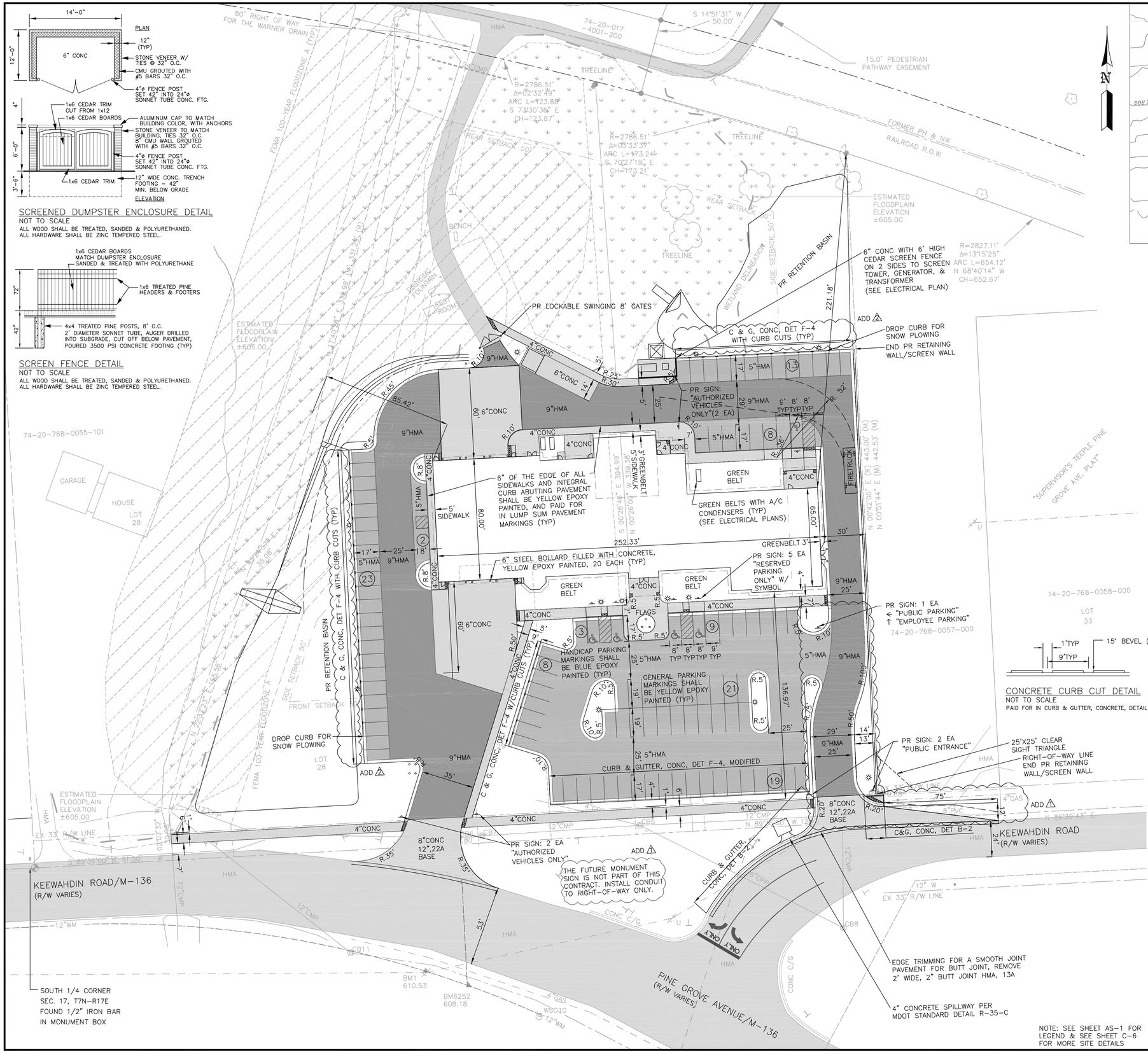
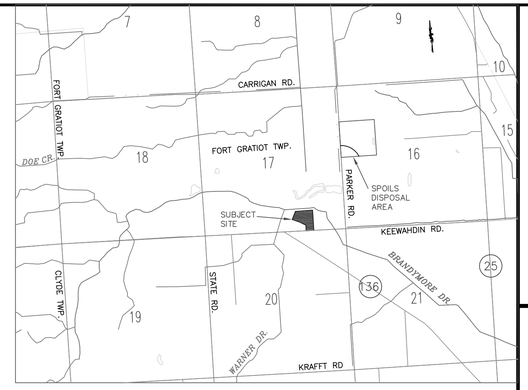




VICINITY MAP
NO SCALE

LEGAL DESCRIPTION:
74-20-768-0055-000
LOT 31 EXC E 8', LOTS 29 & 30, W 8' OF LOT 32 LYING N OF LOT 31 & THAT PART OF LOT 28 LYING E OF WARNER DRAIN SUPERVISOR'S TEEPLE PINE GROVE AVENUE PLAT EXEMPT
74-20-768-0056-000
E 8' OF LOT 31 & LOT 32 EXC W 8' LYING N OF LOT 31 SUPERVISOR'S TEEPLE PINE GROVE AVENUE PLAT

SITE PLAN DATA:

SUBJECT ZONING -	74-20-768-0055-000	R-1B RESIDENTIAL
	74-20-768-0056-000	R-1B RESIDENTIAL
ADJACENT ZONING	WEST	R-1B RESIDENTIAL
	EAST	R-1B RESIDENTIAL
	SOUTH	R-1B RESIDENTIAL
	NORTH	AG AGRICULTURAL
LAND USE:	MUNICIPAL	

LOT DIMENSIONS:	REQUIRED	PROVIDED
74-20-768-0055-000	8,400 SFT	119,647 SFT
74-20-768-0056-000	8,400 SFT	74,250 SFT
	TOTAL	193,897 (4.45 A)
BUILDING HEIGHT: REQUIRED MAX		35 FT
PROPOSED		35 FT

SETBACKS: PER SEC. 38-504 GOVERNMENT BUILDINGS

	REQUIRED	PROVIDED
FRONT	50 FEET	136.80 FEET
REAR	50 FEET	221.18 FEET
SIDE	50 FEET	30 FEET *

* VARIANCE REQUIRED

SPECIAL PROVISIONS:
OFF-STREET PARKING PER SEC. 38-619

BUILDING SIZE:	18,962 SFT
PERCENT OF USE:	80%
PARKING REQUIREMENTS:	
PLANNED OFFICE MUNICIPAL	
(1 PER EACH 150 SFT USABLE SPACE)	15,170 SFT
102	102
FIRE HALL	
(1 PER EMPLOYEE PER SHIFT)	
4	4
HANDICAP ACCESSIBLE	
(1 PER 50 STANDARD PARKING SPACES)	
3	5

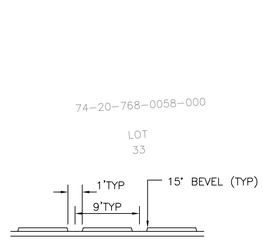
THIS AREA FOR SPECIAL DESIGN CONSIDERATIONS

SIGNAGE IS CONCEPTUAL AND SHALL BE ADDRESSED SEPARATELY AS SIGNAGE IS FINALIZED.

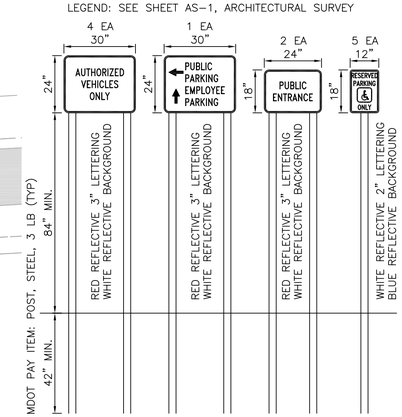
AMERICANS WITH DISABILITIES ACT (ADA) BARRIER FREE PARKING SYMBOL, NO PARKING, FIRE LANE, AND ALL OTHER SUCH SIGNAGE AND PAVEMENT MARKING SHALL COMPLY WITH THE LATEST COPYRIGHT OF THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS AND PAVEMENT MARKINGS SHALL BE PAID FOR LUMP SUM.

LEGEND: SEE SHEET AS-1, ARCHITECTURAL SURVEY



CONCRETE CURB CUT DETAIL
NOT TO SCALE
PAID FOR IN CURB & GUTTER, CONCRETE, DETAIL F-4



SIGN DETAILS
NOT TO SCALE

ALL SIGNS AND PAVEMENT MARKING SHALL CONFORM WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD)

HURON CONSULTANTS
ENGINEERS & SCIENTISTS
3811 24th Ave, Suite A
Fort Gratiot, MI 48059
TEL: (810) 966-0680
FAX: (810) 966-0681
www.huronconsultants.com

CLIENT NAME:
FORT GRATIOT CHARTER TOWNSHIP
3720 KEEWAHDIN ROAD
FORT GRATIOT, MI 48059
TEL: 810.385.4489
FAX: 810.385.9010

3 WORKING DAYS
800-482-7171
Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL EXISTING UTILITIES LOCATION AND DEPTH WITHIN THE PROJECT AREA SHALL BE FIELD VERIFIED. CALL MISS DIG SYSTEM 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY INFORMATION SHOWN ON THIS DRAWING ARE APPROXIMATE AND MAY BE ACCORDING TO AVAILABLE RECORD OR DISCLOSED INFORMATION BY VARIOUS UTILITY COMPANIES, PUBLIC AGENCIES, OR OTHER SOURCES AND THUS MAY NOT NECESSARILY REFLECT ACTUAL FIELD LOCATIONS AND NO GUARANTEE IS GIVEN TO COMPLETENESS OR ACCURACY.

