



Letter of Transmittal

Date:
Petition Map:

Type of Petition

- | | | |
|---|---------------------------------------|--|
| <input type="checkbox"/> Outright Vacation | <input type="checkbox"/> Dedication | <input type="checkbox"/> Berm Use |
| <input type="checkbox"/> Conversion to Easement | <input type="checkbox"/> Encroachment | <input type="checkbox"/> Temporary Closing |

Review Status

The above petition has been received and reviewed by this office. Please see below for the review status as marked.

- | | |
|--|--|
| <input type="checkbox"/> Approved Subject to Attached Provisions | <input type="checkbox"/> Revise and Resubmit |
| <input type="checkbox"/> Not Approved | |

Additional Comments (if applicable):

Attached is the DWSD provision related to the petition.

	Name	Title	Signature	Date
Reviewed by:			<i>Mohammad Siddique</i>	
Approved by:			<i>Mohammad Siddique</i> For Syed Ali	

PROVISIONS FOR CONVERSION TO EASEMENT

1. An easement, the full width of the existing right of way, is reserved for the Detroit Water and Sewerage Department (DWSD) for the purpose of installing, maintaining, repairing, removing, or replacing any sewers, water mains, fire hydrants and appurtenances, with the right of ingress and egress at any time to, and over said easement for the purpose above set forth. Any proposed fencing across the easement must have a gate installed to permit access for DWSD forces. The gate shall remain unlocked 24 hours a day, unless a guard is stationed near the gate to allow the DWSD ingress and egress at any time. The minimum dimensions of the gate or gates shall provide 15-foot vertical and 13 foot horizontal clearances for freedom of DWSD equipment movement.

Free and easy access to the sewers, water mains, fire hydrants and manholes and structures within the easement is required for DWSD equipment, including the use of backhoes, bull dozers, cranes or pipe trucks, and other heavy construction equipment, as necessary for the alteration or repair of the sewer and/or water main facilities.

DWSD retains the right to install suitable permanent main location guide posts over its water mains at reasonable intervals and at points of deflection.

2. Said owners of the adjoining property, for themselves, their heirs and assigns, agree that no building or structure of any nature whatsoever, including fences, porches, patios, balconies, etc., shall be built upon or over said easement, or that no grade changes or storage of materials shall be made within said easement without prior written approval and agreement with DWSD.

DWSD prohibits the use of heavy construction equipment or the storage of building material directly over or near DWSD facilities. DWSD also prohibits the use of cranes and balls or hydraulic rams for pavement removal where DWSD facilities are involved. If the water main and/or sewer facilities are broken or damaged as a result of any action on the part of the contractor, the contractor shall be liable for any and all costs incidental to the repair of such broken or damaged water main and/or sewer facilities.

3. If at any time in the future, the owners of any lots abutting on said conversion to easement shall request the removal and/or relocation of the aforementioned utilities in said easement, such owners shall pay all costs incidental to such removal and/or relocation. It is further provided that if sewers, water mains, and/or appurtenances in said easement shall break or be damaged as a result of any action on the part of the owner, or assigns, then in such event, the owner or assigns shall be liable for all costs incidental to the repair of such broken or damaged sewers and/or water mains, and shall also be liable for any and all claims for damages resulting from his action.



April 20, 2023

Coleman A. Young Municipal Center
City of Detroit Department of Public Works
City Engineering Division
2 Woodward Ave, Suite 601
Detroit, MI 48226

Re: Old Reford Arts Alley: Encroachment Petition Cover Letter
MAP-23-43

On behalf of Detroit Art, Culture, and Entrepreneurship, OHM Advisors is writing this cover letter in response to the comments received by the City of Detroit's Department of Public Works in regard to the upcoming Arts Alleys project. The proposed Old Redford Arts Alley streetscape is located within the alley northeast of W Grand River Ave and Lahser Rd from Lahser Rd to Greydale Ave.

Within the alley right of way (ROW), existing concrete pavement and some storm will be removed and replaced. Other improvements include a 10' vehicle clearance zone, Arts Alleys signage, waste bins, community kiosks, overhead structures, concrete planters, and a 72" steel gate at the Greydale Ave entrance. We are also proposing a new water service line and improvements to stormwater collection system. The City of Detroit's office of Art, Culture, and Entrepreneurship (ACE) within the City of Detroit's General Services Department will be the owner of the above-referenced Encroachments. ACE will also be responsible for the maintenance and upkeep of these encroachments.

DPW Comments:

- Include letters of support from adjacent property owners who will lose access through the alley. **The property owners adjacent to the alley will not lose access to their property as a result of the proposed work. The proposed fencing work will maintain the existing gates on each end of the alley.**
- The bollards and benches may proceed in this review, however the proposed canopy would be considered a structure and is prohibited from encroaching into the public right of way. **In previous discussions with the DPW, no objections were given to the overhead structure. These meetings included Director Brundidge and Pamela Lemme.**

Please contact me with any questions at 313-481-1253 or via e-mail at Zachary.hampton@ohm-advisors.com.

Sincerely,
OHM Advisors

Two handwritten signatures in blue ink. The first signature is clearly legible as "Zachary". The second signature is less legible but appears to be "Hampton".

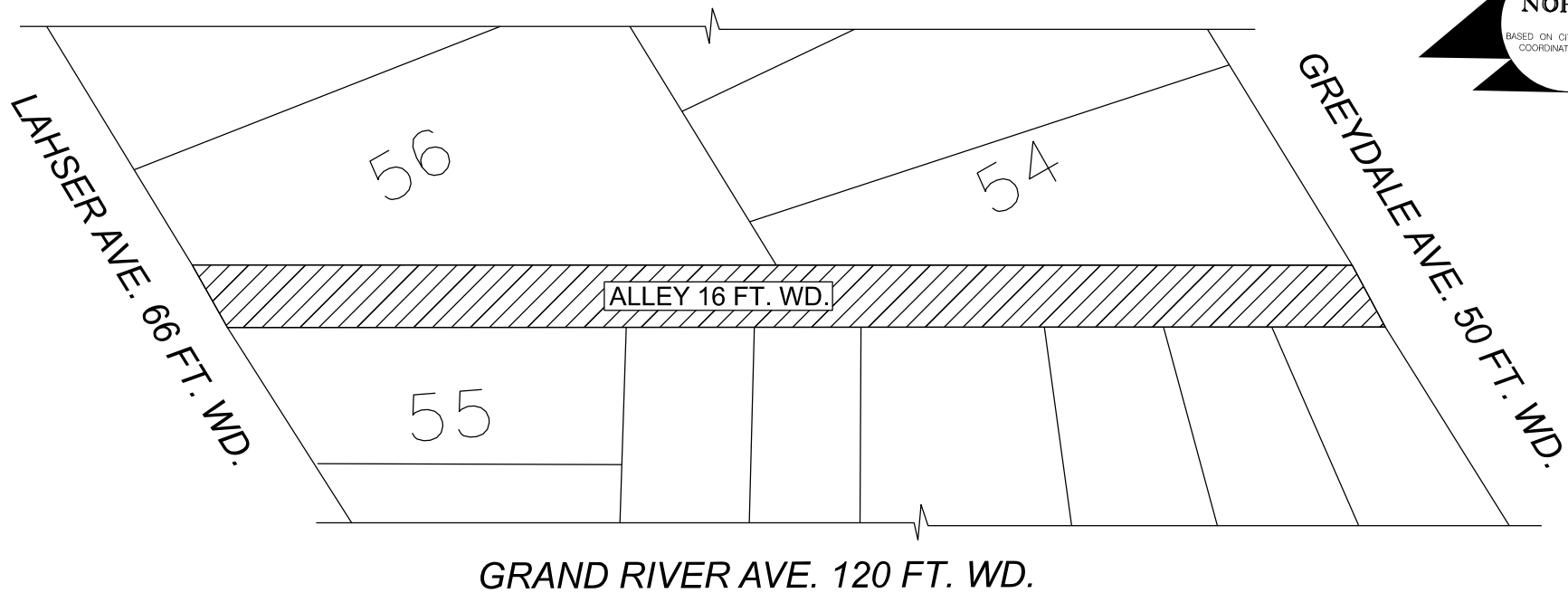
Zachary Hampton, P.E.
Project Engineer

cc: Jack Russo, Project Manager, Detroit ACE
Kareem Srour, Project Manager, Detroit ACE
File

PROVISIONS FOR ENCROACHMENT

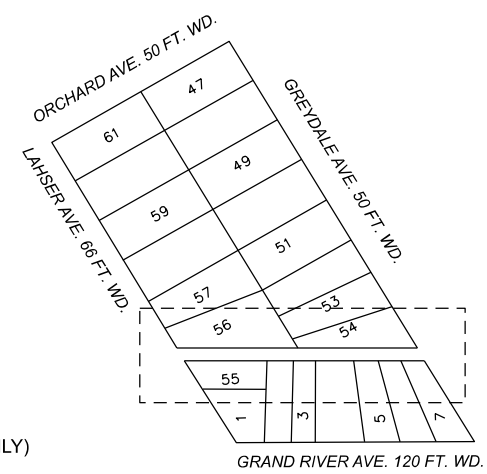
1. By approval of this petition the Detroit Water and Sewerage Department (DWSD) does not waive any of its rights to its facilities located in the right of way, and at all time, DWSD, its agents or employees, shall have the right to enter upon the right of way to maintain, repair, alter, service, inspect, or install its facilities. All costs incident to the damaging, dismantling, demolishing, removal and replacement of structures or other improvements herein permitted and incurred in gaining access to DWSD's facilities for maintenance, repairing, alteration, servicing, or inspection by DWSD shall be borne by the petitioner. All costs associated with gaining access to DWSD's facilities, which could normally be expected had the petitioner not encroached into the right of way shall be borne by DWSD.
2. All construction performed under this petition shall not be commenced until after five (5) days written notice to DWSD. Seventy-two (72) hour notice shall also be provided in accordance with P.A. 53 1974, as amended, utilizing the MISS DIG one call system.
3. Construction under this petition is subject to inspection and approval by DWSD. The cost of such inspection shall, at the discretion of DWSD, be borne by the petitioner.
4. DWSD prohibits the use of heavy construction equipment or the storage of building material directly over or near DWSD facilities. DWSD also prohibits the use of cranes and balls or hydraulic rams for pavement removal where DWSD facilities are involved. If the water main or sewer facilities are broken or damaged as a result of any action on the part of the contractor, the contractor shall be liable for all costs incidental to the repair of such broken or damaged water main or sewer facilities. If DWSD facilities located within the street shall break or be damaged as the result of any action on the part of the petitioner, then in such event the petitioner agrees to be liable for all costs incident to the repair, replacement or relocation of such broken or damaged DWSD facilities.
5. The petitioner shall hold DWSD harmless for any damage to the encroaching device constructed or installed under this petition, which may be caused by the failure of DWSD's facilities.
6. If at any time in the future the petitioner shall request removal and / or relocation of DWSD's facilities in the street being encroached upon, the petitioner agrees to pay all costs for such removal and/or relocation.
7. Prior to construction, Easement Encroachment Permit (EEP) should be obtained and the insurance required by the EEP should not expire until after completion of the construction.
8. For any proposed work that involves DWSD water mains and/or sewers, an approval and a permit is required from DWSD before commencement of work.
9. It is DWSD's requirement that any proposed utility crossing DWSD water mains and/or sewers perpendicularly must maintain a minimum of 18 inches vertical clearance. Any proposed utility running adjacent to DWSD water mains and/or sewers must maintain a minimum of 10 feet lateral clearance including any conduit and/or manholes walls. No utility is allowed to run along the top of the water main or/or sewer.
10. It is DWSD's requirement that no encroachment has a vertical clearance of less than 16 feet over DWSD water mains and/or sewers.

