- 8) FIRE PROTECTION PLAN
- 9) STORM SEWER, DETENTION CALCULATIONS & DETAILS
- 10) SANITARY CALCULATIONS & DETAILS
- 11) MDOT NOTES & DETAILS, ETC.

APPROVALS

AGENCY	DESCRIPTION	DATE	EXPIRATION DATE
CITY OF ROCHESTER HILLS	PLANNING COMMISSION	_____	_____
CITY OF ROCHESTER HILLS	TOWNSHIP BOARD	_____	_____
CITY OF ROCHESTER HILLS	ENGINEERING APPROVAL	_____	_____
OAKLAND COUNTY WATER RESOURCE COMMISSION	SOIL EROSION PERMIT NO.	_____	_____
OAKLAND COUNTY WATER RESOURCE COMMISSION	WATER MAIN APPROVAL	_____	_____
OAKLAND COUNTY WATER RESOURCE COMMISSION	SANITARY SEWER APPROVAL	_____	_____
MICHIGAN DEPT. OF ENVIRONMENTAL QUALITY, GREAT LAKES & ENERGY	WATER MAIN PERMIT NO.	_____	_____
MICHIGAN DEPT. OF ENVIRONMENTAL QUALITY, GREAT LAKES & ENERGY	SANITARY SEWER PERMIT	_____	_____
MICHIGAN DEPT. OF ENVIRONMENTAL QUALITY, GREAT LAKES & ENERGY	N.P.D.E.S. NOTICE TO COVER	_____	_____
MICHIGAN DEPARTMENT OF TRANSPORTATION	ROCHESTER ROAD (M-150)	_____	_____

NOTES:

"THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT".
-GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SOIL EROSION CONTROLS.

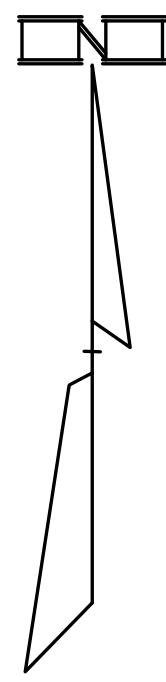
REVISION INDEX

REV. #	DESCRIPTION	DATE	SHEET NUMBERS													
			1	2	3	4	5	6	7	8	9	10	11			
1	REVISED PER ARCHITECT	3-19-2021	X	X	X	X	X	X	X							
2	REVISED PER CITY (4-15-21)	5-12-2021	X	X	X	X	X	X	X	X	X	X	X			
3	REVISED PER CITY (6-29-21)	6-30-2021	X	X	X	X	X	X	X							
4	ADDED HYDRANTS PER FIRE DEPT (6-26-2021)	8-13-2021	X			X	X	X	X							
5	REVISED ENTRANCE APPROACHES PER CLIENT (9-8-2021)	9-24-2021	X		X	X	X	X			X					
6	ADDED PATH DETAIL & SIGHT LINES PER CITY/HRC (10-22-2021)	11-15-2021	X	X	X	X	X	X	X	X	X	X	X			
7	REVISE S. ENTRANCE / LOADING ZONE/DUMPSTER PER CLIENT (11-22-2021)	11-30-2021	X		X	X	X	X	X	X						
8	REVISED PER CITY (6-29-21) PER MDOT (1-17-2022)	1-19-2022	X	X	X	X	X	X	X	X					X	
9	REVISED PER CITY (2-15-2022)	2-24-2022	X		X	X	X	X	X							
10	REVISED PER CITY (3-15-2022)	3-17-2022	X		X	X	X	X	X							

City File #21-008,
Section 27

DATE: 3-17-2021
SHEET 1 OF 11
KE 2021.053

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ALLAA YOUSIF ARABBO
15-27-477-005
R-3

"ROCHESTER AUTOMOTIVE CONDOMINIUM" O.C.C.P. NO. 2206
15-27-477-068
B-5 + FB-3

SCOTT & ERIKA HOUSER
15-27-477-006
R-3

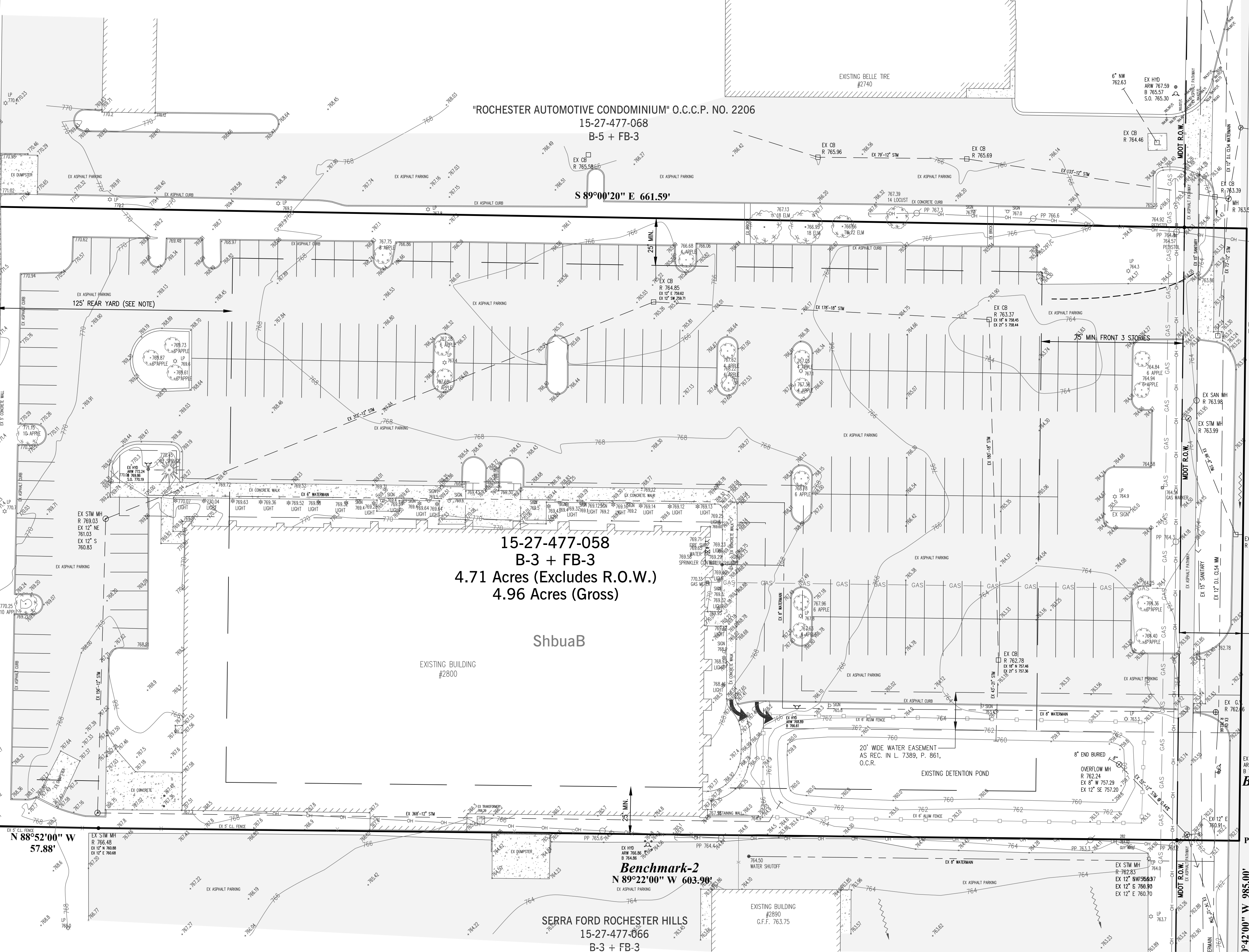
SHERRY WONG
15-27-477-008
R-3

ALBERTO MURGUIA TESCH &
SELENE E. VALQUEZ CARDENAS
15-27-477-008
R-3

CHRISTOPHER JOHNSON
& JOSEPH PETERS
15-27-477-009
R-3

'EYESTERS AVON GARDENS' L. 31, P. 46, O.C.R.

N 00°44'48" E 328.00'



S. Rochester Road (M-150)
VARIABLE WIDTH - 5 LINES ASPHALT W/C.C. & 0-50 MPH (MOOT JURISDICTION)
S 00°42'00" W 324.33'

15-26-351-016
B-3 + FB-3

"HAMPTON VILLAGE CENTRE CONDO" O.C.C.P. NO. 713

15-26-351-016
B-3 + FB-3

Benchmark-1

Benchmark-2
N 89°22'00" W 603.98'

P.O.B.

S 00°42'00" W 985.00'

SE Corner
Section 27
T3N, R11E

LEGEND

- EXISTING
- SANITARY SEWER
- GAS MAIN
- ELEC. TELE. CABLE
- STORM MANHOLE
- CATCH BASIN
- INLET
- REARYARD CATCH BASIN
- END SECTION
- SANITARY MANHOLE
- GATE VALVE AND WELL
- HYDRANT
- CONTOURS
- POWER POLE
- LIGHT POLE
- GRADE

Notes:

ALL EXISTING UTILITIES SHOWN ON THIS TOPOGRAPHIC SURVEY HAVE BEEN TAKEN FROM VISUAL OBSERVATION, AND RECORD MAPPING, WHERE AVAILABLE. NO GUARANTEE IS MADE, OR SHOULD BE ASSUMED, AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITIES SHOWN ON THIS DRAWING. PARTIES UTILIZING THIS INFORMATION SHALL FIELD VERIFY THE ACCURACY AND COMPLETENESS OF OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES.

BUILDER/DEVELOPER IS RESPONSIBLE FOR CONFIRMING BUILDING SETBACKS.

Basis of Bearing:

NORTH 00°42'00" EAST, BEING THE EAST LINE OF SECTION 27, AS DESCRIBED IN PROPERTY DESCRIPTION

Soils Legend

SYMBOL NAME
Shbuab Shebeon-Urban land complex, 0 to 4 percent slopes

Benchmarks:

BM #1
ARROW OF EXISTING HYDRANT LOCATED ON WEST SIDE OF ROCHESTER ROAD, 39'+/- NORTH OF SOUTH PROPERTY LINE.
ELEVATION = 764.90 NAVD '88

BM #2
ARROW OF EXISTING HYDRANT LOCATED 5' SOUTH OF THE SOUTH PROPERTY LINE & 308'+/- WEST OF ROCHESTER ROAD B.O.C.
ELEVATION = 766.86 NAVD '88

03/02/2021 05:53:03 Jang/Babb Oak Site Plan.dwg, E02, 1/20/2022 9:52:25 AM

DATE	ISSUE
3-19-2021	REVISED PER ARCHITECT
5-12-2021	REVISED PER CITY (4-15-2021)
6-30-2021	REVISED PER CITY (6-24-2021)
11-15-2021	ADDED PAINT DETAIL & SIGHT LINES PER CITY/HRC (10-22-2021)
11-18-2021	REVISED PER CITY (12-21-2021), PER MOOT (1-17-2022)

Developer/Contractor
OYK ENGINEERING & CONSTRUCTION
30700 TELEGRAPH ROAD, SUITE 2665
BINGHAM FARMS, MICHIGAN 48025
(248) 656-7695 FRED HADDI

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PROFESSIONAL ENGINEERS AND PROFESSIONAL SURVEYORS
5852 SOUTH MAIN STREET, SUITE 1, CLARKSTON, MICHIGAN 48346
PHONE (248) 625-5251 www.kiefteng.com FAX (248) 625-7110

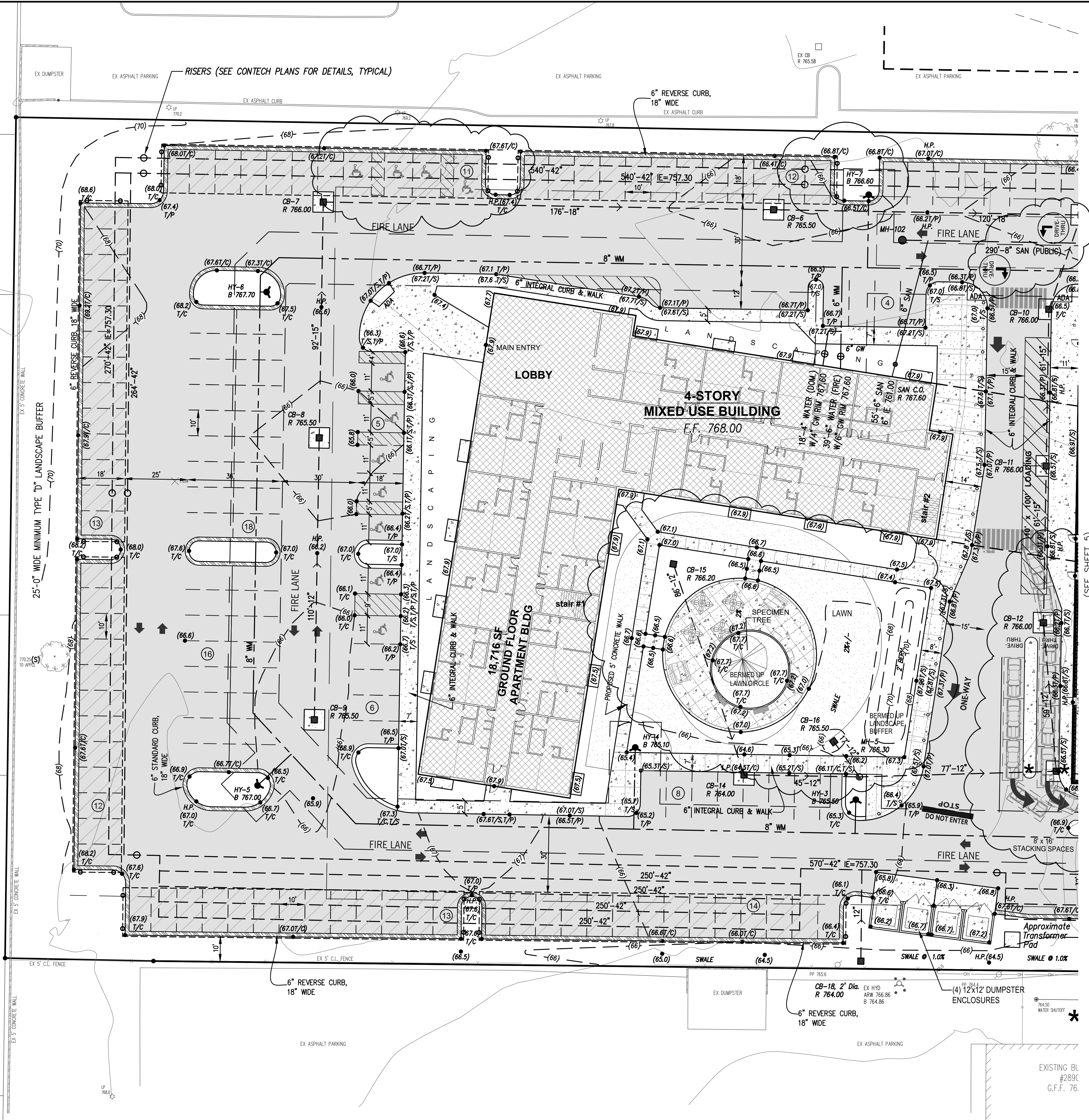
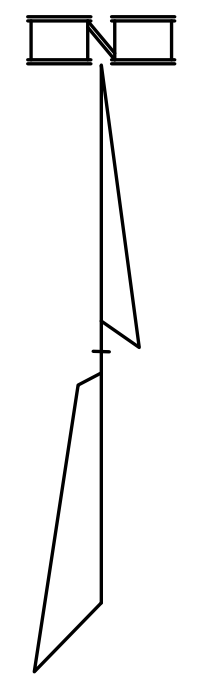
DATE	CKD. BY	DATE
3-17-2021		
DRAWN GF		
DESIGN PCM		
SECTION 27	T- 3 - N, R- 11 - E	



