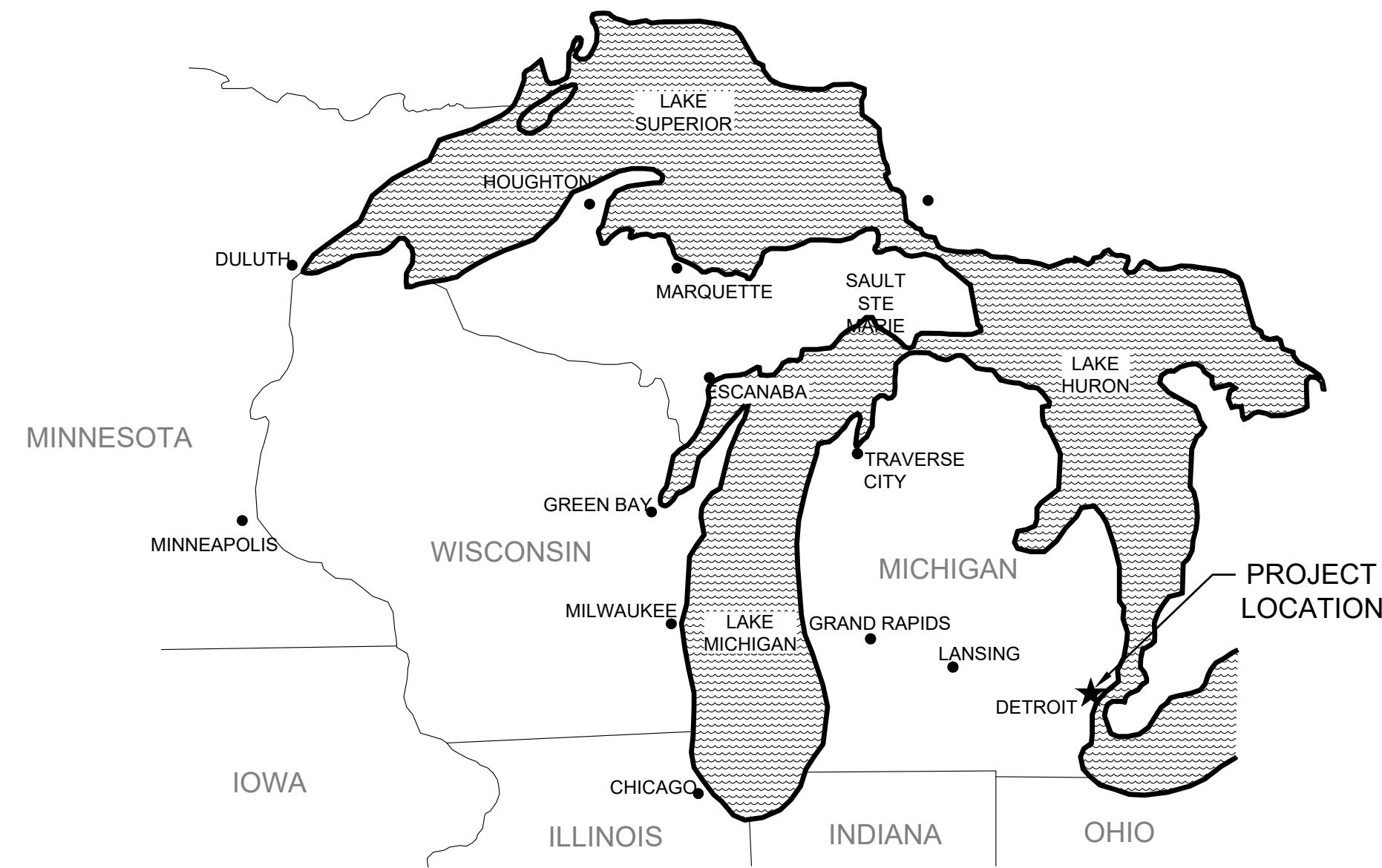


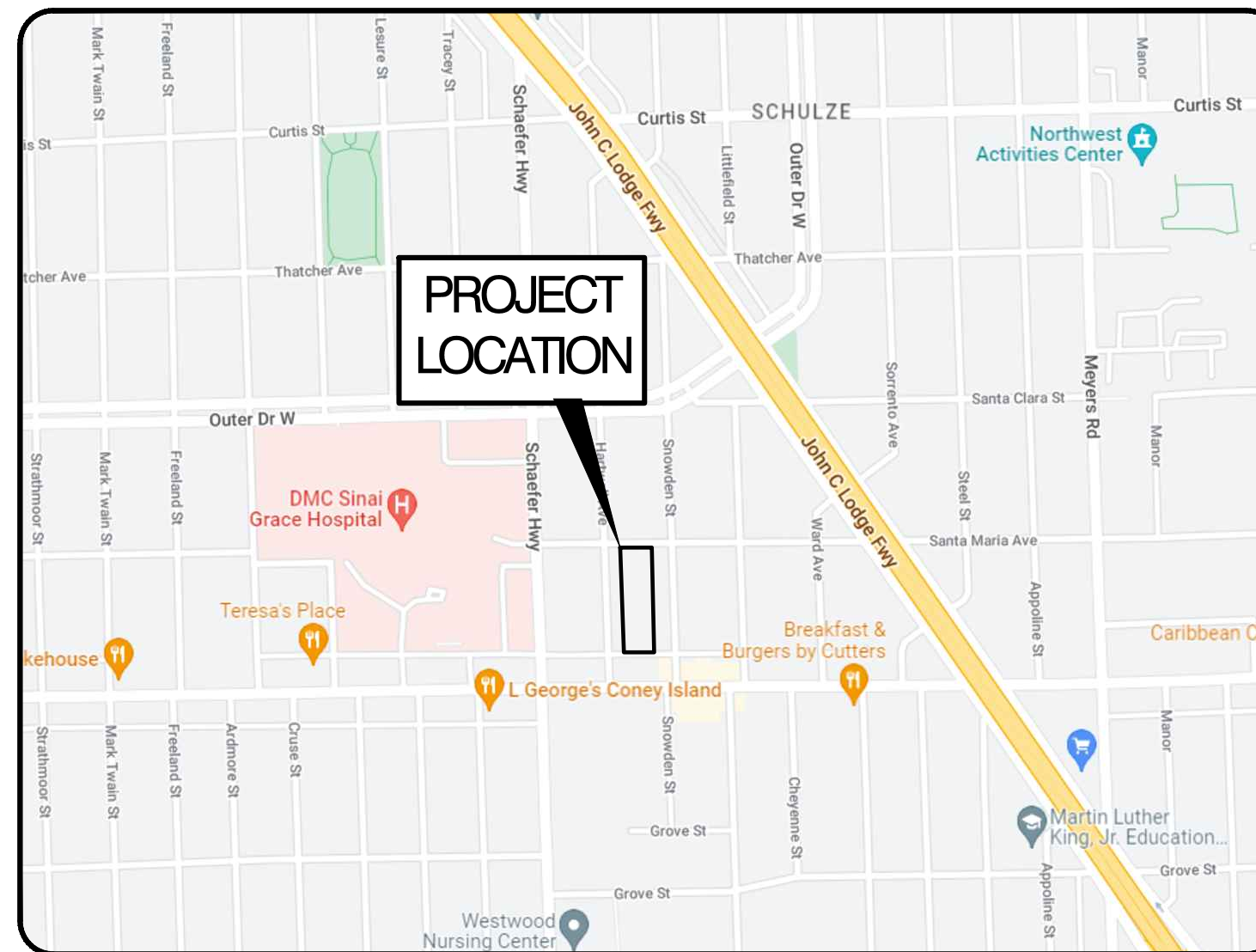
CITY OF DETROIT

ART ALLEYS - PHASE 1

HARTWELL-SNOWDEN WAYNE COUNTY, MICHIGAN



AREA LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



OWNER: GENERAL SERVICES DEPARTMENT
CONTACT: ROCHELLE RILEY
115 ERSKINE STREET,
DETROIT, MI 48201
313-480-5265

ENGINEER: OHM ADVISORS, INC.
CONTACT: PATRICK DROZE, PE
1145 GRISWOLD STREET, SUITE 200
DETROIT, MICHIGAN 48226
313-481-1252
PATRICK.DROZE@OHM-ADVISORS.COM



UTILITY PROVIDERS

SANITARY/WATER
DETROIT WATER AND SEWERAGE
735 RANDOLPH STREET
DETROIT, MI 48226
PHONE: 313-267-8000
EMAIL: KENOSHA.DAVIDSON@DETROITMI.GOV

ELECTRICITY
DETROIT EDISON
ONE ENERGY PLAZA, 518 SB
DETROIT, MI 48226
PHONE: 313-235-5632
EMAIL: DESIGN_MISSDIG@DTEENERGY.COM

TELEPHONE
ATT
54 N. MILL ST, 4TH FLOOR
PONTIAC, MI 48342
EMAIL: LD2154@ATT.COM
CONTACT: HEATHER VALLE-KNOBLAUCH

CABLE
COMCAST
25626 TELEGRAPH
SOUTHFIELD, MI 48034
PHONE: 248-809-2715
EMAIL: CRAIG_PUDAS@CABLE.COMCAST.COM
CONTACT: CRAIG PUDAS

SHEET INDEX

REVISION KEY

- NEW SHEET
- NOT REVISED
- ▲ REVISED

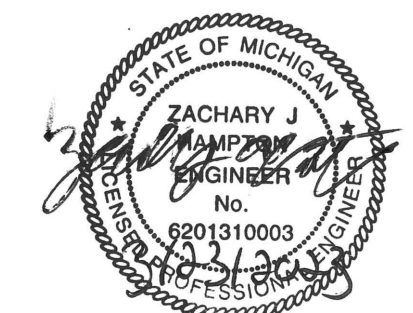
SHEET	SHEET TITLE	DATE	DESCRIPTION	ISSUE
C2	LEGEND	05/18/2023	BID PLANS	
C3	GENERAL NOTES			
C4	EXISTING CONDITIONS / TOPOGRAPHIC SURVEY			
C6	DEMOLITION			
C7	SITE LAYOUT PLAN			
C8	SITE LAYOUT PLAN - FENCING			
C9	GRADING PLAN			
C11	UTILITY PLAN			
C12-C14	SITE/CIVIL DETAILS			
C15	UTILITY DETAILS			

BID PLANS

OHM PROJECT NO. 7522-20-0010

DATE/ISSUE: 05/18/2023

I Certify That The Civil Plans Were Prepared
Under My Direct Supervision



WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT
- WATER SERVICE CONNECTION
- METER PIT
- ELECTRIC CABINET
- YARD HYDRANT
- CLEAN OUT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

EROSION CONTROL PLAN

- AGGREGATE TRACKING MAT
- INLET FILTER (PAVEMENT)
- LIMITS OF DISTURBANCE

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE
 - CL 1 1" TO 5"
 - CL 2 6" TO 17"
 - CL 3 18" TO 35"
 - CL 4 36" AND UP
- DECIDUOUS TREE
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST

- HAZARDOUS OR FLAMMABLE MATERIAL USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION - CRITICAL UNDERGROUND UTILITY USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER
- ADA SIDEWALK RAMP

PROPOSED PAVEMENT LEGEND

- PROPOSED CONCRETE PAVEMENT

PROPOSED PAVEMENT SURFACE TREATMENT LEGEND

- EXPOSED AGGREGATE
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED

UTILITY PATTERN

EXISTING

- ELECTRICAL *
- GAS/OIL
- CABLE/TELEPHONE *
- FIBER OPTIC *
- WATER
- SANITARY
- STORM

PROPOSED

- STORM/SANITARY/WATER
 - PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE
- *OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- HEAVY BRUSH, REM

- SALVAGE
- BULKHEAD
- ABANDON
- REMOVE
- ADJUST
- RELOCATE
- RECONSTRUCT
- REMOVE BY OTHERS
- ADJUST BY OTHERS
- RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- SALVAGE
- BULKHEAD
- ABANDON
- CLEARING
- REMOVE
- RELOCATE
- RECONSTRUCT
- RELOCATE BY OTHERS
- ADJUST BY OTHERS

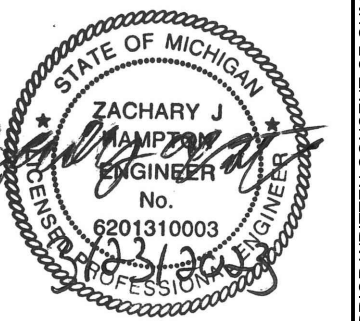
SPECIAL LEGEND

- PROPOSED LANDSCAPING AREA
- PROPOSED ALTERNATIVE LAWN MIX #1
- PROPOSED ALTERNATIVE LAWN MIX #2

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REVISIONS									
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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	WAYNE	MUNICIPALITY	DETROIT
7/22/2010	7522-00-010	ZJH	GCR	JS				

CITY OF DETROIT
ART ALLEYS - PHASE 1
LEGEND

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GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION
FOR THE PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CONTACT MISS DIG SYSTEM, INC. BY PHONE AT 811 OR 800-482-7171 OR VIA THE WEB AT EITHER ELOCATE.MISSDIG.ORG FOR SINGLE ADDRESS OR RTE.MISSDIG.ORG, A MINIMUM OF 3 BUSINESS DAYS PRIOR TO EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.

THE EXISTING UTILITIES SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED ON OUR SURVEYS. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO ITS ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

BENCH MARK ELEVATIONS

BENCHMARK ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988.

PROPERTY CORNERS

ANY PROPERTY CORNERS WITHIN THE FRONT OR BACK SLOPE SHALL BE STAKED AND PROTECTED BY RIBBON. THE REPLACEMENT OF ANY PROPERTY CORNERS THAT ARE DAMAGED UNNECESSARILY BY THE CONTRACTOR'S OPERATIONS WILL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR. RE-ESTABLISHMENT OF ALL PROPERTY CORNERS WILL BE PERFORMED BY A MICHIGAN LICENSED PROFESSIONAL SURVEYOR AT THE CONTRACTORS EXPENSE.

UTILITY NOTES

- UNLESS SPECIFICALLY NOTED FOR REMOVAL ON THE CONSTRUCTION PLANS, ALL SIDEWALK, PATHS, DRIVES AND ABOVE GROUND UTILITIES DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED, INCIDENTAL TO THE COST OF CONSTRUCTION, AT NO EXPENSE TO THE OWNER.
- EXISTING WATER MAINS, GAS MAINS AND UNDERGROUND TELEPHONE, ELECTRIC AND CABLE TELEVISION CONDUITS AND/OR LINES ARE SHOWN ONLY IN THE PLAN VIEW OF THE CONSTRUCTION DRAWINGS. THE EXACT DEPTH OF THESE UTILITIES IS NOT KNOWN AND THEREFORE, NO ATTEMPT HAS BEEN MADE TO SHOW SUCH UTILITIES IN THE PROFILE OF THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THESE UTILITIES WHICH ARE NOT WITHIN THE SPACE OCCUPIED BY COMPLETED PIPES OR STRUCTURES THAT ARE A PART OF THIS CONTRACT. DURING CONSTRUCTION, IF DAMAGED OR DESTROYED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS TO REPAIR OR REPLACE THEM AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL PROTECT EXISTING STORM, WATER MAIN, COMBINED AND SANITARY SEWERS IN A MANNER ACCEPTABLE TO THE ENGINEER DURING THE PROPOSED CONSTRUCTION. ANY UTILITY, WHICH IS TO REMAIN IN SERVICE, THAT IS DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT POINTS OF POSSIBLE CONFLICT SO THAT THESE CONFLICTS CAN BE RESOLVED.
- CONTRACTOR TO COORDINATE ALL EXISTING GAS MAIN AND SERVICE LEAD CONFLICTS WITH DTE GAS AT LEAST 3 WORKING DAYS PRIOR TO RELOCATION. PLEASE CONTACT BASIL DJASMATI (248) 825-4636 TO SCHEDULE RELOCATION.
- SEWER PIPE WITHIN A 1:1 INFLUENCE OF THE ROAD SHALL BE BACKFILLED WITH MDOT CLASS II SAND. SEWERS OUTSIDE OF THE ROAD INFLUENCE MAY BE BACKFILLED WITH CLEAN, JOB EXCAVATED MATERIAL.
- ALL STORM SEWER CONSTRUCTED FOR THIS PROJECT SHALL BE CLASS IV C76 REINFORCED CONCRETE UNLESS NOTED OTHERWISE ON THE PLANS.

TRASH SERVICES

DURING CONSTRUCTION, THE CONTRACTOR SHALL WORK TO MAINTAIN ACCESS TO TRASH PICKUP AREAS WHENEVER POSSIBLE. IF THIS IS NOT POSSIBLE DUE TO ACTIVE CONSTRUCTION, IMPASSIBLE GRADE, CONCRETE CURE OR OTHER CONSTRUCTION RELATED IMPACTS, THE CONTRACTOR SHALL ARRANGE FOR AN ALTERNATIVE PICKUP LOCATION AT NO ADDITIONAL COST TO THE OWNER.

WORK ON PRIVATE PROPERTY

AS PART OF THIS PROJECT, WORK WILL BE REQUIRED ON PRIVATELY OWNED PROPERTY. BEFORE ANY WORK IS COMMENCED ON PRIVATE PROPERTY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN WRITTEN PERMISSION FROM THE PROPERTY OWNER WHICH WILL BE OBTAINED BY ACE. THE CONTRACTOR SHALL NOT CONTACT THE PROPERTY OWNER DIRECTLY UNLESS TOLD TO DO SO BY ACE. WHILE WORK IS UNDERWAY, THE CONTRACTOR SHALL ENSURE THAT ACCESS TO THE PROPERTY IS UNIMPEDED AND WORK PRODUCT IS LEFT IN A SAFE MANNER AT THE CONCLUSION OF THE WORK DAY. ONCE WORK IS COMPLETE, THE CONTRACTOR SHALL NOTIFY ACE.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT FULL DEPTH THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

OPEN EXCAVATIONS

THE PLACEMENT OF PROTECTIVE FENCING AROUND ALL OPEN EXCAVATIONS IS REQUIRED. THIS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT UNIT PRICE BID FOR MOBILIZATION.

REMOVING PAVEMENTS

THE CONTRACTOR SHALL CONDUCT PAVEMENT REMOVAL OPERATIONS SO THAT THE STREETS AND DRIVEWAYS ARE REMOVED IMMEDIATELY AHEAD OF THE GRADING OPERATIONS IN ORDER THAT THE STREETS AND DRIVEWAYS MAY BE OPENED TO RESIDENTIAL TRAFFIC IN A TIMELY FASHION.

THE PAYMENT FOR REMOVING PAVEMENT SHALL FOLLOW THE PRICE AND PAYMENT PROCEDURES SECTION OF THE PROJECT SPECIFICATIONS. THE QUANTITIES SHOWN FOR PAVEMENT REMOVAL ARE ESTIMATED AND THE EXACT MEASUREMENT AND PAYMENT WILL BE VERIFIED DURING CONSTRUCTION. REFER TO THE PAVEMENT CORES LOCATED IN THE PROPOSAL.

PAVEMENT MARKINGS

PAVEMENT MARKINGS SHALL BE WITNESSED AND REPLACED IN-KIND WHEN IMPACTED BY THE WORK. IN THE EVENT THAT PAVEMENT MARKINGS CANNOT BE PLACED DUE TO SEASONAL LIMITATIONS, TEMPORARY MARKINGS SHALL BE PLACED BY THE CONTRACTOR AND REPLACED WITH PERMANENT MARKINGS AT NO ADDITIONAL EXPENSE TO THE OWNER.

PIPE MATERIAL

UNLESS OTHERWISE NOTED, ALL STORM SEWER SHALL BE CLASS IV C76 REINFORCED CONCRETE.

MISCELLANEOUS

AUDIO-VISUAL SURVEY
AN AUDIO-VISUAL SURVEY OF THE PROJECT CONDITIONS IS REQUIRED PRIOR TO COMMENCING WORK WITHIN THE PROJECT AREA. A PLAN FOR SCHEDULING AUDIO VISUAL INSPECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

PROPERTY OWNERS
THE NAMES OF PROPERTY OWNERS SHOWN ON THE PLANS ARE FOR INFORMATION ONLY, AND THEIR ACCURACY IS NOT GUARANTEED.

ADJUSTING MONUMENT BOXES
ALL GOVERNMENT CORNERS ON THIS PROJECT SHALL BE PRESERVED, WHETHER SHOWN OR NOT. IT MAY BE NECESSARY TO PLACE OR ADJUST MONUMENT BOXES, AS REQUIRED.

SOIL BORINGS
THE SOIL BORING ON THE CONSTRUCTION SHEETS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING.

CONSTRUCTION
ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF DETROIT.

UNDERGROUND CONFLICTS

THE CONTRACTOR SHALL EXPOSE EXISTING STORM SEWERS, SANITARY SEWERS, WATER MAIN AND PRIVATE UTILITIES TO VERIFY EXISTING ELEVATIONS BEFORE COMMENCING WORK ON A PROPOSED STORM SEWER OR WATER MAIN THAT IS TO CROSS OTHER UTILITIES. THIS WORK WILL NOT BE PAID AS EXPLORATORY EXCAVATION UNLESS PREVIOUSLY AUTHORIZED BY THE ENGINEER.