MAP-23-43



 - REQUEST ALLEY EASEMENT

(FOR OFFICE USE ONLY)



CARTO 114 D

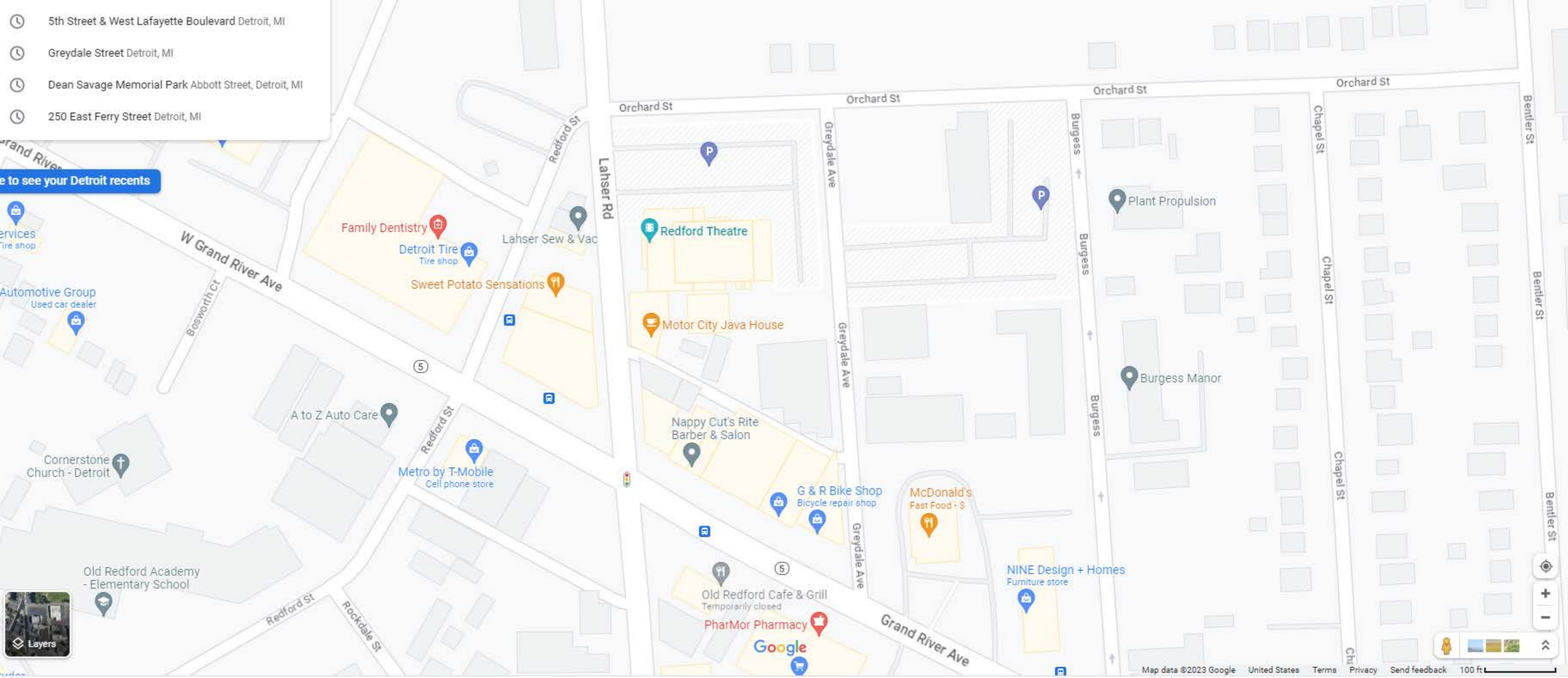
B					
A					
DESCRIPTION	DRWN	CHKD	APPD	DATE	
REVISIONS					
DRAWN BY	LC	CHECKED	JD		
DATE	04-10-2023	APPROVED	JD		

REQUEST EASEMENT FOR ALLEY
BOUNDED BY LAHSER RD., GRAND RIVER AVE.,
GREYDALE AVE., AND ORCHARD AVE.
FOR ARTS ALLEYS - PHASE 1

CITY OF DETROIT CITY ENGINEERING DIVISION SURVEY BUREAU	
JOB NO.	23-43
DRWG. NO.	

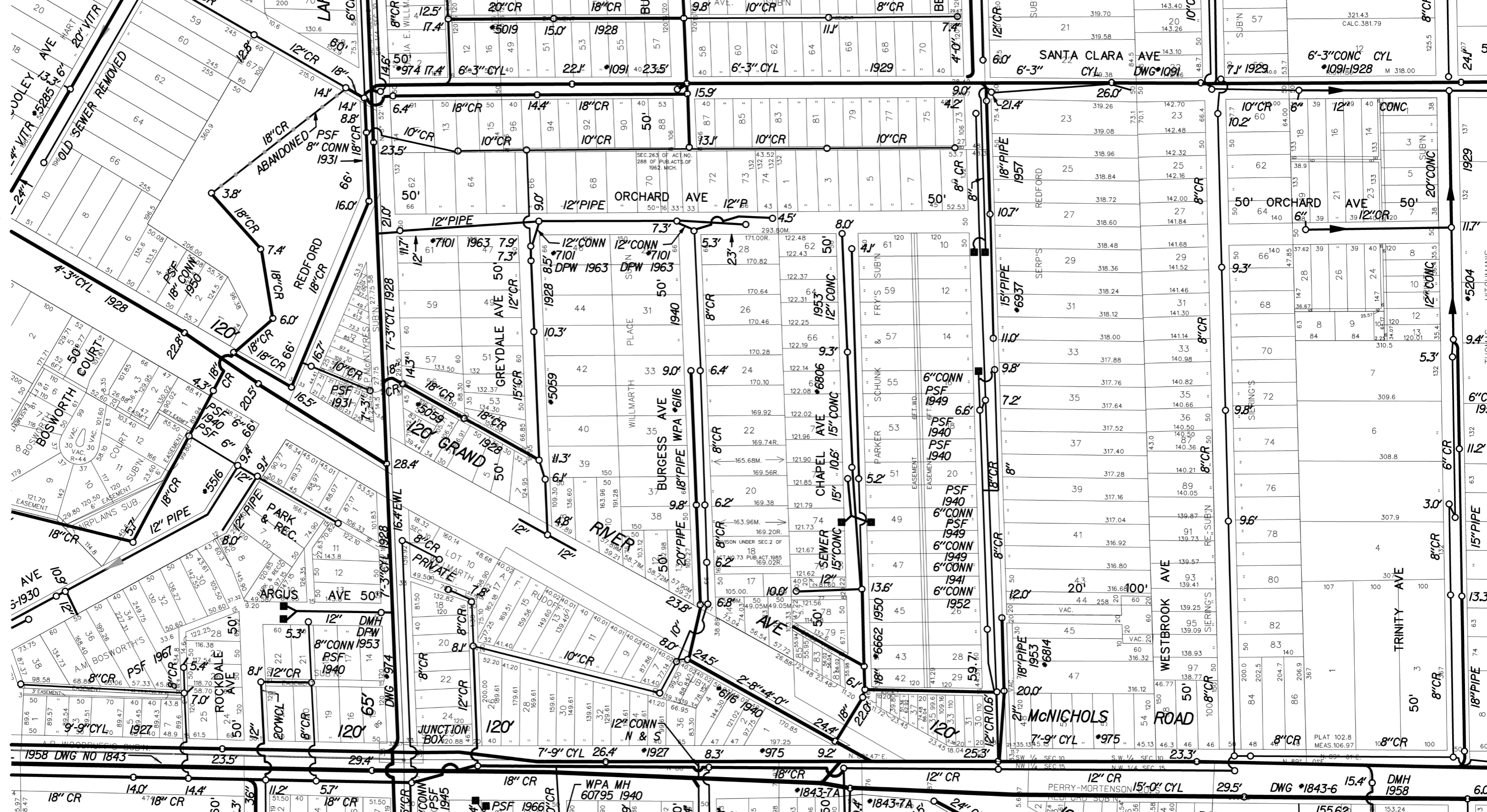
- 🕒 5th Street & West Lafayette Boulevard Detroit, MI
- 🕒 Greydale Street Detroit, MI
- 🕒 Dean Savage Memorial Park Abbott Street, Detroit, MI
- 🕒 250 East Ferry Street Detroit, MI

Click here to see your Detroit recents



- Services Tire shop
- Automotive Group Used car dealer
- Cornerstone Church - Detroit
- Old Redford Academy - Elementary School
- Layers

S-122-F



1958 DWG NO 1843

29.4

7'-9" CYL 26.4 *1927

8.3' *975

9.2' *1843-7A

12" CR PERRY-MORTENSON

15'-0" CYL 29.5' DWG *1843-6

15.4' DMH 1958

6.0'

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
WM SAN STM
- ADA SIDEWALK RAMP

PROPOSED PAVEMENT LEGEND

- 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 TURF AREA

OHM
ARCHITECTS ENGINEERS PLANNERS
1145 Griswold, Suite 200
Detroit, MI 48226
P (313) 481-1250
OHM-ADVISORS.COM

Detroit
Arts, Culture, Entrepreneurship

livingLAB

STATE OF MICHIGAN
ZACHARY J. CAMPBELL
ENGINEER
No. 6201310005
EXPIRES 12/31/2025

REVISIONS

DATE: 7/22/2020
PROJ NUMBER: 7522-00-010
ENG: ZJH
PROJ MGR: GCR
CADD: JS
COUNTY: WAYNE
MUNICIPALITY: DETROIT

CITY OF DETROIT
ART ALLEYS - PHASE 1
LEGEND

DRAWING PATH: P:\3501_7600752220010_Art Alleys\Drawings\Civil\Misc\220010\LEG_REDEF.dwg Sep 18, 2023 - 5:00pm

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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 CONTRACTOR'S 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 OWNER 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.

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.



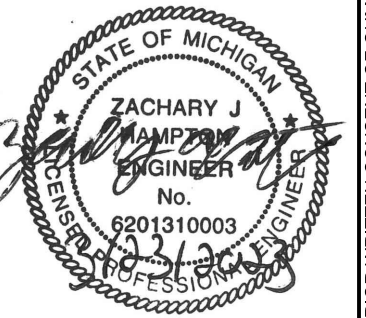
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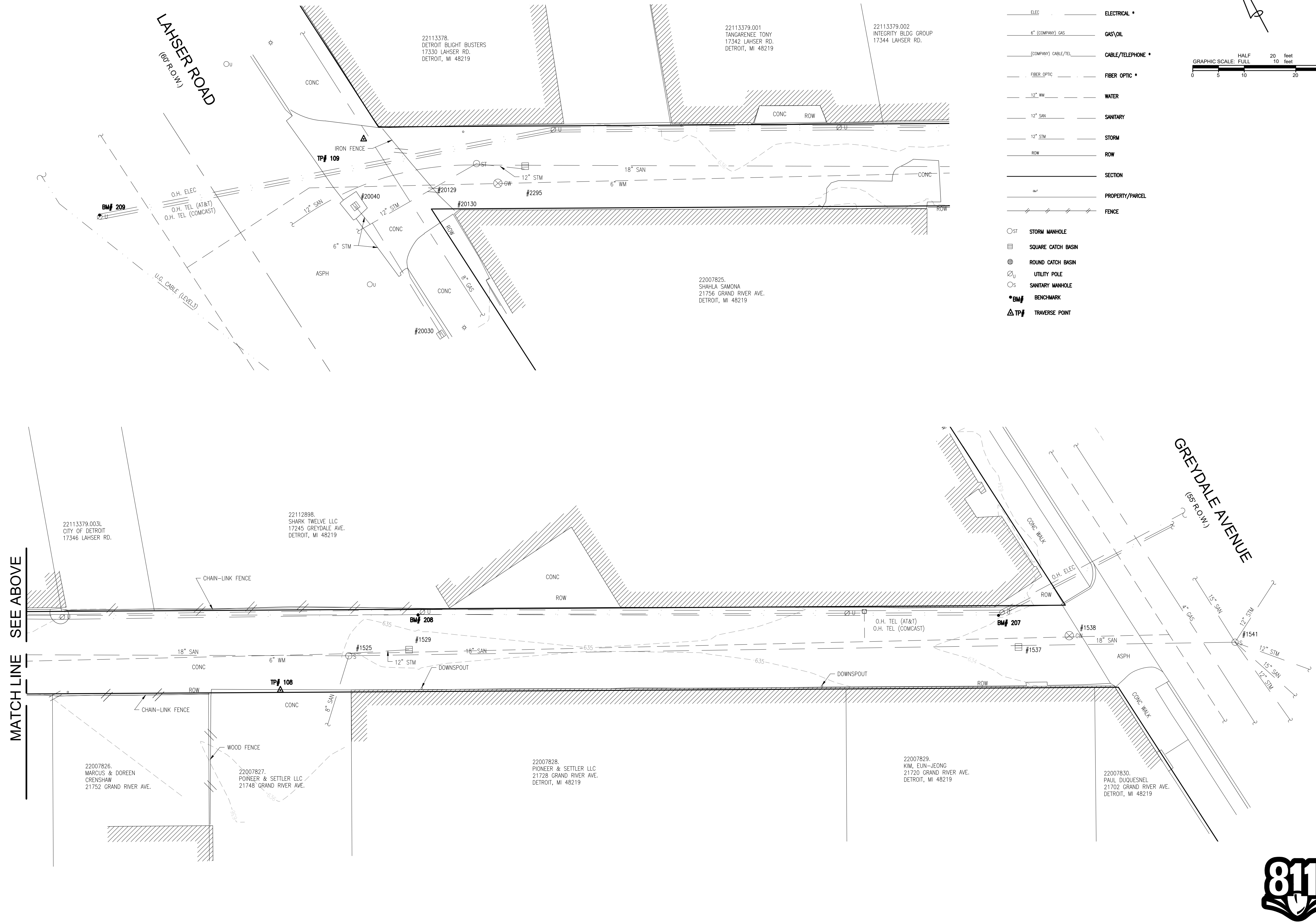
REVISIONS	