COPYRIGHT (C) 2014 HURON CONSULTANTS. ALL RIGHTS RESERVED. THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION BY HURON CONSULTANTS.

PROJECT NAME:
FORT GRATIOT CHARTER TOWNSHIP MUNICIPAL CENTER

SITE PLAN

PROJECT LOCATION:
SEC'S 16&17, T7N, R17E
FORT GRATIOT TOWNSHIP
SAINT CLAIR COUNTY

Drawn By: TDP
Checked By: SKS
Approved By: EJO

REVISIONS:
1. 2013-11-25
2. 2013-12-03
3. 2013-12-05
4. 2013-12-18
5. 2014-01-20
6. 2014-02-03
7. 2014-02-12
8. 2014-02-24 ADD 1
9. 2014-02-28 ADD 2

SCALE VERIFICATION:
0 0.5 1
BAR IS ONE-INCH
ADJUST SCALES ACCORDINGLY IF NOT

SCALE:
1"=30'

HC PROJECT NO:
13-10672

HC DRAWING NO:
13-10672SP

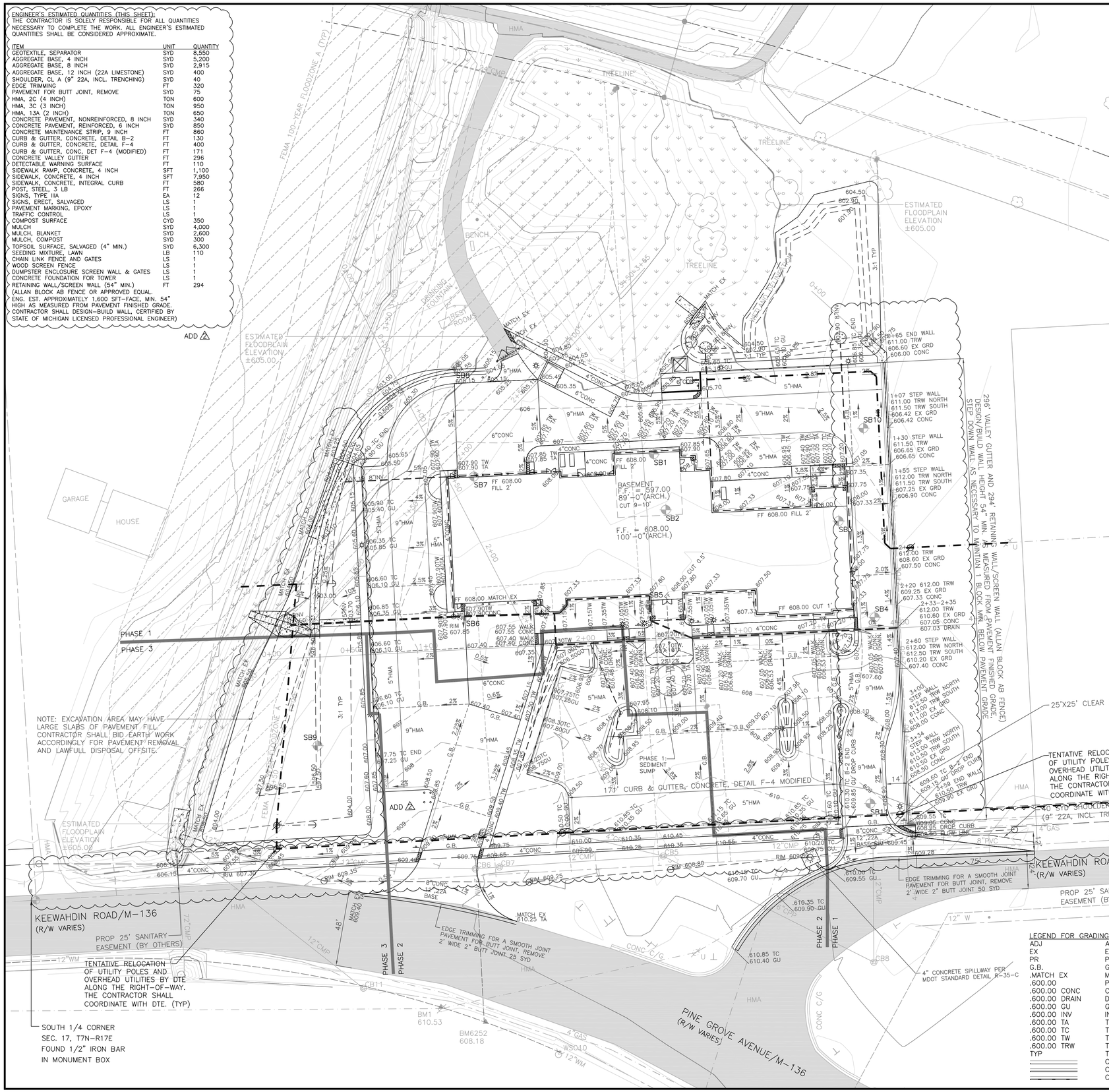
C-1

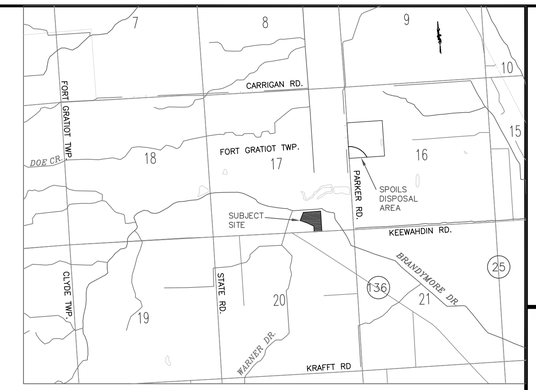
ENGINEER'S ESTIMATED QUANTITIES (THIS SHEET):
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL QUANTITIES NECESSARY TO COMPLETE THE WORK. ALL ENGINEER'S ESTIMATED QUANTITIES SHALL BE CONSIDERED APPROXIMATE.

ITEM	UNIT	QUANTITY
GEOTEXTILE, SEPARATOR	SYD	8,550
AGGREGATE BASE, 4 INCH	SYD	5,200
AGGREGATE BASE, 8 INCH	SYD	2,915
AGGREGATE BASE, 12 INCH (22A LIMESTONE)	SYD	400
SHOULDER, CL A (9" 22A, INCL. TRENCHING)	SYD	40
EDGE TRIMMING	FT	320
PAVEMENT FOR BUTT JOINT, REMOVE	SYD	75
HMA, 2C (4 INCH)	TON	600
HMA, 3C (3 INCH)	TON	950
HMA, 13A (2 INCH)	TON	650
CONCRETE PAVEMENT, NONREINFORCED, 8 INCH	SYD	340
CONCRETE PAVEMENT, REINFORCED, 6 INCH	SYD	850
CONCRETE MAINTENANCE STRIP, 9 INCH	FT	860
CURB & GUTTER, CONCRETE, DETAIL B-2	FT	130
CURB & GUTTER, CONCRETE, DETAIL F-4	FT	400
CURB & GUTTER, CONC, DET F-4 (MODIFIED)	FT	171
CONCRETE VALLEY GUTTER	FT	296
DETECTABLE WARNING SURFACE	FT	110
SIDEWALK RAMP, CONCRETE, 4 INCH	SFT	1,100
SIDEWALK, CONCRETE, 4 INCH	SFT	7,950
SIDEWALK, CONCRETE, INTEGRAL CURB	FT	580
POST, STEEL, 3 LB	FT	266
SIGNS, TYPE IIIA	EA	12
SIGNS, ERECT, SALVAGED	LS	1
PAVEMENT MARKING, EPOXY	LS	1
TRAFFIC CONTROL	LS	1
COMPOST SURFACE	CYD	350
MULCH	SYD	4,000
MULCH, BLANKET	SYD	2,600
MULCH, COMPOST	SYD	300
TOPSOIL SURFACE, SALVAGED (4" MIN.)	SYD	6,300
SEEDING MIXTURE, LAWN	LB	110
CHAIN LINK FENCE AND GATES	LS	1
WOOD SCREEN FENCE	LS	1
DUMPSTER ENCLOSURE SCREEN WALL & GATES	LS	1
CONCRETE FOUNDATION FOR TOWER	LS	1
RETAINING WALL/SCREEN WALL (54" MIN.)	FT	294

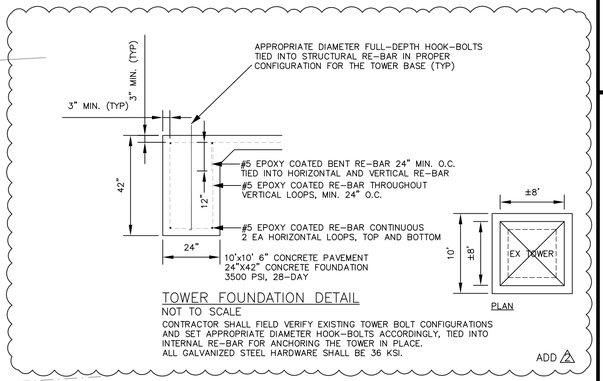
(ALLAN BLOCK AB FENCE OR APPROVED EQUAL.
ENG. EST. APPROXIMATELY 1,600 SFT-FACE, MIN. 54" HIGH AS MEASURED FROM PAVEMENT FINISHED GRADE.
CONTRACTOR SHALL DESIGN-BUILD WALL, CERTIFIED BY STATE OF MICHIGAN LICENSED PROFESSIONAL ENGINEER)