STREET SIGNS

THE CONTRACTOR SHALL SALVAGE AND RESET SIGNS WITHIN THE WORK ZONE. ALL SIGNS NOT REUSED IN THE PROJECT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

UTILITY CROSSINGS AT DRIVEWAYS

ALL UTILITY CROSSINGS AT DRIVEWAYS SHALL BE BACKFILLED IMMEDIATELY FOLLOWING PIPE INSTALLATION TO MAKE THESE DRIVEWAYS ACCESSIBLE.

INCIDENTAL ITEMS

ANY ITEMS OF WORK INDICATED AS INCIDENTAL OR INCLUDED SHALL BE CONSIDERED AS PART OF THE PROJECT WORK AND SHALL BE COMPLETED AT NO ADDITIONAL EXPENSE TO THE OWNER. INCIDENTAL OR INCLUDED ITEMS SHALL INCLUDE LABOR, MATERIALS, AND EQUIPMENT THAT MAY NOT BE SPECIFICALLY LISTED IN THE BID FORM OR IN THE DRAWINGS OR SPECIFICATIONS, BUT WHICH ARE NECESSARY TO COMPLETE THE WORK.

SOILS AND EARTHWORK

- SOIL INVESTIGATIONS HAVE NOT BEEN PERFORMED FOR THIS PROJECT. PRESUMPTIVE LOAD-BEARING VALUES TO BE IN ACCORDANCE WITH MICHIGAN BUILDING CODE TABLE 1806.3, UNLESS NOTED OTHERWISE. FOUNDATION DESIGN IS BASED ON A NET ALLOWABLE BEARING CAPACITY OF 1500 PSF.
- CONTRACTOR SHALL VERIFY SOIL BEARING CAPACITY PRIOR TO CONSTRUCTION.
- SPECIAL DESIGN AND CONSTRUCTION PROVISIONS FOR THIS PROJECT'S FOUNDATIONS
 - NONE.
- INCLUDE IN THE WORK PROVIDING ALL EQUIPMENT, MATERIALS, AND QUALIFIED LABOR NECESSARY FOR EXCAVATION, SHORING, DEWATERING SYSTEMS, BACKFILL, AND COMPACTION OF SOILS, AS REQUIRED TO CONSTRUCT STRUCTURES TO THE LINE AND GRADE AS SHOWN ON THE PLANS.
- FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL TELEPHONE (800)-482-7171 NOT LATER THAN THREE BUSINESS DAYS PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES. ALL "MISS DIG" PARTICIPATING MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING OWNERS WHO MAY NOT BE PART OF THE "MISS DIG" ALERT SYSTEM.
- EXCAVATE TO ELEVATIONS AND DIMENSIONS SHOWN ON THE PLANS WITHIN A TOLERANCE OF ± 0.10 FEET. EXCAVATE BY HAND TO FINAL GRADE FOR FOOTINGS. NOTIFY THE ENGINEER FOR AN INSPECTION WHEN THE EXCAVATION HAS REACHED SUB-GRADE ELEVATION. IF UNSUITABLE BEARING MATERIALS ARE ENCOUNTERED AT SUB-GRADE ELEVATION, EXCAVATE AND REPLACE SUCH MATERIAL AS DIRECTED BY ENGINEER.
- SATISFACTORY SOIL MATERIALS ARE DEFINED AS GRANULAR MATERIALS CLASSIFIED AS GW, GP, GM, SW, SP, SW-SM, SP-SM, OR SM BY THE UNIFIED SOILS CLASSIFICATION SYSTEM, ASTM D2487. LIMIT AMOUNT OF FINE MATERIAL PASSING NO.200 SIEVE TO LESS THAN 5% MAXIMUM.
- UNSATISFACTORY SOIL MATERIALS ARE SOILS CLASSIFIED AS GC, SW-SC, SP-SC, SC, ML, MH, CL, CH, OL, AND PT BY THE UNIFIED SOIL CLASSIFICATION SYSTEM, OR ANY ORGANIC MATERIAL. "MARL" IS AN UNSATISFACTORY SOIL MATERIAL.
- BACKFILL ALL STRUCTURAL WORK WITH SATISFACTORY SOIL MATERIALS AND ENGINEERED FILL AS SHOWN ON THE PLANS. DO NOT BACKFILL WITH FROZEN MATERIALS. DO NOT PLACE ROCKS LARGER THAN 3" DIAMETER IN BACKFILL. COMPACT SOILS BELOW FOOTINGS TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR, ASTM D1557.
- COMPACT BACKFILL IN LAYERS TO MINIMUM 95% MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR, OR MICHIGAN CONE TEST.



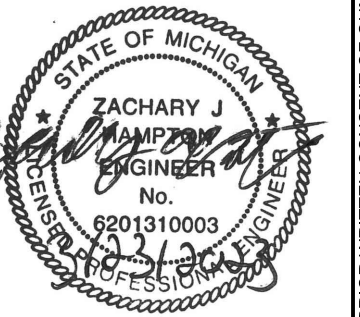
ARCHITECTS ENGINEERS PLANNERS

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REVISIONS

MUNICIPALITY
DETROIT

COUNTY
WAYNE

CAZD
JS

PROJ MGR
GCR

ENG
ZJH

PROJ NUMBER
7822-20-010

DATE

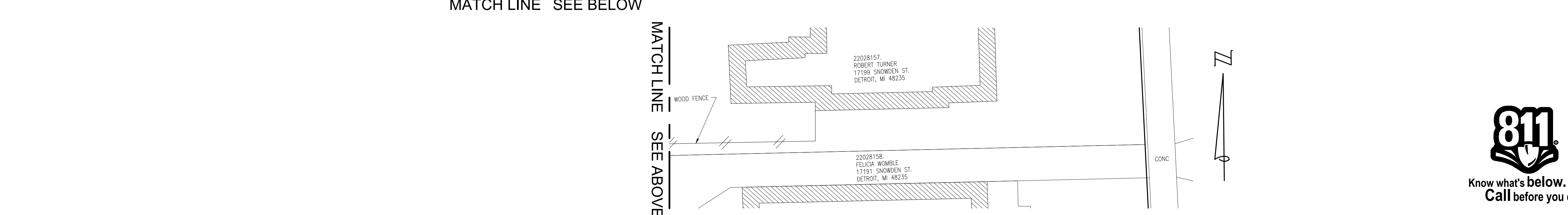
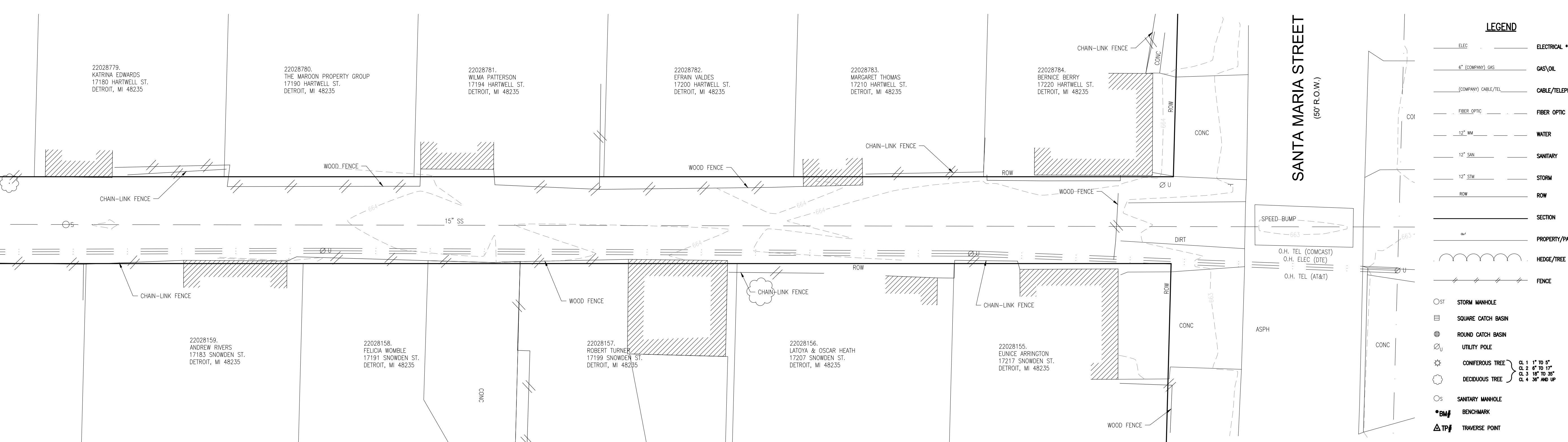
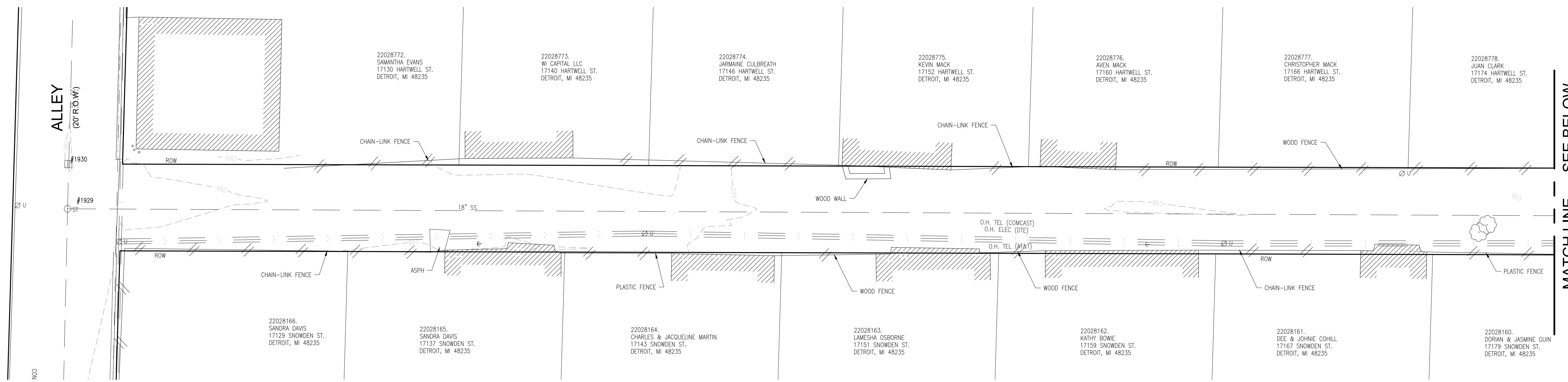
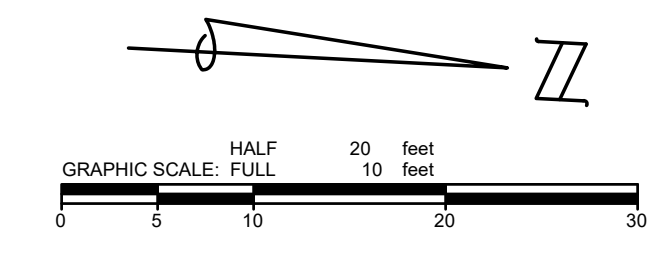
SHEET

C3

CITY OF DETROIT
ART ALLEYS - PHASE 1
GENERAL NOTES SHEET

HARTWELL-SNOWDEN ARTS ALLEY

(16' R.O.W.)



LEGEND

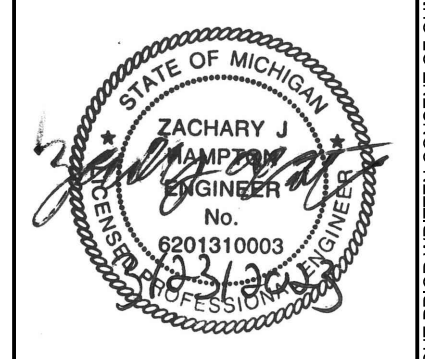
	ELECTRICAL *
	6" (COMPANY) GAS
	(COMPANY) CABLE/TEL
	FIBER OPTIC *
	12" WM
	12" SAN
	12" STM
	ROW
	SECTION
	PROPERTY/PARCEL
	HEDGE/TREE
	FENCE
	STORM MANHOLE
	SQUARE CATCH BASIN
	ROUND CATCH BASIN
	UTILITY POLE
	CONIFEROUS TREE
	DECIDUOUS TREE
	SANITARY MANHOLE
	BM#
	TP#

SANTA MARIA STREET
(60' R.O.W.)

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REVISIONS	MUNICIPALITY	DETROIT
	COUNTY	WAYNE
	CADD	AS
	PROJ.MGR	ZRH
	ENG	GCR
DATE	PROJ.NUMBER	7592-24010

CITY OF DETROIT
ART ALLEYS - PHASE 1
EXISTING CONDITIONS / TOPOGRAPHIC SURVEY



SHEET C4

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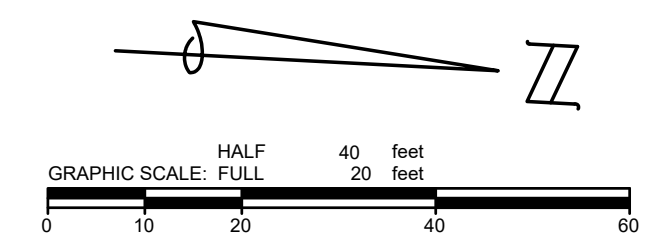
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HARTWELL-SNOWDEN ARTS ALLEY

(16' R.O.W.)

SNOWDEN STREET

(50' R.O.W.)

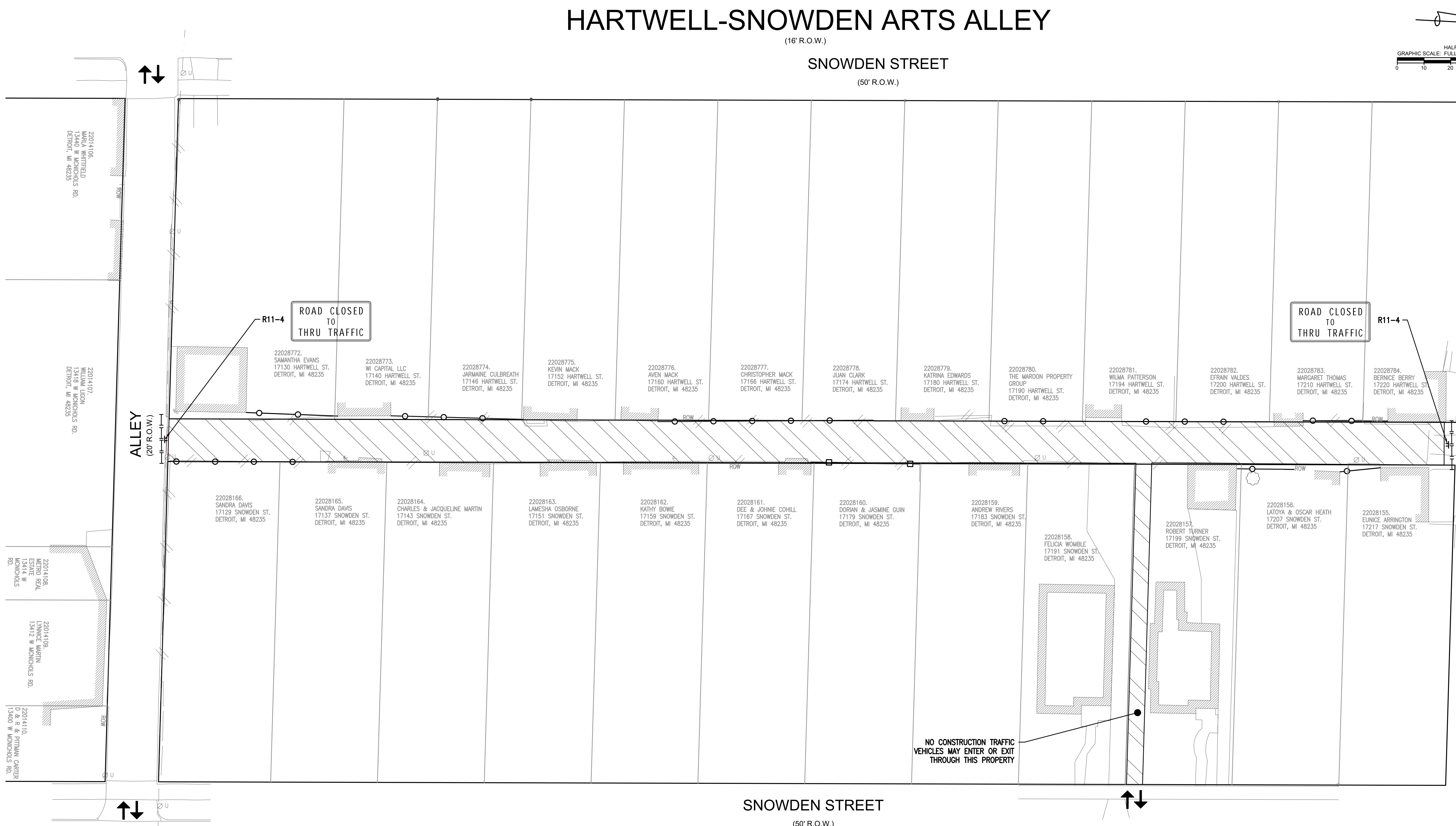
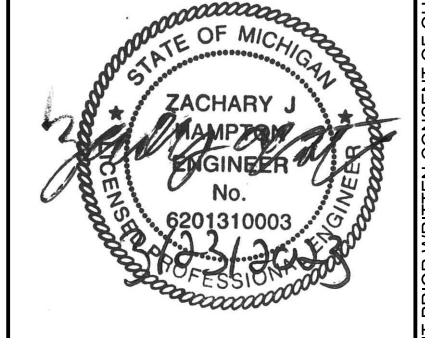


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STAGING AND PROGRESS OF THE WORK

THE CONTRACTOR SHALL REVIEW ALL ASPECTS OF THE CONTRACT AND COORDINATE WORK SUCH THAT IMPACTS ARE LIMITED WHERE PRACTICABLE. THIS INCLUDES A METHODOICAL PROGRESSION OF THE WORK THAT LIMITS IMPACTS TO STREETS.

DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE ALLEY IS PROPERLY PROTECTED & SECURED. OPEN EXCAVATIONS SHALL BE BACKFILLED AND PROTECTED AT THE CONCLUSION OF THE WORK DAY.

STAGING AREAS

AS PART OF THIS PROJECT, STAGING AREAS MAY BE IDENTIFIED AND USED FOR THE STORAGE OF AGGREGATES, EXCAVATED MATERIALS, PIPE, EQUIPMENT. ALL STAGING AREAS SHALL BE PER THE APPROVAL OF GSD

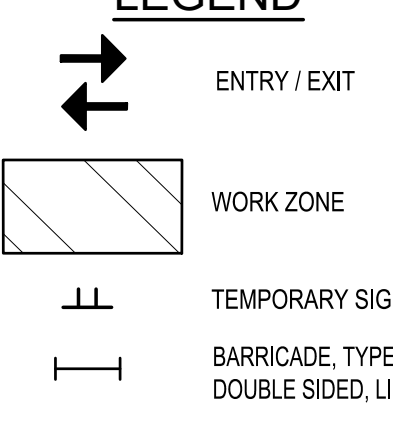
USE OF OTHER PROPERTY WITHIN OR AROUND THE PROJECT AREA WILL REQUIRE WRITTEN APPROVAL FROM THE PROPERTY OWNER.

TRAFFIC CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES. ALL TRAFFIC CONTROL SHALL BE PER THE LATEST VERSION OF THE MICHIGAN MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND IN WORKING ORDER.

IF WORK IS REQUIRED WITHIN THE ROAD ROW, CLOSURES PER MDOT MAINTAINING TRAFFIC TYPICAL NO. 4110A-M-TR-NFW-SL SHALL BE IMPLEMENTED. IF WORK AFFECTS THE SIDEWALK, FULL SIDEWALK CLOSURES & DETOURS SHALL BE IMPLEMENTED.

LEGEND



NOTE:
STAGING AND CONSTRUCTION SIGNAGE TO BE PRESENT DURING CONSTRUCTION ONLY.



DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
04/11/2023	7592-20010	ZJH	GCR	JS	WAYNE	DETROIT

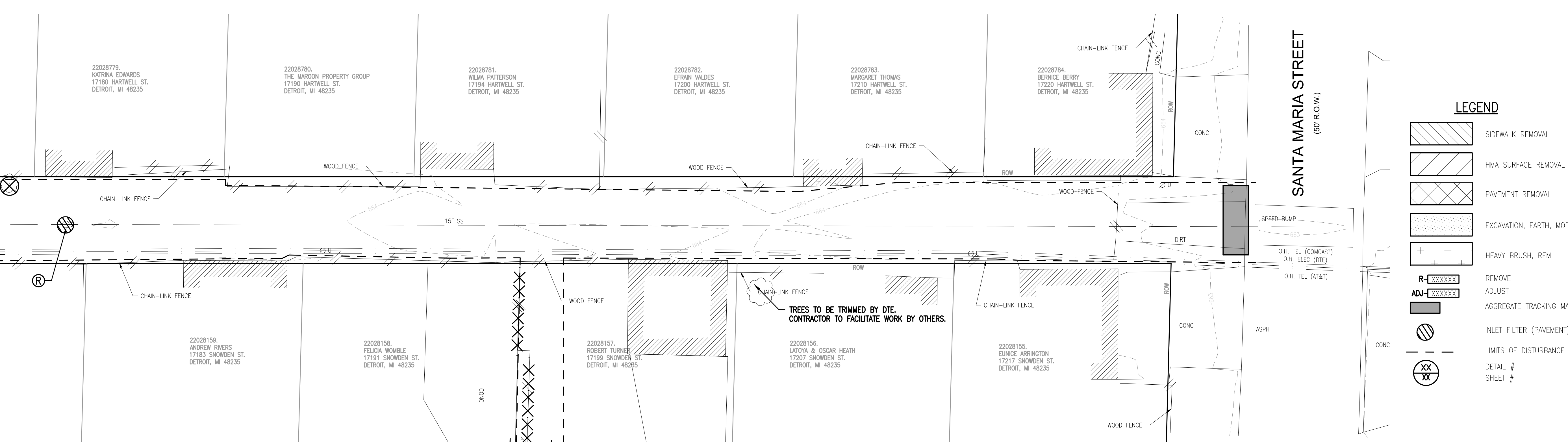
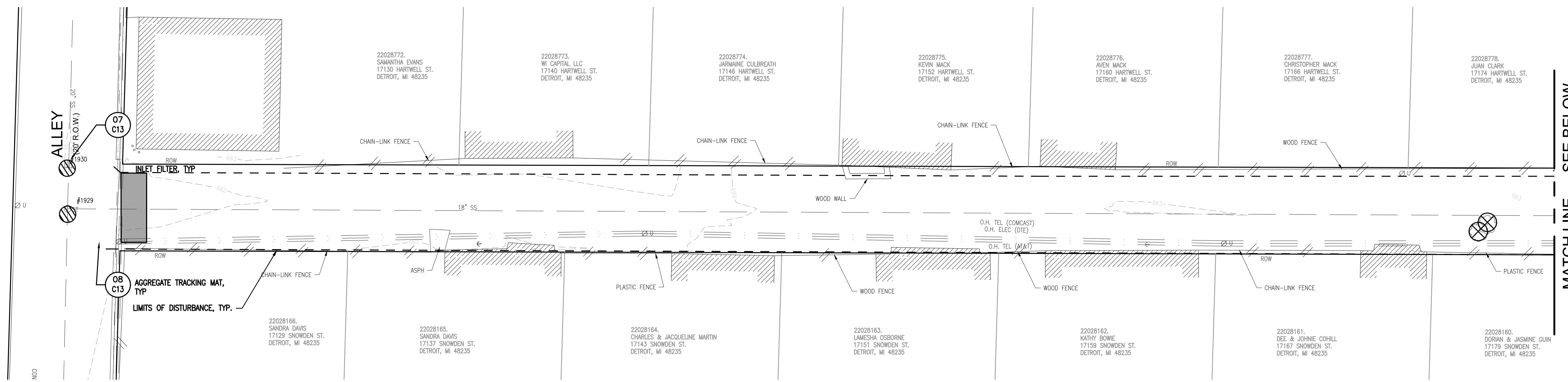
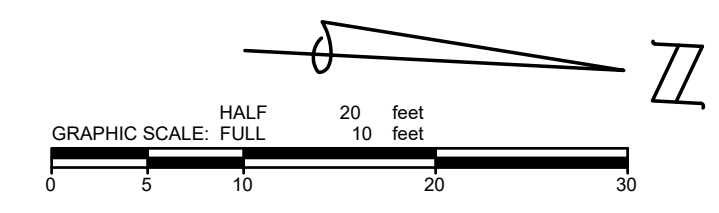
CITY OF DETROIT
ART ALLEYS - PHASE 1
ACCESS AND STAGING PLAN

C5

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HARTWELL-SNOWDEN ARTS ALLEY

(16' R.O.W.)



LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- EXCAVATION, EARTH, MODIFIED
- HEAVY BRUSH, REM
- REMOVE
- ADJUST
- AGGREGATE TRACKING MAT
- INLET FILTER (PAVEMENT)
- LIMITS OF DISTURBANCE
- DETAIL #
- SHEET #

TREES TO BE TRIMMED BY DTE.
CONTRACTOR TO FACILITATE WORK BY OTHERS.

SANTA MARIA STREET
(50' R.O.W.)

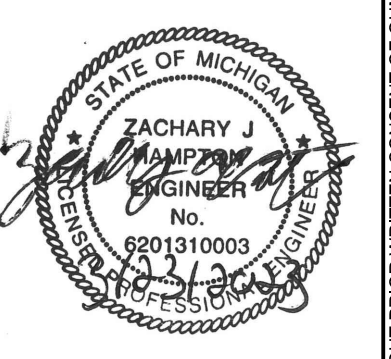


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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
	7592-24010	ZJH	GCR	JS	WAYNE	DETROIT
CITY OF DETROIT ART ALLEYS - PHASE 1 DEMOLITION						

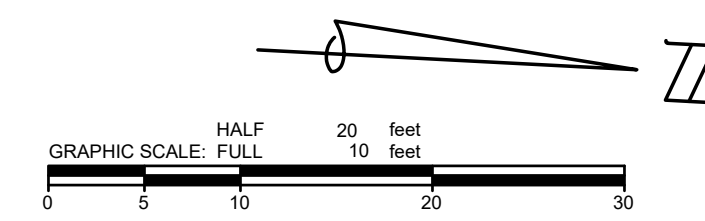
SHEET **C6**

DRAWING PATH: P:\7501_7600\52222010_Art Alleys\Drawings\Civil\Removal\22010\REM_SCHULZE.dwg Sep 18, 2023 - 5:15pm

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HARTWELL-SNOWDEN ARTS ALLEY

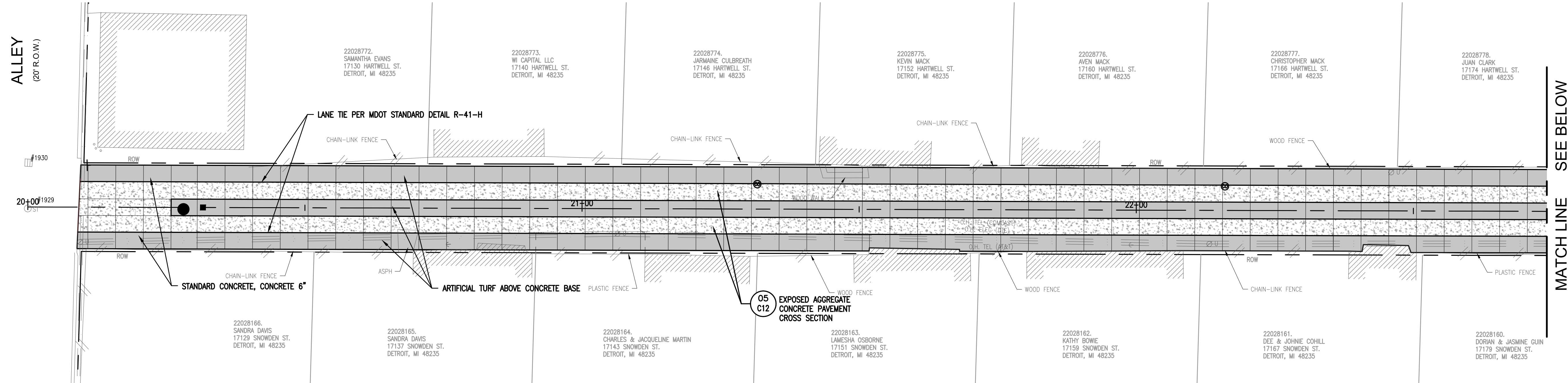
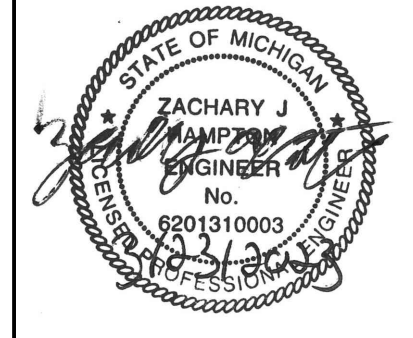
(16' R.O.W.)



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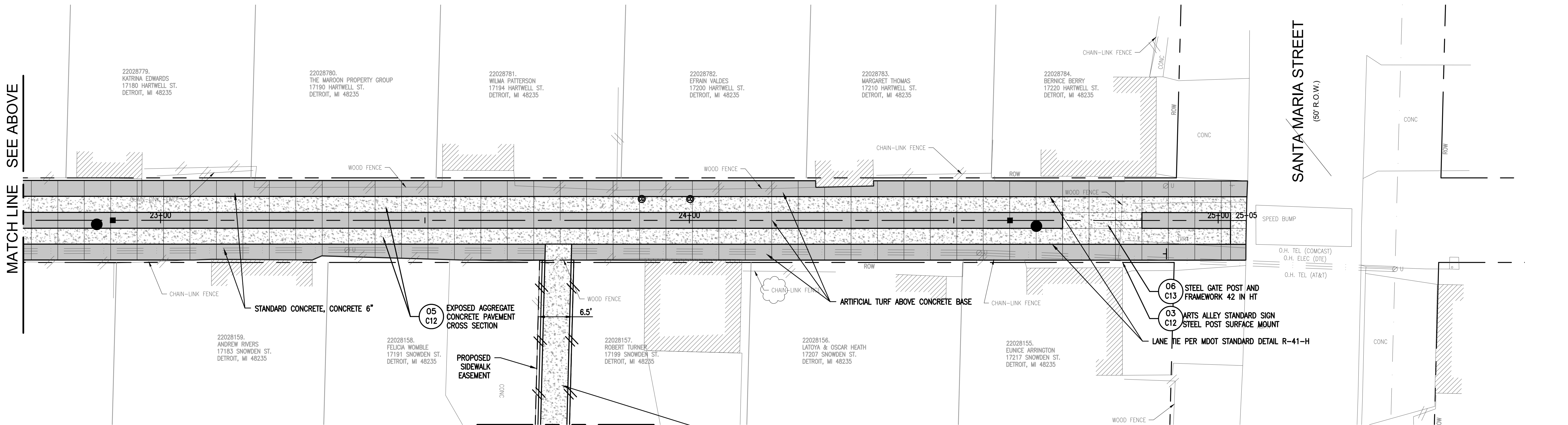


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MATCH LINE SEE ABOVE

MATCH LINE SEE BELOW



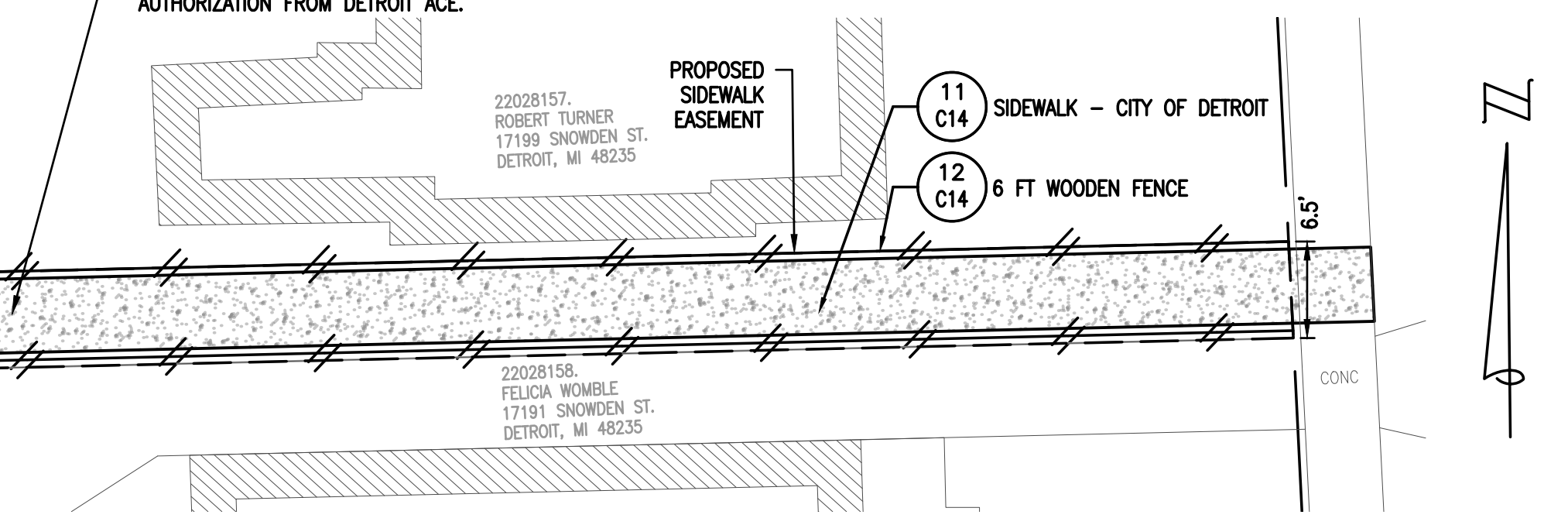
LEGEND

- PROPOSED CONCRETE PAVEMENT
- DETAIL #
SHEET #
- PROPOSED LANDSCAPING AREA
- PROPOSED ALTERNATIVE LAWN MIX #1
- PROPOSED ALTERNATIVE LAWN MIX #2

NOTE:
CONTRACTOR TO REVIEW LOCATIONS FOR SITE FURNISHINGS WITH OWNER AND ENGINEER PRIOR TO FINAL INSTALLATION. MODIFICATIONS TO LOCATIONS MAY BE MADE AT THE DISCRETION OF THE OWNER AT NO ADDITIONAL COST.

WORK ON PRIVATE PROPERTY NOT TO BE UNDERTAKEN WITHOUT WRITTEN AUTHORIZATION FROM DETROIT ACE.

MATCH LINE SEE ABOVE



SANTA MARIA STREET
(60' R.O.W.)

REVISIONS

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
7/22/2010	Z-H	GCR	JS	WAYNE	DETROIT	

CITY OF DETROIT
ART ALLEYS - PHASE 1
SITE LAYOUT PLAN



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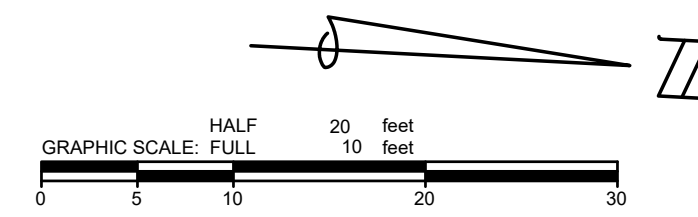
C7

DRAWING PATH: P:\7501_76001\52222010_Arts_Alleys\Drawings\Civil\Plans_Const\120010SITE_SCHULZE.dwg Sep 18, 2023 5:16pm

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HARTWELL-SNOWDEN ARTS ALLEY

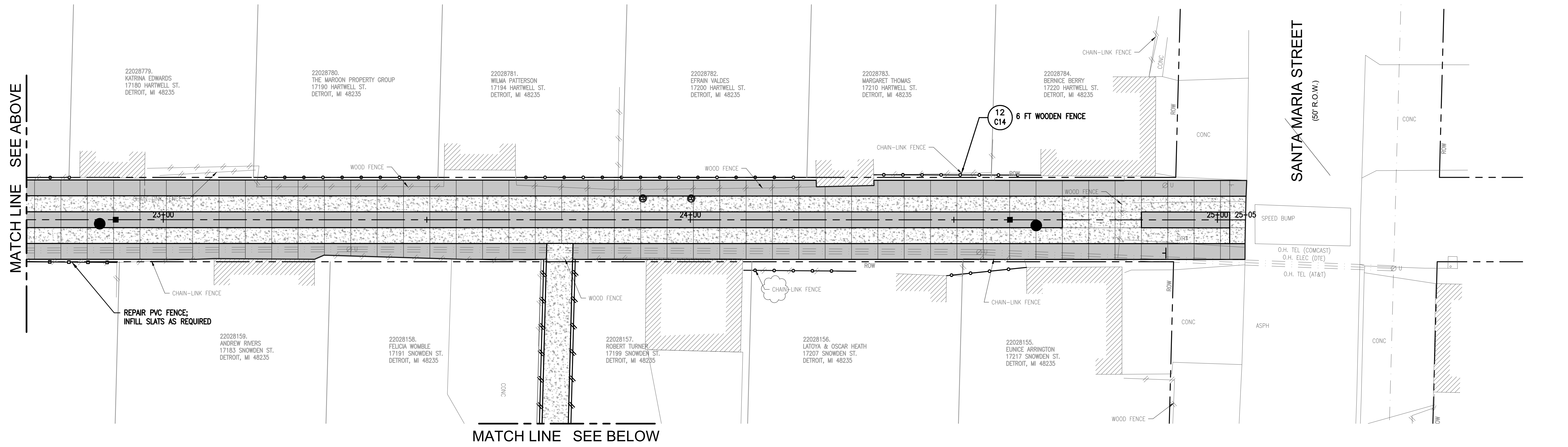
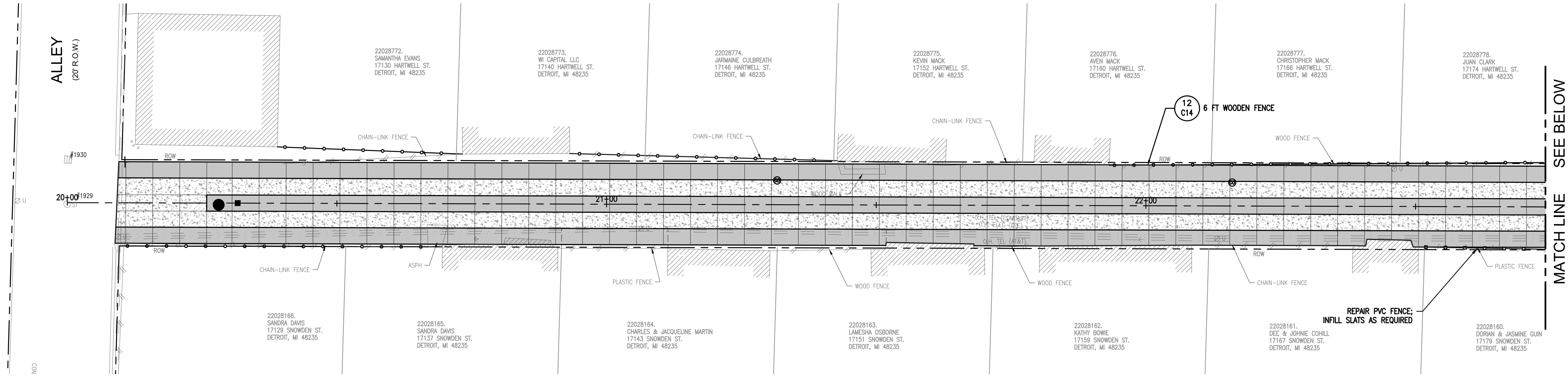
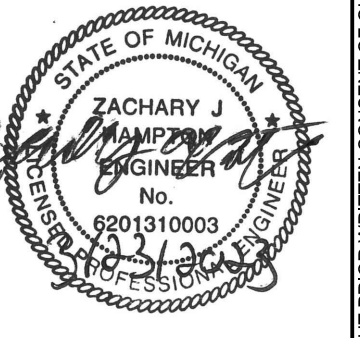
(16' R.O.W.)



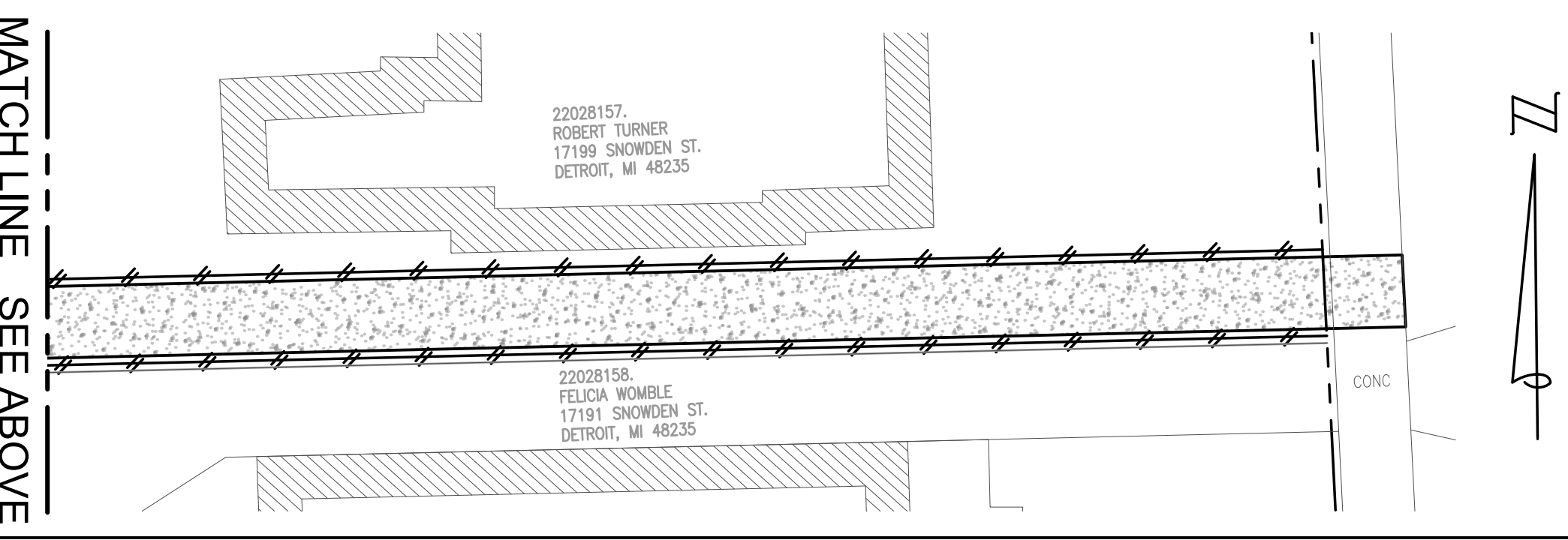
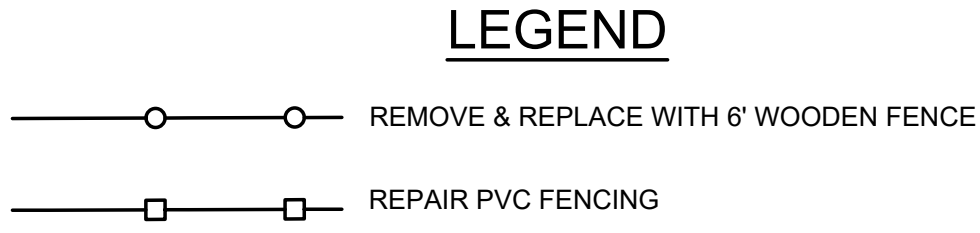
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FENCING QUANTITIES	
REM CHAIN LINK FENCE	212 FT
REM WOODEN FENCE	177 FT
REPAIR PVC FENCE	40 FT
NEW 6' WOODEN FENCE	637 FT



DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MINICIPALITY
7/22/2010	Z-H	GCR	IS	WAYNE	DETROIT	

CITY OF DETROIT
ART ALLEYS - PHASE 1
SITE LAYOUT PLAN - FENCING

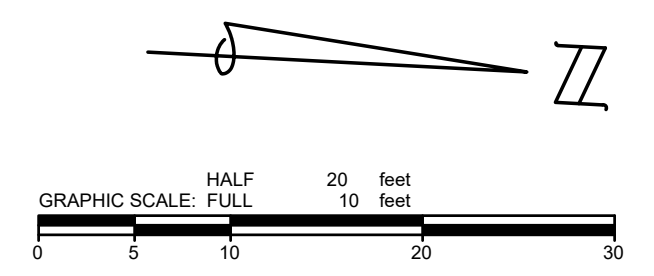
SHEET C8

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HARTWELL-SNOWDEN ARTS ALLEY

(16' R.O.W.)