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
	7822-20-010	ZJH	GCR	MI	WAYNE	DETROIT
CITY OF DETROIT ART ALLEYS - PHASE 1 GENERAL NOTES SHEET						

OLD REDFORD ARTS ALLEY

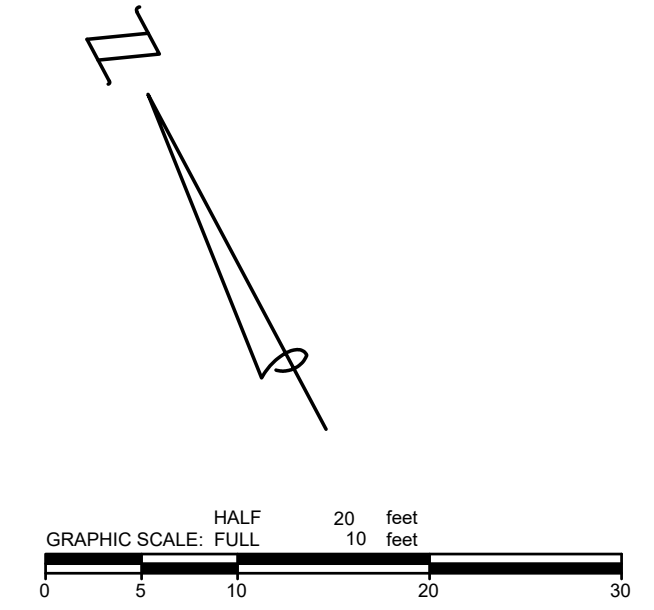
(16' R.O.W.)

JOB BENCHMARK #207 DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE ON W/SIDE OF GREYDALE ST AT BEGINNING OF ALLEY ELEV 635.05
JOB BENCHMARK #208 DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE NEAR MID POINT OF ALLEY, +/-15FT NE OF CB#1529 ELEV 636.39
JOB BENCHMARK #209 DESCRIPTION: SET COTTON SPINDLE ON E/FACE OF U/POLE ON W SIDE OF LAHSER RD AT ALLEY INTERSECTION ELEV 636.05
TRAVERSE POINT #107 N 335980.45 E 13423160.35 ELEV 633.88
TRAVERSE POINT #108 N 336070.76 E 13422989.20 ELEV 635.32
TRAVERSE POINT #109 N 336158.16 E 13422830.89 ELEV 635.89



LEGEND

— ELEC —	ELECTRICAL *
— 6" (COMPANY) GAS —	GAS/OIL
— (COMPANY) CABLE/TEL —	CABLE/TELEPHONE *
— FIBER_OPTIC —	FIBER OPTIC *
— 12" WM —	WATER
— 12" SAN —	SANITARY
— 12" STM —	STORM
— ROW —	ROW
— SECTION —	SECTION
— PROPERTY/PARCEL —	PROPERTY/PARCEL
— FENCE —	FENCE
○ ST	STORM MANHOLE
■	SQUARE CATCH BASIN
⊕	ROUND CATCH BASIN
○ U	UTILITY POLE
○ S	SANITARY MANHOLE
● BM#	BENCHMARK
△ TP#	TRAVERSE POINT



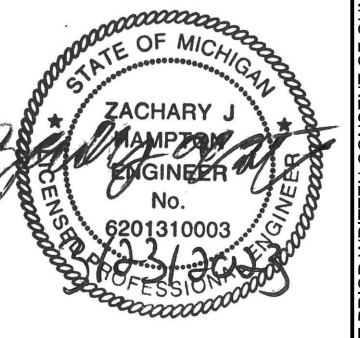
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DRAWING PATH: P:\7501_7600\7522220010_Arts Alleys\Drawings\Civil\Plans_Const\22010510_SUB_REDEF.dwg Sep 18, 2023 - 5:01pm

#1538 GATE WELL T/CAST 633.67 TOP OF DEBRIS 630.00
#1525 STORM MANHOLE T/CAST 635.06 12" CONC INV E 630.93 8" CLAY INV SW 628.37 18" CONC INV E 622.16 18" CONC INV W 622.14
#1529 SQ CATCH BASIN T/CAST 634.73 12" CONC INV W 630.13 TOP OF DEBRIS 629.73
#1537 SQ CATCH BASIN T/CAST 633.42 TOP OF DEBRIS 628.89
#1541 COMBINED MANHOLE T/CAST 633.70 18" CONC INV W 622.62 15" CONC INV N 622.63 12" CLAY INV NE 624.40 15" CONC INV E 623.47 12" CONC INV SE 625.81 12" CONC INV S 628.37
#2295 SQ CATCH BASIN T/CAST 635.08
#20030 SQ CATCH BASIN T/CAST 635.01 6" CONC INV N 632.31
#20040 SQ CATCH BASIN T/CAST 635.12 6" CONC INV S 631.87
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#20130 STORM MANHOLE T/CAST 635.55 TOP OF DEBRIS 631.57

REVISIONS					
DATE	PROJ NUMBER	ENG	PROJ INGR	CADD	COUNTY
	7522-00-010	Z/JH	GCR	JS	WAYNE
					DETROIT

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



Know what's below.
Call before you dig.

SHEET C4

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OLD REDFORD ARTS ALLEY

(16' R.O.W.)

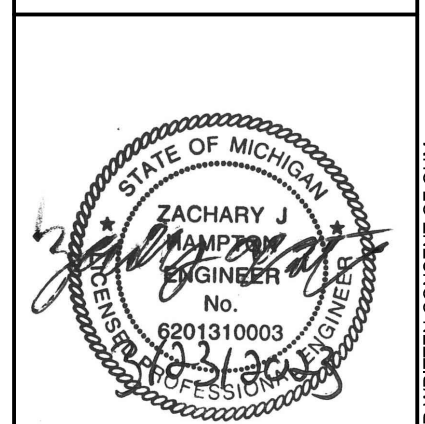
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TRAVERSE POINT #109 N 336158.16 E 13422830.89 ELEV 635.89






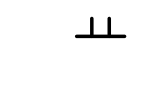

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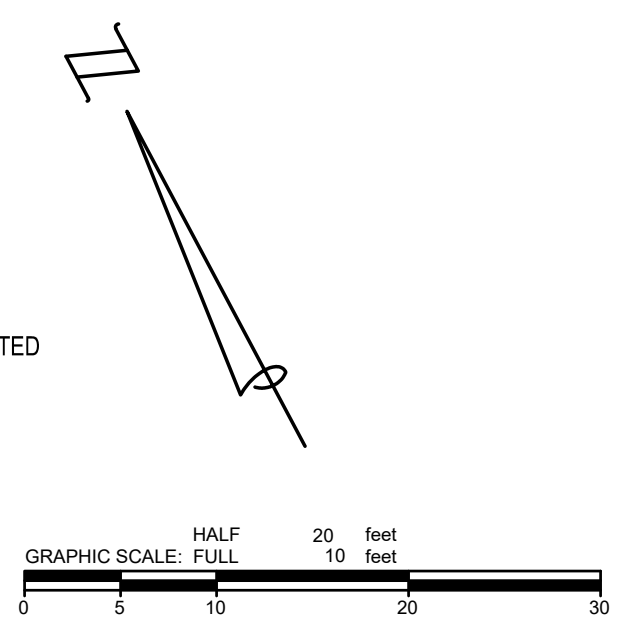


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LEGEND

-  ENTRY / EXIT
-  VACANT PARCELS WITH POTENTIAL ENTRY / EXIT. VEHICLES NOT PERMITTED
-  WORK ZONE
-  TEMPORARY SIGN
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED



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

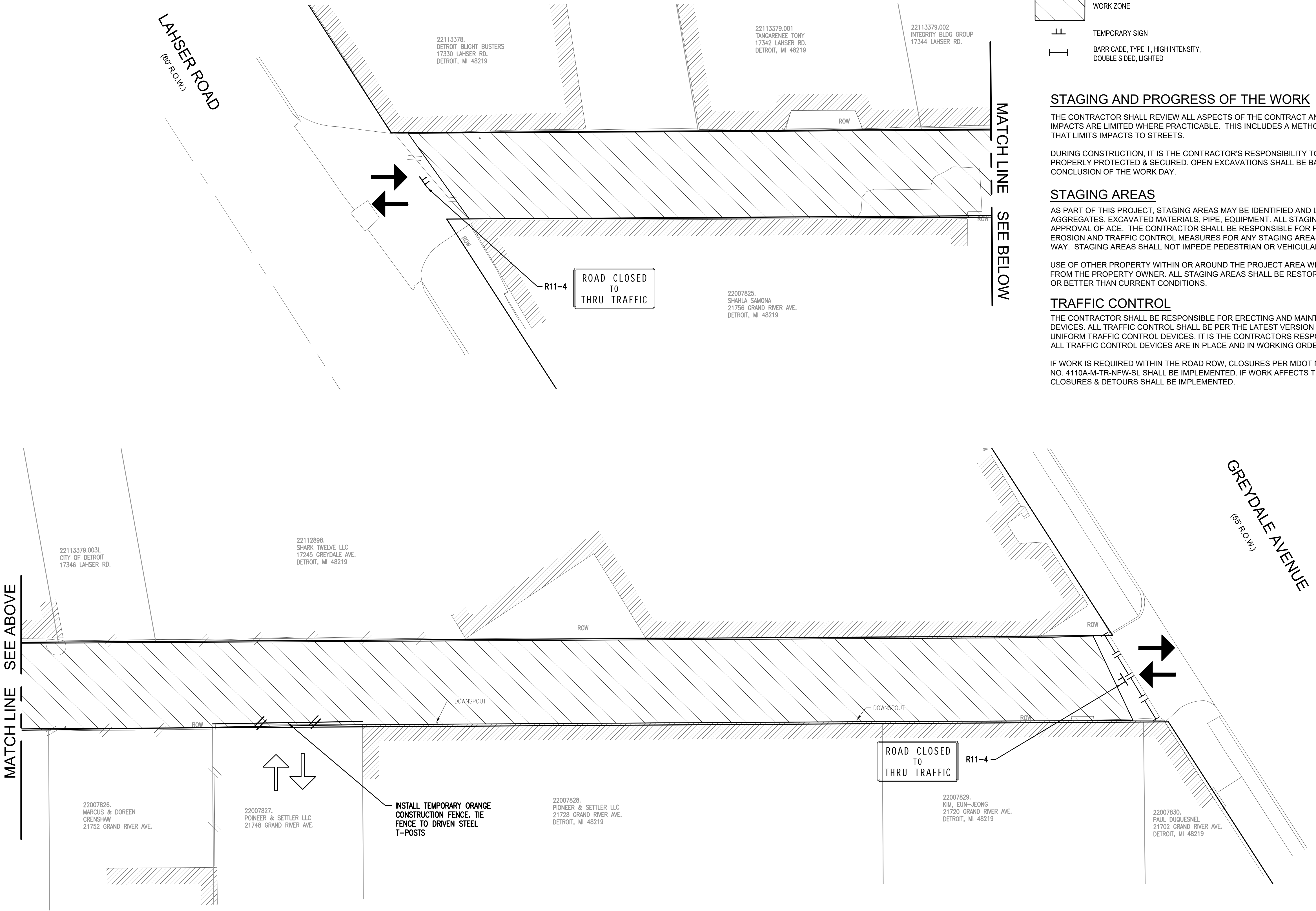
AS PART OF THIS PROJECT, STAGING AREAS MAY BE IDENTIFIED AND USED FOR THE STORAGE OF AGGREGATES, EXCAVATED MATERIALS, PIPE, EQUIPMENT. ALL STAGING AREAS SHALL BE PER THE APPROVAL OF ACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL SOIL EROSION AND TRAFFIC CONTROL MEASURES FOR ANY STAGING AREAS WITHIN THE PUBLIC RIGHT OF WAY. STAGING AREAS SHALL NOT IMPEDE PEDESTRIAN OR VEHICULAR TRAFFIC PATTERNS.