72 HOURS (EXCLUDING DAYS) BEFORE YOU DIG CALL MISS DIG 800-482-7171 (TOLL FREE)

Existing Conditions Plan
"BEBB OAK MEADOWS" MIXED USE DEVELOPMENT
PART OF THE SE 1/4 OF SECTION 27, T3N, R11E,
CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

City File #21-008, Section 27
SCALE 1" = 30'
SHEET 2 OF 11
KE 2021.053



EXISTING	LEGEND	PROPOSED
---	STORM SEWER	---
---	SANITARY SEWER	---
---	WATERMAIN	---
---	GAS MAIN	---
---	ELEC. TELE. CABLE	---
---	STORM MANHOLE	○
---	CATCH BASIN	□
---	INLET	○
---	REAR/YARD CATCH BASIN	□
---	END SECTION	○
---	SANITARY MANHOLE	○
---	GATE VALVE AND WELL	○
---	HYDRANT	○
---	CONTOURS	---
---	MATCH ELEVATION	---
---	TOP OF CURB	(M)
---	TOP OF SIDEWALK	T/C
---	TOP OF PAVEMENT	T/P
---	TOP OF CONCRETE	T/C
---	STANDARD CURB	---
---	REVERSE CURB	---
---	DOWNSPOUT	---
---	ROOF DRAIN	---
---	D.S.	---
---	R.D.	---

6/30/21 10:53 AM J:\Projects\Bebb Oak Site Plan.dwg, Site W6, 3/17/2022 8:14:25 AM

DATE	ISSUE
6-30-2021	REVISED PER CITY (6-29-2021)
8-13-2021	ADDED HYDRANTS FOR FIRE DEPT. (8-13-2021)
11-15-2021	ADDED PATH DETAIL & SIGN LINES PER CITY/ARC (10-22-2021)
11-30-2021	REVISE & ADD SIGN LINES PER CITY/ARC (11-24-2021)
11-19-2021	REVISED PER CITY (11-21-2021), PER MOOI (1-17-2022)
2-24-2022	REVISED PER CITY (2-15-2022)
3-17-2022	REVISED PER CITY (3-15-2022)

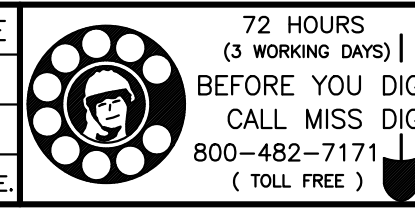
Developer/Contractor
 OYK ENGINEERING & CONSTRUCTION
 30700 TELEGRAPH ROAD, SUITE 2665
 BINGHAM FARMS, MICHIGAN 48025
 (248) 656-7895 FRED HADDI

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DATE	CKD. BY	DATE
3-17-2021		

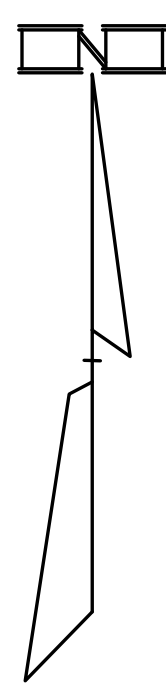


Detailed Site Plan - West
"BEBB OAK MEADOWS" MIXED USE DEVELOPMENT
 PART OF THE SE 1/4 OF SECTION 27, T3N, R11E,
 CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

SCALE	SHEET	DATE
1" = 20'	6 OF 11	2021.053

City File #21-008,
 Section 27

outcod.your.job.name



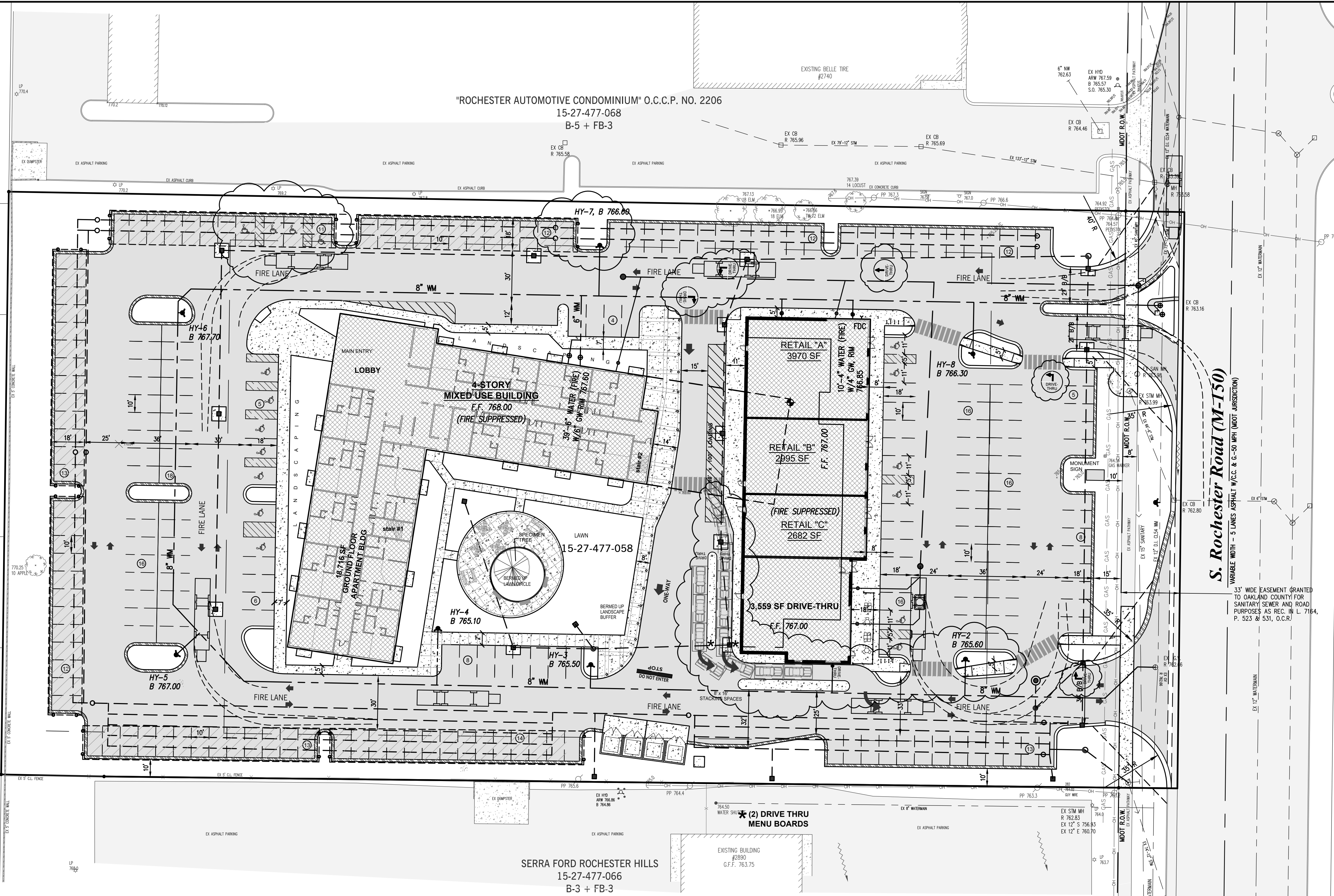
ALLAA YOUSIF ARABBO
15-27-477-005
R-3

SCOTT & ERIKA HOUSER
15-27-477-006
R-3

SHERRY WONG
15-27-477-008
R-3

ALBERTO MURGUIA TESCH &
SELENE E. VALQUEZ CARDENAS
15-27-477-008
R-3

CHRISTOPHER JOHNSON
& JOSEPH PETERS
15-27-477-009
R-3



15-26-351-016
B-3 + FB-3

"HAMPTON VILLAGE CENTRE CONDO" O.C.C.P. NO. 713

15-26-351-016
B-3 + FB-3

S. Rochester Road (M-150)
VARIABLE WIDTH - 3 LANE ASPHALT 1/2" C.C. & 6"-50 MPH (MOOT JURISDICTION)

33' WIDE EASEMENT GRANTED TO OAKLAND COUNTY FOR SANITARY SEWER AND ROAD PURPOSES AS REC. IN L. 7164, P. 523 & 531, O.C.R.

EXISTING	LEGEND	PROPOSED
---	STORM SEWER	---
---	SANITARY SEWER	---
---	WATERMAIN	---
---	GAS MAIN	---
---	ELEC. TELE. CABLE	---
---	STORM MANHOLE	---
---	CATCH BASIN	---
---	INLET	---
---	REARYARD CATCH BASIN	---
---	END SECTION	---
---	SANITARY MANHOLE	---
---	GATE VALVE AND WELL	---
---	HYDRANT	---
---	CONTOURS	---
---	MATCH ELEVATION	---
---	TOP OF CURB	---
---	TOP OF SIDEWALK	---
---	TOP OF PAVEMENT	---
---	TOP OF CONCRETE	---
---	STANDARD CURB	---
---	REVERSE CURB	---
---	DOWNSPOUT	---
---	ROOF DRAIN	---
---		D.S.
---		R.D.

Notes:

1. UPDATED "NO STOPPING STANDING OR PARKING FIRE LANE" SIGNS MUST BE PROVIDED THROUGHOUT THE SITE.
2. ALL ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY SIGNS PER ICCA117.1-2009, SECTION 502.7.
3. M.D.O.T. R.O.W. USE PERMIT IS REQUIRED.
4. CITY OF ROCHESTER HILLS R.O.W. PERMIT IS REQUIRED.
5. O.C.W.R.C. SOIL EROSION PERMIT IS REQUIRED.
6. ALL PROPOSED SIGNS MEET SECTION 138-8.603 AND CHAPTER 134 OF THE CITY CODE OF ORDINANCES AND WILL BE APPROVED UNDER A SEPARATE PERMIT ISSUED BY THE BUILDING DEPARTMENT.
7. THIS IS CONSTRUCTION TYPE 11B WITH 121,796 SF.

FIRE PROTECTION PLAN NOTES:

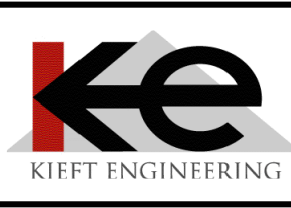
- A Knox Key system shall be installed in a location approved by the Fire Code Official. Ordering information is available from the Knox Company at www.knoxbox.com - IFC 2006 sec. 1028.2.
- Fire Lanes shall be designated by the Fire Code Official, and shall be conspicuously posted on both sides of the fire lane, with fire lane signs, spaced not more than 100 feet apart. Fire Lane signs shall read "No Stopping, Standing, Parking, Fire Lane" and shall conform to the Michigan manual of Uniform Traffic Control Devices - Fire Prevention Ordinance Chapter 58, sec. 503.
- Construction sites shall be safeguarded in accordance with IFC 2006 Chapter 14.
- Open Burning is not permitted, including the burning of trash, debris, or land clearing materials. Open burning for warming of s-and and/or water for the preparation of mortar shall be within the City of Rochester Hills Burn Permit Guidelines - Fire Prevention Ordinance Chapter 58, sec. 307.6.2 & 307.6.2.3.
- Provide a "No Parking Fire Department Connection" sign over the Fire Department Connection.
- Provide a sign above the FDC indicating that they FDC supplies water to the entire structure with a map of the outline of the structure.
- Exit doors shall remain free of obstruction at all times. Provide guard posts or other acceptable means of protecting exit doors opening onto drives and parking areas.
- FDC's shall not be obstructed by landscaping, parking, or by any other permanent or temporary materials or devices.
- If the Fire Department Connection is not located on the street of the building, a white/clear strobe light shall be tied into the fire alarm system and installed over the FDC.

C:\2021\053\dwg\Bebb Oak Site Plan.dwg, File8, 3/17/2023 8:12:28 AM

DATE	ISSUE
8-13-2021	ADDED HYDRANTS FOR FIRE DEPT. (8-13-2021)
9-24-2021	REVISED ENTRANCE APPROACHES PER CLIENT (9-8-2021)
11-15-2021	ADDED PATH DRAG & SIGN LINES PER CITY/PC (10-22-2021)
11-30-2021	REVISE & ENTRANCE/DRIVING ZONE/DRUMS PER CLIENT (11-22-2021)
11-19-2021	REVISED PER CITY (12-21-2021), PER MOOT (1-17-2022)
2-24-2022	REVISED PER CITY (2-15-2022)
3-17-2022	REVISED PER CITY (3-15-2022)

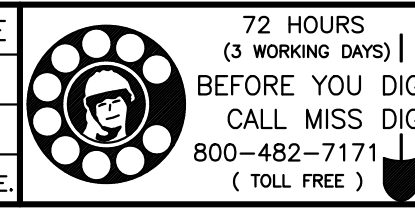
Developer/Contractor
OYK ENGINEERING & CONSTRUCTION
30700 TELEGRAPH ROAD, SUITE 2665
BINGHAM FARMS, MICHIGAN 48025
(248) 656-7695 FRED HADID

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KIEFT ENGINEERING, INC.
PROFESSIONAL ENGINEERS AND PROFESSIONAL SURVEYORS
5852 SOUTH MAIN STREET, SUITE 1, CLARKSTON, MICHIGAN 48346
PHONE (248) 625-5251 www.kiefteng.com FAX (248) 625-7110

DATE	CKD. BY	DATE
3-17-2021		
DRAWN GF		
DESIGN PCM		
SECTION 27	T- 3 -N- R- 11 -E	

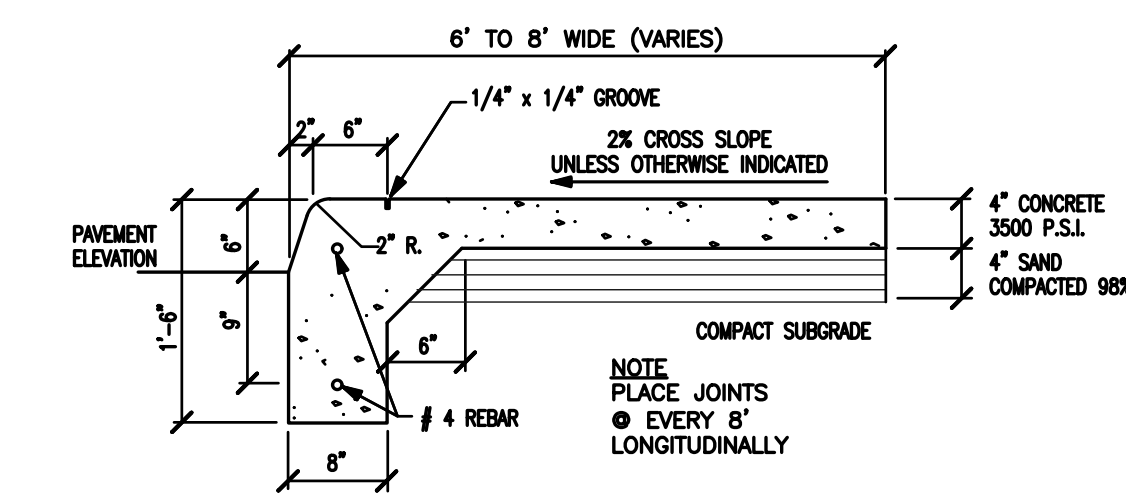


Fire Protection Plan
"BEBB OAK MEADOWS" MIXED USE DEVELOPMENT
PART OF THE SE 1/4 OF SECTION 27, T3N, R11E,
CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