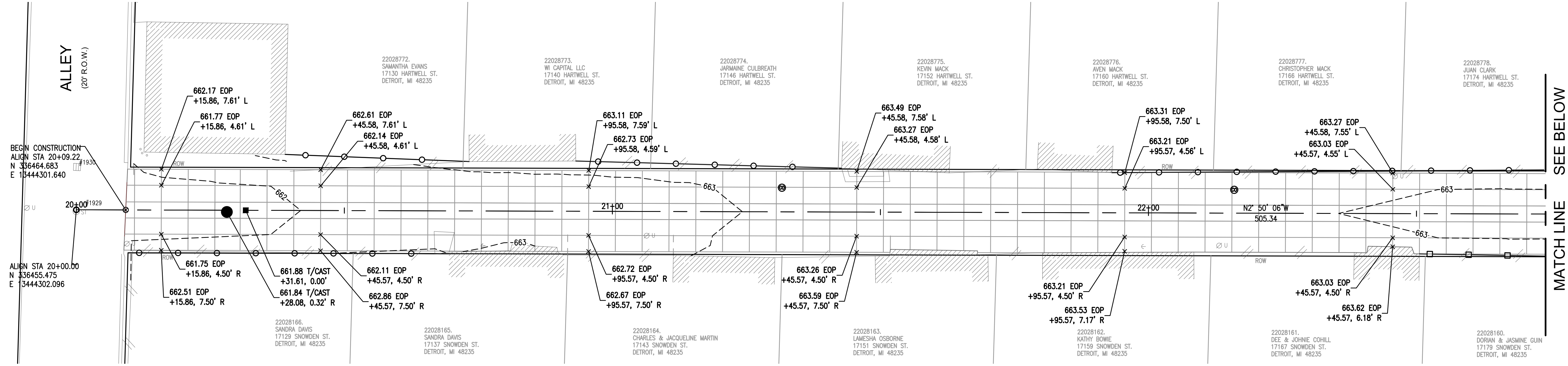
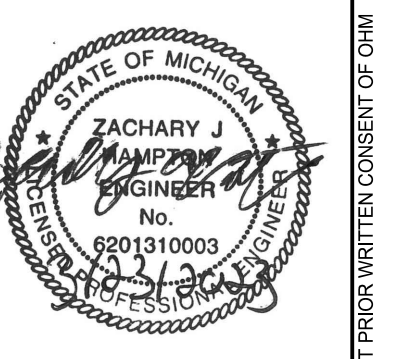


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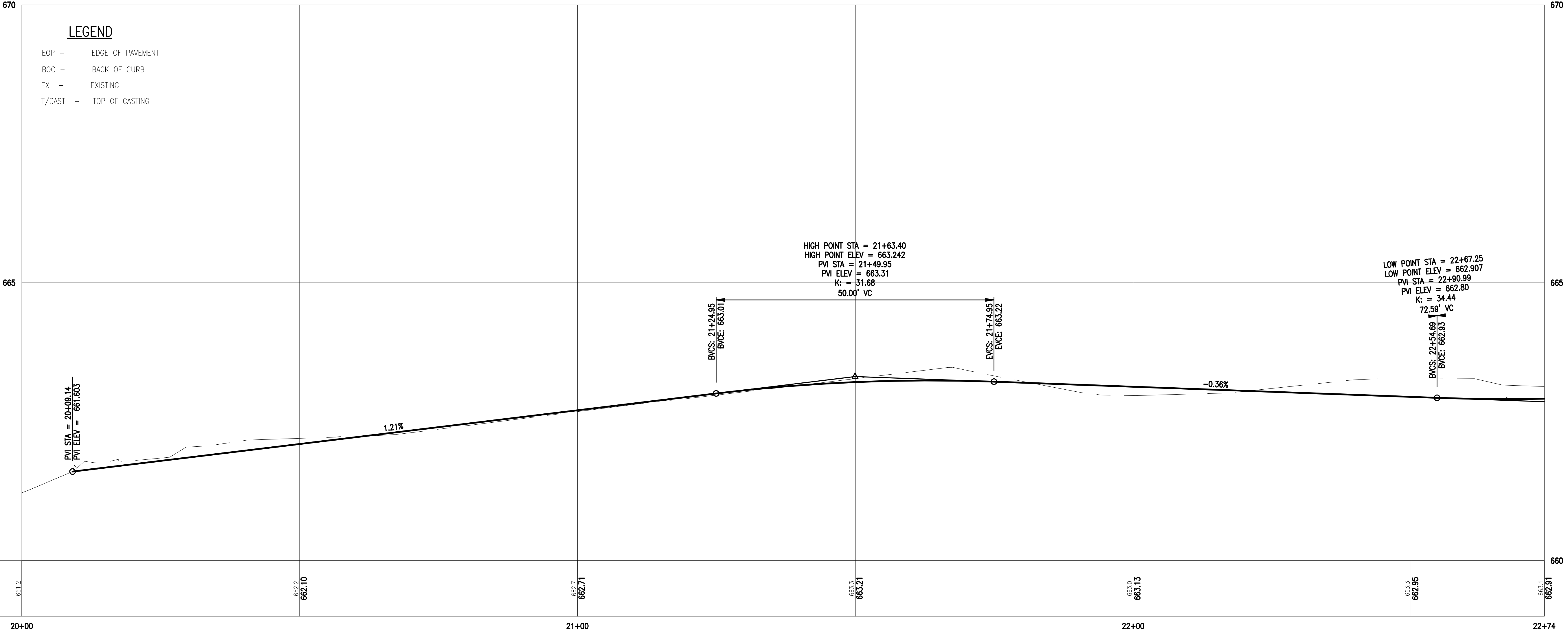


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LEGEND

- EOP - EDGE OF PAVEMENT
- BOC - BACK OF CURB
- EX - EXISTING
- T/CAST - TOP OF CASTING



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REVISIONS

DATE	PRO NUMBER	ENG	Z/JH	PRO MGR	CADD	COUNTY	MUNICIPALITY
	7522-00-010			GCR	JS	WAYNE	DETROIT

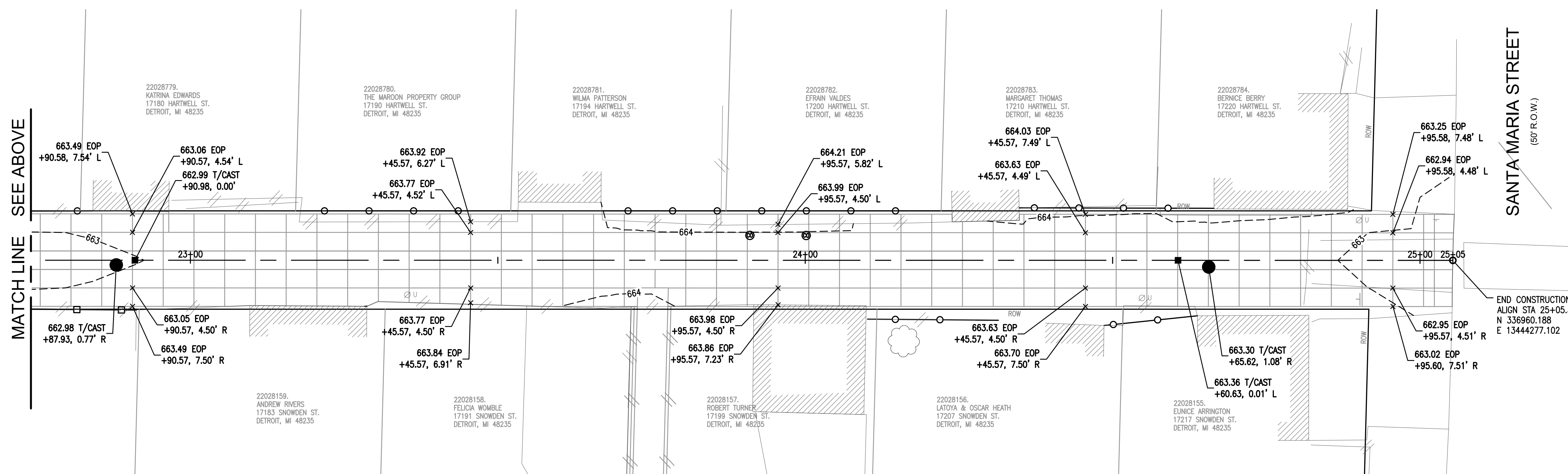
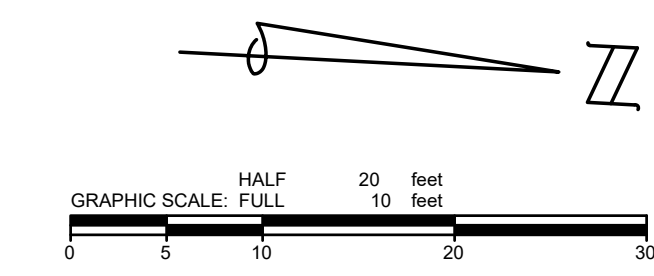
CITY OF DETROIT
ART ALLEYS - PHASE 1
GRADING PLAN

C9

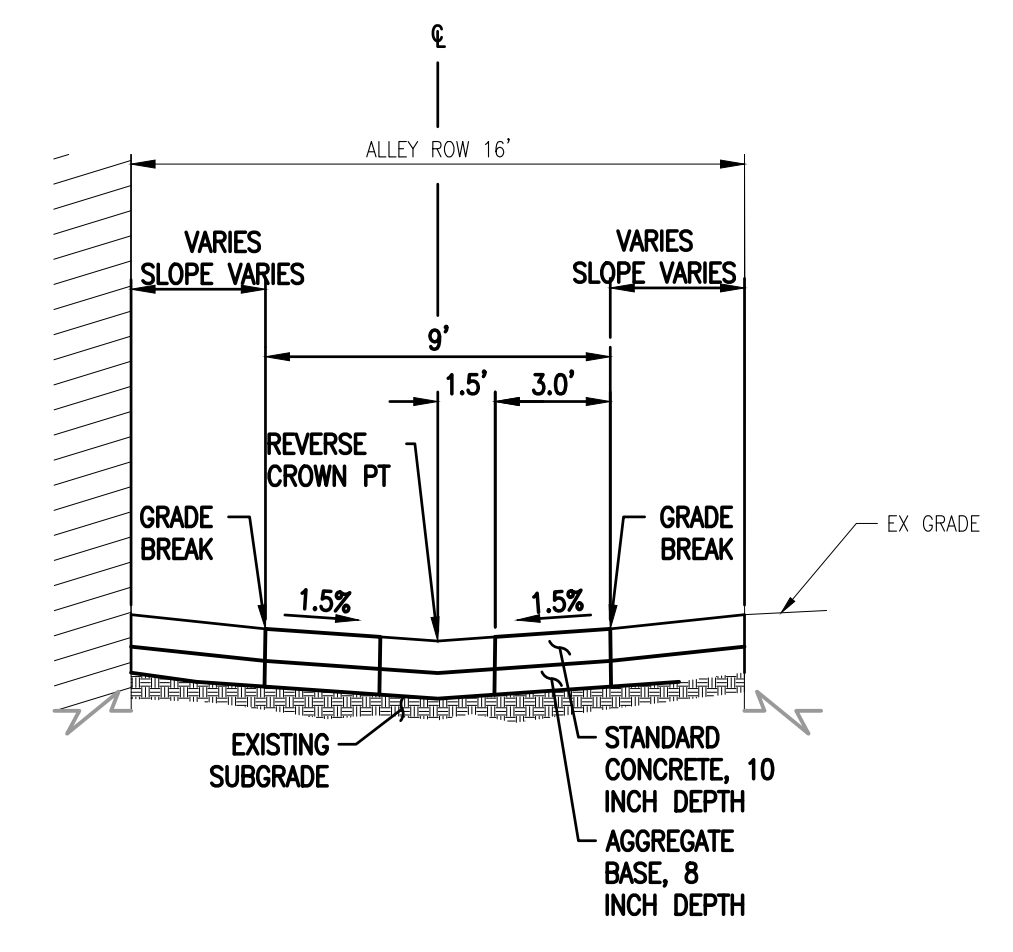
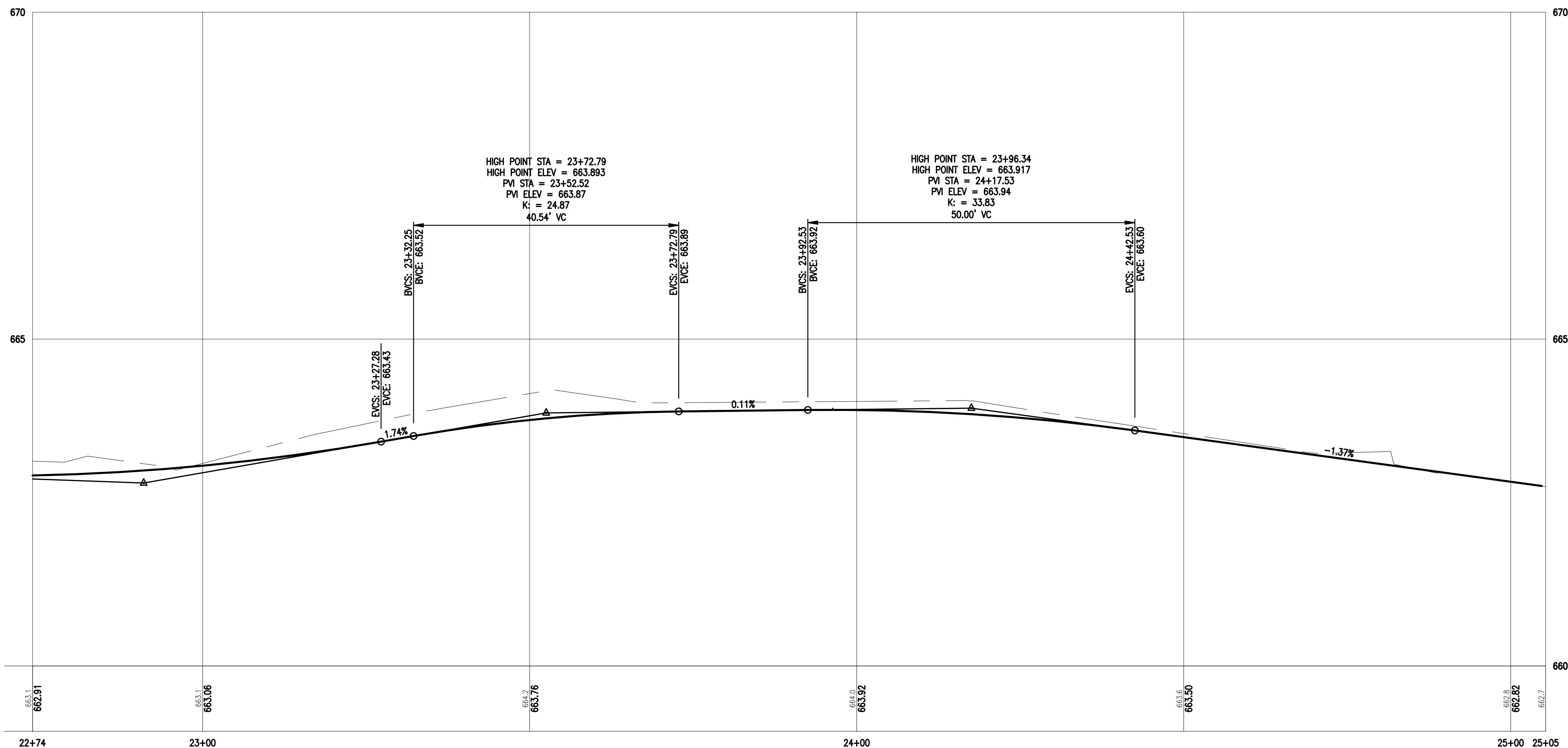
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HARTWELL-SNOWDEN ARTS ALLEY

(16' R.O.W.)



END CONSTRUCTION
ALIGN STA 25+05.33
N 336960.188
E 13444277.102



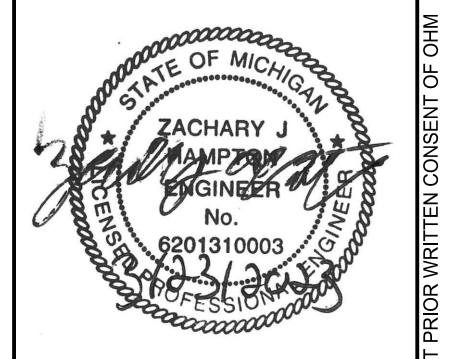
PROPOSED TYPICAL CROSS SECTION - SCHULZE



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7/22/2010	7522-00-010	ZJK	GCR	JS	WAYNE	DETROIT

CITY OF DETROIT
ART ALLEYS - PHASE 1
GRADING PLAN

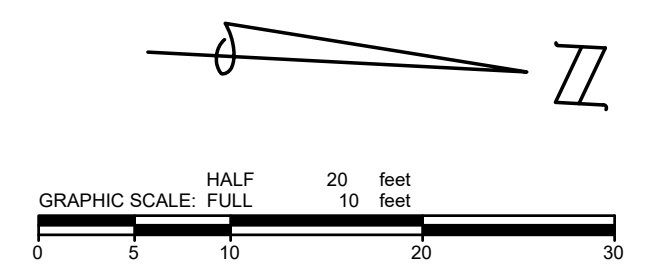
SHEET C10

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HARTWELL-SNOWDEN ARTS ALLEY

(16' R.O.W.)