USE OF OTHER PROPERTY WITHIN OR AROUND THE PROJECT AREA WILL REQUIRE WRITTEN APPROVAL FROM THE PROPERTY OWNER. ALL STAGING AREAS SHALL BE RESTORED TO A CONDITION EQUIVALENT OR BETTER THAN CURRENT CONDITIONS.

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 CONTRACTORS 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.



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



DRAWING PATH: P:\7501_7600\7522220010_Arts Alleys\Drawings\Civil\MSA\22001\STG_RED.FDW Sep 18, 2023 - 5:01pm

REVISIONS

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
04/11/2023	7522-00-010	ZJH	GCR	JS	WAYNE	DETROIT

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

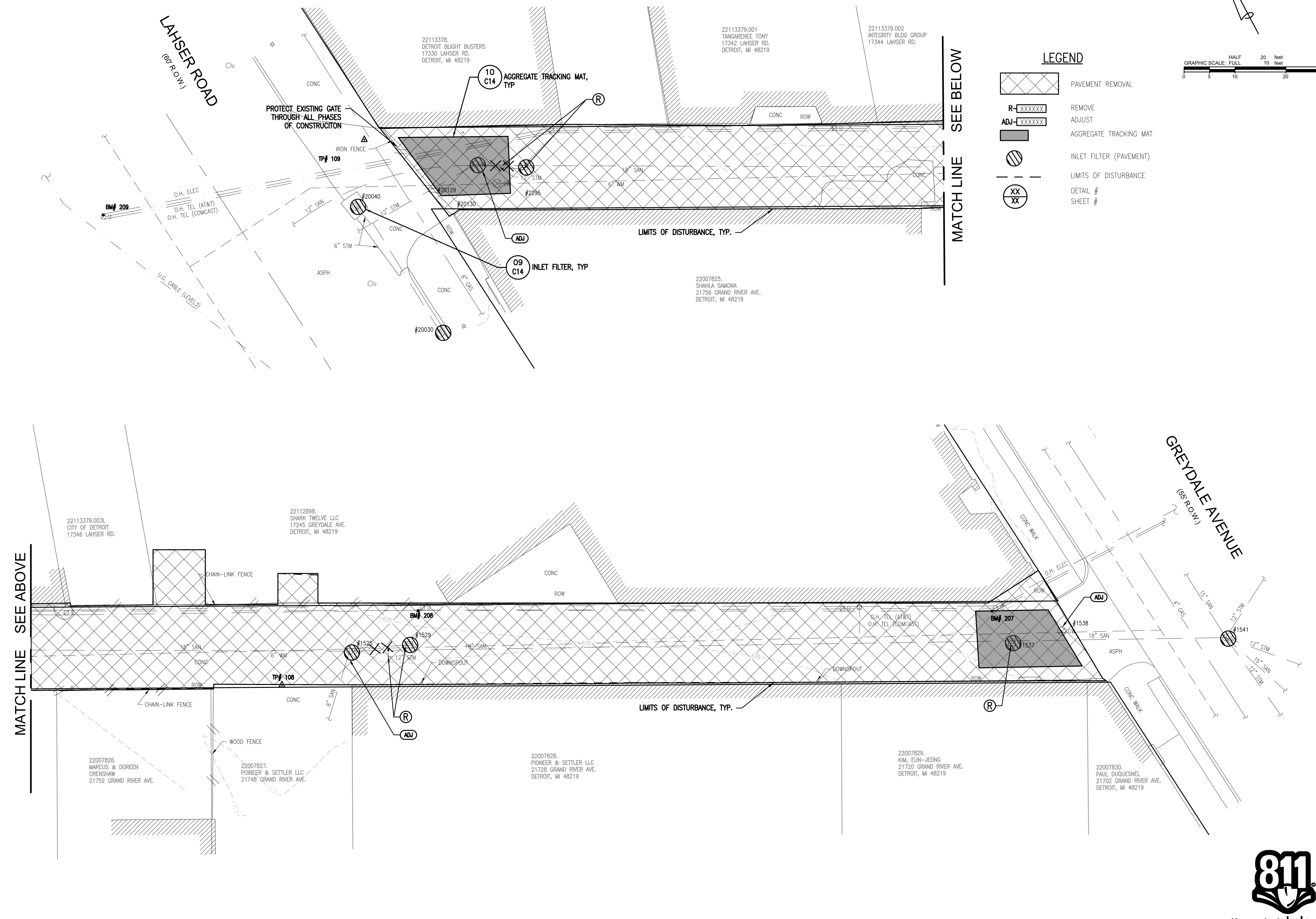
SHEET
C5

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TRAVERSE POINT #108 N 336070.76 E 13422989.20 ELEV 635.32
TRAVERSE POINT #109 N 336158.16 E 13422830.89 ELEV 635.89

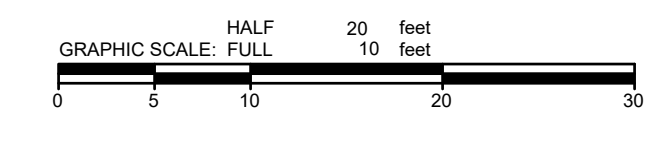
OLD REDFORD ARTS ALLEY

(16' R.O.W.)



LEGEND

	PAVEMENT REMOVAL
	REMOVE
	ADJUST
	AGGREGATE TRACKING MAT
	INLET FILTER (PAVEMENT)
	LIMITS OF DISTURBANCE
	DETAIL #
	SHEET #



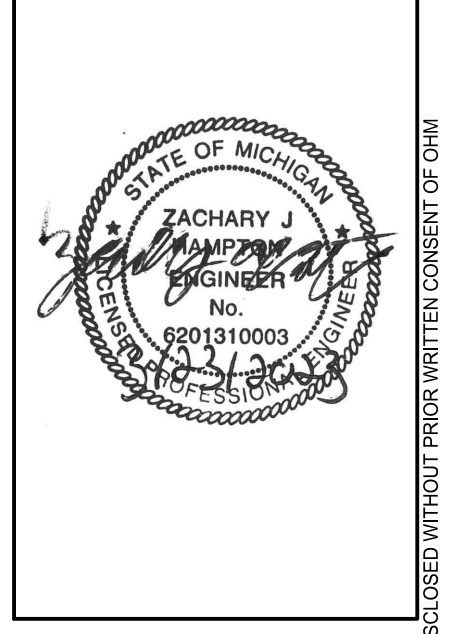
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#1538 GATE WELL T/CAST TOP OF DEBRIS 630.00
#1525 STORM MANHOLE T/CAST 635.06 12" CONC INV E 630.93 8" CLAY INV SW 628.37 18" CONC INV E 622.16 18" CONC INV W 622.14
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REVISIONS					
DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY
	7522-00-010	Z/JH	GCR	JS	WAYNE
CITY OF DETROIT					
ART ALLEYS - PHASE 1					
DEMOLITION					



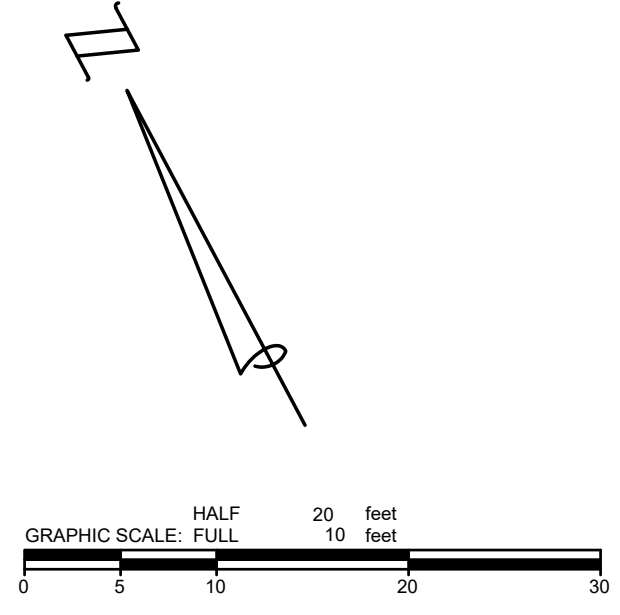
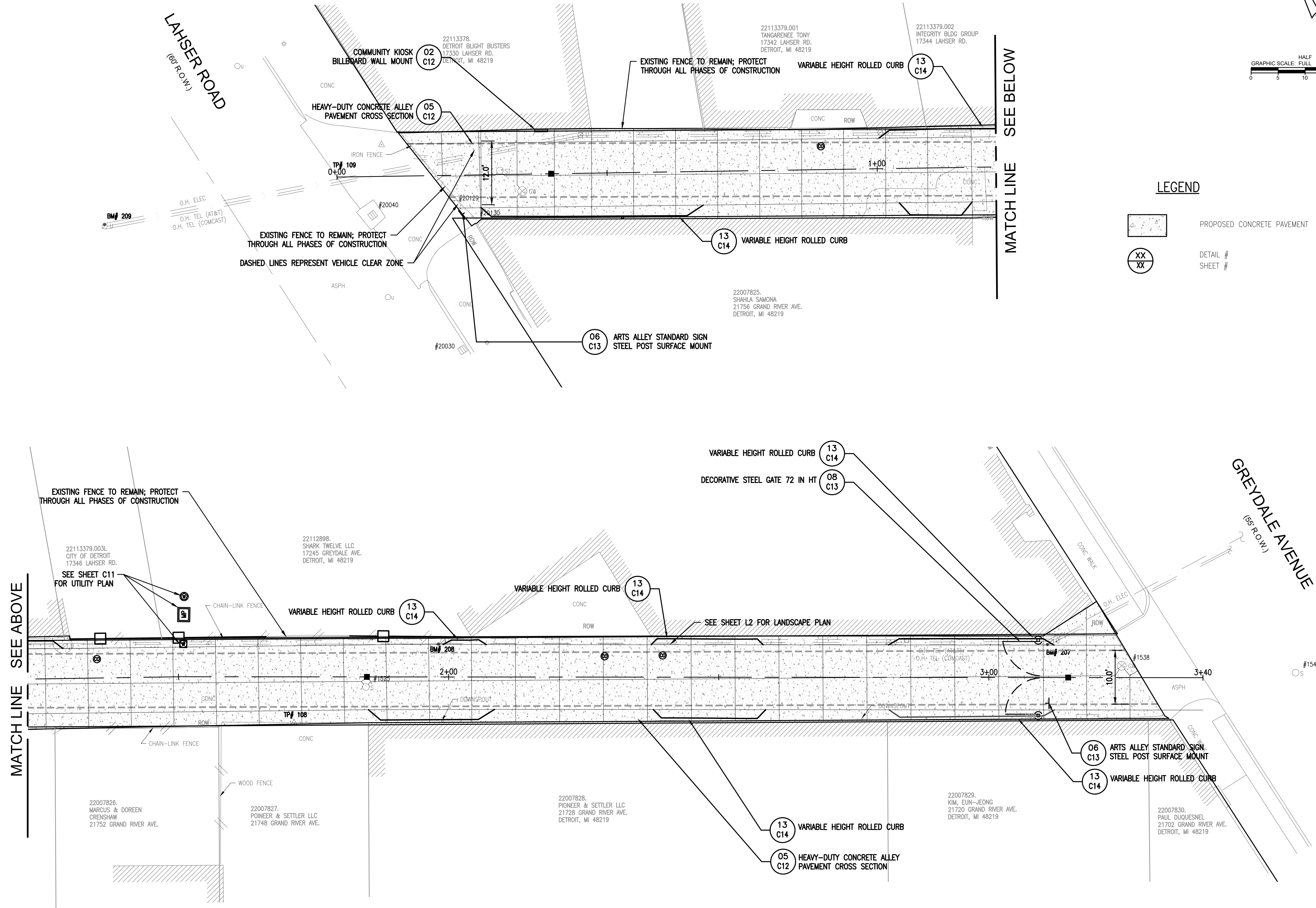
SHEET C6

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TRAVERSE POINT #108 N 336070.76 E 13422989.20 ELEV 635.32
TRAVERSE POINT #109 N 336158.16 E 13422830.89 ELEV 635.89

OLD REDFORD ARTS ALLEY

(16' R.O.W.)