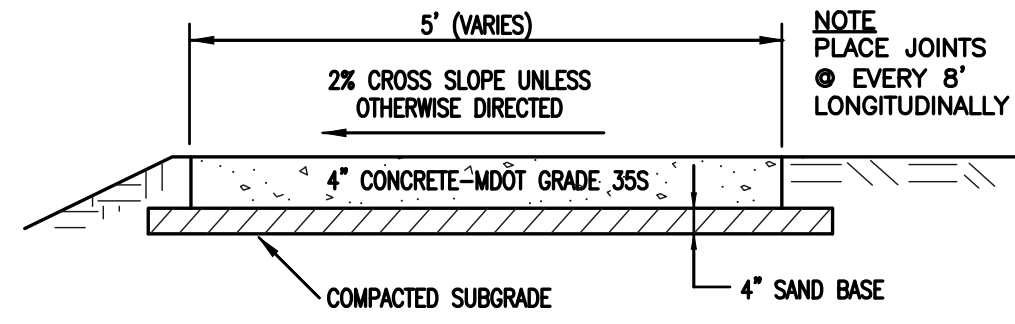
SCALE 1" = 30'
SHEET 8 OF 11
KE 2021.053



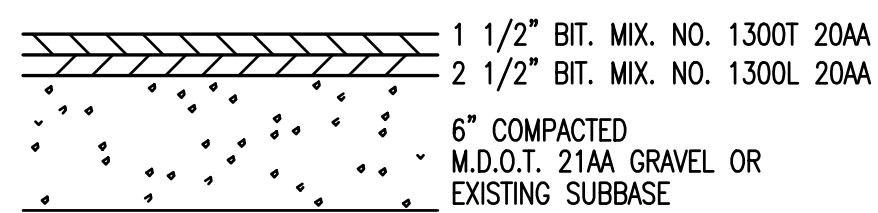
City File #21-008, Section 27



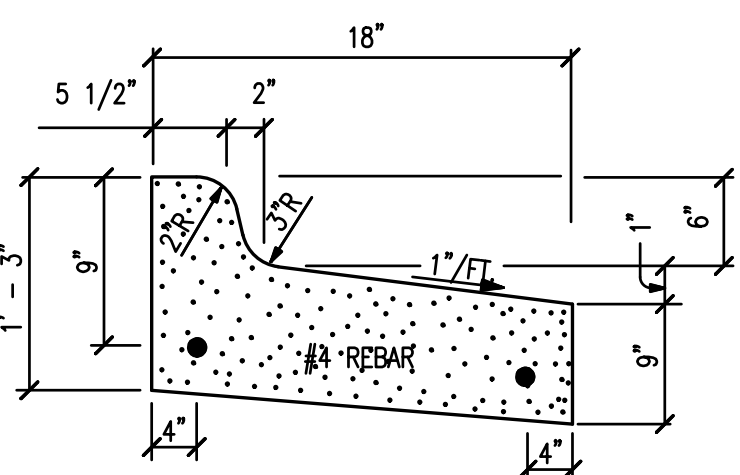
INTEGRAL CURB & WALK
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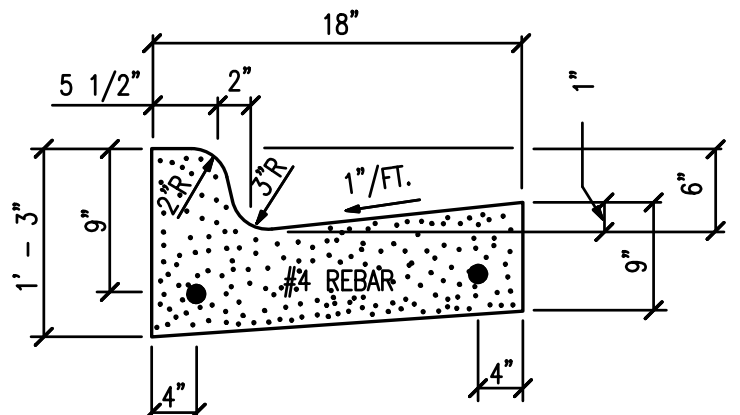
CONCRETE SIDEWALK (ON-SITE)
NO SCALE



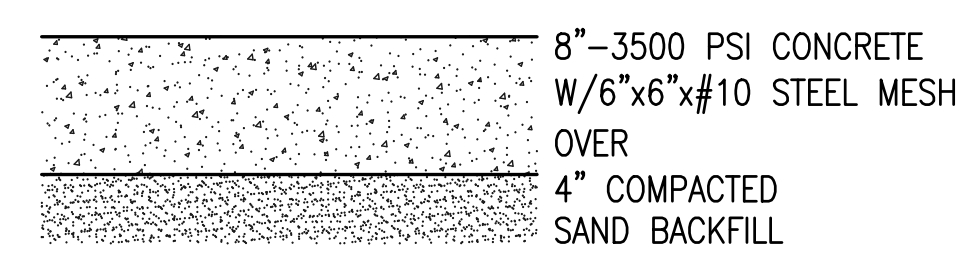
PAVEMENT SECTION-ONSITE
NO SCALE



STRAIGHT FACED CURB AND GUTTER (REVERSE)
NO SCALE



STRAIGHT FACED CURB AND GUTTER
NO SCALE



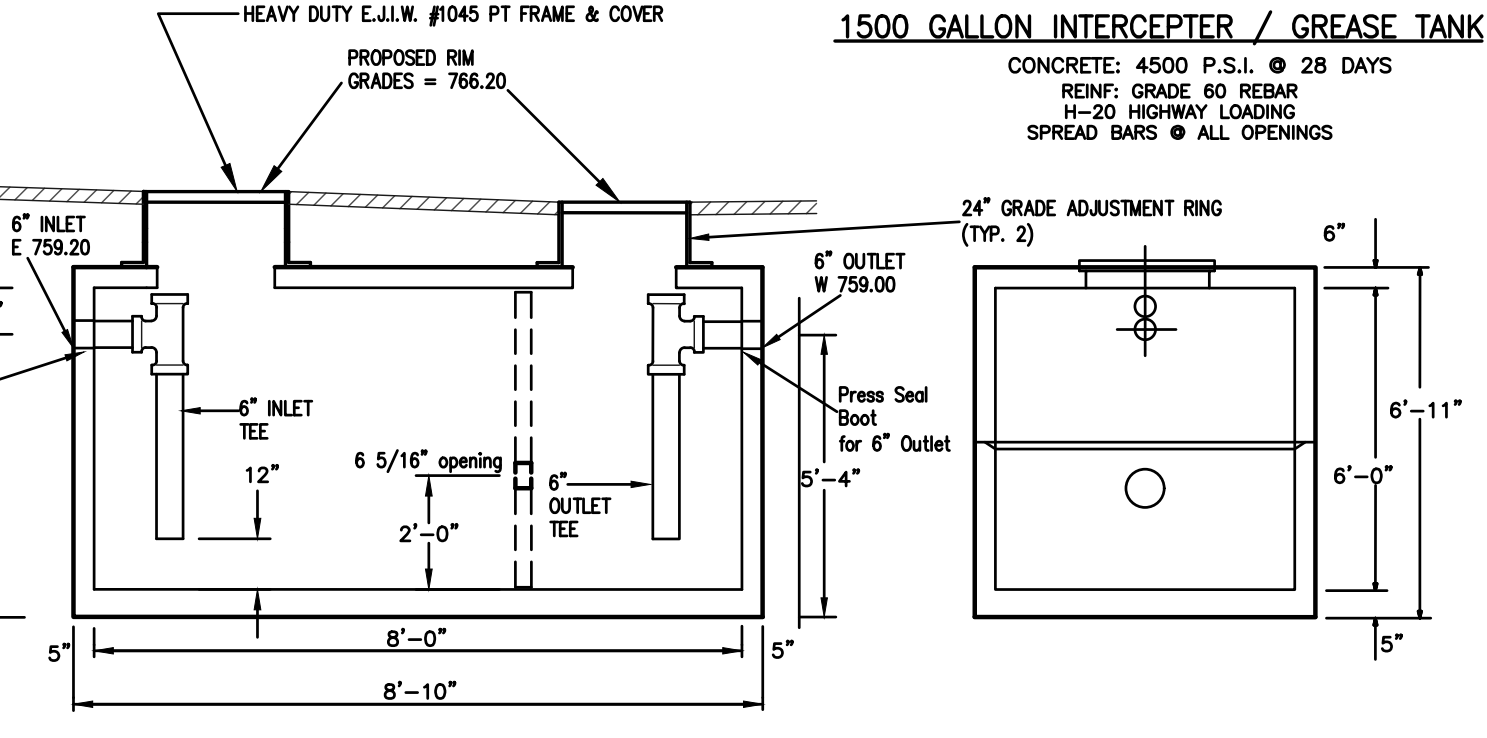
8" Concrete Pad Detail

ON-SITE SANITARY SEWER DESIGN

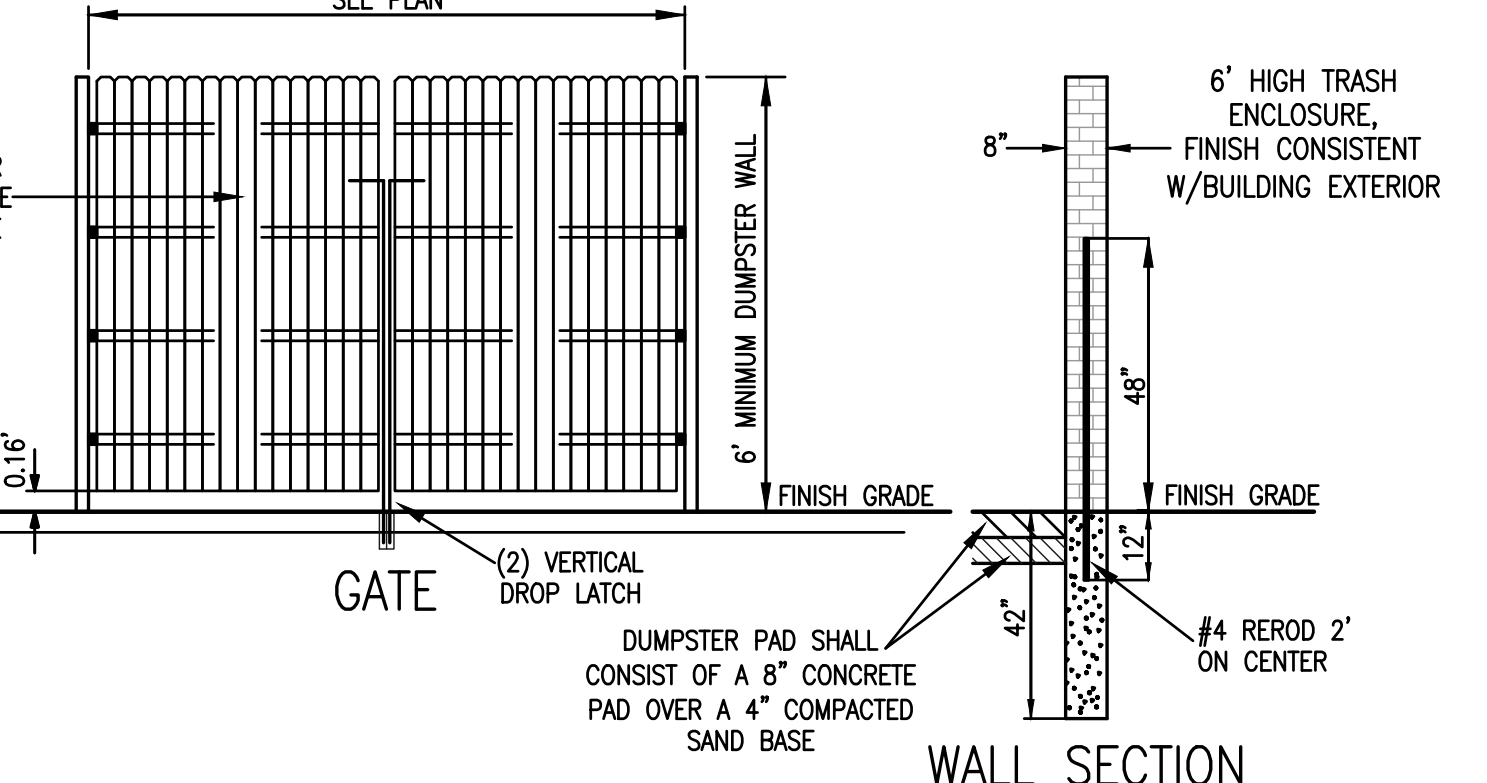
APARTMENT BUILDING: 93 UNITS
UNIT FACTOR = (0.60/UNIT) x (93 UNITS) = 55.8
GENERAL RETAIL BUILDING: 9,660 SF
UNIT FACTOR = (0.04/1000 SF) x (9,660 SF) = 0.39
DRIVE-THRU RESTAURANT: 3,782 SF
UNIT FACTOR = 1.00
TOTAL UNIT FACTOR = 55.8+0.39+1.00 = 57.19 = 58
THUS, (58 UNIT FACTOR)(2.44 PERSONS/UNIT FACTOR) = 142 PERSONS

SANITARY DESIGN

"AVERAGE FLOW"
142 PERSONS x 100 GPCD = 14,200 GPD = 0.0142 MGD
x 1.55 (conversion)
Q = 0.0220 CFS
"PEAK FLOW"
142 PERSONS/1000 = 0.142
Q = 100 x (18 + √P)/(4 + √P) = 419.87 GPCD
142 PERSONS x 419.87 GPCD = 59,621.54 GPD = 0.059621 MGD
x 1.55 (conversion)
Q = REQUIRED = 0.0924 CFS
NOTE: AN 8" TRUSS PIPE @ 0.40% (MINIMUM) CAN CARRY 0.765 CFS @ 2.19 FPS
A 10" TRUSS PIPE @ 0.30% (MINIMUM) CAN CARRY 1.19 CFS @ 2.19 FPS



1500 GALLON HEAVY DUTY GREASE TRAP INTERCEPTOR



Dumpster Detail
NOT TO SCALE

Project: Mixed Use Development
Location: Rochester Hills, MI
Prepared For: Kieft Engineering, Inc.