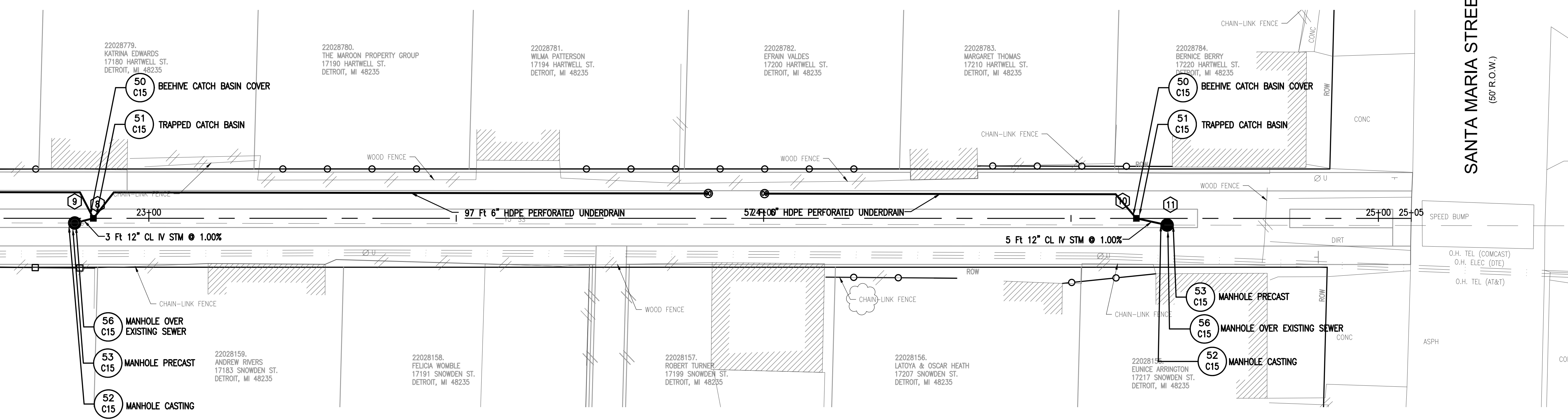
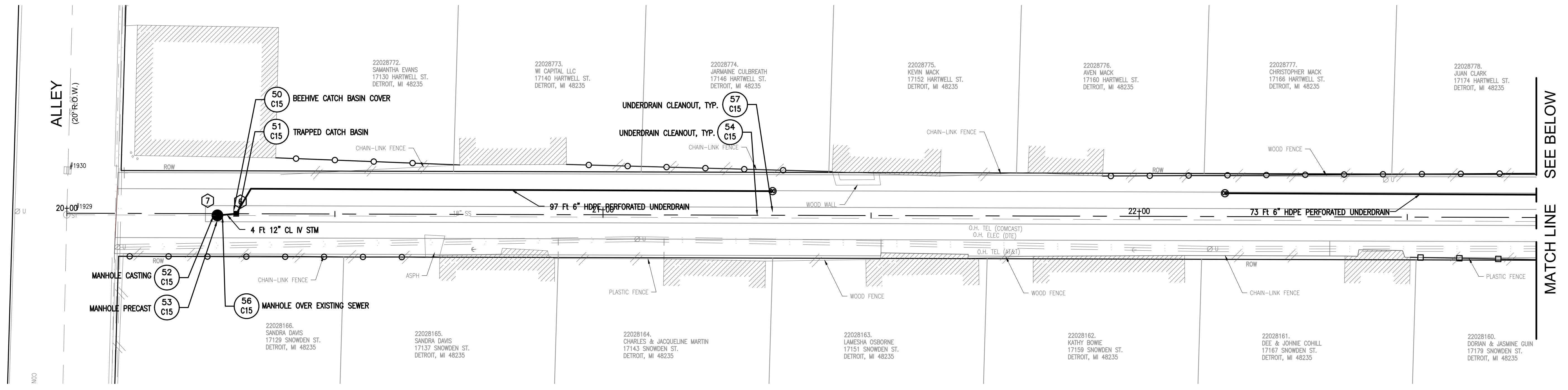
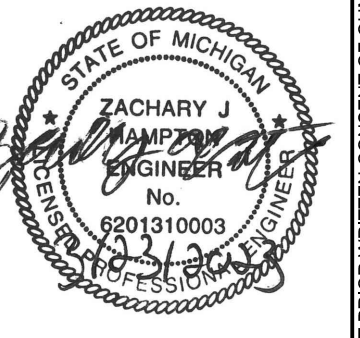
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LEGEND

EXISTING	
ELEC	ELECTRICAL *
6" (COMPANY) GAS	GAS/OIL
(COMPANY) CABLE/TEL	CABLE/TELEPHONE
FIBER OPTIC	FIBER OPTIC *
12" WW	WATER
12" SAN	SANITARY
12" STM	STORM
ROW	SECTION
CONC	CONCRETE
ASPH	ASPHALT
DIRT	DIRT
CON	CONCRETE
ST	STORM MANHOLE
SQ	SQUARE CATCH BASIN
RC	ROUND CATCH BASIN
UP	UTILITY POLE
SM	SANITARY MANHOLE
PROPOSED	
●	STORM MANHOLE
■	INLET/CATCH BASIN
⊕	WATER SERVICE CONNECTION
●	SANITARY MANHOLE
⊕	YARD HYDRANT
⊕	CLEAN OUT

MATCH LINE SEE ABOVE

MATCH LINE SEE BELOW

SANTA MARIA STREET
(50' R.O.W.)

- #1929 SANITARY MANHOLE T/CAST 661.22
18" CLAY INV N 649.51
12" CLAY INV E 648.62
12" CONC INV W 657.45
18" CLAY INV W 648.57
10" CLAY INV SW 653.14
- #1930 SQ CATCH-BASIN T/CAST 661.22
FULL OF WATER
- 6 STA 20+31.61, 0.0' R
48" DIA TRAPPED CATCH BASIN W/ 2' SUMP
T/CAST 662.26
12" INV S 657.37
6" INV NW 658.88
- 7 STA 20+28.08, 0.3' R
48" DIA MANHOLE
T/CAST 661.84
12" INV S 649.79
12" INV N 649.79
12" INV N 657.34
- 8 STA 22+90.98, 0.0' R
48" DIA TRAPPED CATCH BASIN W/ 2' SUMP
T/CAST 663.36
12" INV S 658.51
6" INV NW 659.99
6" INV SW 659.99
- 9 STA 22+87.93, 0.8' R
48" DIA MANHOLE
T/CAST 662.98
12" INV N 658.48
12" INV S 652.39
18" INV N 652.39
- 10 STA 24+60.63, 0.0' L
48" DIA TRAPPED CATCH BASIN W/ 2' SUMP
T/CAST 663.74
12" INV N 658.85
6" INV SW 660.37
- 11 STA 24+65.62, 1.1' R
48" DIA MANHOLE
T/CAST 663.30
18" INV S 650.61
18" INV N 650.61
12" INV S 658.80



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REVISIONS

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	7522-00-010	Z/JH	GCR	JS	WAYNE	DETROIT

CITY OF DETROIT
ART ALLEYS - PHASE 1
UTILITY PLAN

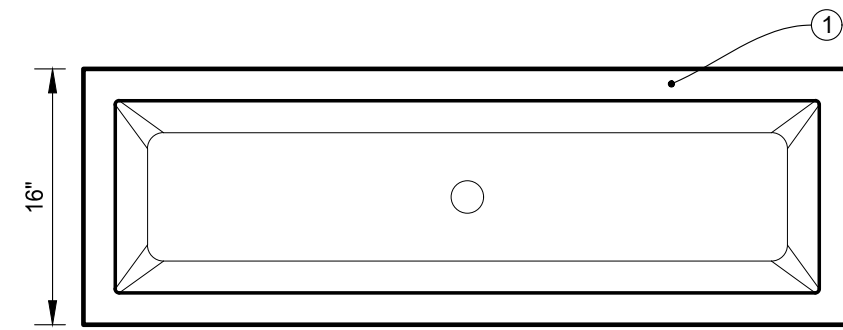
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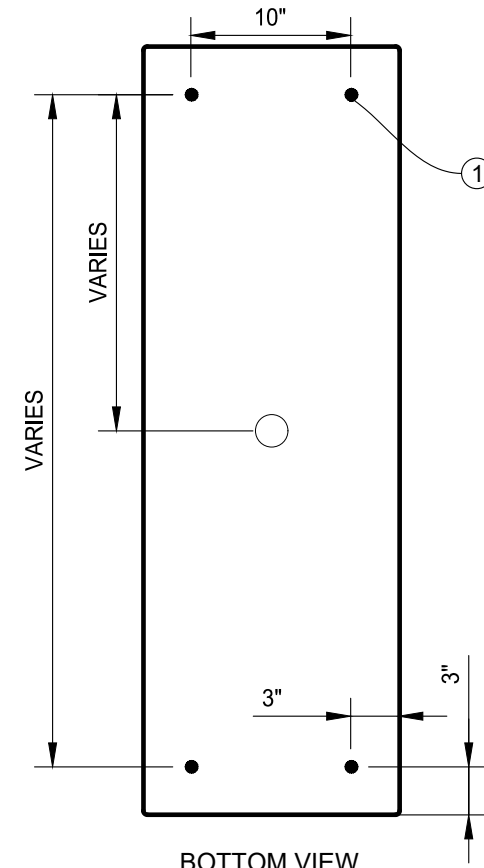
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PRODUCT MODEL CHART

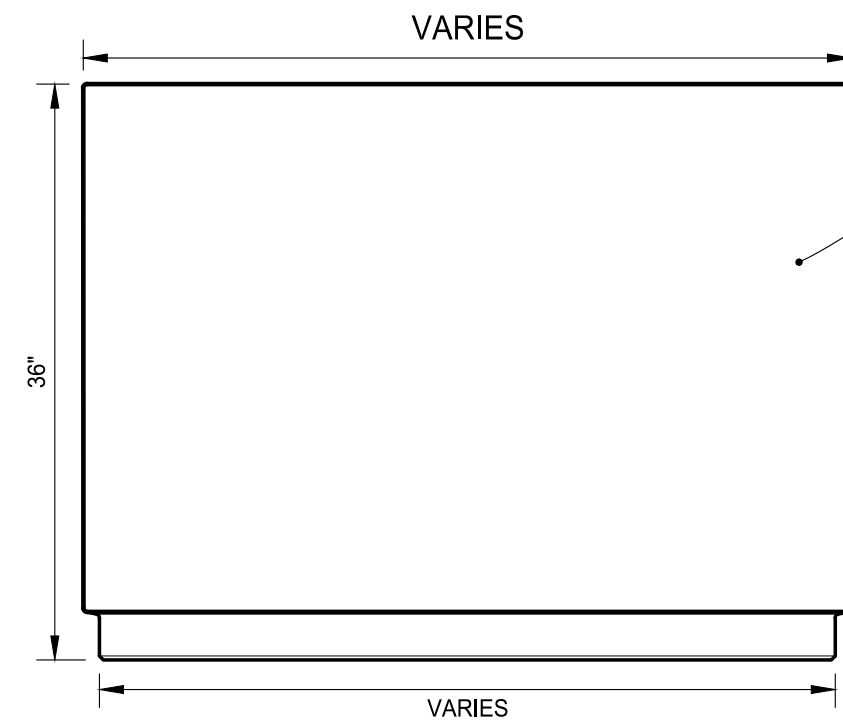
	PRODUCT NO.	LENGTH	WIDTH	HEIGHT	WEIGHT
PLANTER A	TF-4355	36"	16"	36"	1,035 LBS
PLANTER B	TF-4356	48"	16"	36"	1,200 LBS
PLANTER C	TF-4357	60"	16"	36"	1,630 LBS



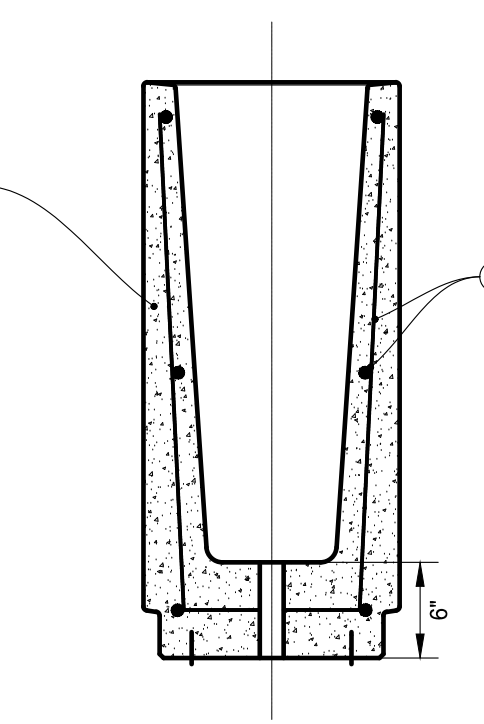
TOP VIEW
SCALE: 1" = 1'-0"



BOTTOM VIEW
SCALE: 1" = 1'-0"



ELEVATION VIEW
SCALE: 1" = 1'-0"



CROSS-SECTION VIEW
SCALE: 1" = 1'-0"

PRODUCT INFORMATION:
 MANUFACTURER: WAUSAU TILE SITE FURNISHINGS
 MODEL: TF4355, TF4356, TF4357 - RECTANGULAR CONCRETE PLANTER
 (SEE MODEL CHART FOR DETAILS)
 COLOR: TBD AT TIME OF ORDER
 FINISH: ACID WASH
 INSTALLATION: SURFACE MOUNT
 SIZE: SEE MODEL CHART FOR SPECIFIC SIZE
 WEIGHT: SEE MODEL CHART FOR SPECIFIC WEIGHT
 TEL: 800 388-8728
 WWW.WAUSAUTILE.COM

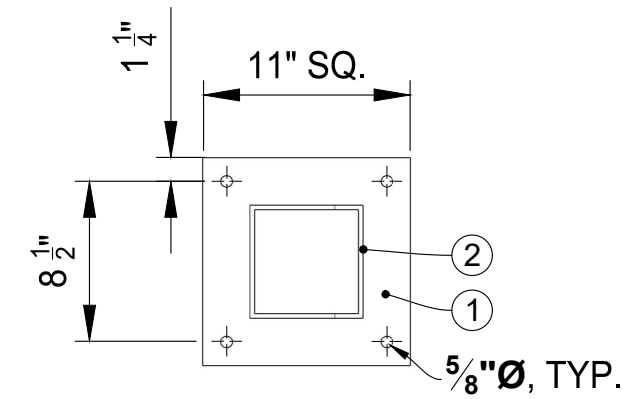
- ① PREFABRICATED RECTANGULAR CONCRETE PLANTER, ACID WASH FINISH
- ② STEEL REINFORCEMENT
- ③ 1/2" THREADED INSERT, (4) INCLUDED
- ④ 2" DRAIN HOLE

NOTES:
 1. PRODUCT IS SHIPPED FULLY ASSEMBLED. WEIGHT VARIES. SEE MODEL CHART FOR INFORMATION.
 2. PLANTER SHALL BE SURFACE MOUNTED.
 3. PLANTER SIZE, COLOR, AND DIMENSIONS VARY. SEE CONSTRUCTION PLANS FOR SPECIFIC SIZING, COLOR, AND QUANTITIES.
 4. CONTRACTOR SHALL SUBMIT MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR REVIEW AND APPROVAL PRIOR TO PURCHASE

RECTANGULAR CONCRETE PLANTER
NOT TO SCALE

NOTES:

1. STEEL BASE-PLATE SHALL BE 3/8" THICK (000 GAUGE), 11" X 11" SQUARE.
2. STEEL SQUARE TUBE SHALL BE WELDED TO STEEL BASE PLATE AND FINISHED WITH TGIC POWDERCOAT PER SPECIFICATIONS.
3. POWDERCOAT COLOR TO BE SPECIFIED BY OWNER.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION



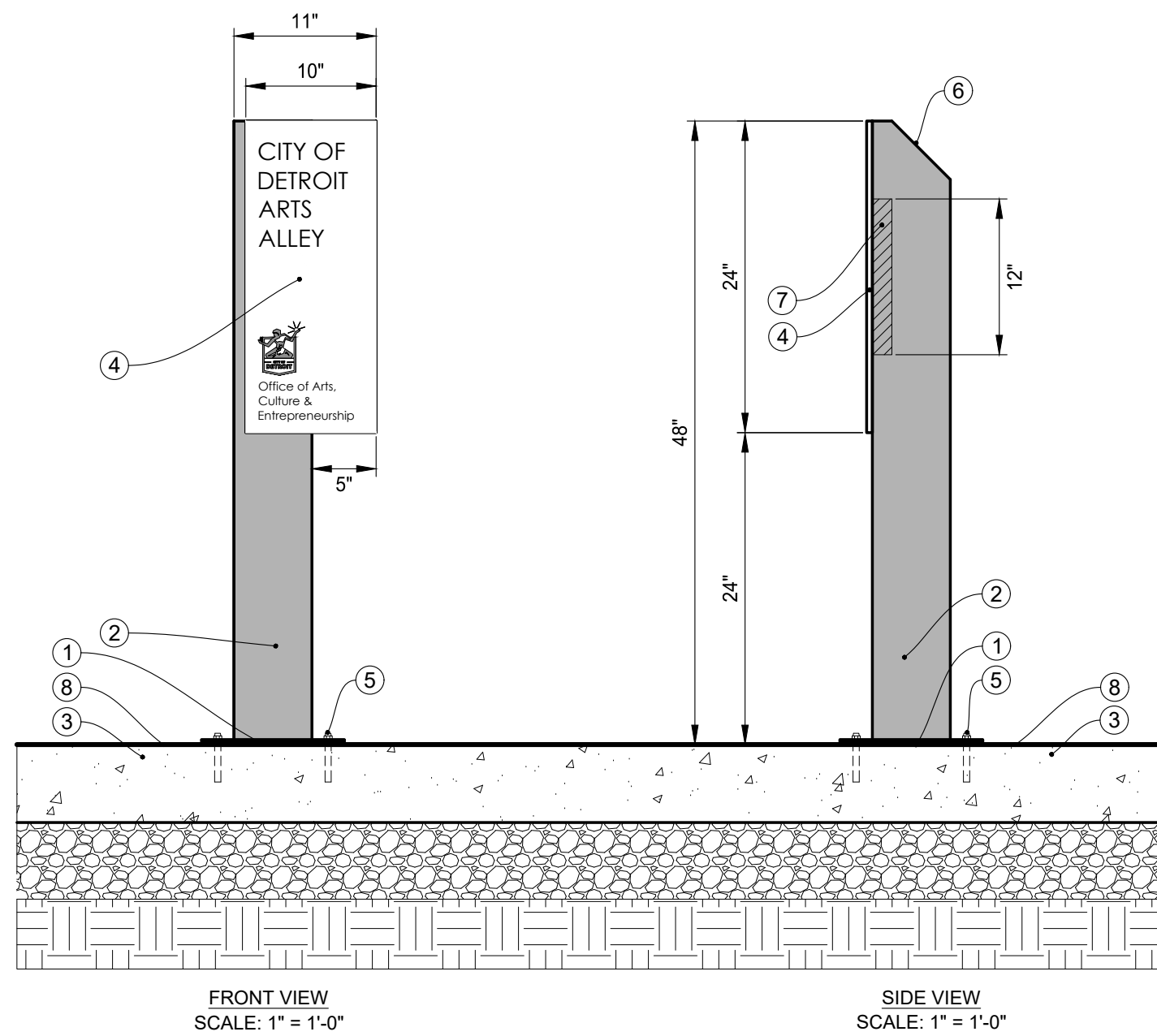
PLAN VIEW
SCALE: NO SCALE

- ① STEEL BASE-PLATE
- ② SQUARE STEEL TUBE

STEEL SURFACE MOUNT BOLLARD BASE
NOT TO SCALE

01

02



FRONT VIEW
SCALE: 1" = 1'-0"

SIDE VIEW
SCALE: 1" = 1'-0"

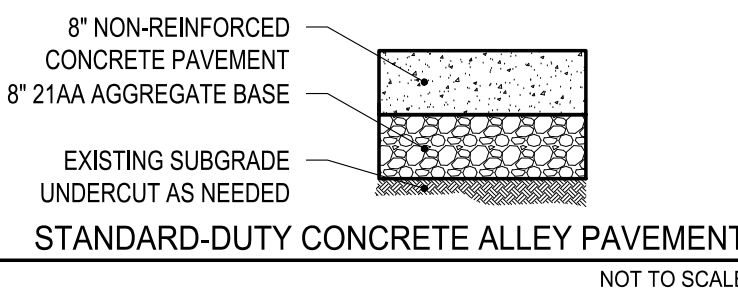
NOTES:
 1. SIGNAGE PLACEMENT SHALL BE AS SHOWN IN SITE PLANS.
 2. STEEL BASE-PLATE AND TUBING SHALL BE 3/8" THICK (000 GAUGE)
 3. STEEL PIECE MATCHING THE SAME SHAPE AND GAUGE AT THE TOP OF THE SQUARE TUBING BOLLARD SHALL BE WELDED IN PLACE. WELDED SEAM SHALL BE GROUND TO A SMOOTH FINISH.
 4. SQUARE STEEL TUBING SHALL BE WELDED TO STEEL BASE PLATE. WELDED SEAM SHALL BE GROUND TO A SMOOTH FINISH.
 5. CONTRACTOR SHALL PREPARE AND SUBMIT SIGNAGE AND POST FABRICATION SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
 6. CONTRACTOR TO VERIFY ORIENTATION OF SIGN FACE WITH OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT

- ① 11" SQ. BLACKEND STEEL BASE-PLATE, 3/8" THICKNESS.
- ② 6" X 6" BLACKENED STEEL SQUARE TUBING, 3/8" WALL THICKNESS
- ③ CONCRETE PAVEMENT (THICKNESS VARIES)
- ④ 6 GAUGE BLACKENED STEEL PANEL ARTS ALLEY SIGN - CITY OF DETROIT STANDARD SIGNAGE ART. WELD TO STEEL POST W/ANGLE BRACKET
- ⑤ STAINLESS-STEEL CONCRETE WEDGE ANCHORS, 1/2" X 3-3/4"
- ⑥ TOP ENCLOSED WITH ANGLED STEEL WELDED IN PLACE
- ⑦ 1-1/2" X 1-1/2" X 1/2" BLACKENED STEEL ANGLE BRACKET, WELDED TO STEEL POST
- ⑧ FINISH GRADE