ADD 2



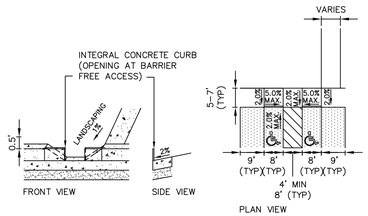


VICINITY MAP
NO SCALE

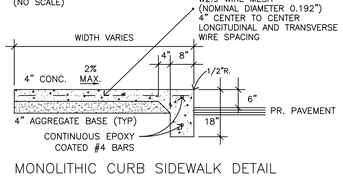


TOWER FOUNDATION DETAIL
NOT TO SCALE
CONTRACTOR SHALL FIELD VERIFY EXISTING TOWER BOLT CONFIGURATIONS AND SET APPROPRIATE DIAMETER HOOK-BOLTS ACCORDINGLY, TIED INTO INTERNAL RE-BAR FOR ANCHORING THE TOWER IN PLACE. ALL GALVANIZED STEEL HARDWARE SHALL BE 36 KSI.

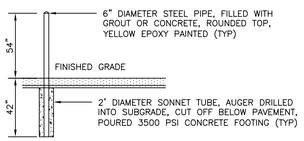
ADD 2



SIDEWALK RAMP-P (MODIFIED) SR-P(M)
(NO SCALE)



MONOLITHIC CURB SIDEWALK DETAIL
(NO SCALE)



BOLLARD DETAIL
(NO SCALE)

LEGEND FOR GRADING PLAN:

ADJ	ADJUST
EX	EXISTING
PR	PROPOSED
G.B.	GRADE BREAK
.MATCH EX	MATCH EXISTING ELEVATION
.600.00	PROPOSED ELEVATION
.600.00 CONC	CONC ELEVATION
.600.00 DRAIN	DRAIN ELEVATION
.600.00 GU	GUTTER ELEVATION
.600.00 INV	INVERT ELEVATION
.600.00 TA	TOP OF ASPHALT
.600.00 TC	TOP OF CURB
.600.00 TW	TOP OF WALK
.600.00 TRW	TOP OF RETAINING WALL
TYP	TYPICAL
	CONCRETE MAINTENANCE STRIP
	CONCRETE CURB & GUTTER
	CURB CUT

NOTE: SEE SHEET AS-1 FOR LEGEND & SEE SHEET C-6 FOR MORE SITE DETAILS

HURON CONSULTANTS
ENGINEERS & SCIENTISTS
3811 24th Ave, Suite A
Fort Gratiot, MI 48059
TEL: (810) 966-0680
FAX: (810) 966-0681
www.huronconsultants.com

CLIENT NAME:
FORT GRATIOT CHARTER TOWNSHIP
3720 KEEWAHDIN ROAD
FORT GRATIOT, MI 48059
TEL: 810.385.4489
FAX: 810.385.9010

3 WORKING DAYS
800-482-7171
811
Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL EXISTING UTILITIES LOCATION AND DEPTH WITHIN THE PROJECT AREA SHALL BE FIELD VERIFIED. CALL MISS DIG SYSTEM 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY INFORMATION SHOWN ON THIS DRAWING ARE APPROXIMATE AND MAY BE ACCORDING TO AVAILABLE RECORD OR DISCLOSED INFORMATION BY VARIOUS UTILITY COMPANIES, PUBLIC AGENCIES, OR OTHER SOURCES AND THUS MAY NOT NECESSARILY REFLECT ACTUAL FIELD LOCATIONS AND NO GUARANTEE IS GIVEN TO COMPLETENESS OR ACCURACY.

COPYRIGHT (C) 2014 HURON CONSULTANTS. ALL RIGHTS RESERVED. THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION BY HURON CONSULTANTS.

PROJECT NAME:
FORT GRATIOT CHARTER TOWNSHIP MUNICIPAL CENTER

GRADING PLAN

PROJECT LOCATION:
SEC'S 16&17, T7N, R17E
FORT GRATIOT TOWNSHIP
SAINT CLAIR COUNTY

Drawn By: TDP
Checked By: SKS
Approved By: EJO

REVISIONS:
1. 2013-11-25
2. 2013-12-03
3. 2013-12-05
4. 2013-12-18
5. 2014-01-20
6. 2014-02-03
7. 2014-02-12
8. 2014-02-24 ADD 1
9. 2014-02-28 ADD 2

SCALE VERIFICATION:
0 0.5 1
BAR IS ONE-INCH
ADJUST SCALES ACCORDINGLY IF NOT

SCALE:
1"=30'

HC PROJECT NO:
13-10672

HC DRAWING NO:
GP1

C-2

ENGINEER'S ESTIMATED QUANTITIES (THIS SHEET):
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL QUANTITIES NECESSARY TO COMPLETE THE WORK. ALL ENGINEER'S ESTIMATED QUANTITIES SHALL BE CONSIDERED APPROXIMATE.

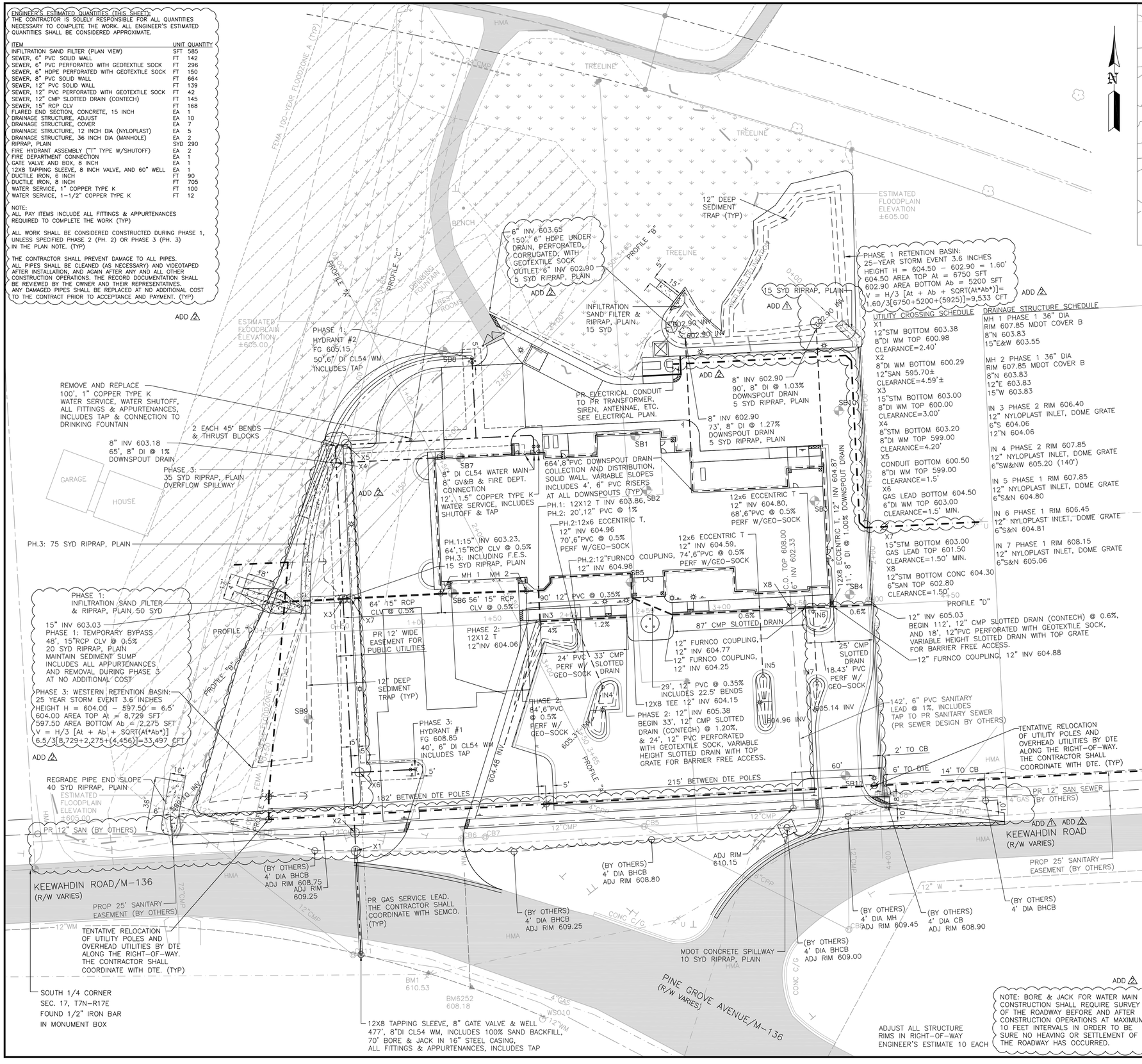
ITEM	UNIT	QUANTITY
INFILTRATION SAND FILTER (PLAN VIEW)	SFT	585
SEWER, 6" PVC SOLID WALL	FT	142
SEWER, 6" PVC PERFORATED WITH GEOTEXTILE SOCK	FT	296
SEWER, 6" HDPE PERFORATED WITH GEOTEXTILE SOCK	FT	150
SEWER, 8" PVC SOLID WALL	FT	664
SEWER, 12" PVC SOLID WALL	FT	139
SEWER, 12" PVC PERFORATED WITH GEOTEXTILE SOCK	FT	42
SEWER, 12" CMP SLOTTED DRAIN (CONTECH)	FT	145
SEWER, 15" RCP CLV	FT	168
FLARED END SECTION, CONCRETE, 15 INCH	EA	1
DRAINAGE STRUCTURE, ADJUST	EA	10
DRAINAGE STRUCTURE, COVER	EA	7
DRAINAGE STRUCTURE, 12 INCH DIA (NYLOPLAST)	EA	5
DRAINAGE STRUCTURE, 36 INCH DIA (MANHOLE)	EA	2
RIPRAP, PLAIN	SYD	290
FIRE HYDRANT ASSEMBLY ("T" TYPE W/SHUTOFF)	EA	2
FIRE DEPARTMENT CONNECTION	EA	1
GATE VALVE AND BOX, 8 INCH	EA	1
12X8 TAPPING SLEEVE, 8 INCH VALVE, AND 60" WELL	EA	1
DUCTILE IRON, 6 INCH	FT	90
DUCTILE IRON, 8 INCH	FT	705
WATER SERVICE, 1" COPPER TYPE K	FT	100
WATER SERVICE, 1-1/2" COPPER TYPE K	FT	12