Purpose: To calculate the first flush runoff flow rate (WQF) for a given site area. In this situation the WQV to be analyzed is the runoff produced by the first 0.5" of rainfall.

Reference: United States Department of Agriculture Natural Resources Conservation Service TR-55 Manual

Structure Name	A (acres)	A ^{0.75} (acres ^{0.75})	Runoff Coefficient	P ₁ (%)	L ₁ (min)	L ₂ (hr)
WQU	4.71	0.00736	0.79	81.67	15.0	0.250

Procedure: The Water Quality Flow (WQF) is calculated using the Water Quality Volume (WQV). This WQV, converted to watershed inches, is substituted for the runoff depth (Q) in the Natural Resources Conservation Service (formerly Soil Conservation Service), TR-55 Gr.

1. Compute WQV in watershed inches using the following equation:
WQV = P * R
where:
WQV = water quality volume (watershed inches)
P = design precipitation (inches)
R = volumetric runoff coefficient = (0.05 + 0.009I)
I = percent impervious cover

Structure Name	Percent Imp. (%)	R (in)	P (in)	WQV (in)	WQV (CF)
WQU	81.67	0.785	0.5	0.3925	6,710.69

2. Compute the NRCS Runoff Curve Number (CN) using the following equation, or graphically using Figure 2-1 from TR-55 (USDA, 1986):
CN = 1000 / (10 - SP + 10Q + 0.05Q^2 + 1.25SP)^0.7
where:
CN = Runoff Curve Number
P = design precipitation (inches)
Q = runoff depth (watershed inches)

Structure Name	Q (in)	CN
WQU	0.3925	86.96

3. Using computed CN, read initial abstraction (I_a) from Table 4-1 in Chapter 4 of TR-55; compute I_a/P, interpolating when appropriate.

Structure Name	I _a (in)	I _a /P
WQU	0.041	0.082

4. Compute the time of concentration (T_c) in hours and the drainage area in square miles. A minimum T_c of 0.167 hours (10 minutes) should be used.

Structure Name	T _c (hr)	A (miles ²)
WQU	0.250	0.00736

5. Read the unit peak discharge (q_u) from Exhibit 4-II in Chapter 4 of TR-55 for appropriate T_c for type II rainfall distribution.

Structure Name	T _c (hr)	I _a /P	q _u (csm/in)
WQU	0.250	0.082	731

6. Substituting WQV (watershed inches) for runoff depth (Q), compute the water quality flow (WQF) from the following equation:
WQF = (q_uI_a)^0.7
where:
WQF = water quality flow (cfs)
q_u = unit peak discharge (csm²/inch)
I_a = drainage area (mi²)
Q = runoff depth (watershed inches)

Structure Name	q _u (csm/in)	A (miles ²)	Q (in)	WQF (cfs)
WQU	731	0.00736	0.3925	2.11

Estimated Net Annual Solids Load Reduction Based on the Rational Rainfall Method

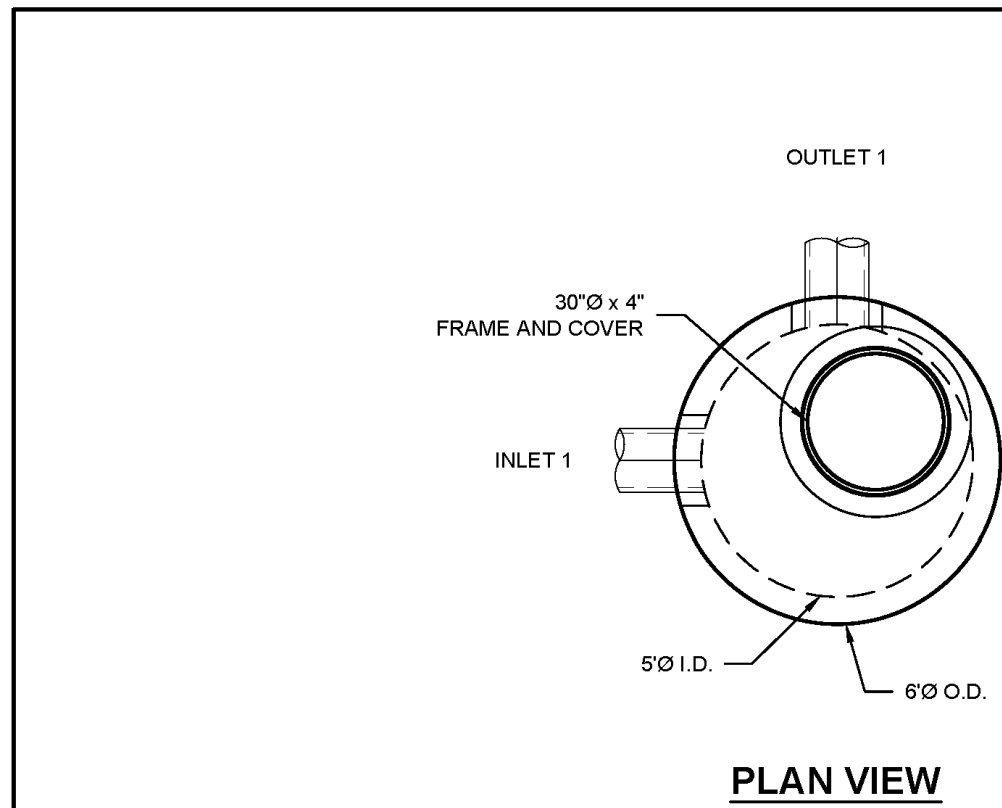
Mixed Use Development
Rochester Hills, MI
Water Quality Unit

AREA (acres): 4.71
WEIGHTED C: 0.79
T_c (minutes): 15

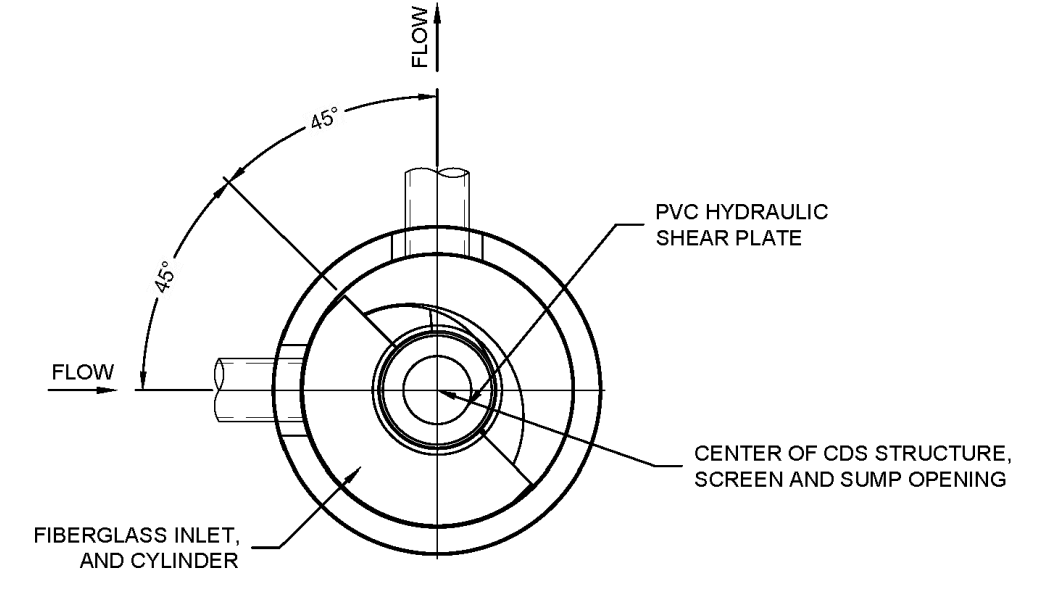
CDS MODEL: 2025
PARTICLE SIZE (µm): 110

Rainfall Intensity (in/hr)	Percent Rainfall Volume ¹	Cumulative Rainfall Volume	Total Flowrate (cfs)	Removal Efficiency (%)	Incremental Removal (%)
0.02	13.13%	13.13%	0.07	100.00	13.13
0.04	11.26%	24.39%	0.15	99.17	11.27
0.06	10.09%	34.48%	0.22	98.07	9.88
0.08	7.49%	42.11%	0.30	96.96	7.28
0.10	7.01%	49.11%	0.37	95.86	6.72
0.12	5.37%	54.48%	0.45	94.75	5.09
0.14	4.73%	59.21%	0.52	93.65	4.43
0.16	4.13%	63.33%	0.60	92.54	3.82
0.18	3.53%	66.8%	0.67	91.44	3.23
0.20	2.99%	69.79%	0.74	90.33	2.70
0.25	5.50%	75.29%	0.93	87.57	4.62
0.30	4.47%	79.76%	1.12	84.81	3.79
0.35	3.85%	83.61%	1.30	82.04	3.16
0.40	2.16%	85.8%	1.49	79.3	1.7
0.45	2.09%	87.8%	1.67	74.2	1.6
0.50	1.31%	89.2%	1.86	66.8	0.9
0.75	5.07%	94.2%	2.79	44.5	2.3
1.00	2.56%	96.8%	3.72	33.4	0.9
1.50	2.50%	99.4%	5.58	22.3	0.6
2.00	0.81%	99.9%	7.44	16.7	0.1
2.54	0.15%	100.0%	9.45	13.1	0.0
					87.21

1 - Based on Rainfall Data from DETROIT METRO AP Station
2 - Reduction due to use of 60-minute data for a site that has a time of concentration less than 30-minutes.



PLAN VIEW



SECTION A-A

MATERIAL LIST (PROVIDED BY CONTECH)

COUNT	DESCRIPTION	INSTALLED BY
1	FIBERGLASS INLET AND CYLINDER	CONTECH
1	2400 micron, 2" O.D. x 2.58" SEP. SCREEN	CONTECH
1	3/16 INCH PVC HYDRAULIC SHEAR PLATE *	CONTECH
1	SEALANT FOR JOINTS	CONTRACTOR
1	30" O.D. x 4" FRAME & COVER, E.J.#1600484, OR EQUIV.	CONTRACTOR

* SEE HYDRAULIC SHEAR PLATE DETAIL

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
 - CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
 - STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M308 AND BE CAST WITH THE CONTECH LOGGO.
 - IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
 - CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MAINHOLE STRUCTURE.
 - CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
 - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
 - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

STRUCTURE WEIGHT
APPROXIMATE HEAVIEST PICK = 9500 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

MAX FOOTPRINT = 06'



DATE PLOTTED: 11/15/2021 10:14 AM



C:\2021\05\Jung\Bldg Oak Site Plan.dwg, Cal10, 11/15/2021 2:59:35 PM

DATE	REVISION	ISSUE
3-19-2021	REVISED PER ARCHITECT	
5-12-2021	REVISED PER CITY (4-15-2021)	
6-30-2021	NO CHANGES	
11-15-2021	ADDED PATH DETAIL & SIGHT LINES PER CITY/HRC (10-22-2021)	