LEGEND

	PROPOSED CONCRETE PAVEMENT
	DETAIL #
	SHEET #

DRAWING PATH: P:\7501_7600\7522222010_Arts Alleys\Drawings\Civil\Plans_Const\220101SITE_REDE.dwg Sep 18, 2023 - 5:02pm

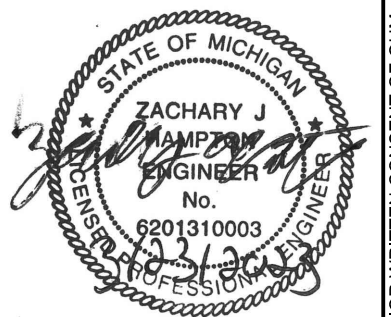
NOTE:
CONTRACTOR TO REVIEW LOCATIONS FOR SITE FURNISHINGS WITH OWNER AND ENGINEER PRIOR TO FINAL INSTALLATION.
MODIFICATIONS TO LOCATIONS MAY BE MADE AT THE DISCRETION OF THE OWNDER AT NO ADDITIONAL COST



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7/22/2020	7522-0010	ZJK	GCR	JS	WAYNE	DETROIT
CITY OF DETROIT ART ALLEYS - PHASE 1 SITE LAYOUT PLAN						

SHEET **C7**

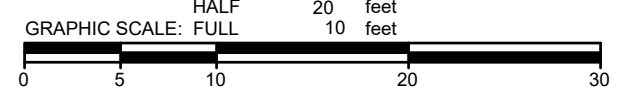
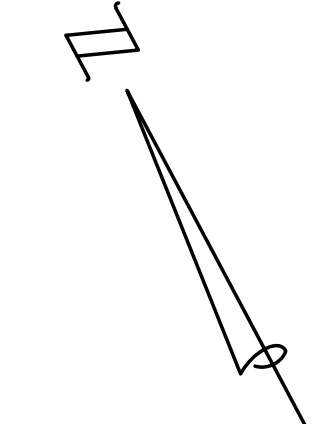
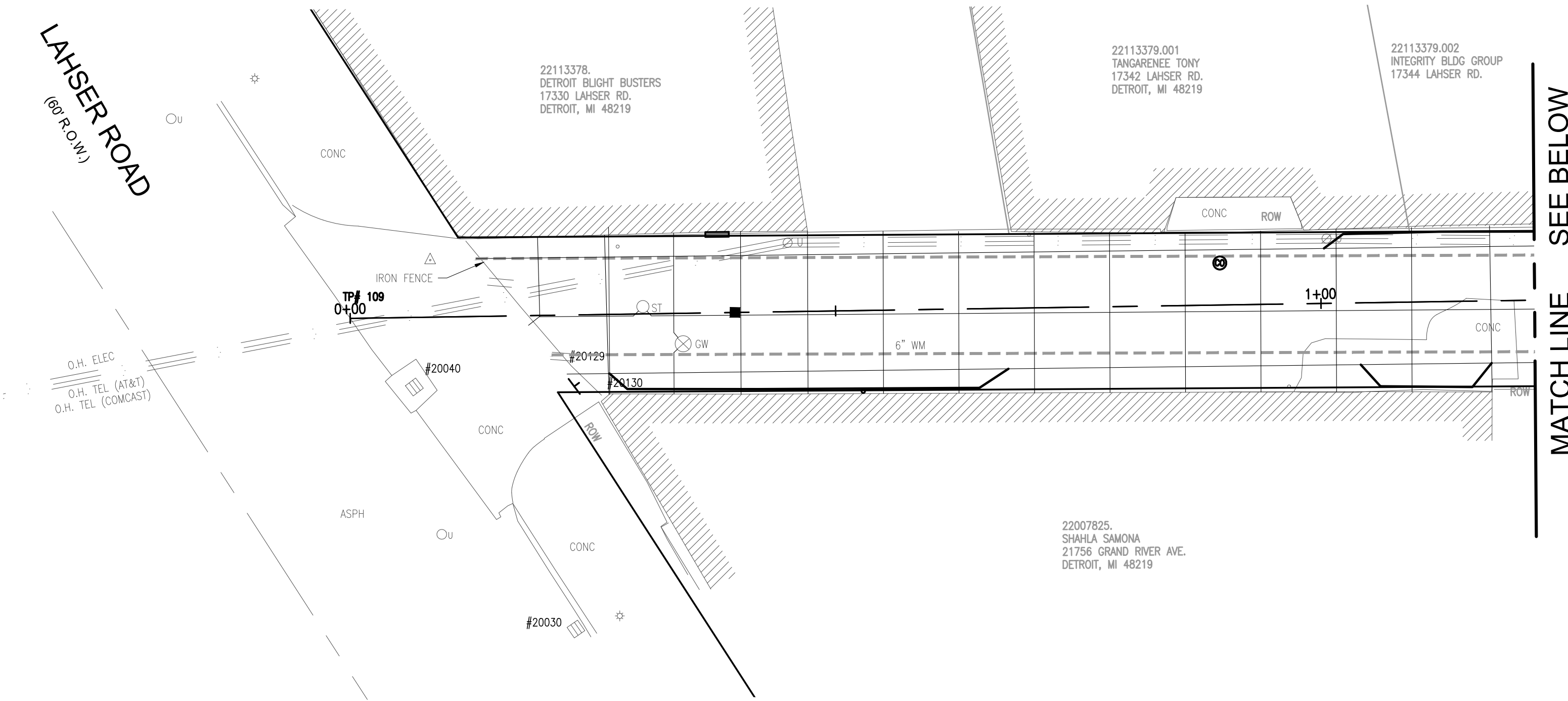
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OLD REDFORD ARTS ALLEY

(16' R.O.W.)

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TRAVERSE POINT #108 N 336070.76 E 13422989.20 ELEV 6.35.32
TRAVERSE POINT #109 N 336158.16 E 13422830.89 ELEV 6.35.89

LAHSER ROAD
(60' R.O.W.)

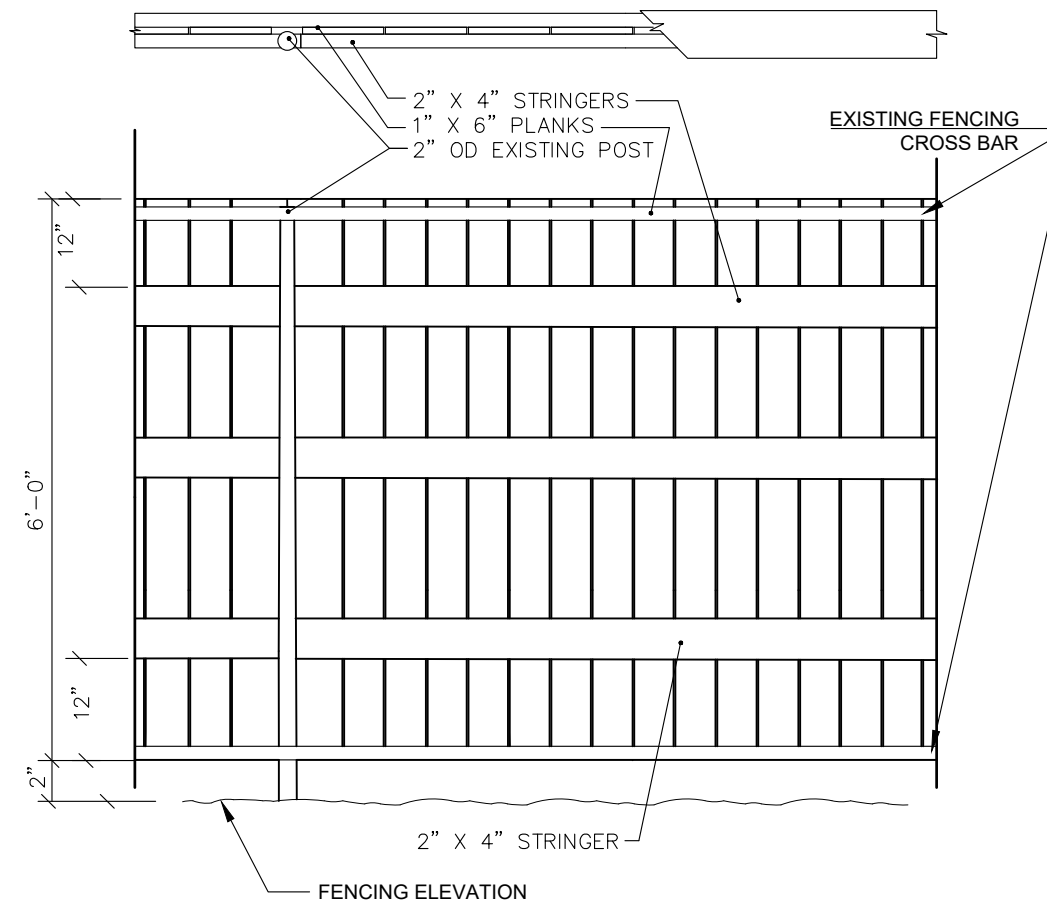
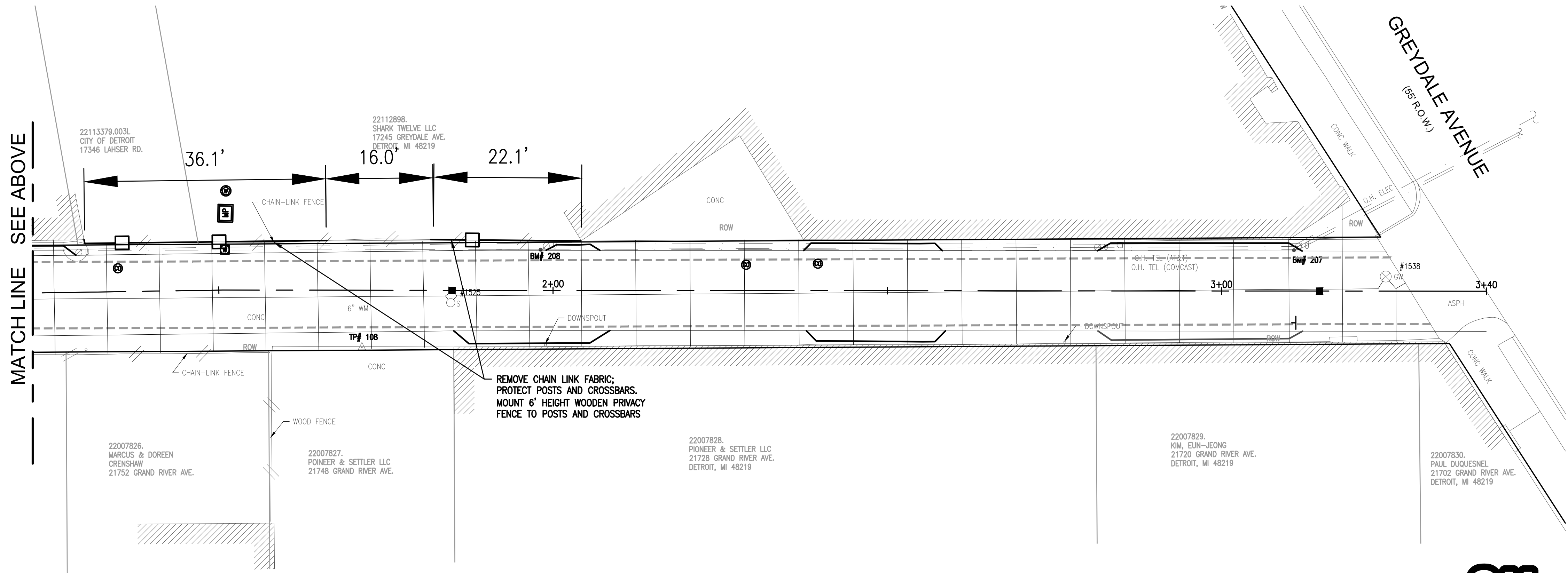


LEGEND

REMOVE & REPLACE WITH 6' WOODEN FENCE

MATCH LINE SEE BELOW

MATCH LINE SEE ABOVE



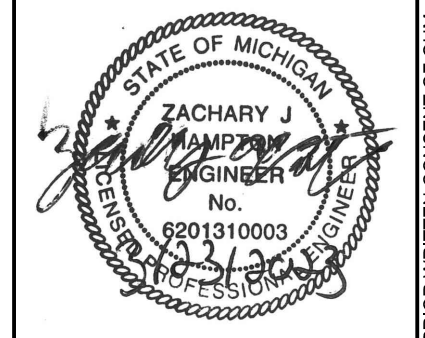
- NOTES:
- ALL NAILS AND HARDWARE TO BE HOT DIPPED GALVANIZED
 - WOOD RAILS MAXIMUM DISTANCE FROM TOP AND BOTTOM 12"
 - MINIMUM RAIL SIZE 2"x4" WITH 3 RAILS REQUIRED
 - CONTRACTOR TO SUBMIT SHOP DRAWINGS PRIOR TO FINAL CONSTRUCTION ILLUSTRATING FULL FENCE ELEVATION AND METHOD OF ATTACHMENT FROM FENCE PANEL TO EXISTING FENCING POST AND CROSSBAR
 - CONTRACTOR RESPONSIBLE FOR ADHERING TO ALL FENCING ORDINANCE REQUIREMENTS AND OBTAINING FENCING PERMIT