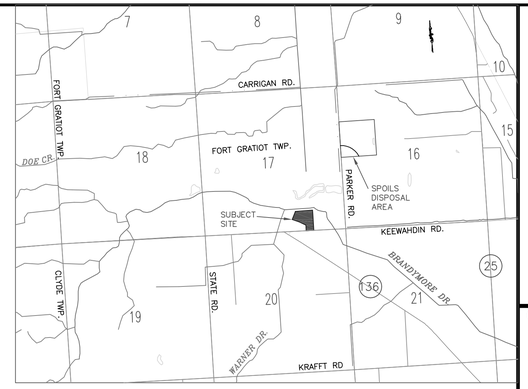
NOTE:
ALL PAY ITEMS INCLUDE ALL FITTINGS & APPURTENANCES REQUIRED TO COMPLETE THE WORK (TYP)

ALL WORK SHALL BE CONSIDERED CONSTRUCTED DURING PHASE 1, UNLESS SPECIFIED PHASE 2 (PH. 2) OR PHASE 3 (PH. 3) IN THE PLAN NOTE. (TYP)

THE CONTRACTOR SHALL PREVENT DAMAGE TO ALL PIPES. ALL PIPES SHALL BE CLEANED (AS NECESSARY) AND VIDEOTAPED AFTER INSTALLATION, AND AGAIN AFTER ANY AND ALL OTHER CONSTRUCTION OPERATIONS. THE RECORD DOCUMENTATION SHALL BE REVIEWED BY THE OWNER AND THEIR REPRESENTATIVES. ANY DAMAGED PIPES SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CONTRACT PRIOR TO ACCEPTANCE AND PAYMENT. (TYP)

ADD 2





VICINITY MAP
NO SCALE

DRAINAGE CALCULATIONS
PER THE RULES OF THE ST. CLAIR COUNTY DRAIN COMMISSIONER (SCCDC)

NORTHEASTERN RETENTION BASIN:
TRIBUTARY AREA A = 0.67 ACRES
AREA IMPERVIOUS SURFACE A-imp = 0.42 ACRES, C = 0.90
AREA PERVIOUS SURFACE A-perv = 0.25 ACRES, C = 0.20
WEIGHTED C = 0.42*0.90 + 0.25*0.20 = 0.43/0.67 = 0.64
FIRST FLUSH VOLUME 1" OVER THE SITE: 0.67 ACRES = 2,433 CFT
ALTERNATE CALCULATION: 3630 * A * C = 3630 * 0.67 * 0.64 = 1,557 CFT
BANKFULL VOLUME: 8170 * C * A = 8170 * 0.67 * 0.64 = 3,504 CFT
100-YEAR DETENTION VOLUME:
ALLOWABLE DISCHARGE Qa = 0.15 CFS/ACRE * 0.67 ACRES = 0.10 CFS
INITIAL DISCHARGE Qo = Qa / A*C = 0.10 / 0.67*0.64 = 0.23 CFS
TIME OF CONCENTRATION Tc = –25 + SQRT(10,312.5/Qo) = 185.29 SEC
VOLUME PER IMPERVIOUS ACRE: Vs=16,500*Tc/(Tc+25)–40*Qo*Tc=12,834 CFT/AC–IMP
REQUIRED DETENTION VOLUME V = Vs * A * C = 12,834*0.67*0.64 = 5,504 CFT
PROPOSED STORAGE VOLUME = 9,533 CFT
9,533 CFT/0.67 ACRES/43,560 SFT/ACRE = 0.327 FT = 3.92 INCHES OVER THE SITE

WESTERN RETENTION BASIN:
TOTAL ONSITE TRIBUTARY AREA A = 2.30 ACRES
AREA IMPERVIOUS SURFACE A-imp = 1.70 ACRES, C = 0.90
AREA PERVIOUS SURFACE A-perv = 0.60 ACRES, C = 0.20
WEIGHTED C = 1.70*0.90 + 0.60*0.20 = 1.65/2.30 = 0.71
FIRST FLUSH VOLUME: 1" OVER THE SITE: 2.30 ACRES = 8,349 CFT
ALTERNATE CALCULATION: 3630 * A * C = 3630 * 2.30 * 0.71 = 5,928 CFT
BANKFULL VOLUME: 8170 * C * A = 8170 * 2.30 * 0.71 = 13,342 CFT
100-YEAR DETENTION VOLUME:
ALLOWABLE DISCHARGE Qa = 0.15 CFS/ACRE * 2.30 ACRES = 0.35 CFS
INITIAL DISCHARGE Qo = Qa / A*C = 0.35 / 2.30*0.71 = 0.21 CFS
TIME OF CONCENTRATION Tc = –25 + SQRT(10,312.5/Qo) = 195.94 SEC
VOLUME PER IMPERVIOUS ACRE: Vs=16,500*Tc/(Tc+25)–40*QoTc=11,890 CFT/AC–IMP
REQUIRED DETENTION VOLUME V = Vs * A * C = 11,890*2.30*0.71 = 19,416 CFT
PROPOSED STORAGE VOLUME = 33,497 CFT
33,497 CFT/2.30 ACRES/43,560 SFT/ACRE = 0.334 FT = 4.01 INCHES OVER THE SITE

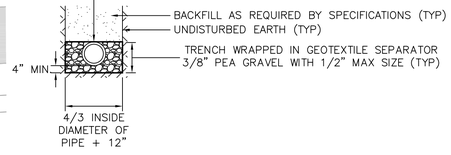
PER MDEQ, SAND FILTER INFILTRATION FROM SURFACE WATER TO GROUND WATER:

WESTERN RETENTION BASIN:
2.30 ACRES * 3.6 INCHES OVER SITE = 30,056 CFT
30,056 CFT, INFILTRATE WITHIN 72 HOURS
PROVIDED 33,497 CFT / 72 HOURS / 3,600 SEC/HR = 0.13 CFS
SAND K=10^3 GAL/DAY/SFT / 7.4808 GAL/CFT / 86,400 SEC/DAY = 0.0015 CFS/SFT
PLAN VIEW AREA OF SAND FILTER = 0.13 CFS / 0.0015 CFS/SFT = 86 SFT AVERAGE
TOTAL AREA = 2 * 86 = 172 SFT

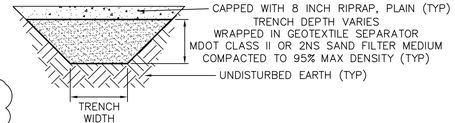
NORTHEASTERN RETENTION BASIN:
0.67 ACRES * 3.6 INCHES OVER SITE = 8,756 CFT
8,756 CFT, INFILTRATE WITHIN 72 HOURS
PROVIDED 9,533 CFT / 72 HOURS / 3,600 SEC/HR = 0.0368 CFS
SAND K=10^3 GAL/DAY/SFT / 7.4808 GAL/CFT / 86,400 SEC/DAY = 0.0015 CFS/SFT
PLAN VIEW AREA OF SAND FILTER = 0.0368 CFS / 0.0015 CFS/SFT = 24.5 SFT AVERAGE
TOTAL AREA = 2 * 24.5 = 49 SFT

ADD 2

CONTRACTOR SHALL PROTECT DRAINAGE PIPES FROM DAMAGE, & REPLACE ANY PIPE DAMAGED BY CONSTRUCTION OPERATIONS, AT NO ADDITIONAL COST TO THE CONTRACT (TYP)



DOWNSPOUT DRAIN/UNDER DRAIN DETAIL
NOT TO SCALE



INFILTRATION SAND FILTER DETAIL
NOT TO SCALE

NOTE: SEE SHEET AS-1 FOR LEGEND & SEE SHEET C-6 FOR MORE SITE DETAILS

HURON CONSULTANTS
ENGINEERS & SCIENTISTS
3811 24th Ave, Suite A
Fort Gratiot, MI 48059
TEL: (810) 966-0680
FAX: (810) 966-0681
www.huronconsultants.com

CLIENT NAME:
FORT GRATIOT CHARTER TOWNSHIP
3720 KEEWAHDIN ROAD
FORT GRATIOT, MI 48059
TEL: 810.385.4489
FAX: 810.385.9010

3 WORKING DAYS
800-482-7171
811
Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL EXISTING UTILITIES LOCATION AND DEPTH WITHIN THE PROJECT AREA SHALL BE FIELD VERIFIED. CALL MISS DIG SYSTEM 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY INFORMATION SHOWN ON THIS DRAWING ARE APPROXIMATE AND MAY BE ACCORDING TO AVAILABLE RECORD OR DISCLOSED INFORMATION BY VARIOUS UTILITY COMPANIES, PUBLIC AGENCIES, OR OTHER SOURCES AND THUS MAY NOT NECESSARILY REFLECT ACTUAL FIELD LOCATIONS AND NO GUARANTEE IS GIVEN TO COMPLETENESS OR ACCURACY.