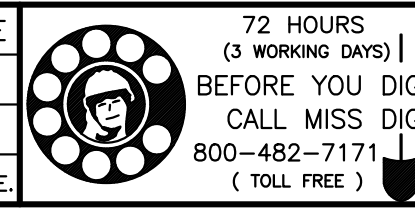
Developer/Contractor
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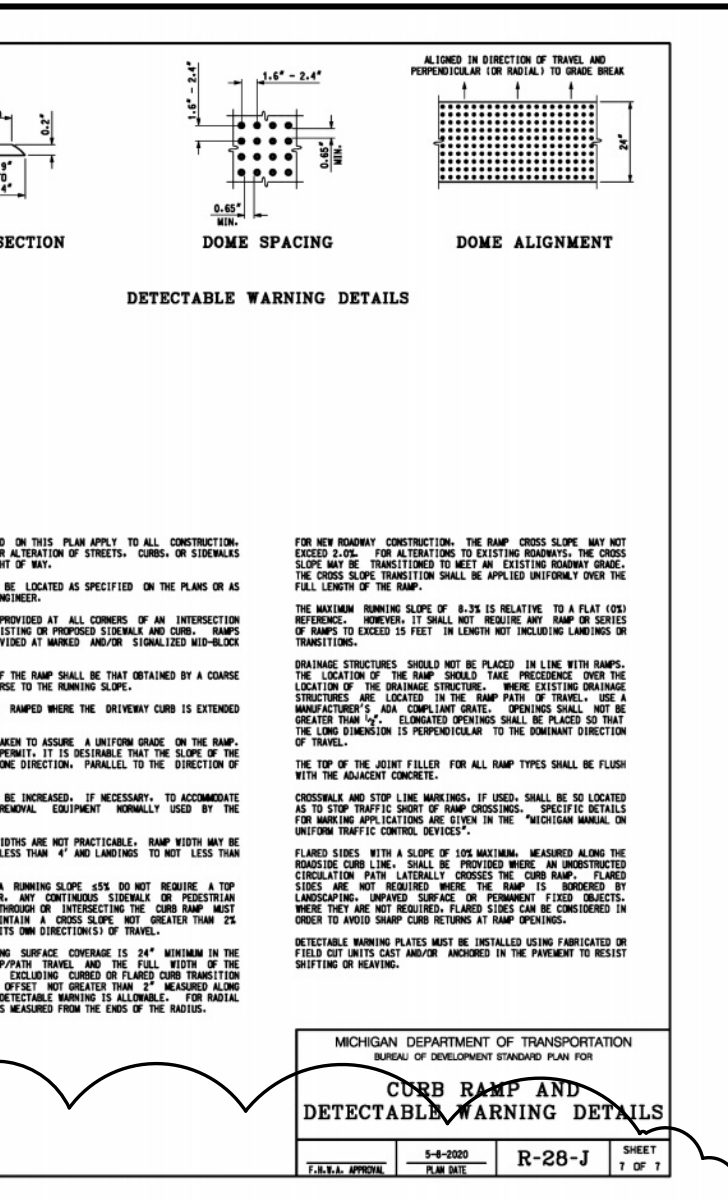
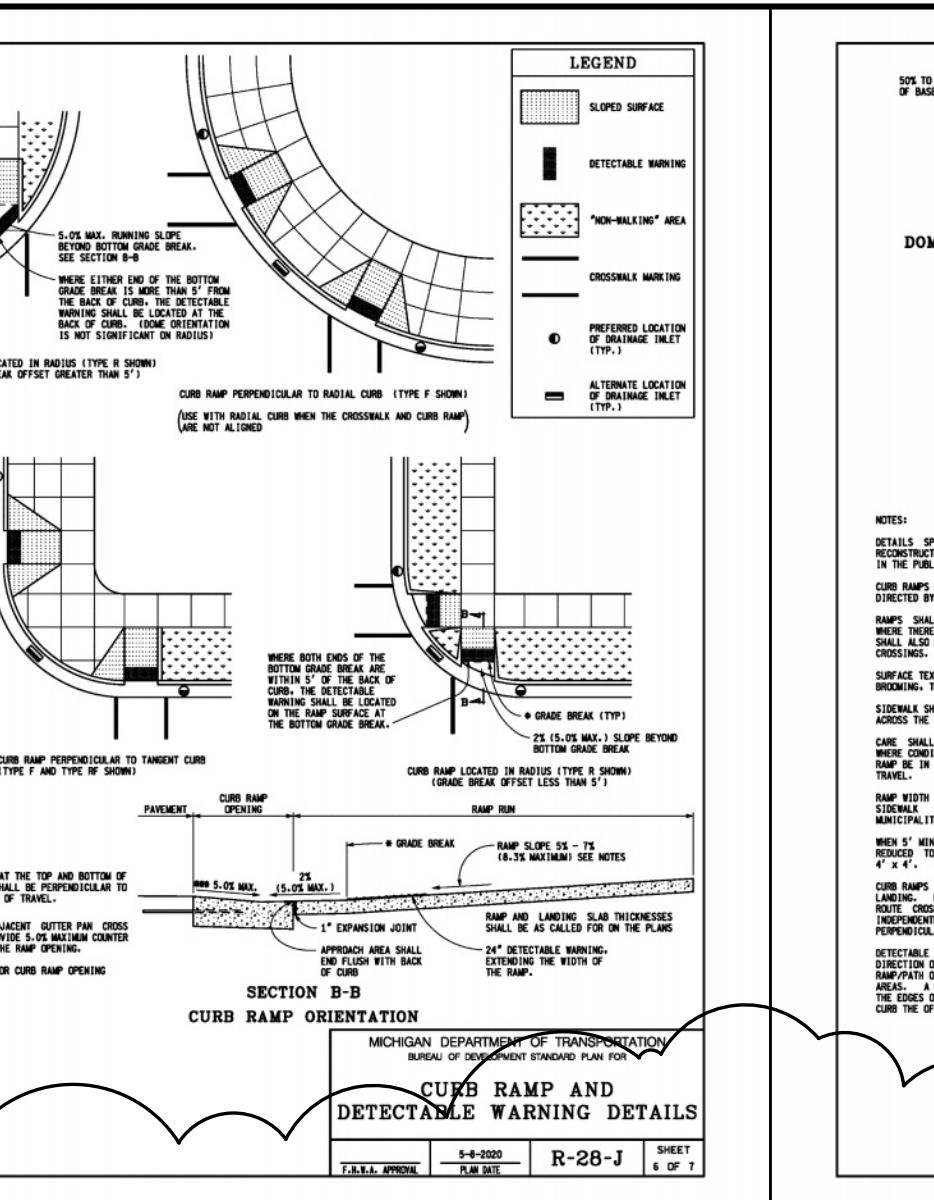
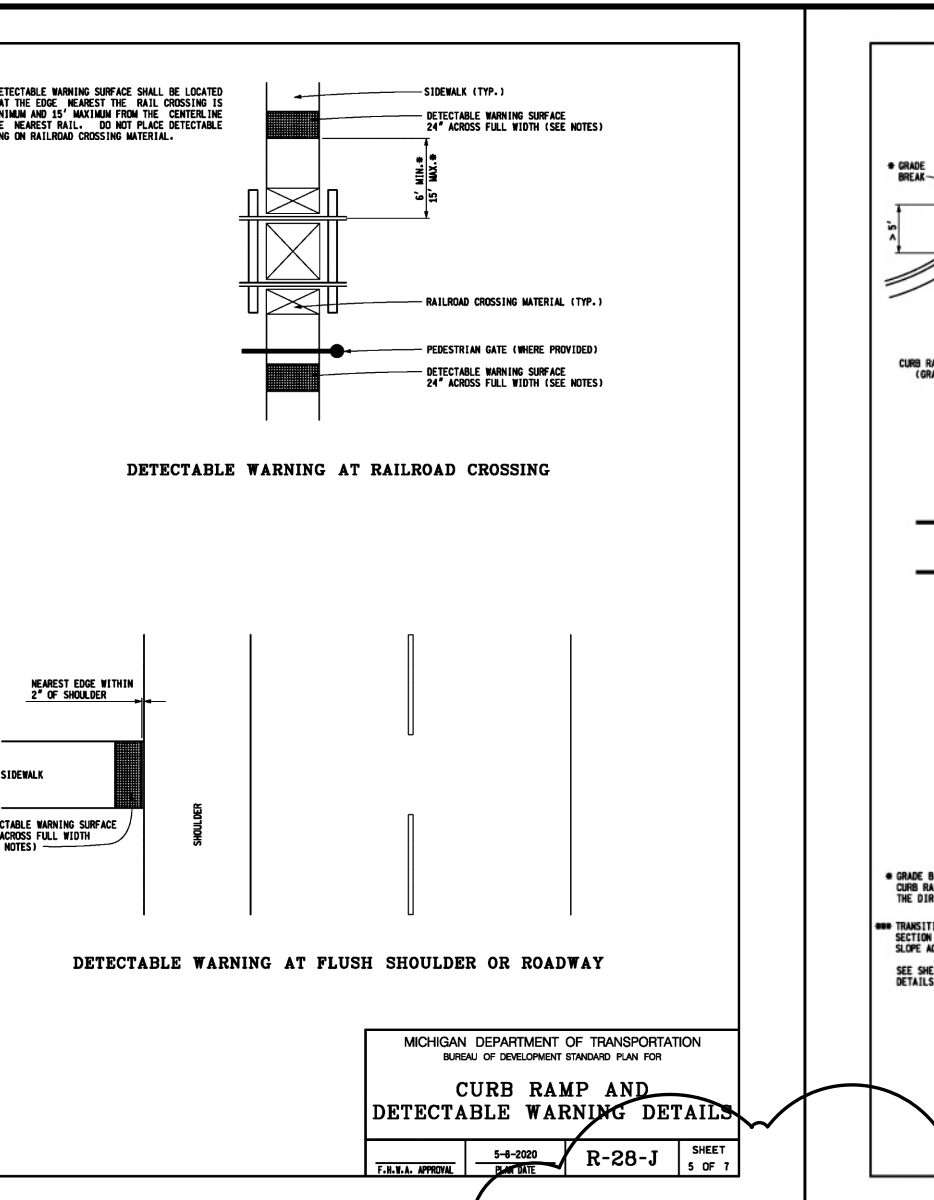
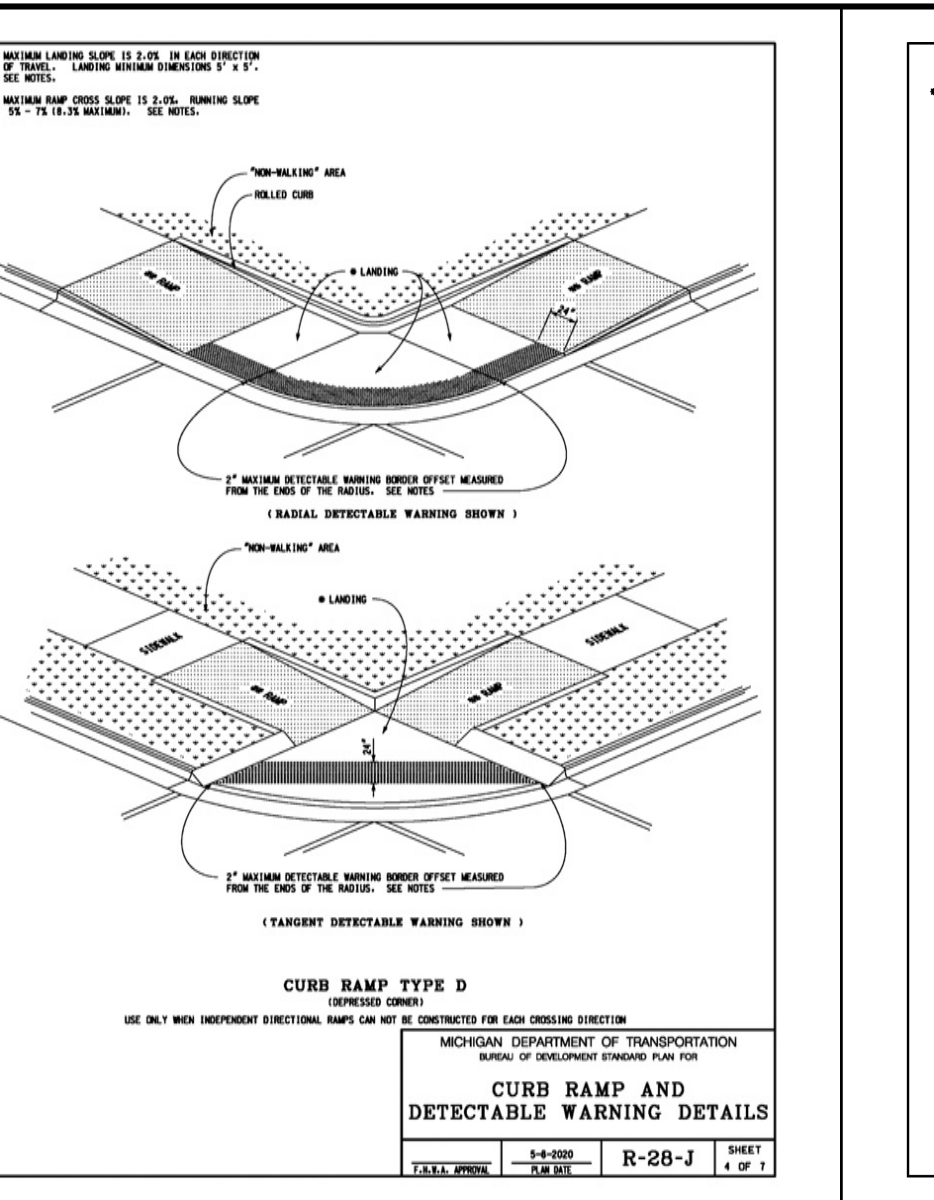
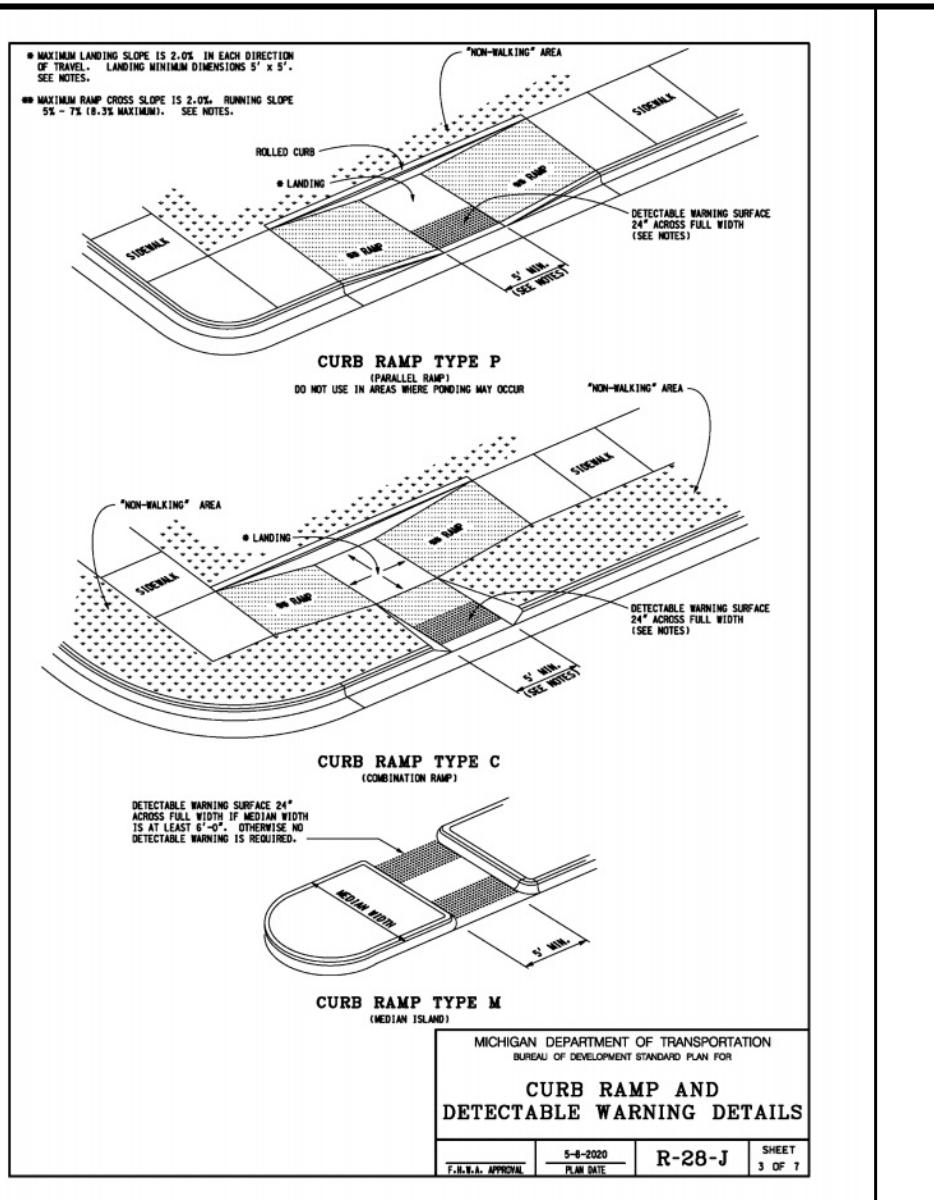
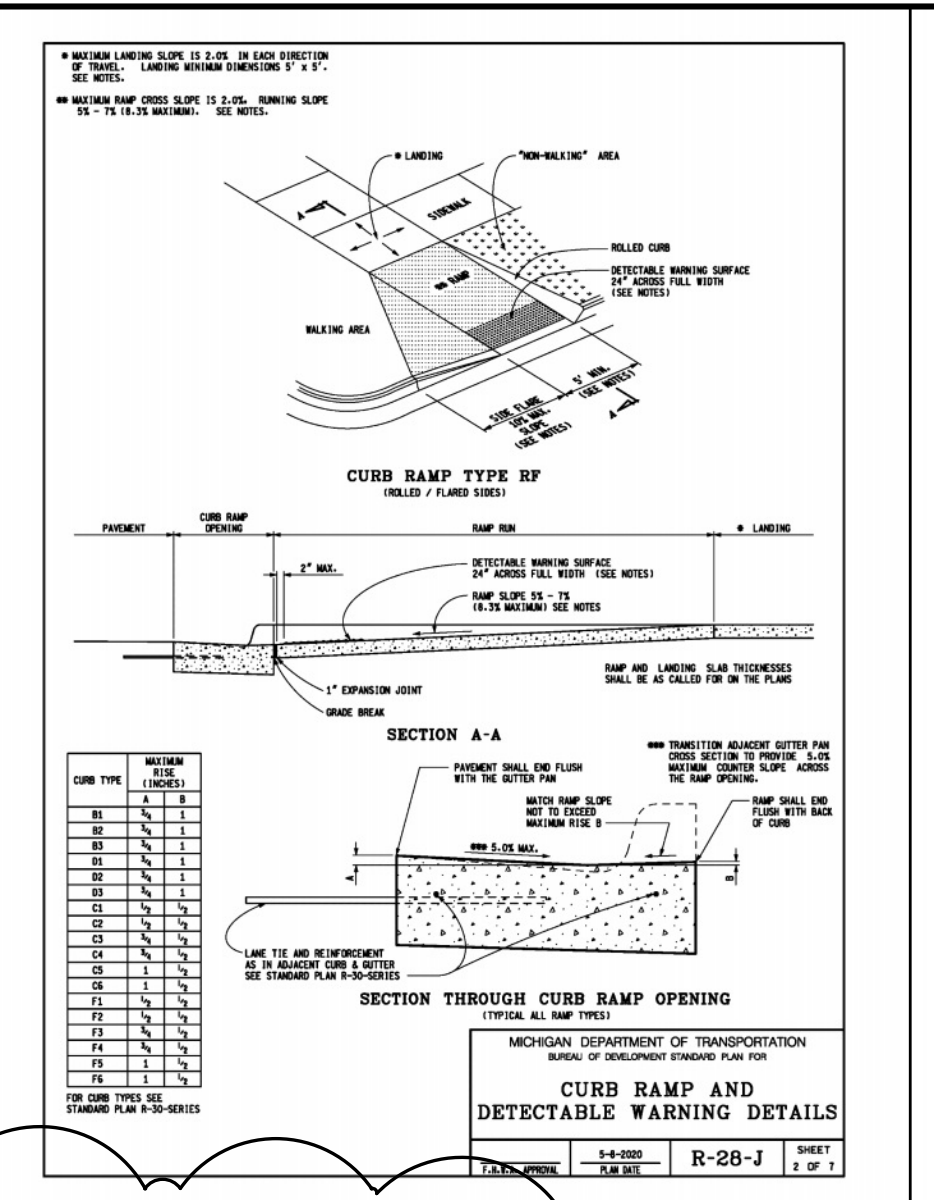
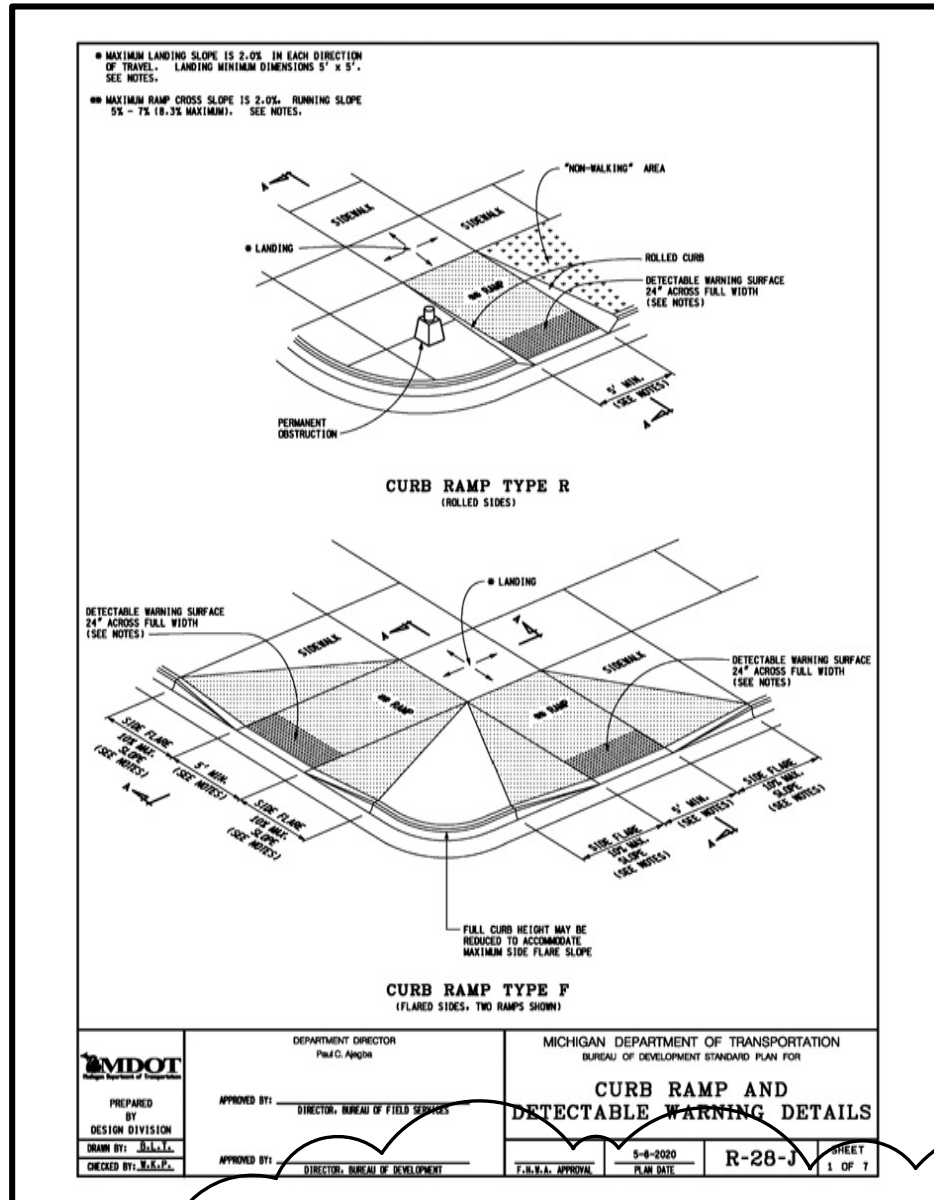
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DATE	CKD.	BY	DATE
3-17-2021			
DRAWN GF			
DESIGN PCM			
SECTION 27	T	3-N, R	11-E