ARTS ALLEY STANDARD SIGN STEEL POST SURFACE MOUNT
NOT TO SCALE

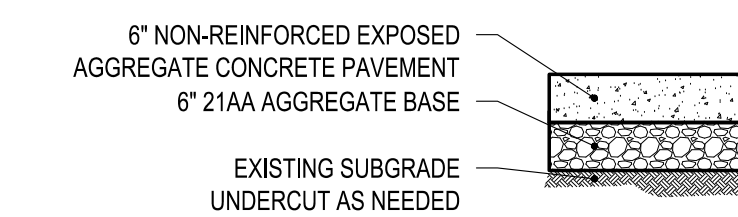
03

04



STANDARD-DUTY CONCRETE ALLEY PAVEMENT
NOT TO SCALE

05



EXPOSED AGGREGATE CONCRETE PAVEMENT CROSS SECTION
NOT TO SCALE



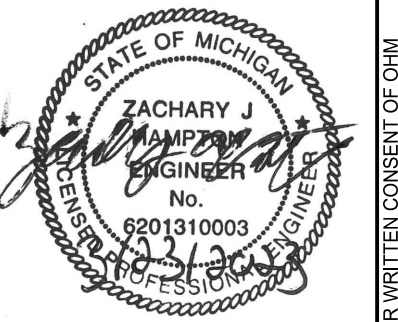
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REVISIONS

MUNICIPALITY: DETROIT
 COUNTY: WAYNE
 CARD: US
 PROJ: CCR

CITY OF DETROIT
 ART ALLEYS - PHASE 1
 SITE/CIVIL DETAILS

SHEET C12

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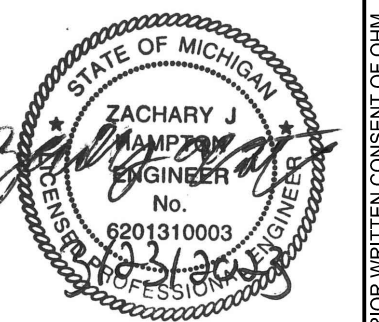
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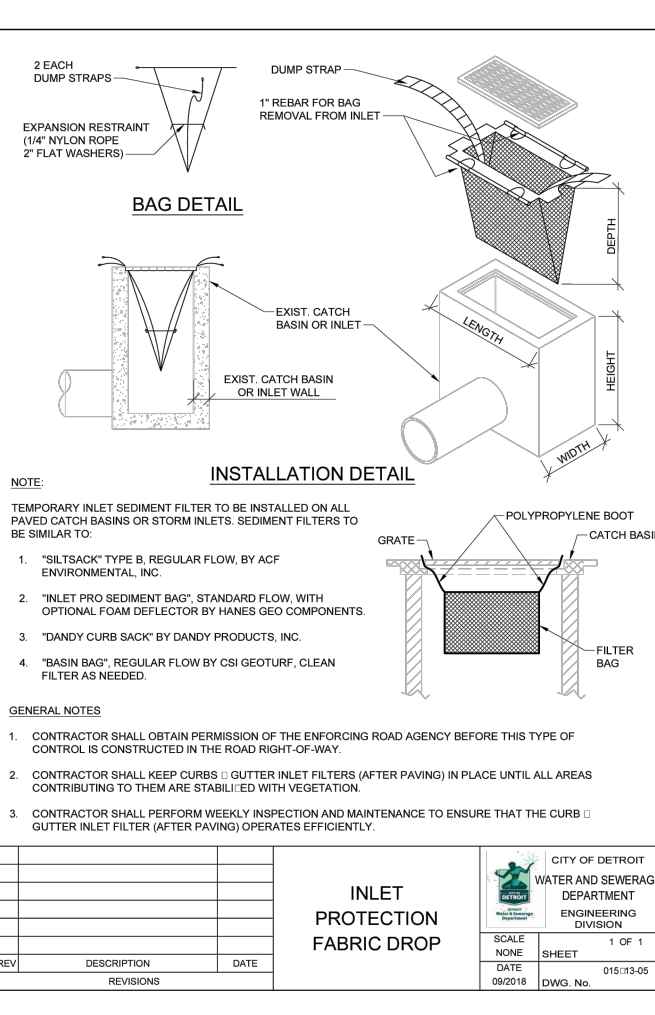
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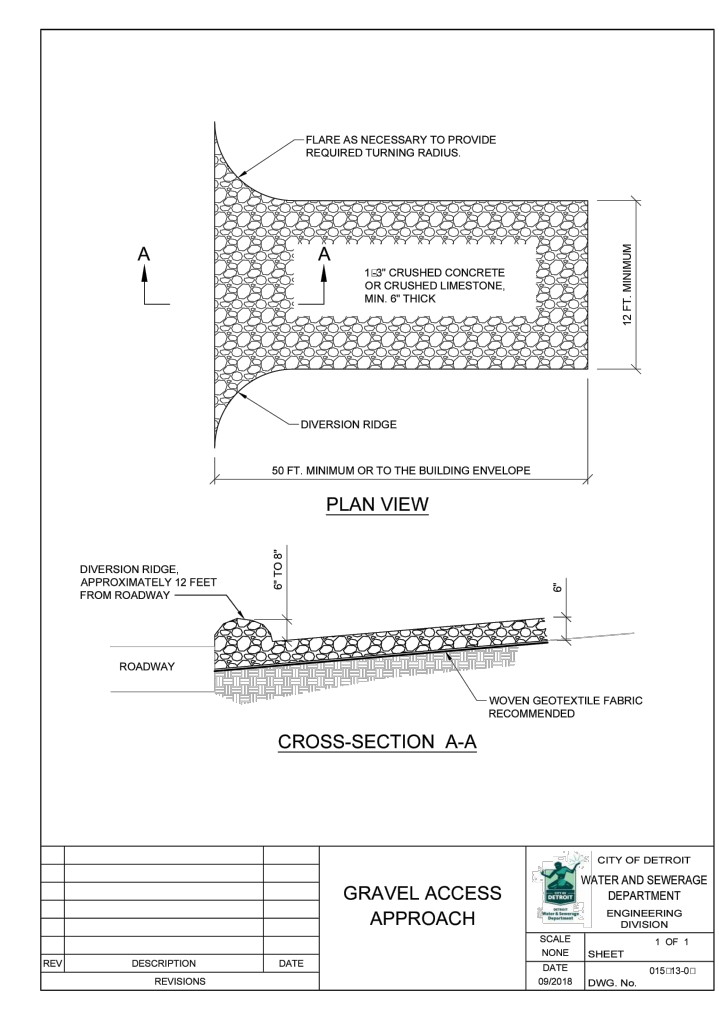
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CITY OF DETROIT
ART ALLEYS - PHASE 1
SITE/CIVIL DETAILS

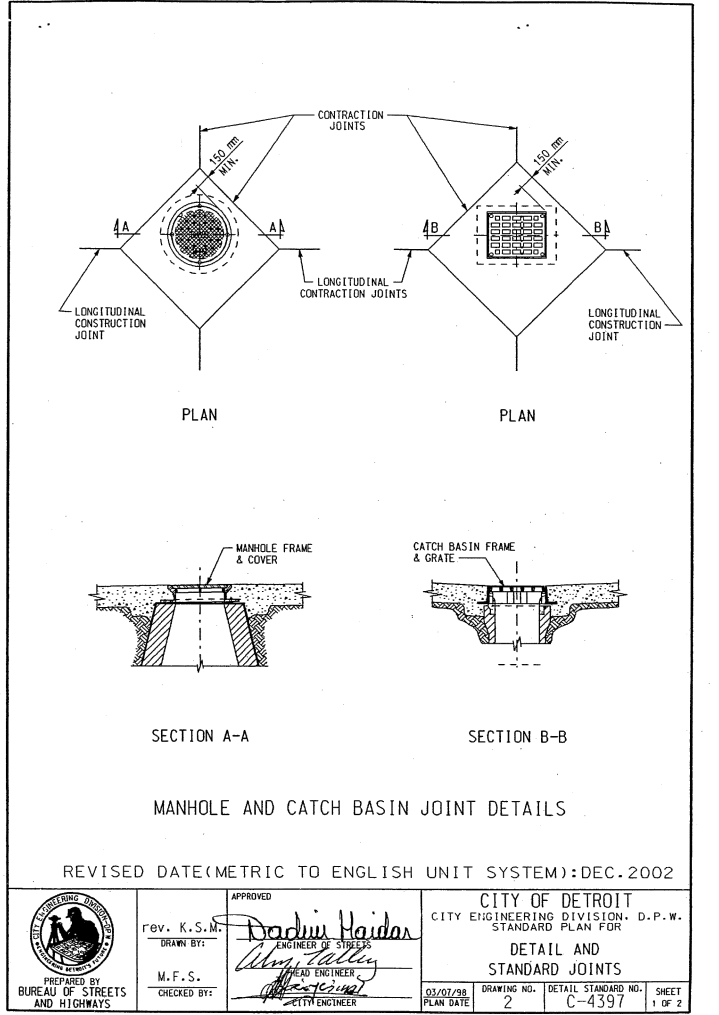
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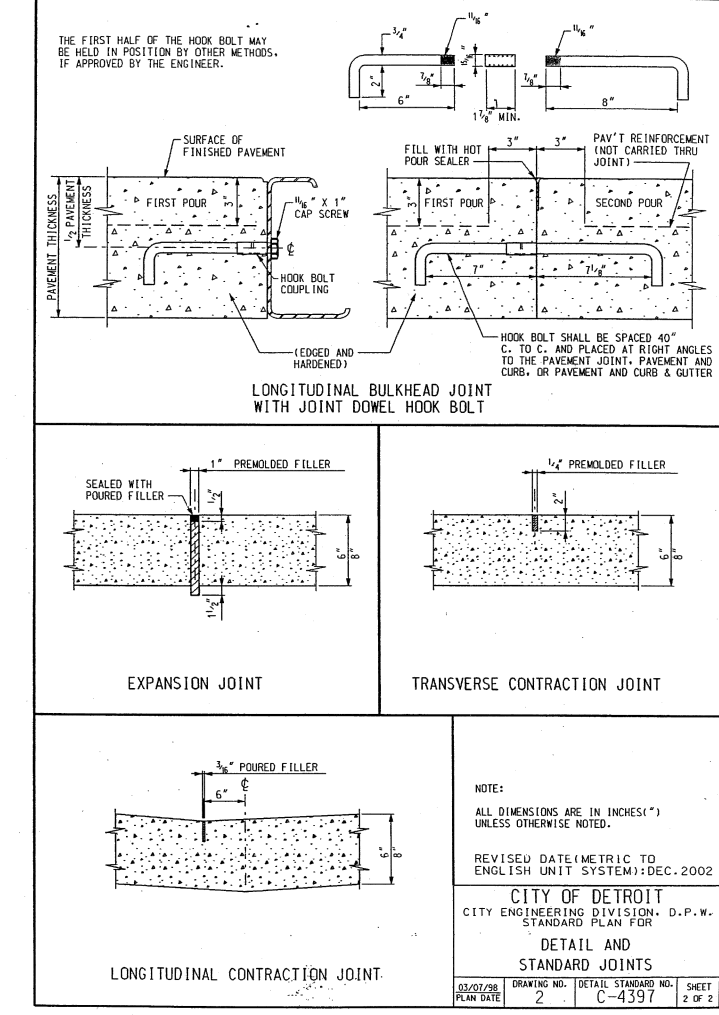
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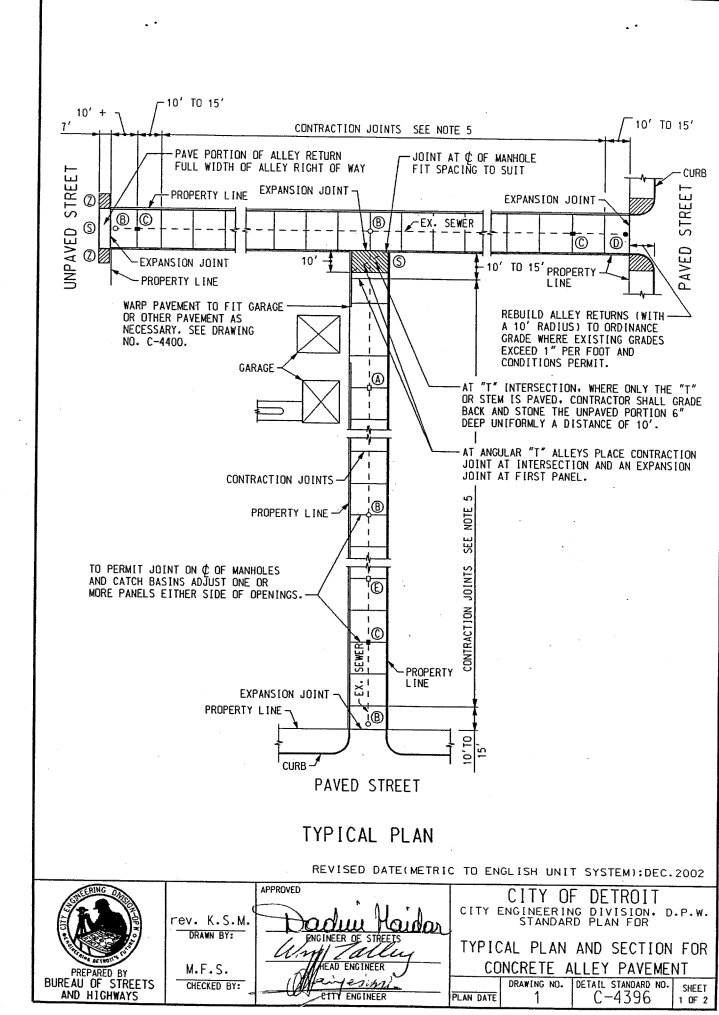
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DETAIL AND STANDARD JOINTS - CITY OF DETROIT
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10