COPYRIGHT (C) 2014 HURON CONSULTANTS. ALL RIGHTS RESERVED. THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN ARE NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION BY HURON CONSULTANTS.

PROJECT NAME:
FORT GRATIOT CHARTER TOWNSHIP MUNICIPAL CENTER

UTILITY PLAN

PROJECT LOCATION:
SEC'S 16&17, T7N, R17E
FORT GRATIOT TOWNSHIP
SAINT CLAIR COUNTY

Drawn By: TDP
Checked By: SKS
Approved By: EJO

REVISIONS:
1. 2013-11-25
2. 2013-12-03
3. 2013-12-05
4. 2013-12-18
5. 2014-01-20
6. 2014-02-03
7. 2014-02-12
8. 2014-02-24 ADD 1
9. 2014-02-28 ADD 2

SCALE VERIFICATION:
0 0.5 1
BAR IS ONE-INCH
ADJUST SCALES ACCORDINGLY IF NOT

SCALE:
1"=30'

HC PROJECT NO:
13-10672

HC DRAWING NO:
UP1

C-3

ROOM FINISH SCHEDULE

No.	NAME	FLOOR		BASE		WALLS		CEILING			NOTES
		MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	HEIGHT	
01	BASMENT	VCT	FF	VINYL	FF	CONC	PA	-	-		2
02	ELECTRICAL EQUIPMENT	VCT	FF	VINYL	FF	CONC	PA	-	-		2
03	STAIR	VCT	FF	VINYL	FF	CONC	PA	-	-		2
100	SUPERVISOR	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
101	ASSESSOR	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
102	BUSINESS MANAGER	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
103	DEPUTY CLERK	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
104	CLERK	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
105	ELECTION EQUIPMENT	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
106	TRUSTEES	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
107	COMMON WORK ROOM	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
108	D.P.W. SUPERVISOR	VCT 4	FF	VINYL	FF 4	GB	PA	ACP	FF	9'-0"	
109	EMPLOYEE LOUNGE	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
110	D.P.W. OFFICE ASSISTANT	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
111	D.P.W. UTILITY CLERK	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
112	COMM. DEVELOP. COORD.	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
113	BUILDING CLERICAL	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
114	TREASURER	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
115	SECURE VAULT	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
116	ACTIVE FILES	CA/PT-1	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	1 @ BACK DOOR
117	DEPUTY TREASURER	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
118	CASHIER	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
119	COORIDOR	CAT	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
120	RECEPTION	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
121	PUBLIC LOBBY	PT-2, 3, 4 4	FF	PT	FF 4	GB	PA	GB	PA 4	VARIES	
122	COMPUTER SERVER ROOM	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
123	WOMEN	PT-5	FF	CT	FF	GB	PA	ACP	FF	9'-0"	
124	MEN	PT-5	FF	CT	FF	GB	PA	ACP	FF	9'-0"	
125	CONFERENCE ROOM	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
126	STAIR	RF 4	FF	VINYL	FF	4 GB	PA	GB	PA	9'-0"	4
127	MEETING HALL	CA	FF	WOOD	PA	GB	PA	ACP/GB	FF/PA	VARIES	3 5
128	TABLES & CHAIRS	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
129	WOMEN'S	PT-2/PT-3	FF	PT	FF	PT-6,7,8	FF/PA	ACP & GB	FF/PA	9'-0" & 8'-0"	
130	MEN'S	PT-2/PT-3	FF	PT	FF	PT-6,7,8	FF/PA	ACP & GB	FF/PA	9'-0" & 8'-0"	
131	JANITOR'S CLOSET	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
132	LOBBY	PT-2, 3, 4	FF	PT	FF	GB	PA	GB	PA	VARIES	3

ROOM FINISH SCHEDULE CONT'D

No.	NAME	FLOOR		BASE		WALLS		CEILING			NOTES
		MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	HEIGHT	
133	VESTIBULE	PT-1	FF	PT	FF	GB	PA	GB	PA	10'-6"	1 3
134	FIRE DEPARTMENT CLERICAL	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
135	FIRE CHIEF OFFICE	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
136	FIRE CAPTAIN	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
137	INSPECTIONS/PUBLIC EDUCATION	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
138	COORIDOR	VCT/CA	FF/FF	VINYL/WD	FF/PA	GB	PA	ACP	FF	9'-0"	
139	TOILET	PT-5	FF	PT	FF	GB	PA	ACP	FF	9'-0"	
140	WORK ROOM	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
141	JANITOR'S CLOSET	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
142	SECURE STORAGE	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
143	MEDICAL SUPPLIES	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
144	MEN'S TOILET/LOCKER RM	PT-5	FF	PT	FF	PT-6,7,8	FF	GB	PA	9'-0"	
145	WOMEN'S TOILET/LOCKER RM	PT-5	FF	PT	FF	PT-6,7,8	FF	GB	PA	9'-0"	
146	SHERIFF DEPUTY	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
147	BOOKING	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
148	INTERVIEW	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
149	VESTIBULE	PT-1	FF	PT	FF	GB	PA	ACP	FF	9'-0"	1
150	DAYROOM	CA	FF	WOOD	PA	GB	PA	ACP	FF	9'-0"	
151	KITCHEN	PT-5	FF	PT	FF	GB	PA	ACP/GB	FF/PA	9'-0"	PT-9 BACKSPLASH
152	STORAGE	CONC.	EFT	CMU	PA	CMU	PA	-	-		2
153	DRYING ROOM	CONC.	EFT	CMU	PA	CMU	PA	-	-		2
154	LAUNDRY	CONC.	EFT	CMU	PA	CMU	PA	-	-		2
155	BREATHING AIR ROOM	CONC.	EFT	CMU	PA	CMU	PA	-	-		2
156	MAINTAINENCE	CONC.	EFT	CMU	PA	CMU	PA	-	-		2
157	RADIO/DISPATCH	VCT	FF	VINYL	FF	GB	PA	ACP	FF	9'-0"	
158	APPARATUS BAY	CONC.	EFT	CMU	PA	CMU	PA	GB	PA	20'-0"	
200	MEZZANINE	CONC.	S	CMU	FF	CMU	PA	GB	PA	20'-0"	
201	COMPRESSOR ROOM	CONC.	S	CMU	PA	CMU	PA	GB	PA	20'-0"	

GENERAL FINISH NOTES

A. PAINTER TO APPLY ONE COAT PRIMER AND TWO COATS FINISH COLOR TO ALL PAINTED WALLS AND NOTED SURFACES.

B. CONTRACTOR SHALL PROPERLY CLEAN AND FILL ALL SURFACES TO BE COVERED LEAVING INSTALLATION AREA SMOOTH AND FREE OF FOREIGN MATERIAL AND INSTALL APPROPRIATE UNDERLAYMENT OR PREPARATION PER MANUFACTURER'S RECOMMENDATIONS FOR ALL FLOORING SURFACES.

C. PRIOR TO CARPET INSTALLATION, CONTRACTOR TO INSPECT ALL SUB-FLOORING TO INSURE A CLEAN, DRY AND SECURE SURFACE BEFORE INSTALLATION. IF FILLING COMPOUND IS NEEDED FOR FLOOR LEVELING, LATEX BASED SUB-FLOOR FILLER WILL BE USED.

MATERIALS CODE:

A. THE MATERIALS CODE USED IN THIS SCHEDULE SHALL HAVE THE FOLLOWING MEANING:

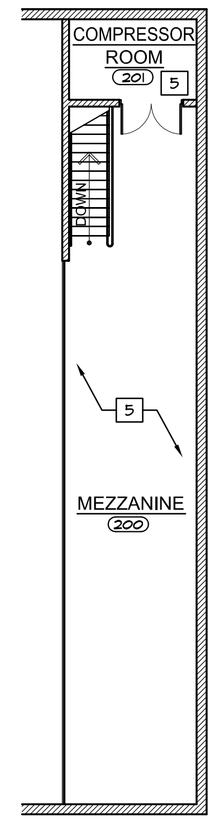
CA.....CARPET	09 68 00 Carpet
CAB.....CARPET BASE	09 68 00 Carpet
CMU.....CONCRETE MASONRY BLOCK, INTEGRAL BASE	04 20 00 Unit Masonry
CONC. .....CONCRETE (WITH SEALER)	03 30 00 Cast-In-Place Concrete
C.T.....CERAMIC TILE	09 30 13 Ceramic Tiling
EFT.....EPOXY FLOOR TREATMENT	09 61 37 Epoxy Floor Treatment
GB.....GYPSUM BOARD	09 21 16 Gypsum Board Assemblies
PT.....PORCELAIN TILE	09 30 13 Ceramic Tiling
VCT.....VINYL COMPOSITION TILE	09 65 19 Resilient Tile Flooring
VINYL.....VINYL BASE	09 65 13 Resilient Wall Base & Accessories
4 RF.....RUBBER SPORTS FLOORING	09 65 19 Rubber Sports Flooring

B. THE FINISH CODE USED IN THIS SCHEDULE SHALL HAVE THE FOLLOWING MEANING:
(SEE ALSO DOOR SCHEDULE SECTION 008861 FOR FINISHED SCHEDULED THEREIN).