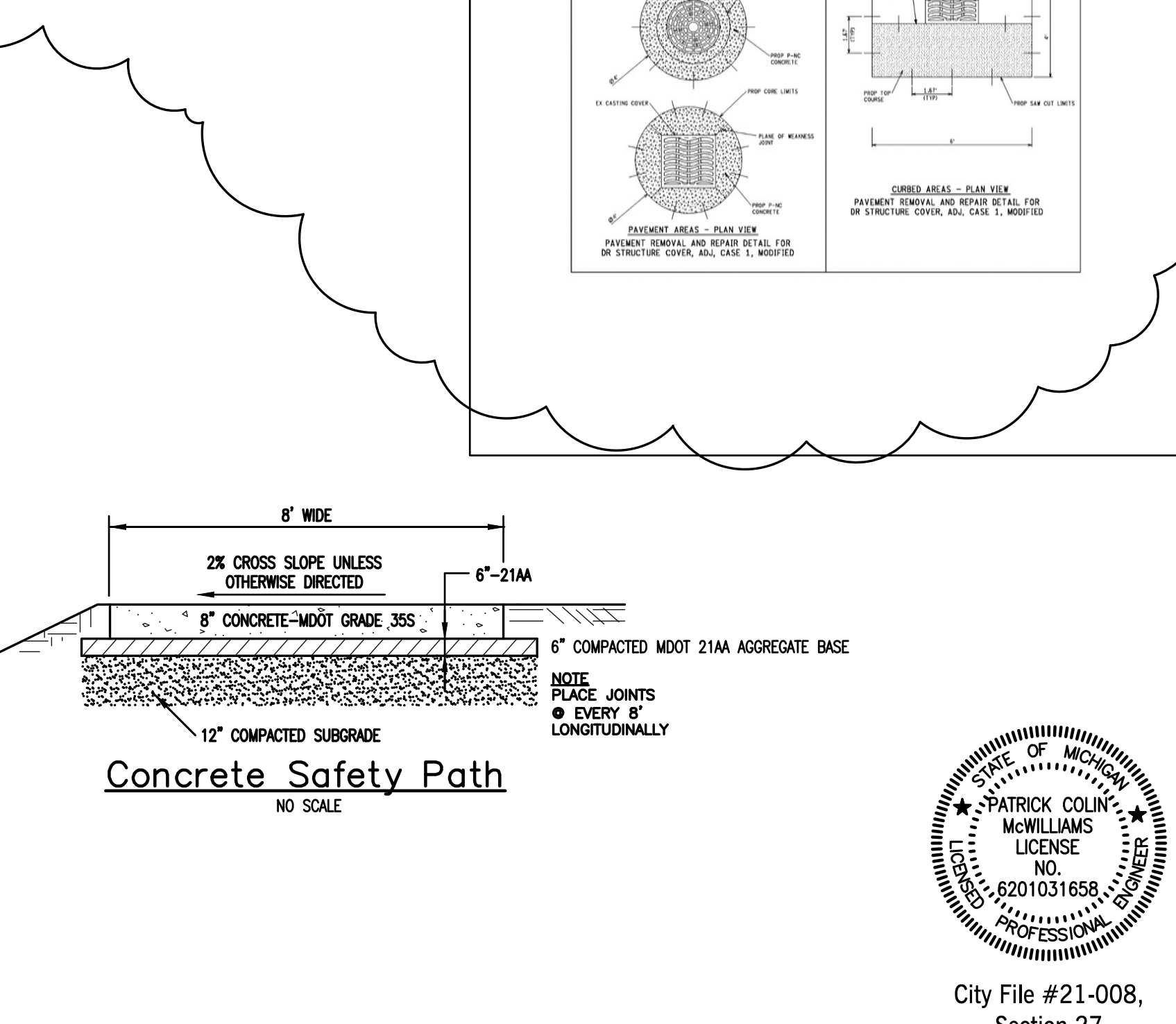
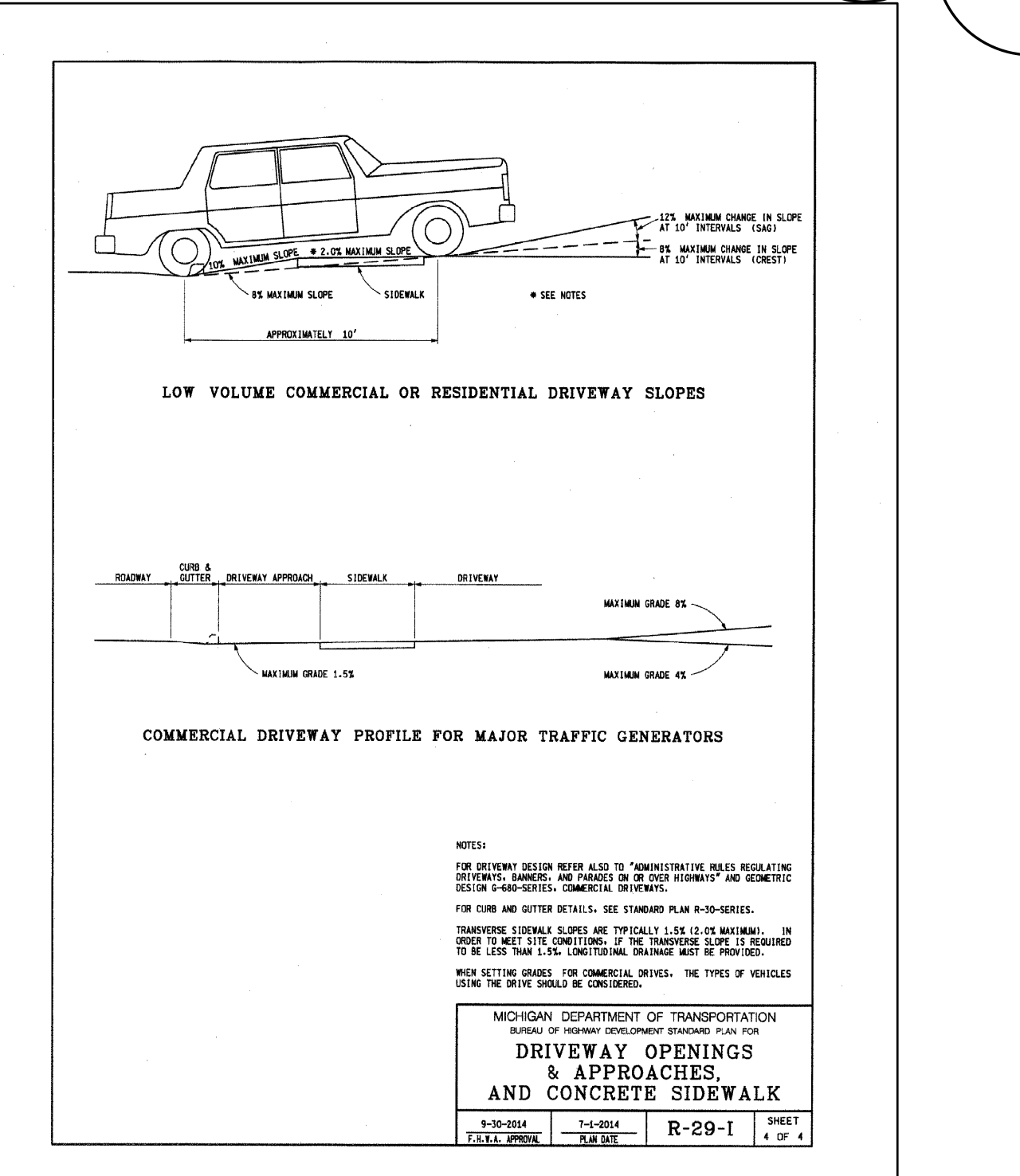
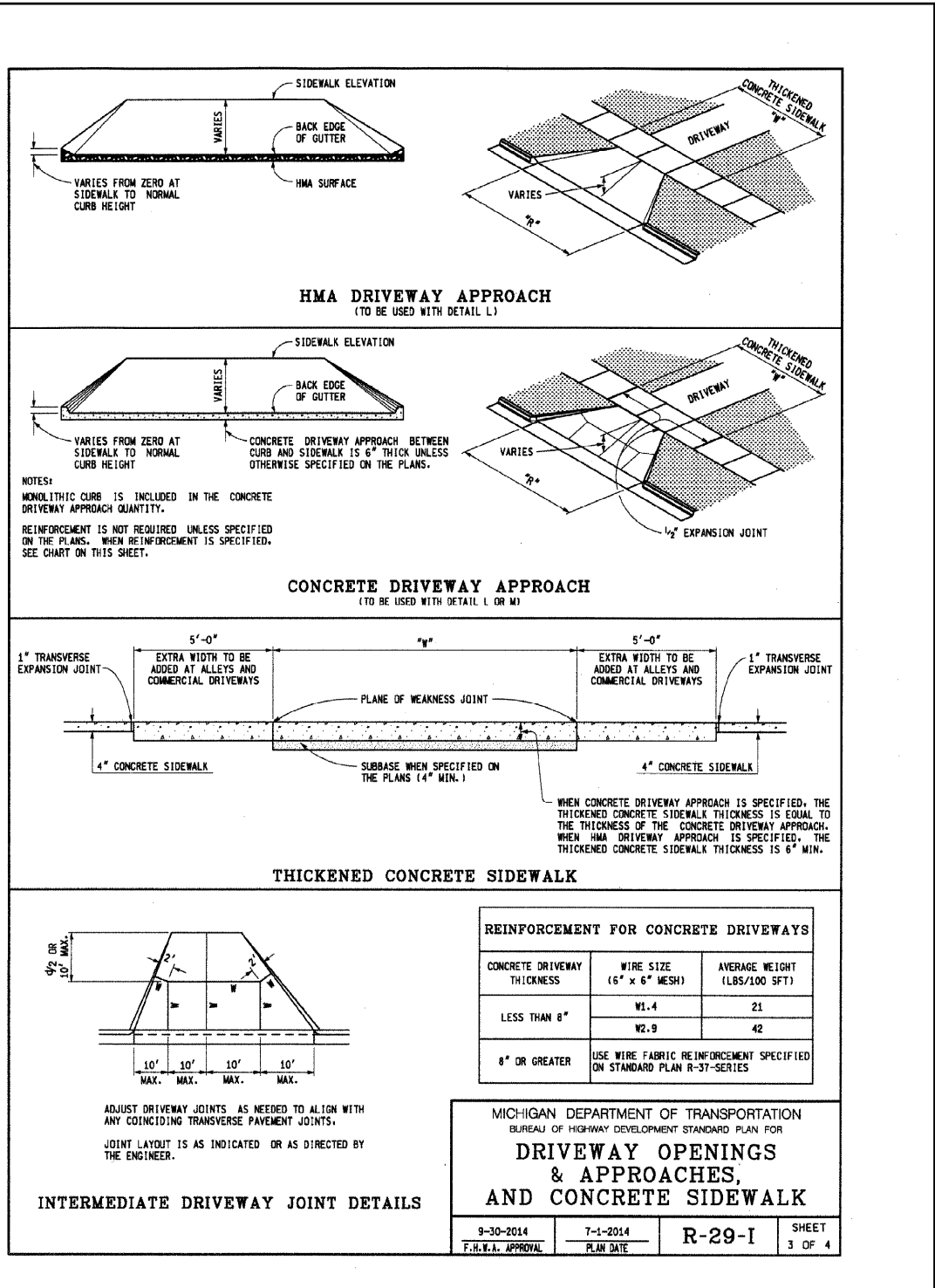
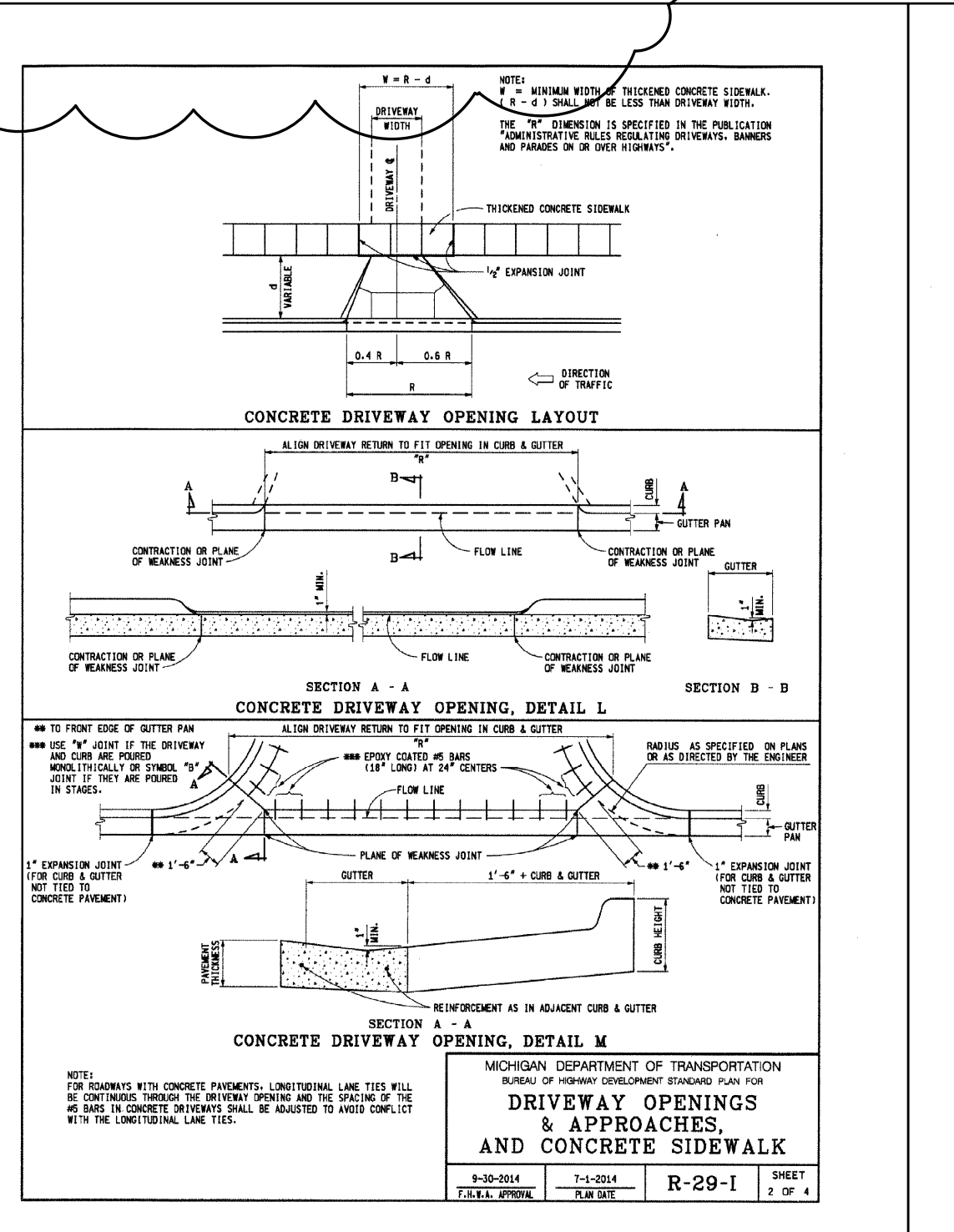
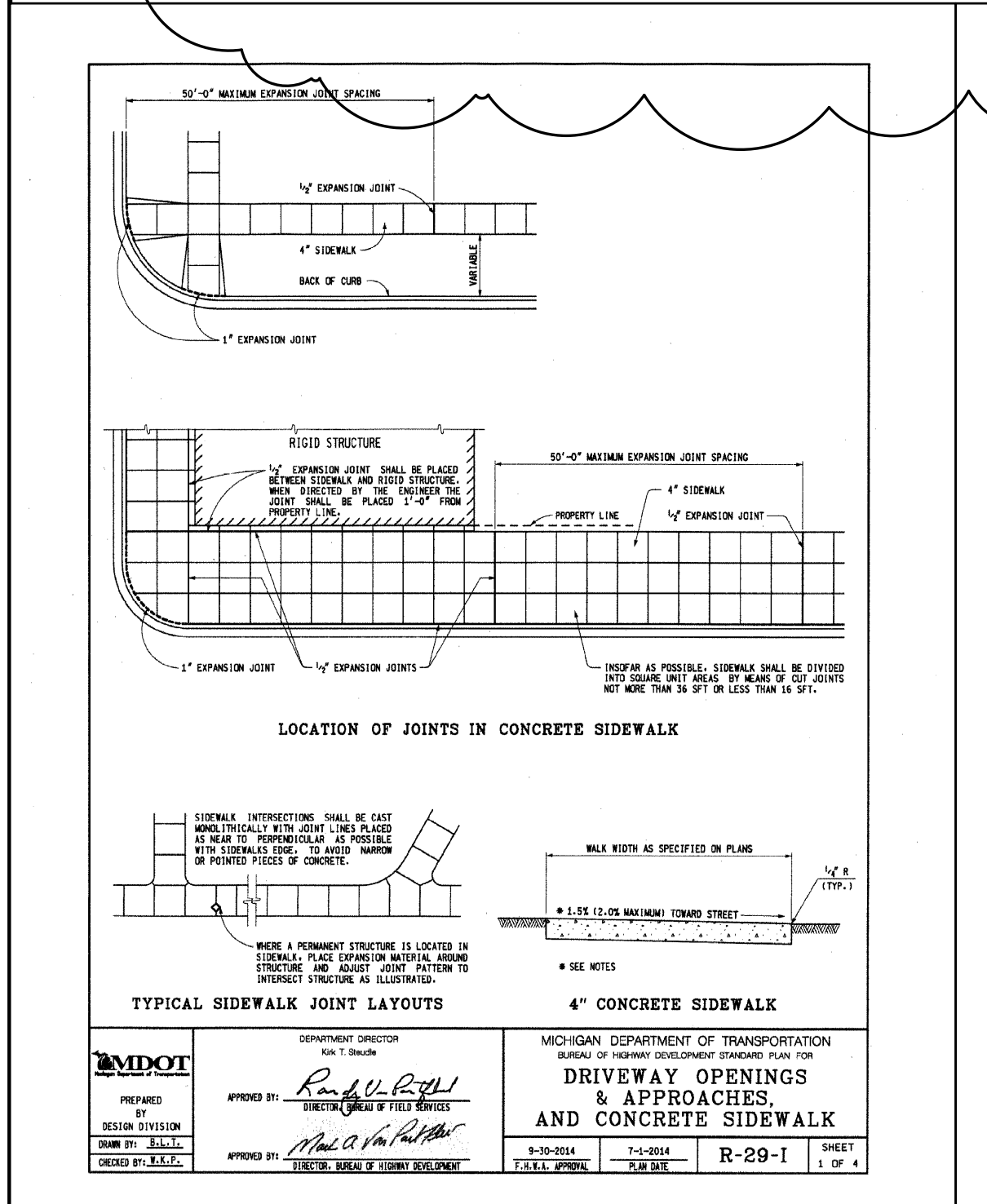