6FT WOODEN PRIVACY FENCE

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	7522-02-010	Z/JH	GCR	JS	WAYNE	DETROIT
CITY OF DETROIT ART ALLEYS - PHASE 1 SITE LAYOUT PLAN - FENCING						



BASE BID: NO MODIFICATIONS TO EXISTING FENCING
ALTERNATE #1: REMOVE 65FT OF CHAIN LINK FABRIC; MAINTAIN AND PROTECT EXISTING FENCING POSTS AND CROSS BARS. MOUNT 6' HEIGHT WOODEN PRIVACY FENCE TO EXISTING FENCE POSTS AND CROSS BARS

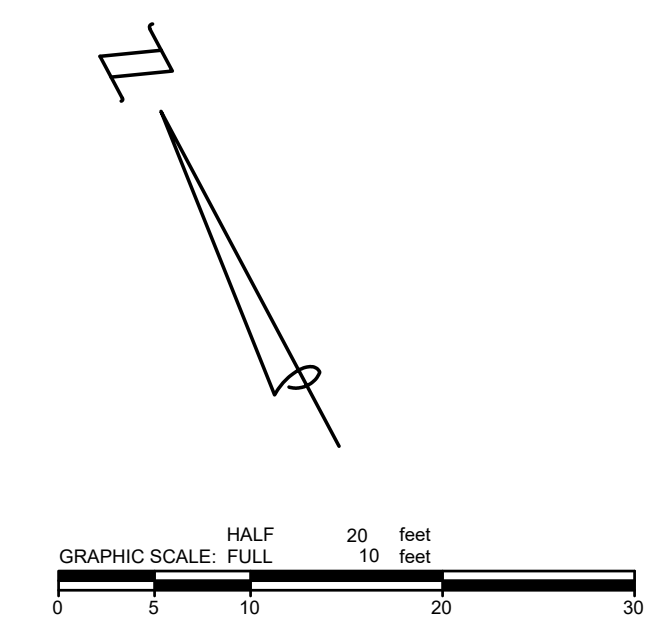
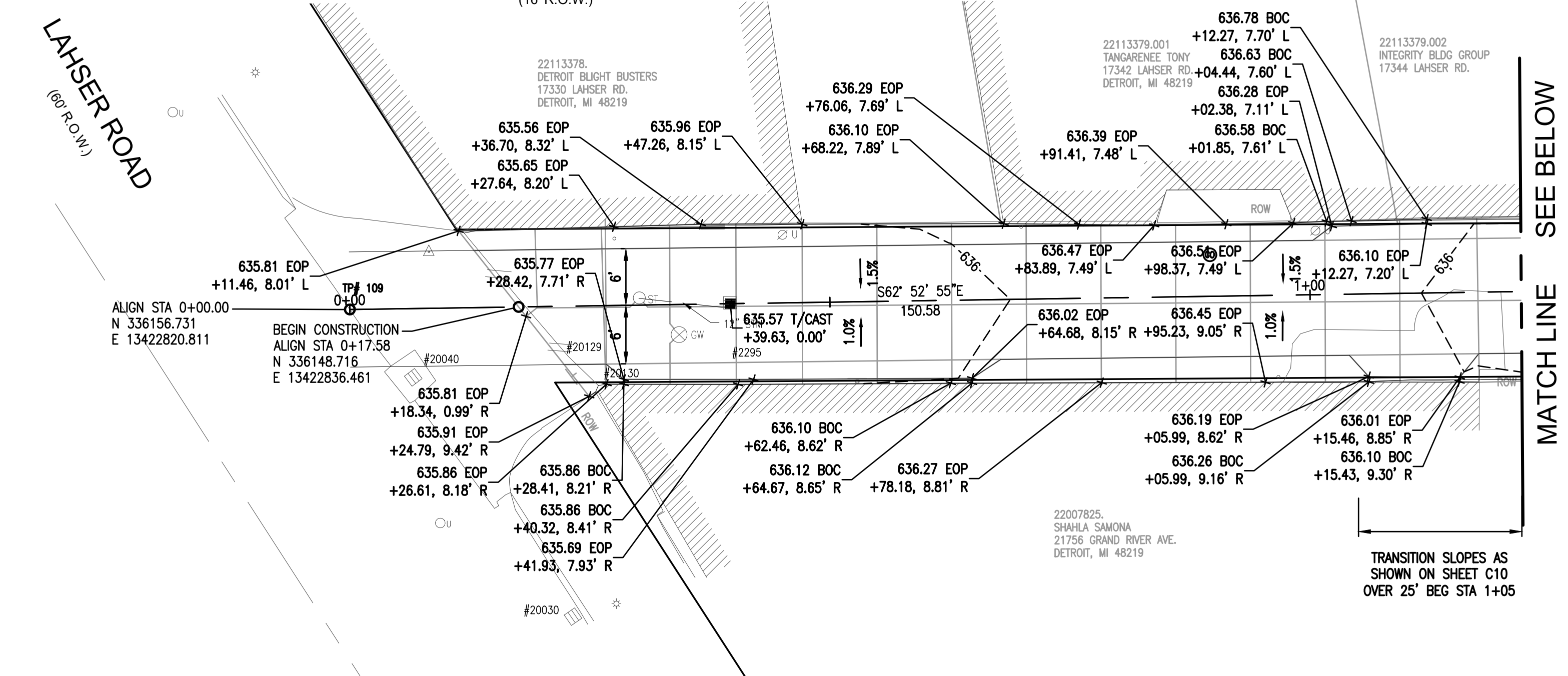
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OLD REDFORD ARTS ALLEY

(16' R.O.W.)



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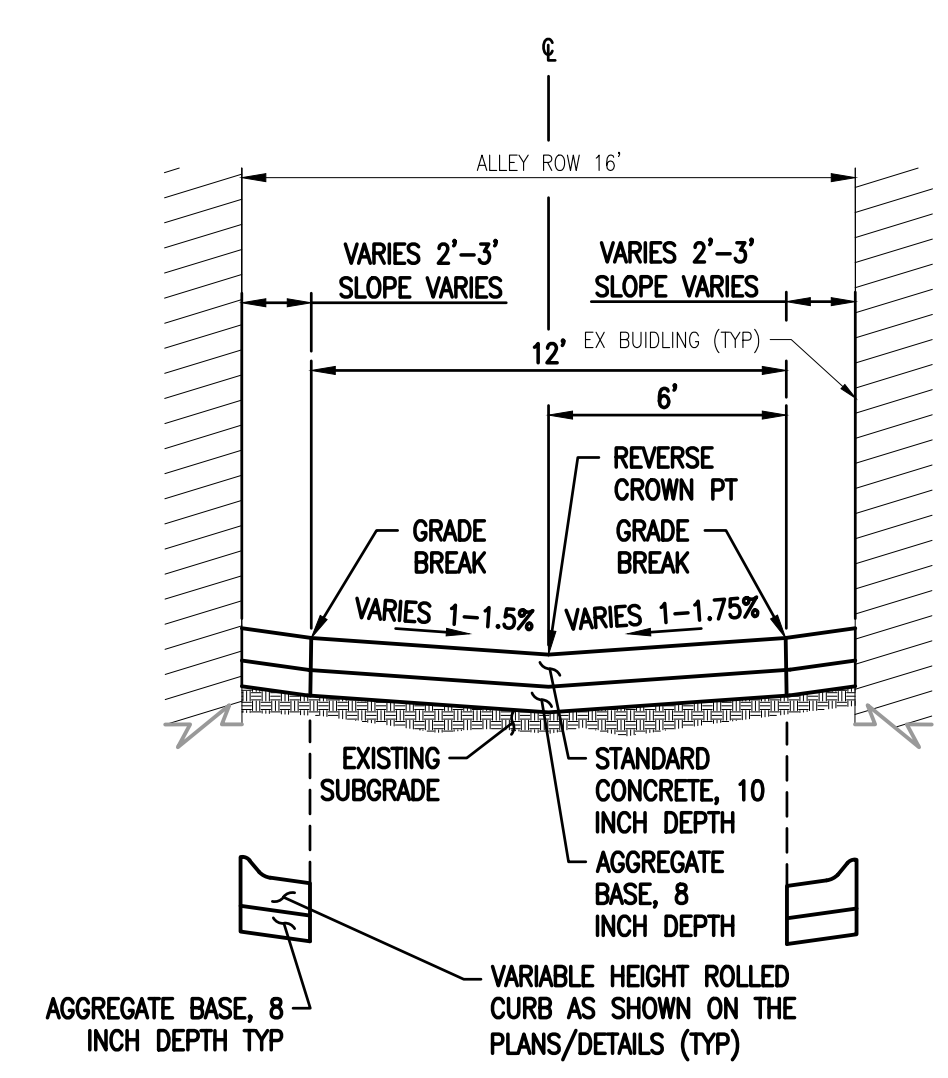


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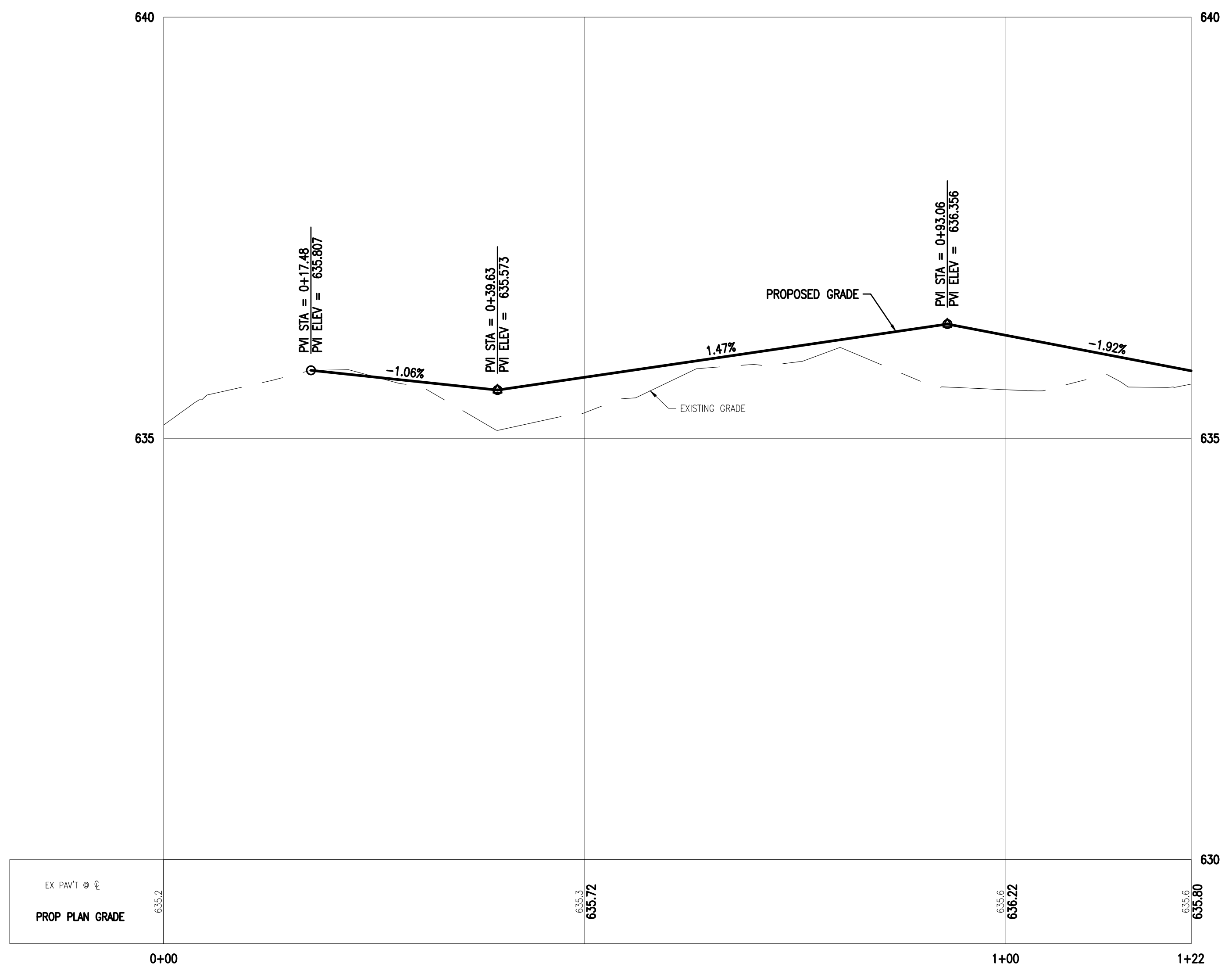
STATE OF MICHIGAN
ZACHARY J. [Signature]
ENGINEER
No. 6201310003
PROFESSIONAL

LEGEND

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



PROPOSED TYPICAL CROSS SECTION - OLD REDFORD



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REVISIONS:
.....