FF - FACTORY FINISH
PA - PAINT
S - CONCRETE SEALER

NOTES:

1. RECESSED WALK-OFF FLOOR MAT
2. NO FINISHED CEILING SYSTEM, EXPOSED METAL UNDERSIDE OF STRUCTURAL FLOOR ABOVE - PAINT
3. PROVIDE 6" CROWN MOLDING AT ROOM PERIMETER - REFER TO REFLECTED CEILING PLAN
4. PROVIDE PORCELAIN TILE AT VESTIBULE FLOOR, PROVIDE VCT FLOORING ON STAIR LANDING.
5. PROVIDE CHAIR RAIL AND WOOD WAINSCOT AROUND PERIMETER OF ROOM AS DETAILED ON DET. 7 SHEET A-9

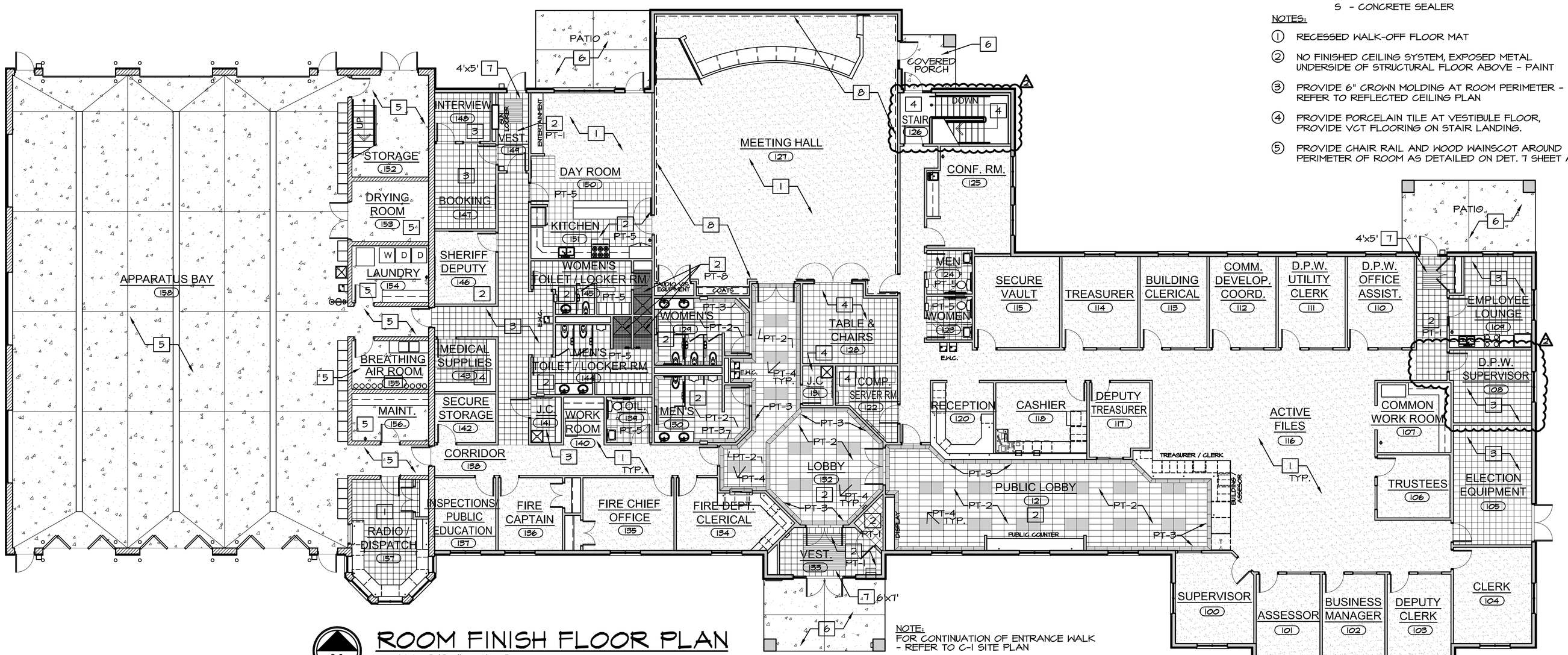


MEZZANINE FLOOR PLAN

SCALE 3/32" = 1'-0"

REFERENCE NOTES

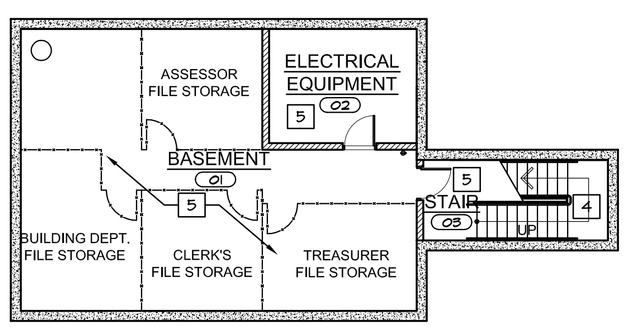
1. SHEET CARPET THIS ROOM
2. PORCELAIN FLOOR TILE AND BASE THIS ROOM
3. VCT THIS ROOM
4. 4 RUBBER FLOOR FINISH. PROVIDE RUBBER TREADS, RISERS, NOSINGS, AND STRINGERS - REFER TO 09 65 19 OF THE SPECIFICATIONS.
5. CONCRETE SLAB WITH EPOXY FLOOR TREATMENT - REFER TO 09 61 37 OF THE SPECIFICATIONS.
6. BROOM FINISH CONCRETE SLAB - REFER TO SITE PLAN C-1
7. RECESSED VINYL LINK WALK-OFF FLOOR MAT - REFER TO SPECIFICATION SECTION 12 48 13
8. WOOD CHAIR RAIL & WAINSCOT DETAIL 7 SHEET A-9



NOTE:
FOR CONTINUATION OF ENTRANCE WALK - REFER TO C-1 SITE PLAN

ROOM FINISH FLOOR PLAN

SCALE 3/32" = 1'-0"



BASEMENT FLOOR PLAN

SCALE 3/32" = 1'-0"

CHMP INC.
5198 TERRITORIAL ROAD
GRAND BLANC, MI 48439
TELEPHONE 810/695-5910

ARCHITECTURE
ENGINEERING
LANDSCAPE ARCHITECTURE
SURVEYING

THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF CHMP INC. AND CANNOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF CHMP INC.
© 2014

NEW CONSTRUCTION FOR:

CHARTER TOWNSHIP OF FORT GRATIOT MUNICIPAL CENTER

3720 KEEWAHDIN ROAD, FORT GRATIOT, MICHIGAN 48059

PROJECT NO.	13003300
DATE	FEBRUARY 4, 2014
AS BUILT DATE	-
DRAWN BY	JMH
CHECKED BY	GM
SCALE	AS NOTED
ISSUED FOR:	
BIDDING	FEB. 18, 2014
1 ADDENDUM TWO	MAR. 7, 2014

SHEET NO.