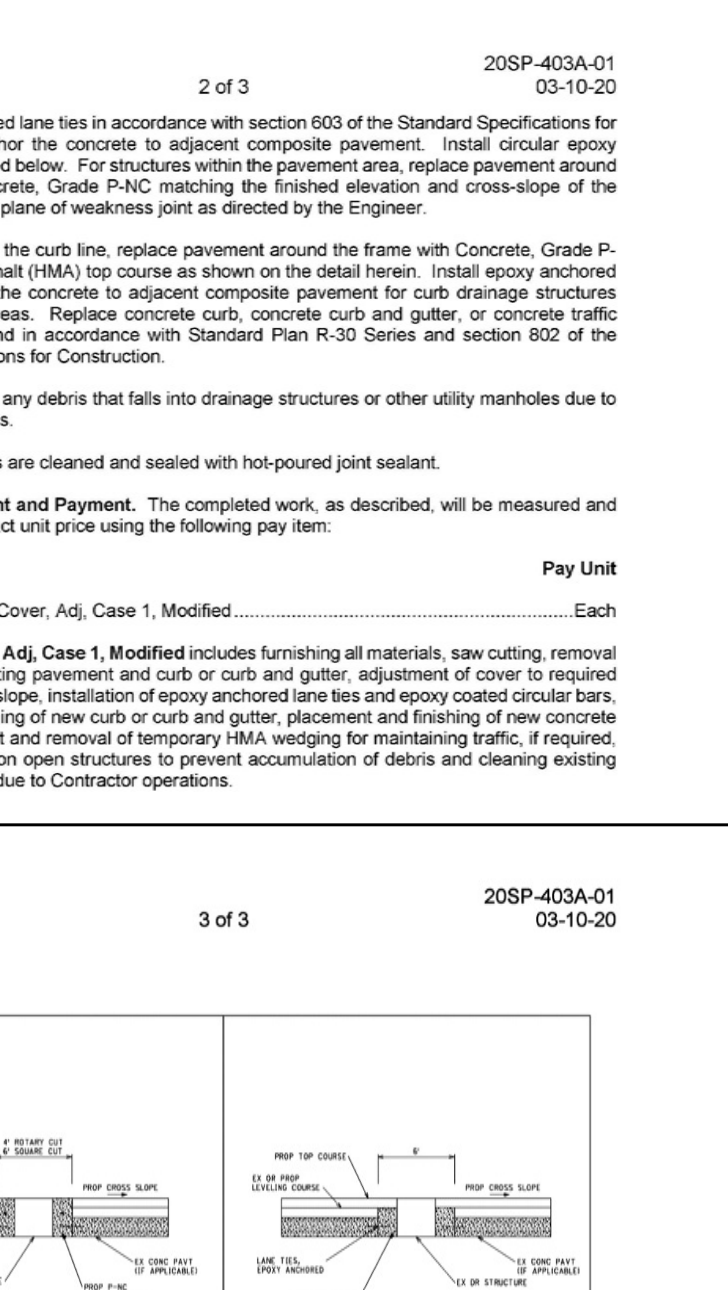
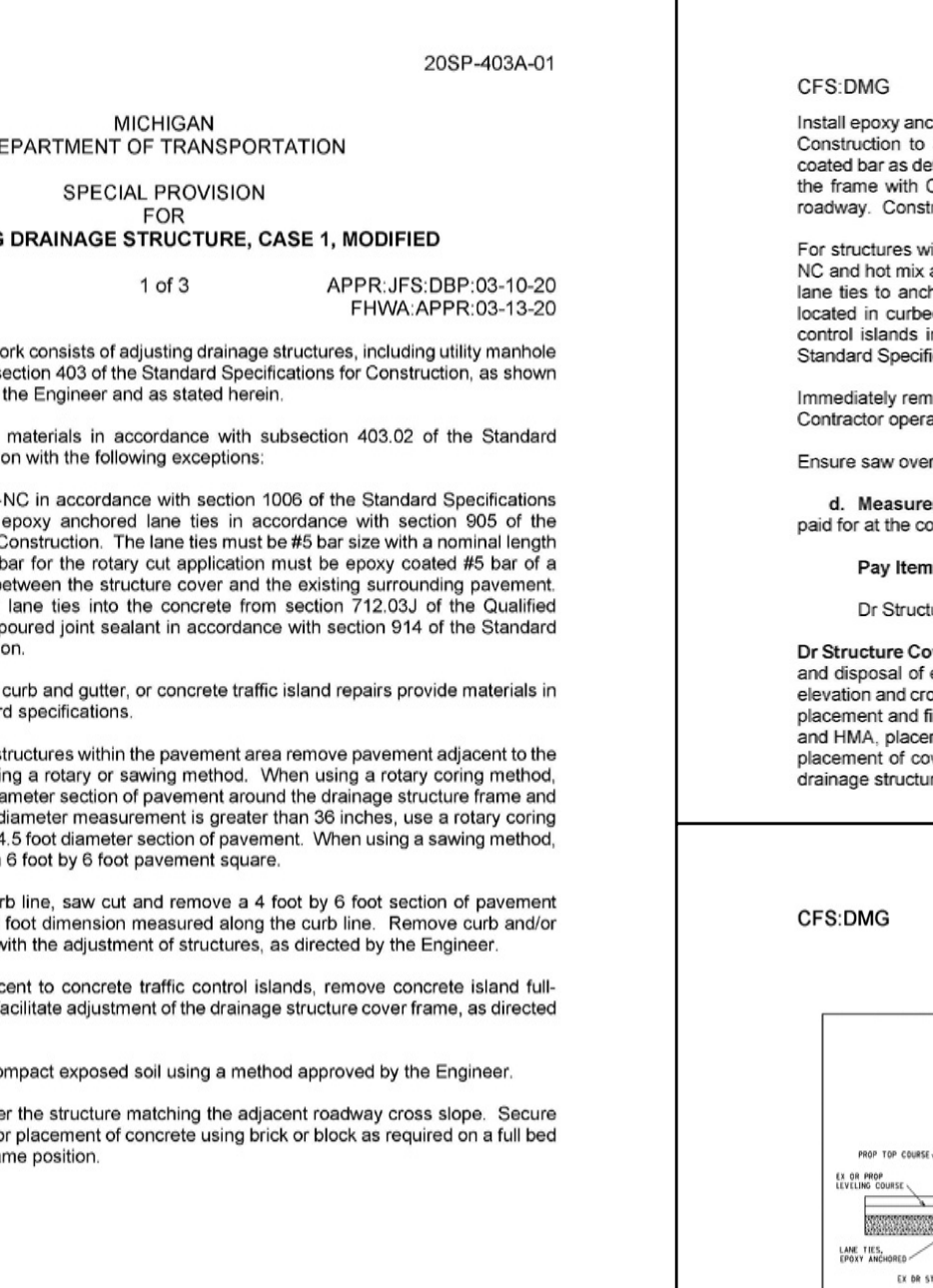
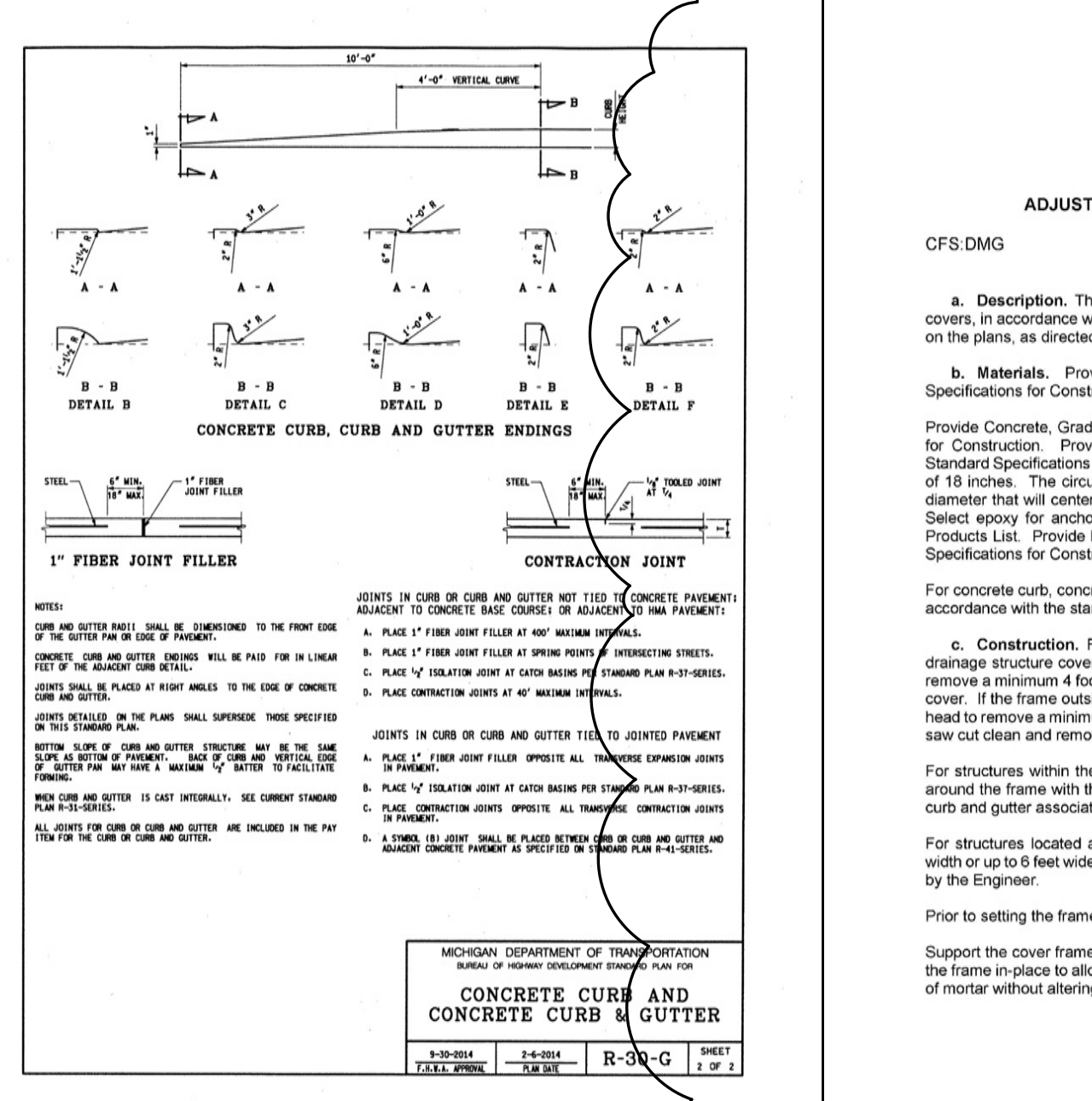
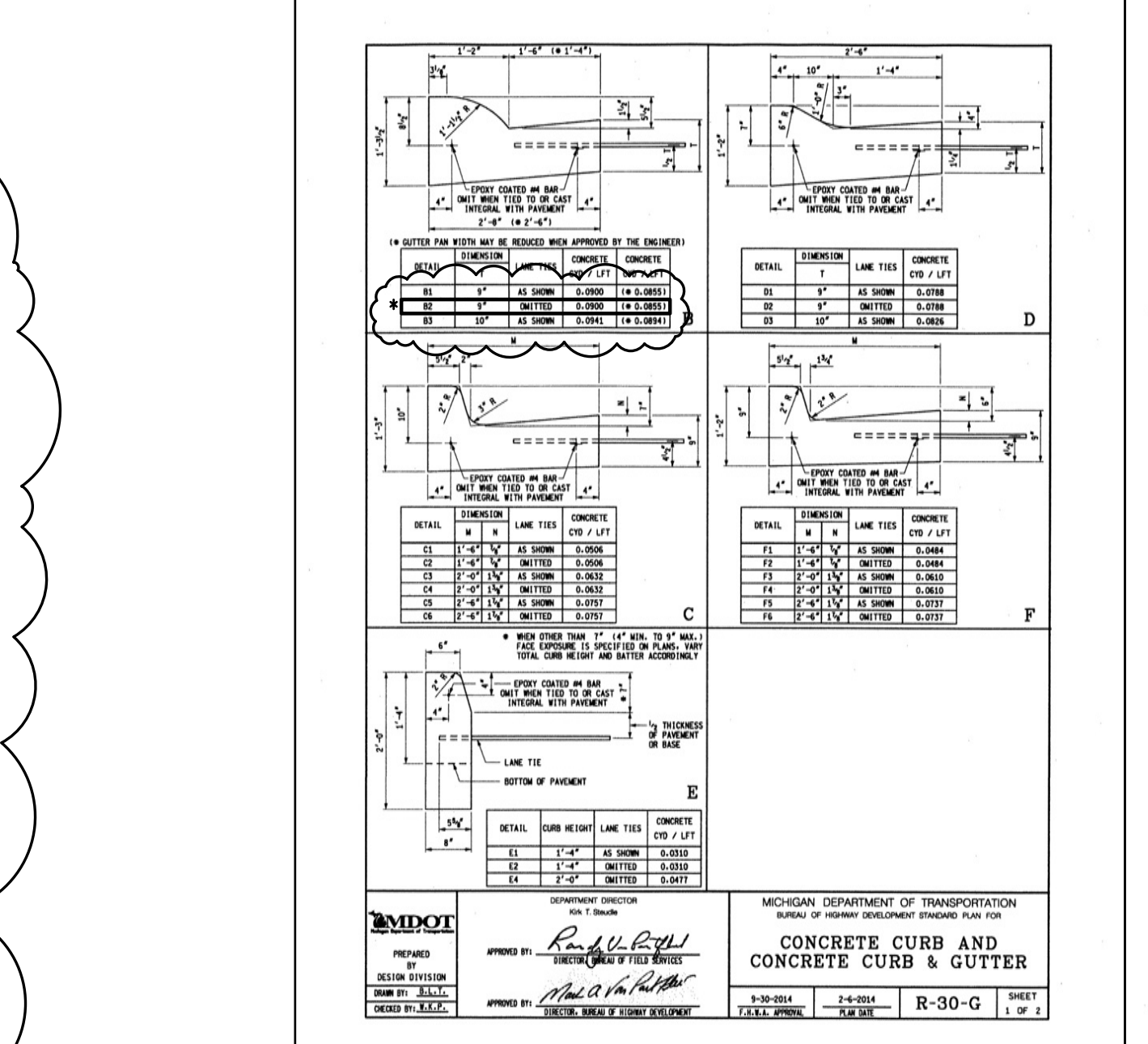
Not to be Used as Construction Drawings