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	MUNICIPALITY
7/22/2010	7522-0010	ZJH	GCR	MI	WAYNE	DETROIT

CITY OF DETROIT
ART ALLEYS - PHASE 1
GRADING PLAN



OLD REDFORD ARTS ALLEY

(16' R.O.W.)

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DESCRIPTION: SET COTTON SPINDLE ON E/FACE OF U/POLE ON W SIDE OF LASHER RD AT ALLEY INTERSECTION ELEV 636.05

TRAVERSE POINT #107
N 335980.45
E 13423160.35
ELEV 633.88

TRAVERSE POINT #108
N 336070.76
E 13422989.20
ELEV 635.32

TRAVERSE POINT #109
N 336158.16
E 13422830.89
ELEV 635.89



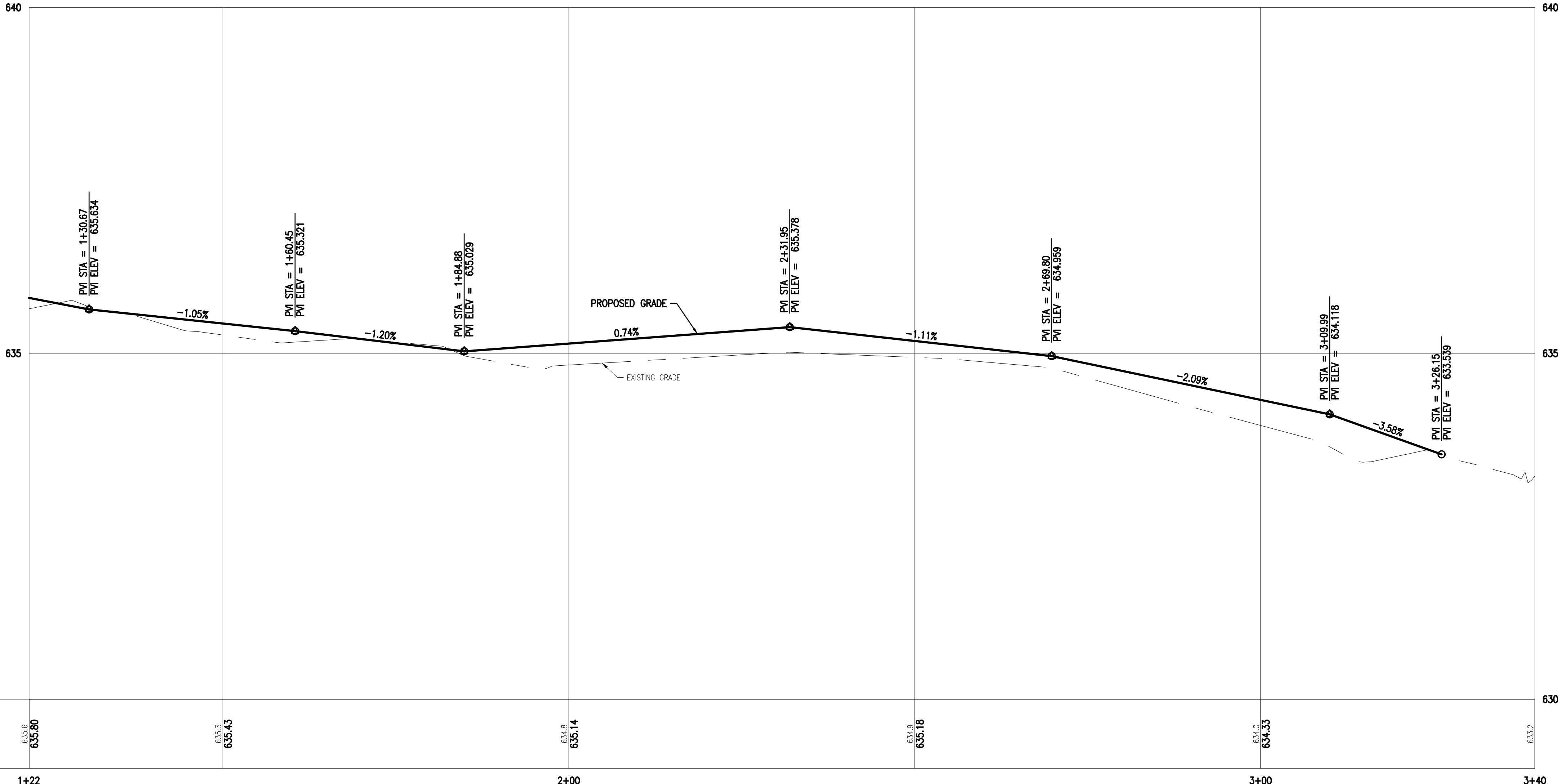
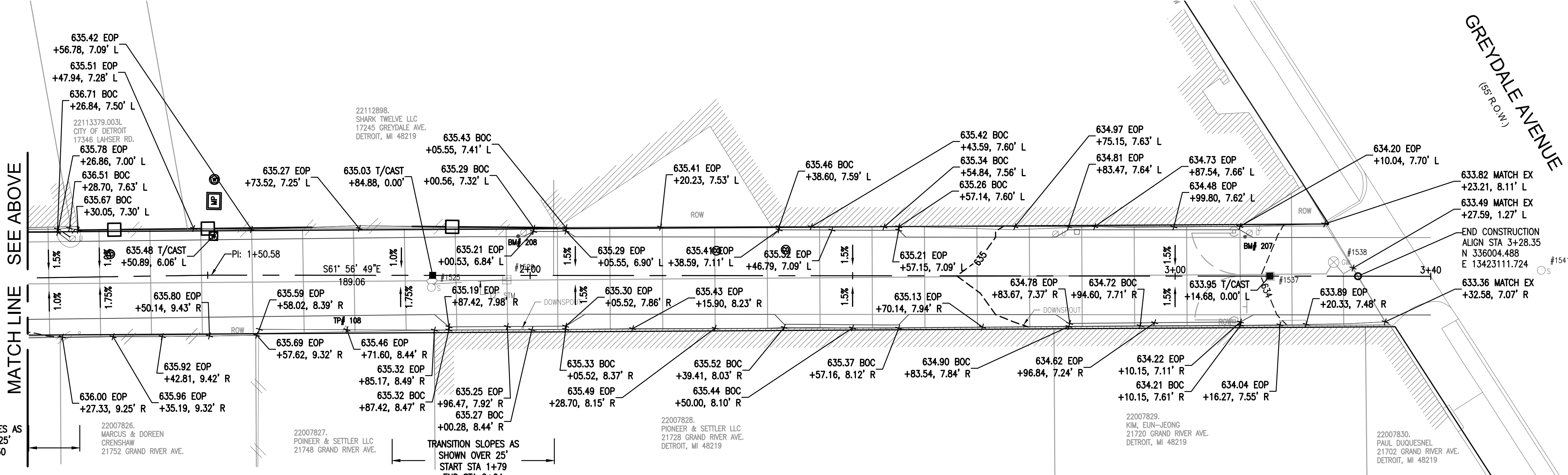
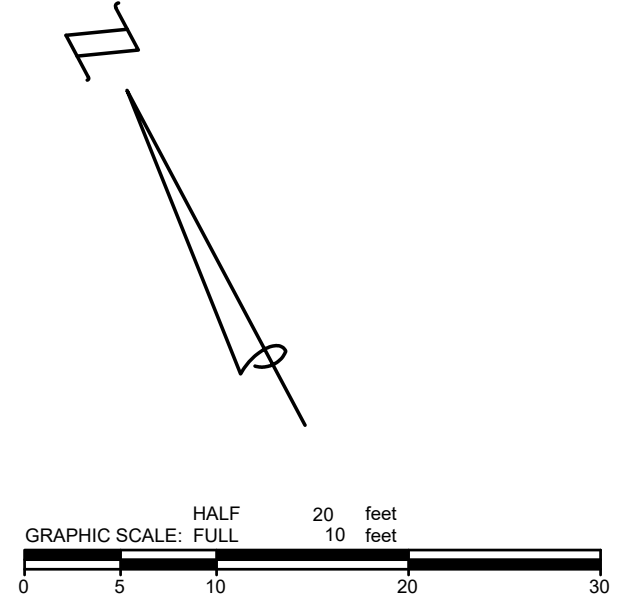
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DRAWING PATH: P:\501_7600782222010_Arts Alleys\Drawings\Civil\Grading\220010GRD_REDF.dwg Sep 18, 2023 - 5:04pm

REVISIONS:

DATE: 7/22/2020
PROJ NUMBER: 7522-0010
ENG: ZJH
PROJ MGR: GCR

CADD: JS
COUNTY: WAYNE
MUNICIPALITY: DETROIT

CITY OF DETROIT
ART ALLEYS - PHASE 1
GRADING PLAN



Know what's below.
Call before you dig.

SHEET C10

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OLD REDFORD ARTS ALLEY

(16' R.O.W.)

JOB BENCHMARK #207
DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE ON W/SIDE OF GREYDALE ST AT BEGINNING OF ALLEY ELEV 635.05

JOB BENCHMARK #208
DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE NEAR MID POINT OF ALLEY, +/-15FT NE OF CB#1529 ELEV 636.39

JOB BENCHMARK #209
DESCRIPTION: SET COTTON SPINDLE ON E/FACE OF U/POLE ON W SIDE OF LASHER RD AT ALLEY INTERSECTION ELEV 636.05