A-10

OF 21

DOOR & FRAME SCHEDULE

DOOR No.	NAME	DOOR SIZE	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FIRE LABEL	HDW	FRAME TYPE	FRAME MAT'L	FRAME FINISH	HEAD	JAMB	SILL	NOTES
02	ELECTRICAL EQUIPMENT	3'-0" x7'-0" x 1-3/4"	D	HM	PA		1	II	HM	PA	H1	J2		
03	STAIR	3'-0" x7'-0" x 1-3/4"	D	HM	PA		2	II	HM	PA	H1	J2		
100	SUPERVISOR	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
101	ASSESSOR	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
102	BUSINESS MANAGER	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
103	DEPUTY CLERK	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
104	CLERK	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
105A	ELECTION EQUIPMENT	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		1	I	HM	PA	H4	J4		
105B	ELECTION EQUIPMENT	(2)3'-0" x7'-0" x 1-3/4"	B	HM	PA		4	V	HM	PA	H5	J6		
106	TRUSTEES	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
108	D.P.W. SUPERVISOR	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
109A	EMPLOYEE LOUNGE	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		5	XI	HM	PA	H4	J4, J5	S1	
109B	EMPLOYEE LOUNGE	(2)2'-6" x6'-8" x 1-3/4"	D	SCW	FF		6	VIII	HM	PA	H4	J4		
110	D.P.W. OFFICE ASSISTANT	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
111	D.P.W. UTILITY CLERK	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
112	COMM. DEVELOP. COORD.	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
113	BUILDING CLERICAL	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
114	TREASURER	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
115	SECURE VAULT	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		7	I	HM	PA	H4	J4		FIRE RATED
116	ACTIVE FILES/PATIO ACCESS	3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		8	IX	ALUM.	FF	H6	J7		W/SIDELIGHT
117	DEPUTY TREASURER	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
118	CASHIER	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
121A	PUBLIC LOBBY	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		2	II	HM	PA	H4	J4		W/DOORLIGHT
121B	PUBLIC LOBBY	COUNTER PASS-THRU					N/A							SEE DETAIL 5 / A-21
122	COMPUTER SERVER ROOM	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		1	I	HM	PA	H4	J4		
123	WOMEN	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		9	I	HM	PA	H4	J4		
124	MEN	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		9	I	HM	PA	H4	J4		
125	CONFERENCE ROOM	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		10	XI	HM	PA	H4	J4		W/SIDELIGHT
126A	STAIR	3'-0" x7'-0" x 1-3/4"	E	HM	PA		11	I	HM	PA	H4	J4		W/DOORLIGHT
126B	STAIR	3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		12	IX	ALUM.	FF	H6	J7		W/SIDELIGHT
127A	MEETING HALL	(2)3'-0" x7'-0" x 1-3/4"	D	SCW	FF		14	IV	HM	PA	H4	J4		
127B	MEETING HALL	3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		13	IX	ALUM.	FF	H6	J7		W/SIDELIGHT
127C	MEETING HALL	(2)2'-8" x7'-0" x 1-3/4"	D	SCW	FF		15	VII	HM	PA	H4	J4		
127D	MEETING HALL	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		17	II	HM	PA	H4	J4		
128	TABLES & CHAIRS	(2)3'-0" x7'-0" x 1-3/4"	D	SCW	FF		16	IV	HM	PA	H4	J4		
129	WOMEN	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		5	II	HM	PA	H4	J4		
130	MEN	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		5	II	HM	PA	H4	J4		
131	JANITOR'S CLOSET	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		1	II	HM	PA	H4	J4		
132A	LOBBY	(2)3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		18	IV	ALUM.	FF	H3	J3		
132B	LOBBY	(2)3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		14	IV	ALUM.	FF	H3	J3		
133A	VESTIBULE	(2)3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		19	X	ALUM.	FF	H2	J2		W/SIDELIGHT
133B	VESTIBULE	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		1	II	HM	PA	H4	J4		
134	FIRE DEPARTMENT CLERICAL	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
135A	FIRE CHIEF OFFICE	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
135B	FIRE CHIEF OFFICE	(2)2'-0" x6'-8" x 1-3/4"	D	SCW	FF		6	VI	HM	PA	H4	J4		
136A	FIRE CAPTAIN	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
136B	FIRE CAPTAIN	(2)2'-0" x6'-8" x 1-3/4"	D	SCW	FF		6	VI	HM	PA		J4		
137	INSPECTIONS/PUBLIC EDUCATION	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
138A	CORRIDOR	3'-0" x7'-0" x 1-3/4"	D	HM	PA	1 1/2 HR	20	III	HM	PA	H1	J2		W/DOORLIGHT
138B	CORRIDOR	3'-0" x7'-0" x 1-3/4"	D	HM	PA	1 1/2 HR	20	III	HM	PA	H1	J2		W/DOORLIGHT
138C	CORRIDOR	3'-0" x7'-0" x 1-3/4"	A	ALUM	FF		21	II	HM	PA	H4	J4		
139	TOILET	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		9	I	HM	PA	H4	J4		
141	JANITOR'S CLOSET	3'-0" x6'-8" x 1-3/4"	D	HM	PA		1	I	HM	PA	H4	J4		
142	SECURE STORAGE	3'-0" x6'-8" x 1-3/4"	D	HM	PA		7	I	HM	PA	H4	J4		
143	MEDICAL SUPPLIES	3'-0" x6'-8" x 1-3/4"	D	HM	PA		7	I	HM	PA	H4	J4		
144	MEN'S TOILET/LOCKER RM	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		5	I	HM	PA	H4	J4		
145A	WOMEN'S TOILET/LOCKER RM	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		5	I	HM	PA	H4	J4		
145B	WOMEN'S TOILET/LOCKER RM	3'-0" x6'-8" x 1-3/4"	D	HM	PA		22	I	HM	PA	H4	J4		
146	SHERIFF DEPUTY	3'-0" x6'-8" x 1-3/4"	E	SCW	FF		3	I	HM	PA	H4	J4		
147	BOOKING	3'-0" x6'-8" x 1-3/4"	E	HM	PA		3	I	HM	PA	H4	J4		
148	INTERVIEW	3'-0" x6'-8" x 1-3/4"	E	HM	PA		23	I	HM	PA	H4	J4		
149A	VESTIBULE	3'-0" x7'-0" x 1-3/4"	E	HM	FF		24	II	HM	FF	H4	J4		W/DOORLIGHT
149B	VESTIBULE	3'-0" x7'-0" x 1-3/4"	C	HM	FF		25	II	HM	FF	H6	J7		W/DOORLIGHT
150A	DAYROOM	3'-0" x6'-8" x 1-3/4"	D	SCW	FF		5	I	HM	PA	H4	J4		
150B	DAYROOM	3'-0" x7'-0" x 1-3/4"	A	ALUM	PA		26	IX SIM.	ALUM	PA	H5	J6		NO SIDELIGHT
151	KITCHEN	3'-0" x7'-0" x 1-3/4"	D	SCW	FF		17	II	HM	PA	H4	J4		180° SWING
152A	STORAGE	(2)3'-0" x7'-0" x 1-3/4"	B	HM	PA		4	V	HM	PA	H5	J8		
152B	STORAGE	3'-0" x7'-0" x 1-3/4"	D	HM	PA		27	III	HM	PA	H1	J2		
153	DRYING ROOM	(2)3'-0" x7'-0" x 1-3/4"	D	HM	PA		28	V	HM	PA	H1	J2		
154	LAUNDRY	3'-0" x7'-0" x 1-3/4"	D	HM	PA		27	III	HM	PA	H1	J2		
155	BREATHING AIR ROOM	3'-0" x7'-0" x 1-3/4"	D	HM	PA		27	III	HM	PA	H1	J2		
156	MAINTAINENCE	3'-0" x7'-0" x 1-3/4"	D	HM	PA		27	III	HM	PA	H1	J2		
157A	RADIO/DISPATCH	3'-0" x7'-0" x 1-3/4"	D	HM	PA		29	III	HM	PA	H1	J2		
157B	RADIO/DISPATCH	(2)2'-0" x6'-8" x 1-3/4"	D	SCW	FF		6	VI	HM	PA		J4		
158A	APPARATUS BAY	3'-0" x7'-0" x 1-3/4"	C	HM	PA		30	II	HM	PA	H5	J6, J8		
158B	APPARATUS BAY	12'-0" x14'-0" x 21-3/4"	G	STEEL	FF		-					J1		OVERHEAD ROLLING DOOR REFER TO DETAIL #1/ A-17
158C	APPARATUS BAY	12'-0" x14'-0" x 21-3/4"	G	STEEL	FF		-					J1		OVERHEAD ROLLING DOOR REFER TO DETAIL #1/ A-17
158D	APPARATUS BAY	12'-0" x14'-0" x 21-3/4"	G	STEEL	FF		-					J1		OVERHEAD ROLLING DOOR REFER TO DETAIL #1/ A-17
158E	APPARATUS BAY	3'-0" x7'-0" x 1-3/4"	C	HM	PA		31	III	HM	PA	H5	J6, J8		
158F	APPARATUS BAY	3'-0" x7'-0" x 1-3/4"	C	HM	PA		30	III	HM	PA	H5	J6, J8		
158G	APPARATUS BAY	12'-0" x14'-0" x 21-3/4"	F	STEEL	FF		-					J1(SIM.)		FOUR FOLD DOOR SYSTEM REFER TO DETAIL #1/ A-17 SIM.
158H	APPARATUS BAY	12'-0" x14'-0" x 21-3/4"	F	STEEL	FF		-					J1(SIM.)		FOUR FOLD DOOR SYSTEM REFER TO DETAIL #1/ A-17 SIM.
158J	APPARATUS BAY	12'-0" x14'-0" x 21-3/4"	F	STEEL	FF		-					J1(SIM.)		FOUR FOLD DOOR SYSTEM REFER TO DETAIL #1/ A-17 SIM.
158K	APPARATUS BAY	3'-0" x7'-0" x 1-3/4"	C	HM	PA		30	II	HM	PA	H5	J6, J8		
201	COMPRESSOR ROOM	(2)3'-0" x7'-0" x 1-3/4"	D	HM	PA		28	V	HM	PA	H1	J2		

SCHEDULE OF GLASS TYPES

(REFER TO THE SECTION 088000 "GLAZING" OF THE SPECIFICATIONS

GL-1: 1/4" CLEAR FLOAT GLASS

GL-2: 1/4" CLEAR GLASS (TEMPERED)