Sanitary Calculations & Details
"BEBB OAK MEADOWS" MIXED USE DEVELOPMENT
PART OF THE SE 1/4 OF SECTION 27, T3N, R11E,
CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN



MDOT NOTES

- ANY REGULATORY SIGNS SHALL BE MAINTAINED.
- THE CONTRACTOR SHALL HAVE AN APPROVED PLAN AND PERMIT ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL ELECTRONICALLY SUBMIT AN ADVANCE NOTICE TO MDOT A MINIMUM OF 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
- ALL UTILITIES INCLUDING DRAINAGE FACILITIES SHALL BE LOCATED PRIOR TO EXCAVATION IN THE MDOT RIGHT-OF-WAY.
- THE SIDEWALK SHALL BE MADE TO GO THRU THE DRIVE APPROACH AND NOT RAMPED DOWN.
- LABEL THE MDOT ROW LINE ON ALL PLAN SHEETS.
- NO ADVERTISING ALLOWED IN MDOT ROW.
- ALL UTILITY WORK (GAS, ELECTRIC, PHONE, ETC.) WORK PROPOSED IN MDOT ROW WILL REQUIRE SEPARATE PERMITS FROM THE UTILITY COMPANY. PLEASE ADVISE ANY UTILITY COMPANIES YOU ARE WORKING WITH THAT THEY ARE REQUIRED TO PULL THEIR OWN PERMIT.
- PROVIDE CONTRACTOR INFORMATION (NAME, ADDRESS, PHONE #, EMAIL).
- SAWCUT SHALL BE ALONG THE EXISTING CURB LINE. NO BUTT JOINT TO BE SHOWN ON PLANS. ANY REQUIRED BUTT JOINT WILL BE AS DIRECTED BY THE MDOT PERMIT INSPECTOR DURING CONSTRUCTION.
- SIDEWALK SHALL BE PER R-29-I AND GO THRU THE DRIVE APPROACH
 - NO RAMPING OR RAISED DOMES AT APPROACH
 - MUST BE ADA COMPLIANT
 - LABEL GRADES AT FRONT AND BACK OF SIDEWALK TO INDICATE ADA
- MH-101 SHALL HAVE A CONCRETE COLLAR AROUND IT PER ATTACHED SP FOR STRUCTURE ADJUSTS
- REMOVE THE NOTE ON PLANS STATING "NOT TO BE USED FOR CONSTRUCTION"
- SINGLE LANE CLOSURE ALLOWED M-F FROM 9 AM TO 3 PM IN ACCORDANCE WITH MDOT TRAFFIC TYPICALS M0020 & M0240
- PROPOSED SIDEWALK PATH. MDOT RECOMMENDS A MINIMUM 4" HARD SURFACE MATERIAL BUT WILL DEFER TO THE CITY AS THEY MAINTAIN SIDEWALK
- DRIVE APPROACHES
 - PER R-29 & R-28
 - CROSS SECTION MUST BE EITHER 6" HMA (IN 3 LIFTS) ON 10" 21A/AA OR 8" P1 PLAIN CONCRETE ON 6" 21A/AA - LABEL ON PLANS
- ALL CURB AND GUTTER PER R-30
- EXISTING RIGHT TURN LANE ON NORTHERN END
 - ENTIRE TURN LANE SHALL BE REPLACED "IN-KIND" NOT JUST TO PROPERTY LINE
 - CROSS SECTION SHALL MATCH EXISTING
 - PAVEMENT TESTING AND DENSITY ARE REQUIRED
- INSURANCE - THE PERMIT APPLICANT OR THE APPLICANT'S CONTRACTOR MUST SUBMIT AN ELECTRONIC CERTIFICATE OF INSURANCE IN THE MDOT E-BOND SYSTEM BEFORE THE PERMIT CAN BE ISSUED. PLEASE ELECTRONICALLY SUBMIT MDOT CERTIFICATE OF INSURANCE FOR PERMITTED ACTIVITIES FORM 2020, WHICH REFLECTS THE INSURANCE REQUIREMENTS AND CONDITIONS. THE APPLICANT CONTRACTOR'S INSURANCE AGENT SHALL CONTACT LAURI OLSEN (MDOT LANSING PERMIT OFFICE) VIA E-MAIL AT MDOT-PerformanceBondCOI@michigan.gov OR 517-241-8503 TO REGISTER FOR THE ELECTRONIC SUBMITTAL SYSTEM.
- BOND - A \$35,000 INDIVIDUAL PERFORMANCE BOND IS REQUIRED. IF THE BOND PRINCIPAL IS NOT THE PERMIT APPLICANT, A CERTIFICATE OF AGENCY (MDOT FORM 2209) MUST BE SUBMITTED WHICH APPOINTS THE DESIRED PARTY AS AGENT TO ACT AS PRINCIPAL. THE BOND SHALL BE ELECTRONICALLY SUBMITTED IN THE MDOT E-BOND SYSTEM. YOUR INSURANCE AGENT SHALL CONTACT LAURI OLSEN (MDOT LANSING PERMIT OFFICE) VIA E-MAIL AT MDOT-PerformanceBondCOI@michigan.gov OR 517-241-8503 TO REGISTER FOR THE ELECTRONIC SUBMITTAL SYSTEM. ONCE THE BOND IS ELECTRONICALLY FILED, I WILL NEED A SIGNED AND SEALED PAPER COPY FOR THE FILE ALONG WITH THE POWER OF ATTORNEY.



DATE	ISSUE
5-12-2021	REVISED PER CITY (4-15-2021)
5-12-2021	REVISED PER CITY (4-15-2021)
6-30-2021	NO CHANGE
11-24-2021	REVISED ENTRANCE APPROACHES PER CLIENT (9-8-2021)
11-24-2021	ADDED PAVEMENT DETAIL & SIGHT LINES PER CITY/MDOT (10-22-2021)
11-18-2021	REVISED PER CITY (11-21-2021), PER MDOT (1-17-2022)

Developer/Contractor
 OYK ENGINEERING & CONSTRUCTION
 30700 TELEGRAPH ROAD, SUITE 2665
 BINGHAM FARMS, MICHIGAN 48025
 (248) 656-7895 FRED HADID

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KIEFT ENGINEERING, INC.
 PROFESSIONAL ENGINEERS AND PROFESSIONAL SURVEYORS
 5852 SOUTH MAIN STREET, SUITE 1, CLARKSTON, MICHIGAN 48346
 PHONE (248) 625-5251 www.kiefteng.com FAX (248) 625-7110

DATE	3-17-2021	KCD.	BY	DATE
DRAWN	GF			
DESIGN	PCM			
SHEET	27	T	3-N	R-11-E

MDOT Notes & Details
 "BEBB OAK MEADOWS" MIXED USE DEVELOPMENT
 PART OF THE SE 1/4 OF SECTION 27, T3N, R11E,
 CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN

SCALE N/A
 SHEET 11 OF 11
 KE 2021.053



City File #21-008, Section 27