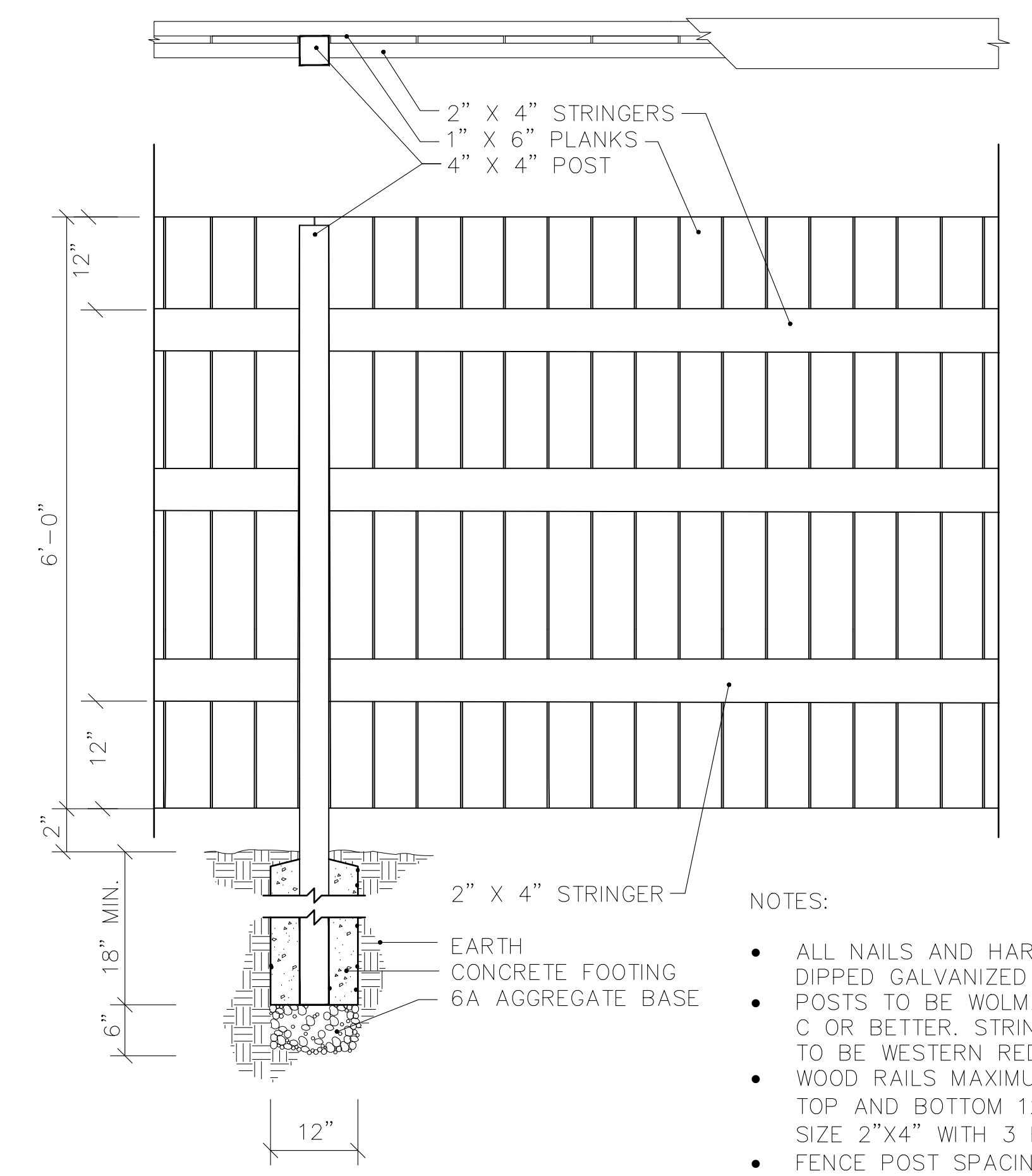
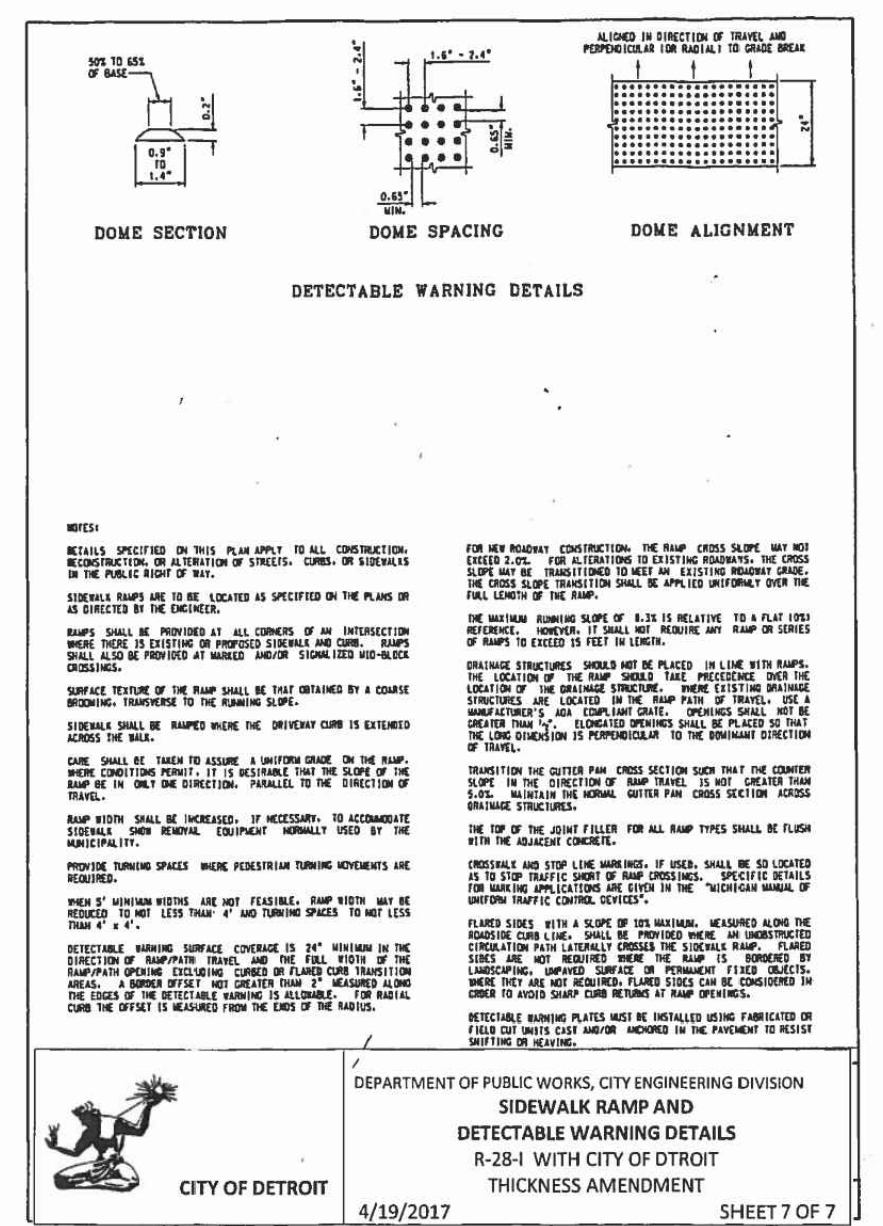
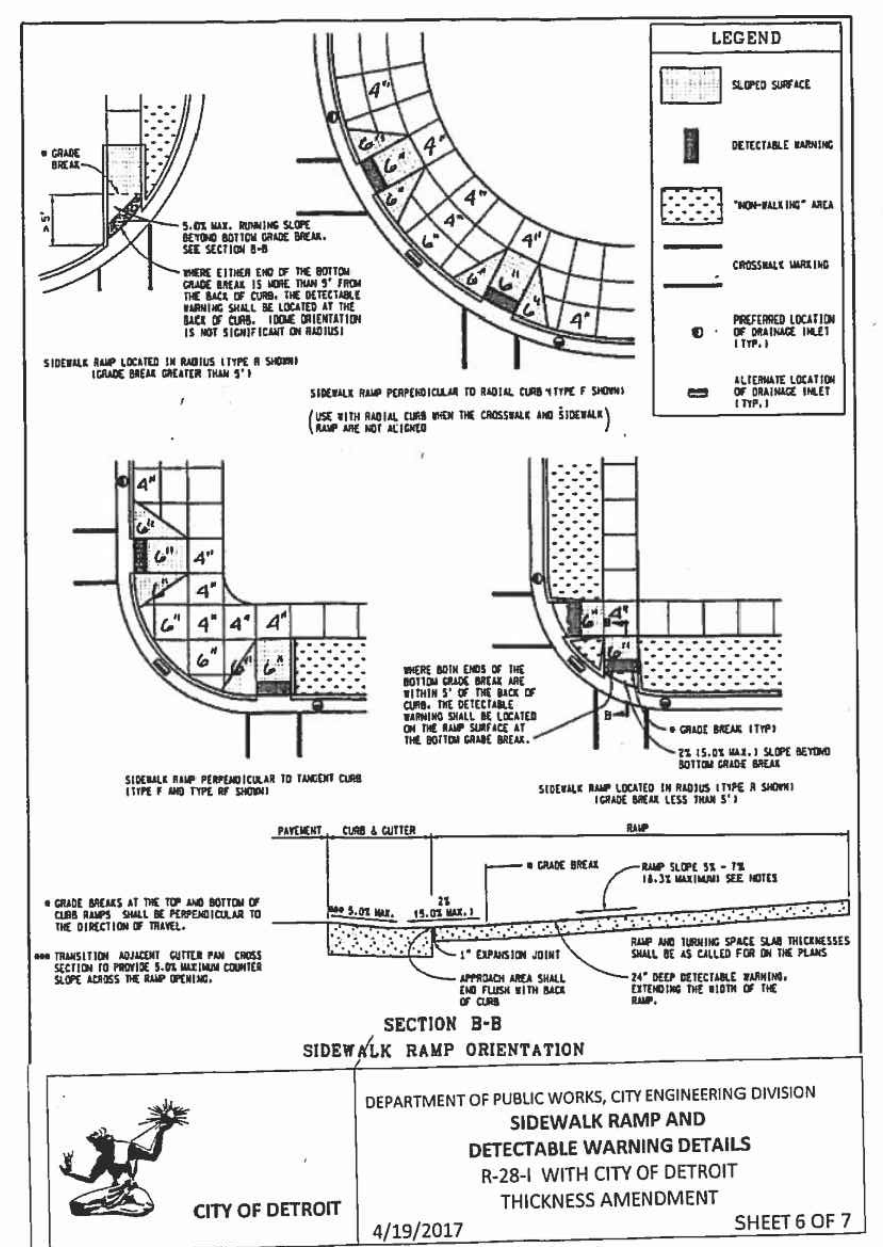
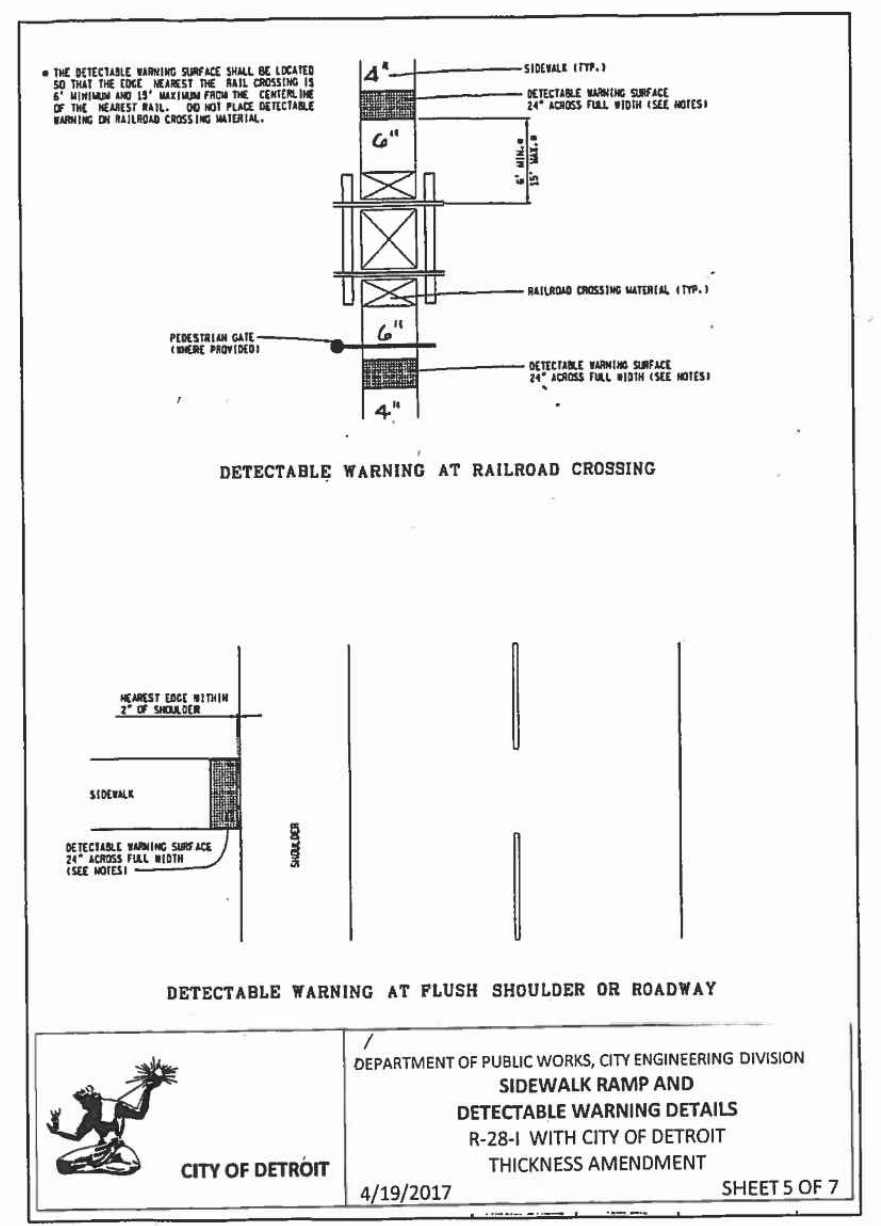
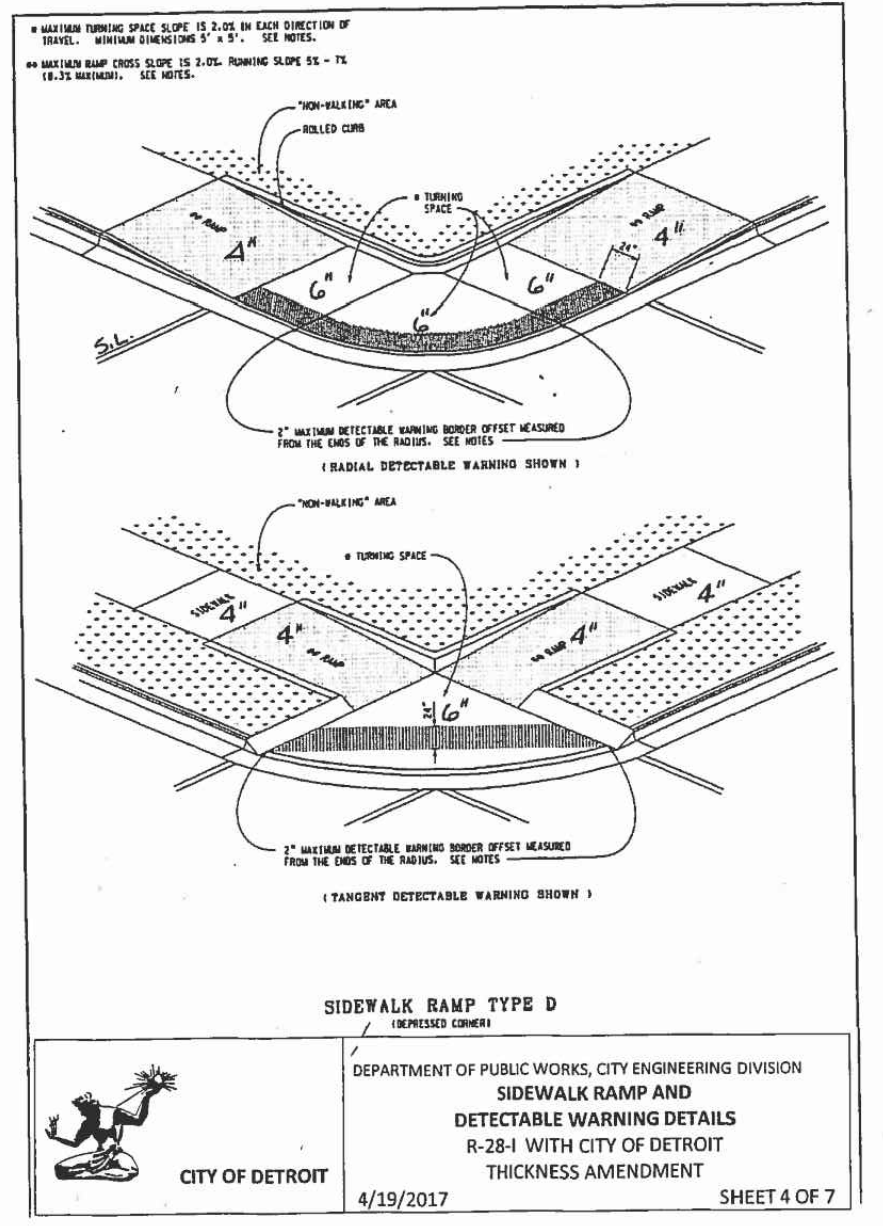
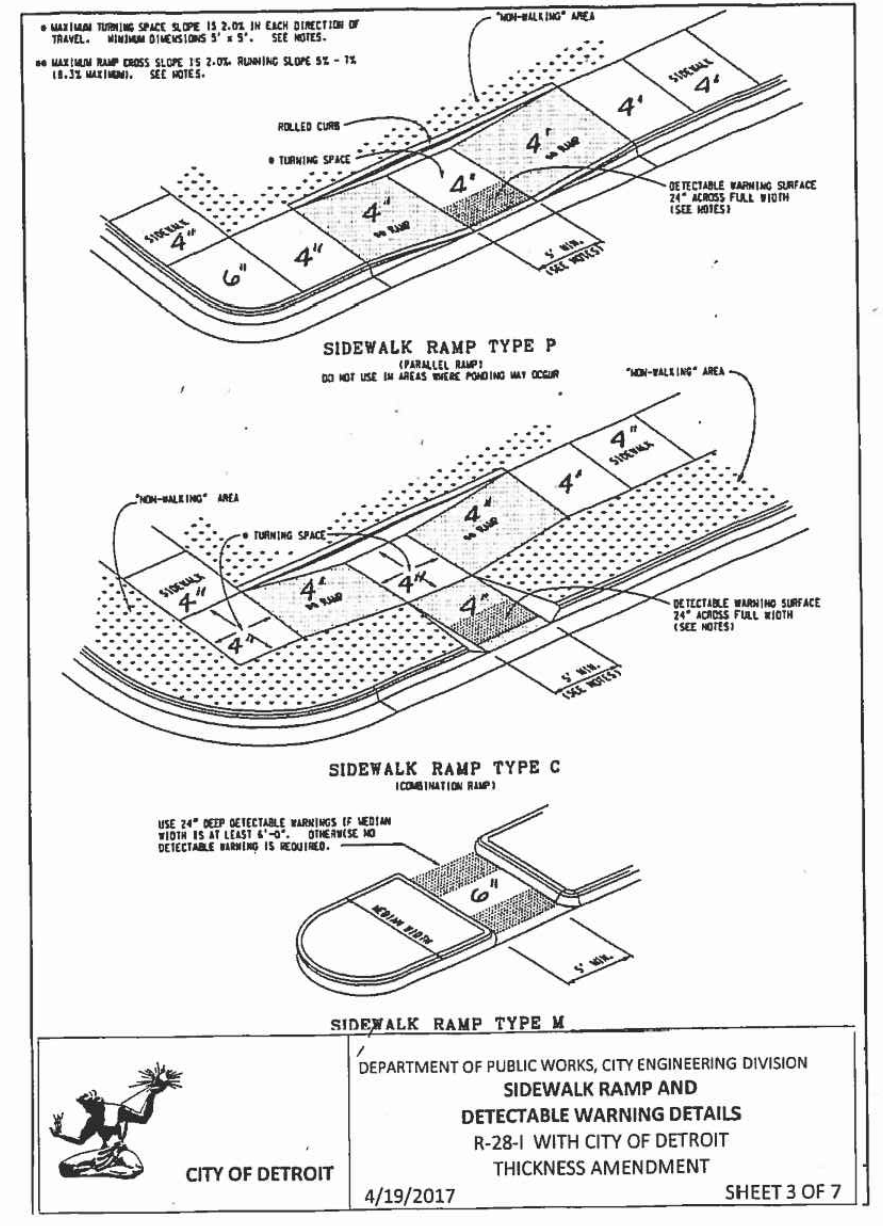
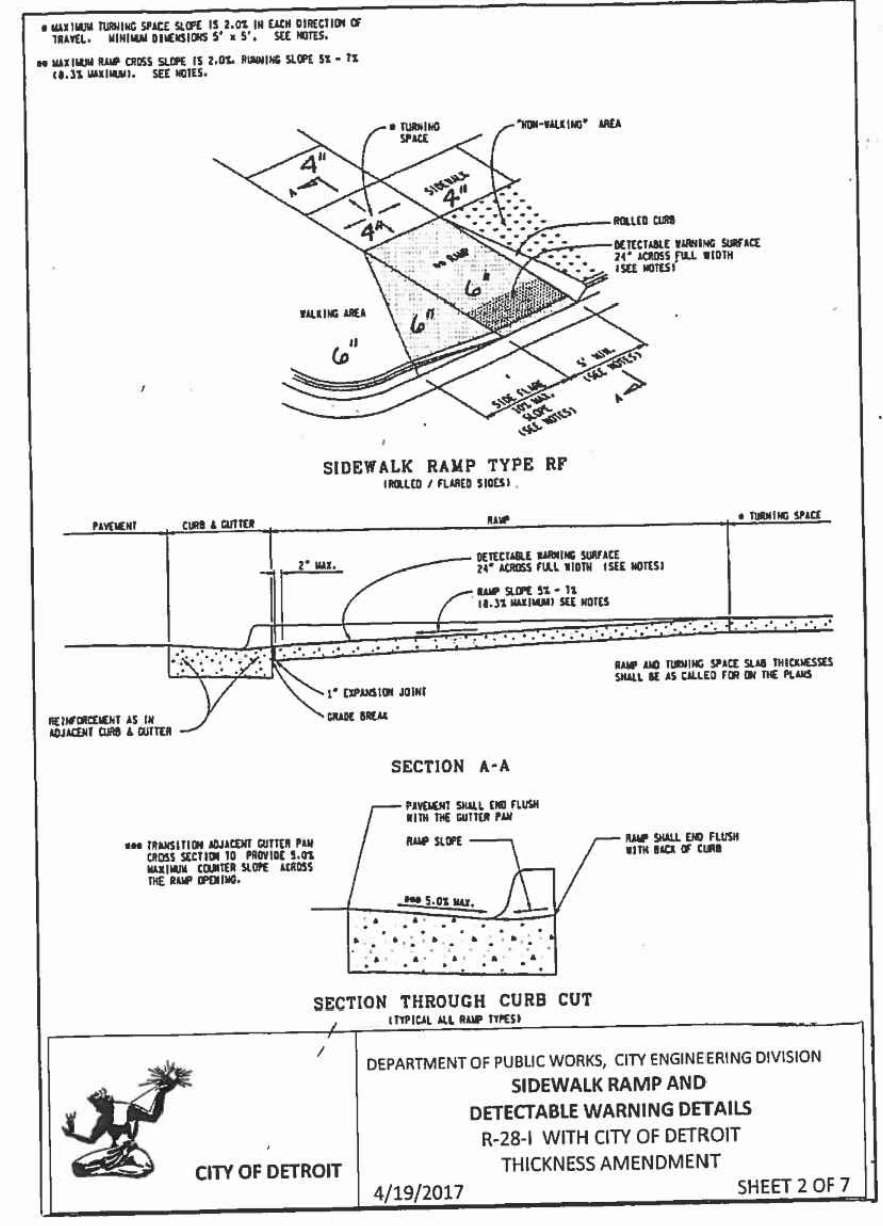
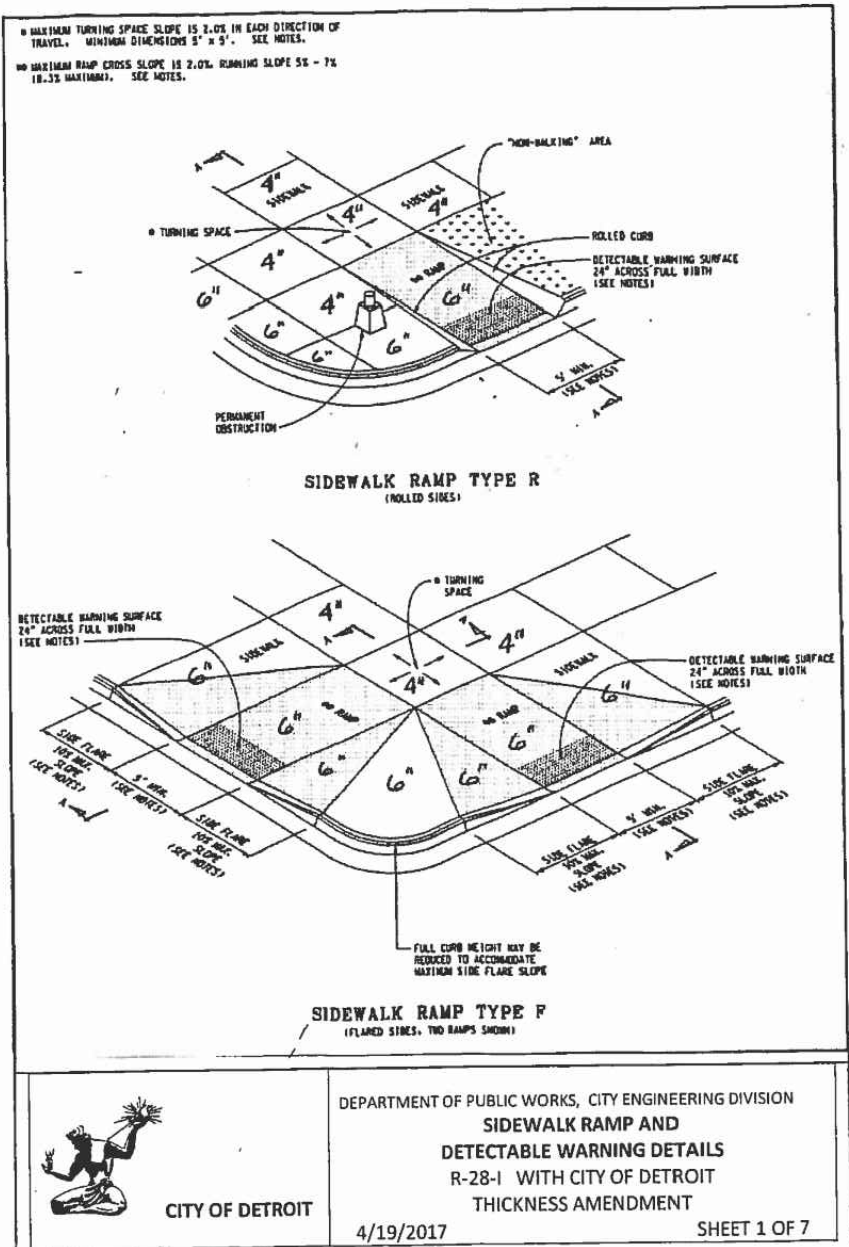


ALLEY PLAN AND SECTION - CITY OF DETROIT
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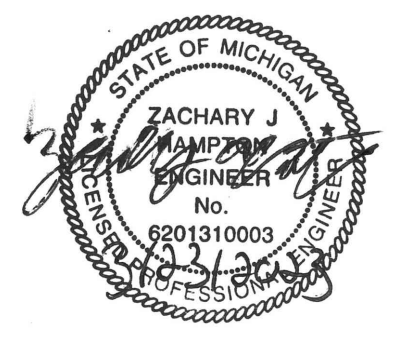
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SIDEWALK - CITY OF DETROIT
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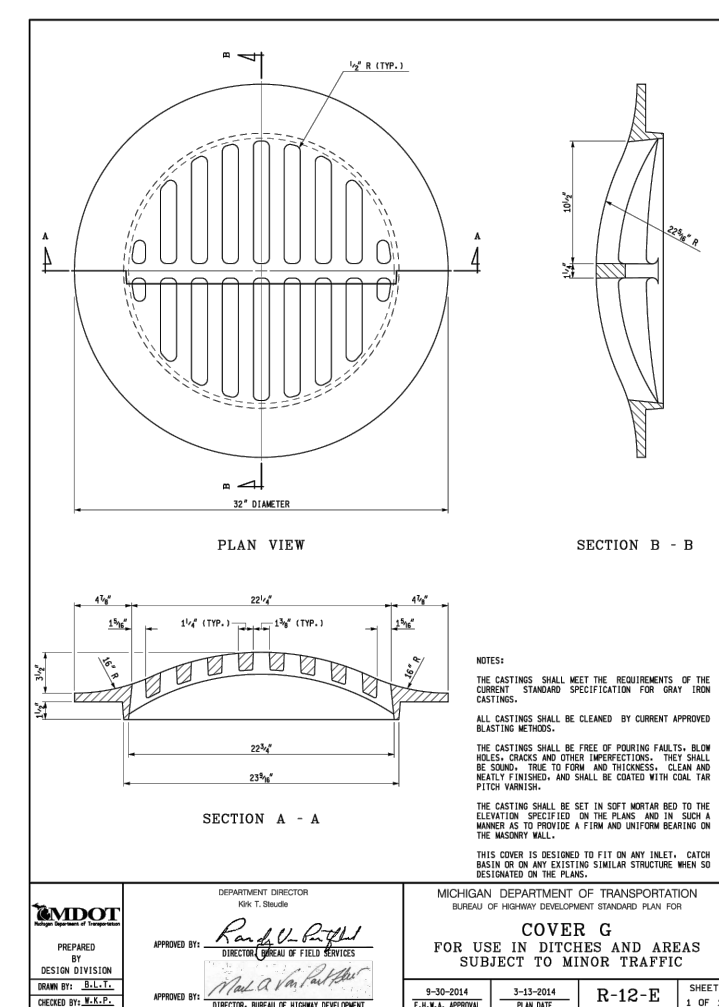