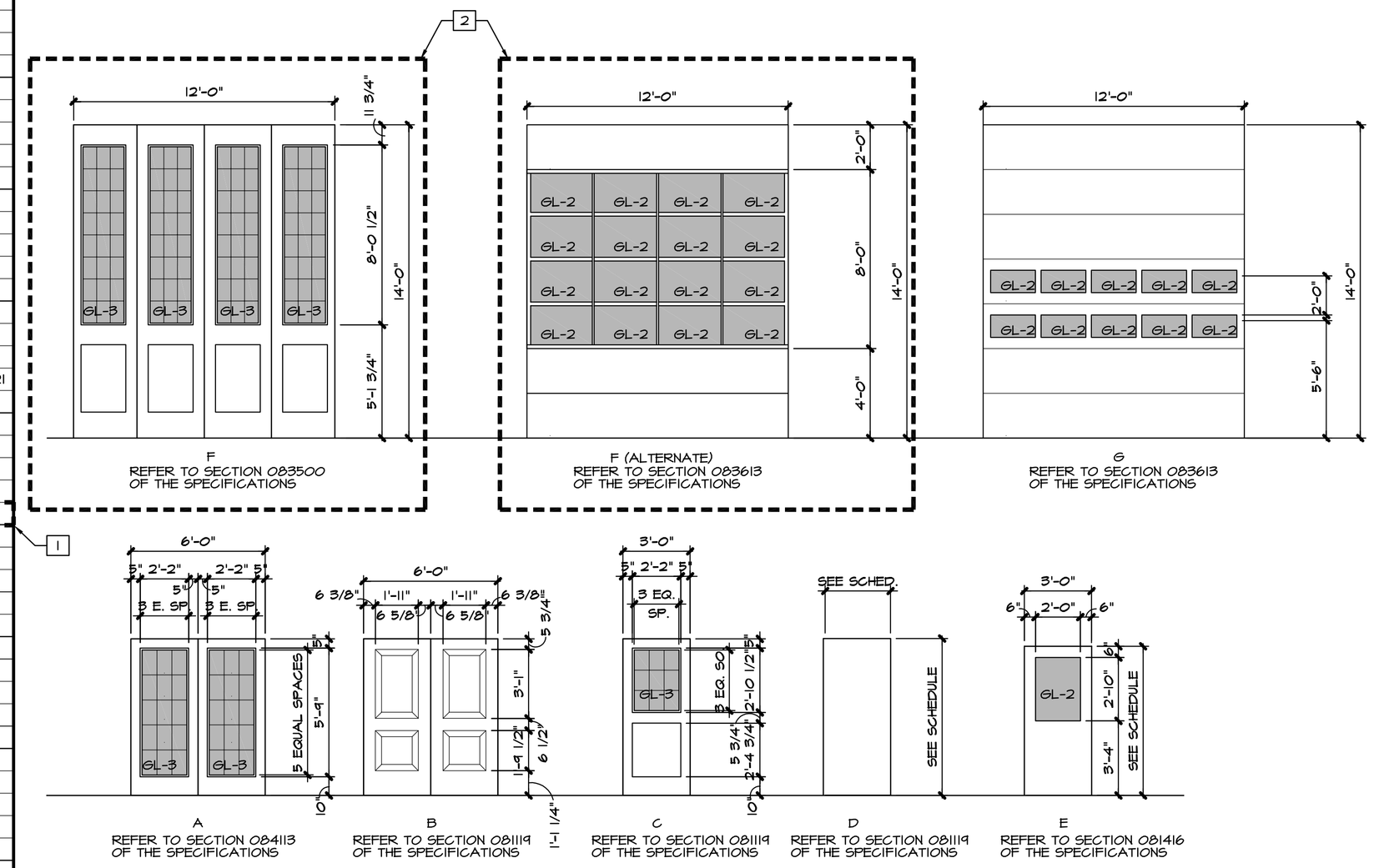
GL-3: LOW E TINTED INSULATED GLASS: INNER & OUTER LAYER 1/4" CLEAR TEMPERED GLASS WITH LOW E COATING ON NO. 3 FACE AND 1/2" AIR SPACE. PROVIDE SURFACE MOUNTED DIVIDERS ON EXTERIOR FACE WHERE INDICATED ON DRAWINGS.

GL-4: LOW E TINTED INSULATED GLASS: INNER & OUTER LAYER 1/4" CLEAR GLASS (TEMPERED) WITH LOW E COATING ON NO. 3 FACE AND 1/2" AIR SPACE. PROVIDE SURFACE MOUNTED DIVIDERS ON EXTERIOR FACE WHERE INDICATED ON DRAWINGS.

GL-5: LOW E INSULATED GLASS PROVIEDE BY WINDOW MANUFACTURER. PROVED DIVIDER GRILLES WHERE INDICATED ON DRAWINGS.

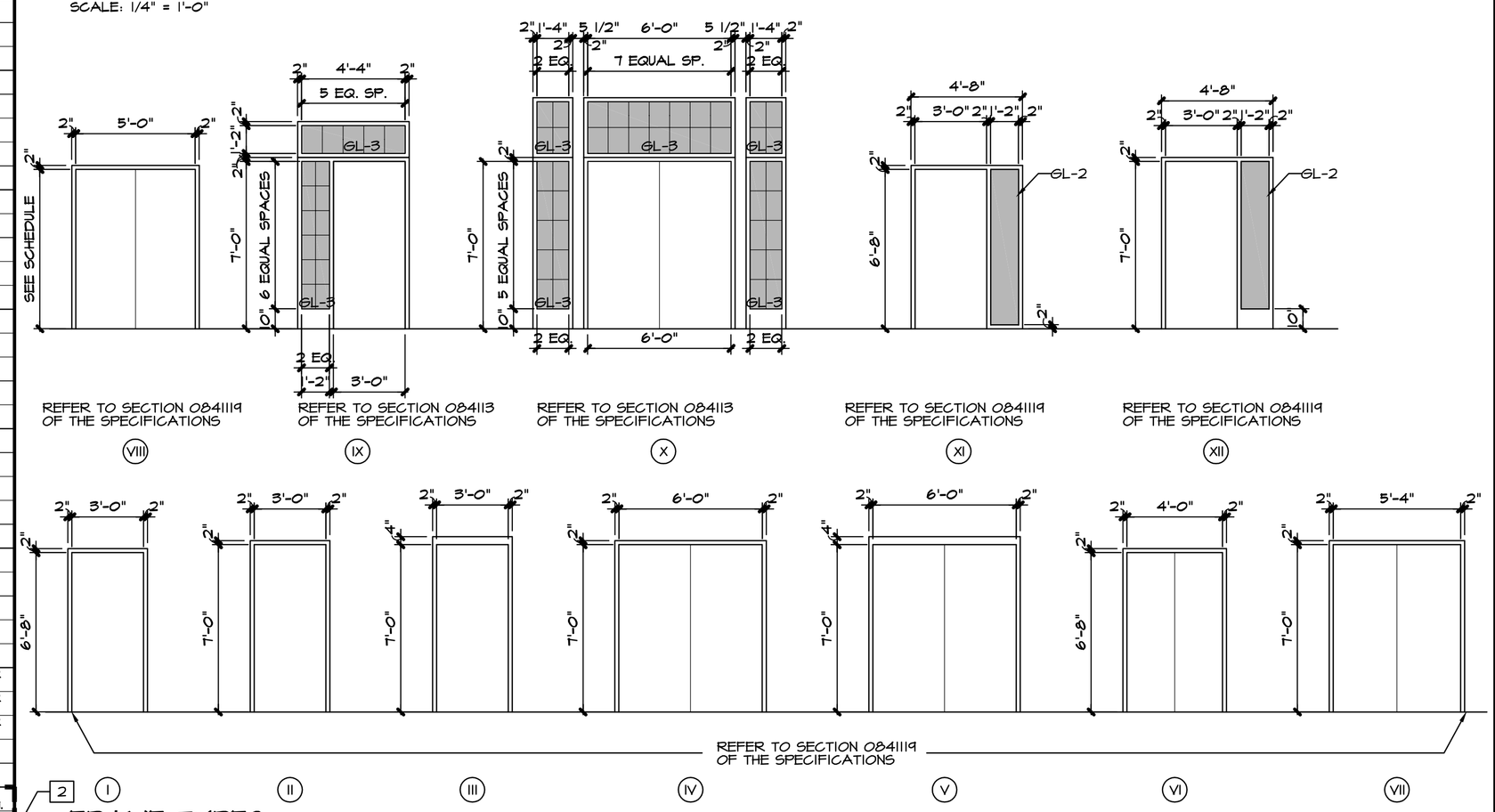
REFERENCE NOTES

1. ALTERNATE #1- DELETE DOOR # 126B.
2. ALTERNATE #2- REPLACE DOORS #158 G, H & J (FOUR FOLD DOOR SYSTEM) WITH OVERHEAD ROLLING DOORS, WITH (4) FULL WIDTH GLASS PANELS PER DOOR TYPE F (ALTERNATE) ELEVATION. ADDITIONALLY ADD INTERIOR BOLLARDS UNDER THIS ALTERNATE



DOOR TYPES

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



FRAME TYPES

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

CHMP INC.
5198 TERRITORIAL ROAD
GRAND BLANC, MI 48439
TELEPHONE 810/695-5910

ARCHITECTURE
ENGINEERING
LANDSCAPE ARCHITECTURE
SURVEYING

THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF CHMP INC. AND CANNOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF CHMP INC.
© 2014

NEW CONSTRUCTION FOR:

CHARTER TOWNSHIP OF FORT GRATIOT MUNICIPAL CENTER

3720 KEEWAHDIN ROAD, FORT GRATIOT, MICHIGAN 48059

PROJECT NO.	13003300
DATE	FEBRUARY 4, 2014
AS BUILT DATE	.
DRAWN BY	JMH
CHECKED BY	GM
SCALE	AS NOTED
ISSUED FOR:	
BIDDING	FEB. 18, 2014
2 ADDENDUM TWO	MAR. 7, 2014

SHEET NO.

A-11

OF 21