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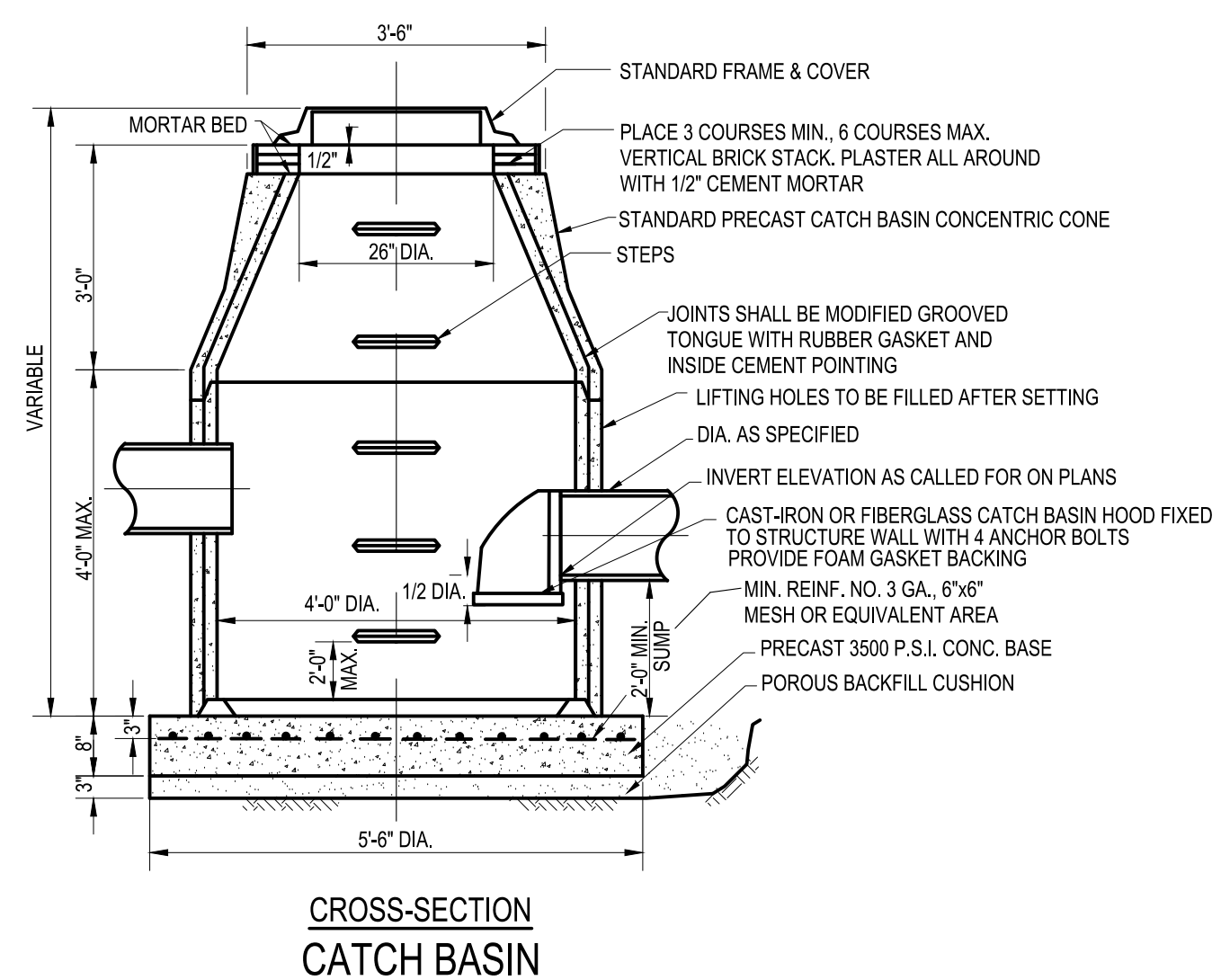


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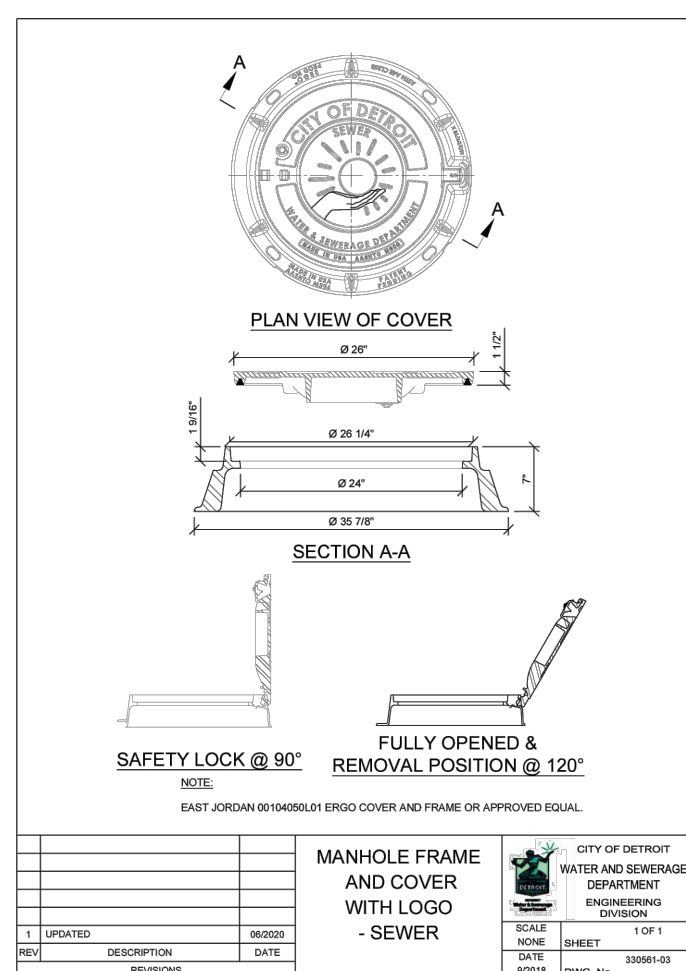
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ART ALLEYS - PHASE 1	CARD	05	ART ALLEYS - PHASE 1	CARD	05	ART ALLEYS - PHASE 1	CARD	05
SITE/CIVIL DETAILS	PROJ LEADER	GCR	SITE/CIVIL DETAILS	PROJ LEADER	GCR	SITE/CIVIL DETAILS	PROJ LEADER	GCR
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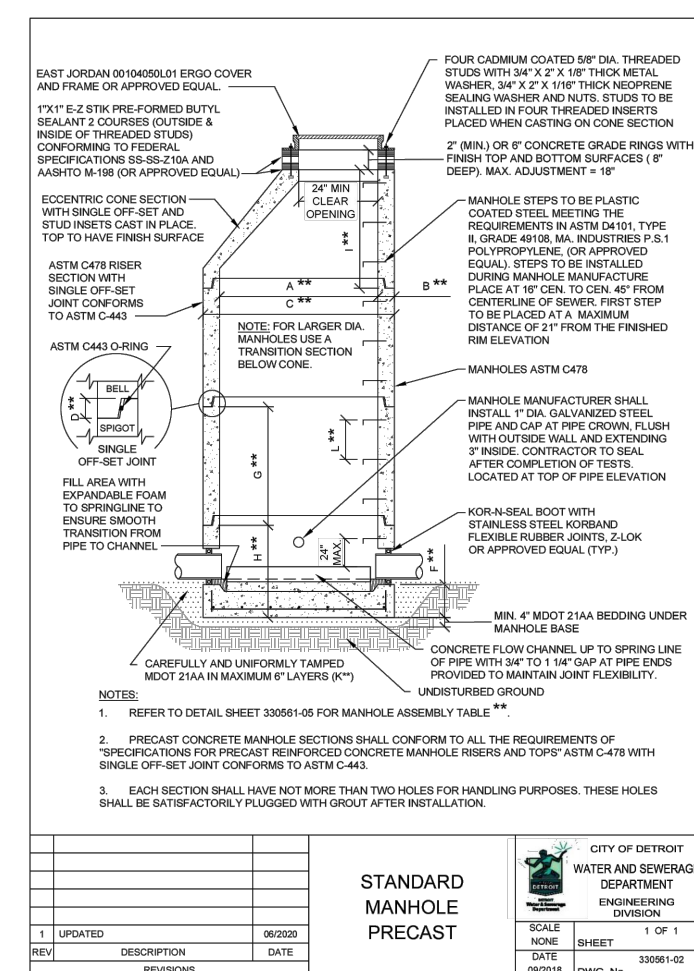
50 BEEHIVE CATCH BASIN COVER
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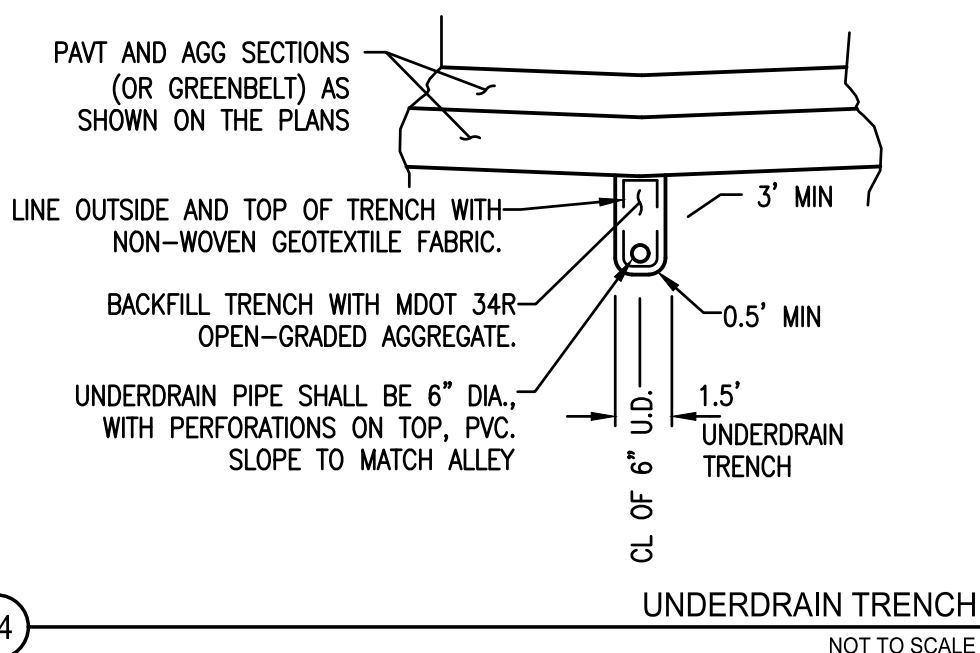
51 TRAPPED CATCH BASIN
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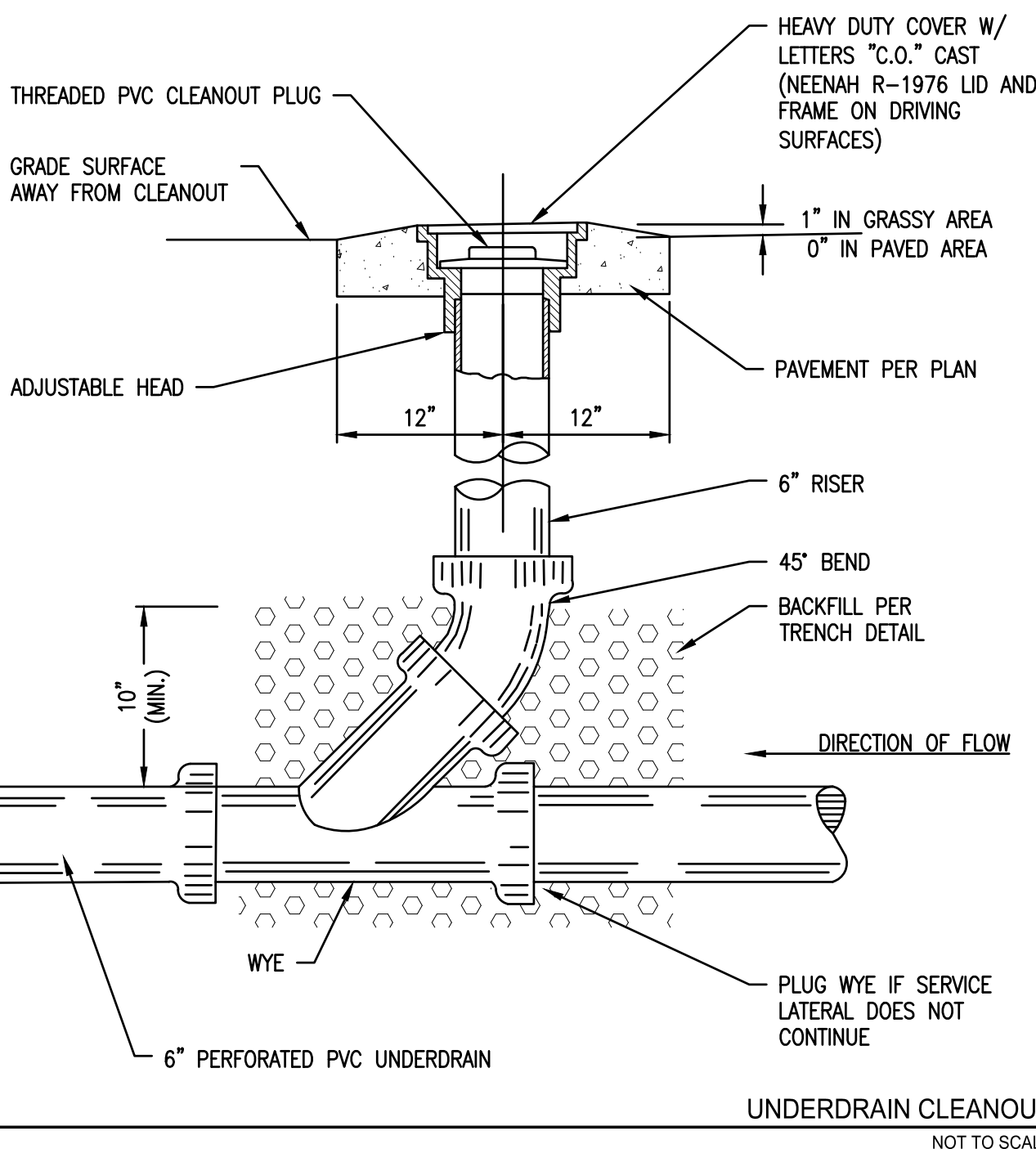
52 MANHOLE CASTING
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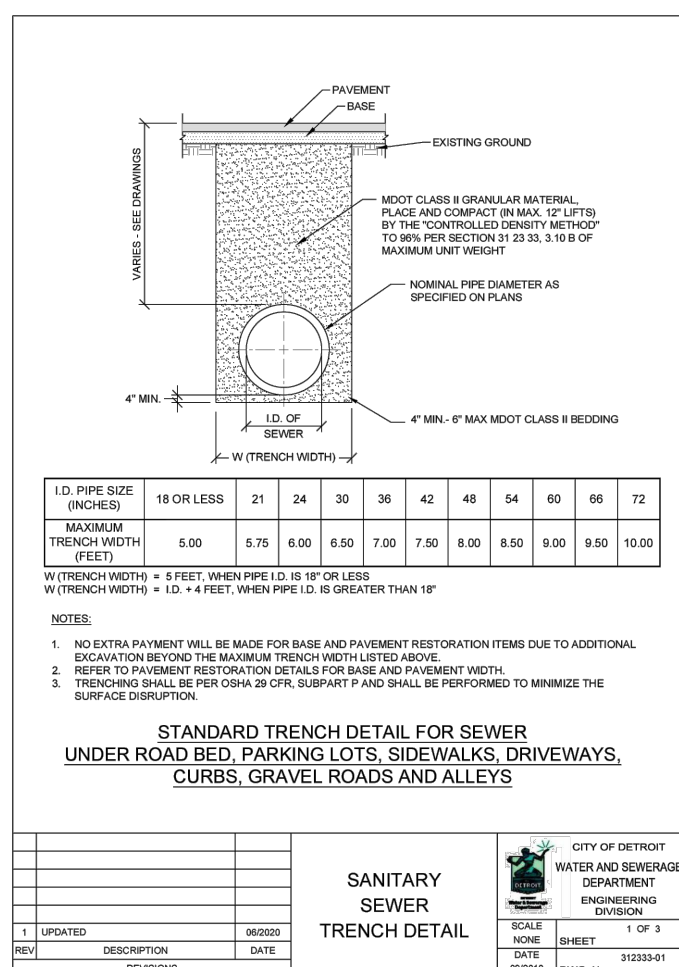
53 MANHOLE PRECAST
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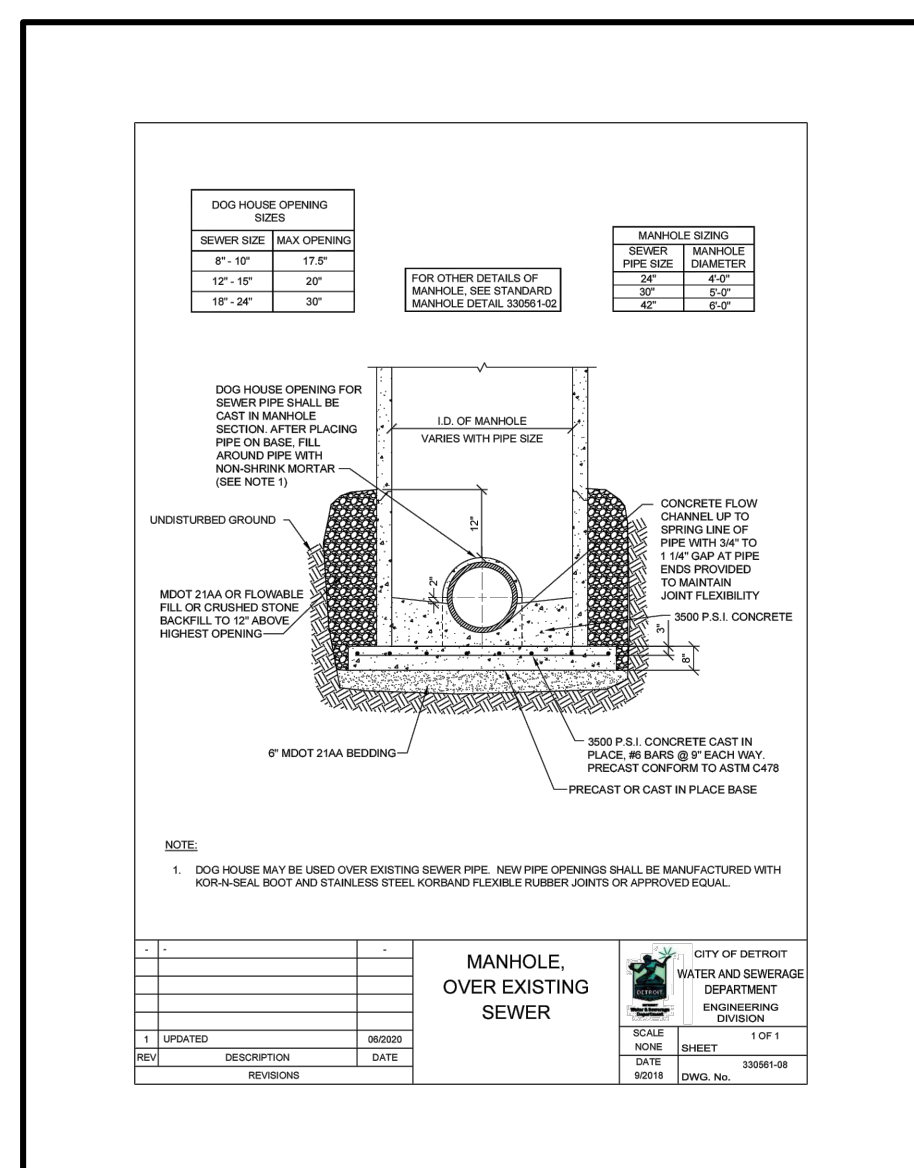
54 UNDERDRAIN TRENCH
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57 UNDERDRAIN CLEANOUT
NOT TO SCALE



55 SANITARY TRENCH
NOT TO SCALE



56 MANHOLE OVER EXISTING SEWER
NOT TO SCALE