TRAVERSE POINT #107
N 33590.45 E 13423160.35 ELEV 633.88

TRAVERSE POINT #108
N 336070.76 E 13422989.20 ELEV 635.32

TRAVERSE POINT #109
N 336158.16 E 13422830.89 ELEV 635.89

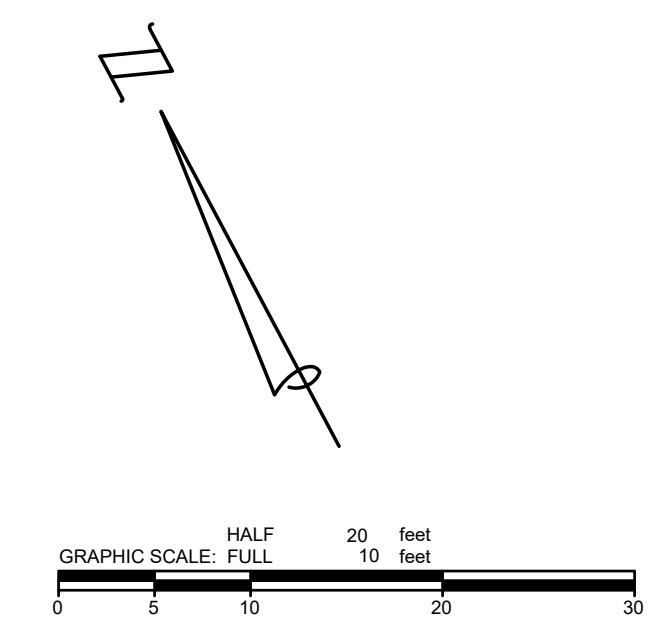
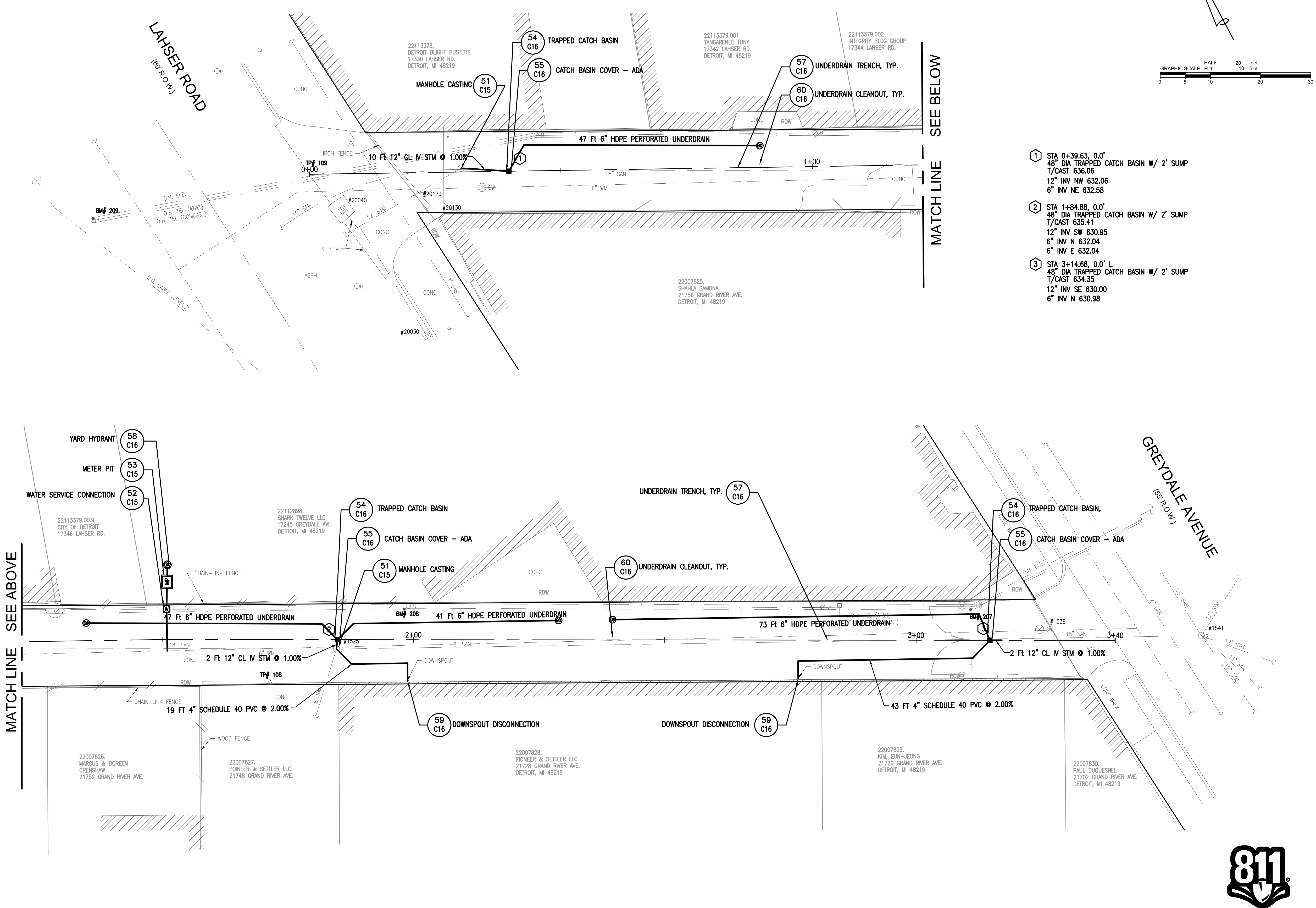
LEGEND

EXISTING

---	ELECTRICAL *
---	6" (COMPANY) GAS
---	(COMPANY) CABLE/TEL
---	FIBER OPTIC
---	12" WW
---	12" SAN
---	12" STM
---	ROW
---	SECTION
---	FENCE

PROPOSED

●	STORM MANHOLE
■	INLET/CATCH BASIN
W	WATER SERVICE CONNECTION
●	SANITARY MANHOLE
Y	YARD HYDRANT
⊙	CLEAN OUT



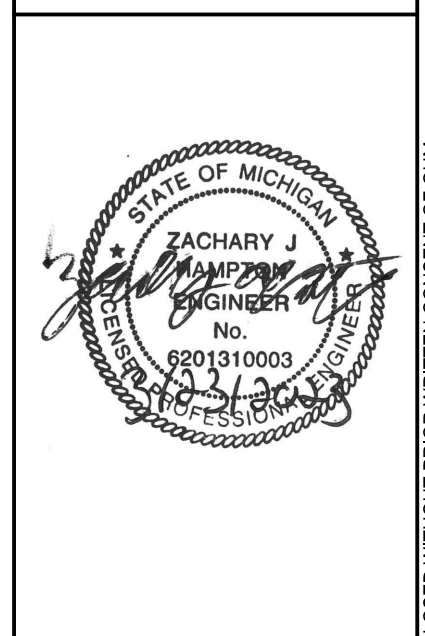
- ① STA 0+39.63, 0.0' 48" DIA TRAPPED CATCH BASIN W/ 2' SUMP T/CAST 636.06 12" INV NW 632.06 6" INV NE 632.58
- ② STA 1+84.88, 0.0' 48" DIA TRAPPED CATCH BASIN W/ 2' SUMP T/CAST 635.41 12" INV SW 630.95 6" INV N 632.04 6" INV E 632.04
- ③ STA 3+14.68, 0.0' L 48" DIA TRAPPED CATCH BASIN W/ 2' SUMP T/CAST 634.35 12" INV SE 630.00 6" INV N 630.98

DRAWING PATH: P:\7501_7600\762222010_Arts Alleys\Drawings\Civil\Plans_Cons\220101\UTL_RED.Fwg Sep 18, 2023 - 5:05pm

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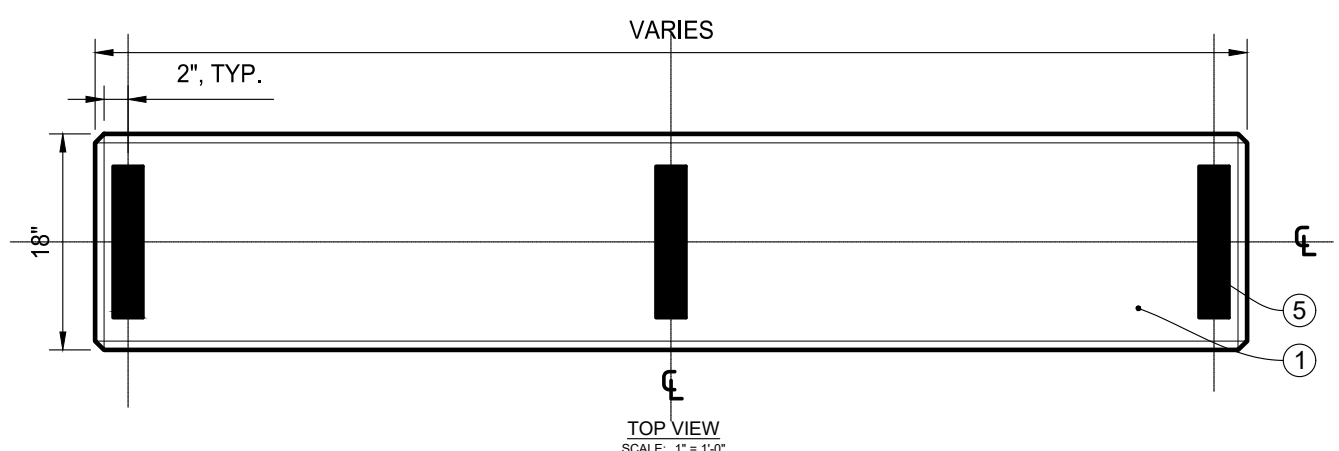
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7/22/2020	7522-00-010	Z/JH	GCR	JS	WAYNE	DETROIT

CITY OF DETROIT
ART ALLEYS - PHASE 1
UTILITY PLAN

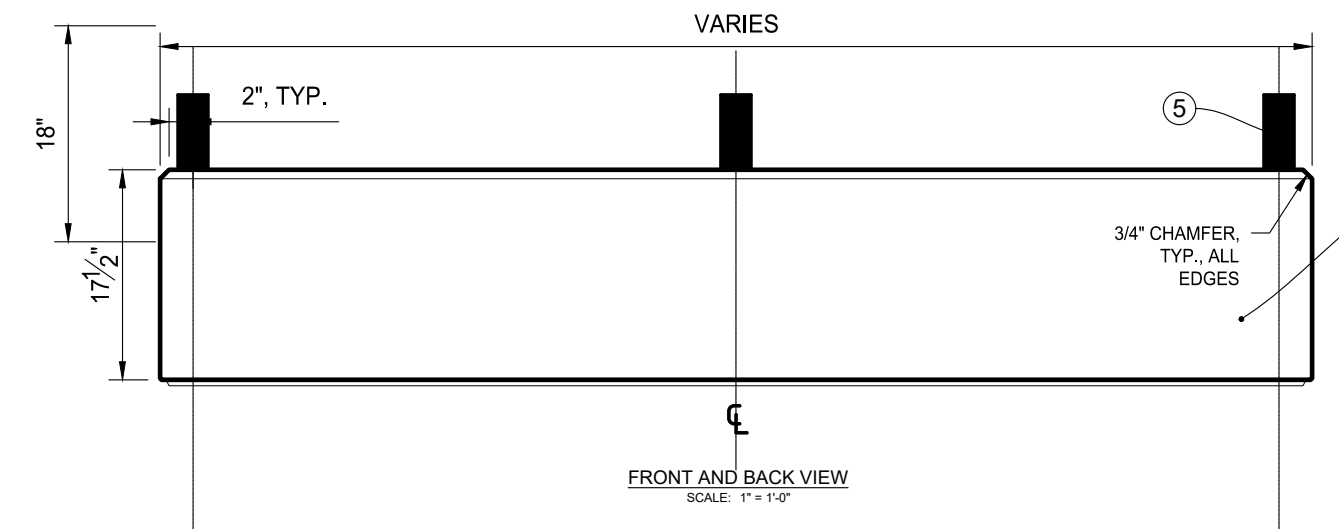


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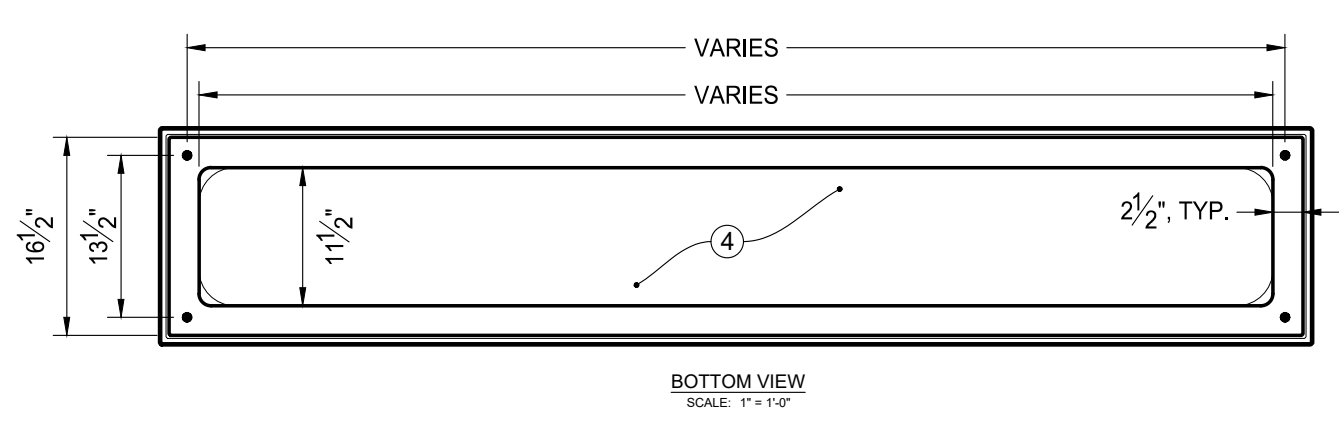
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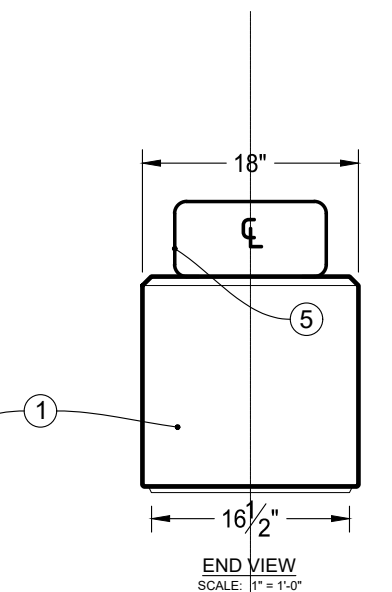
TOP VIEW
SCALE: 1" = 1'-0"



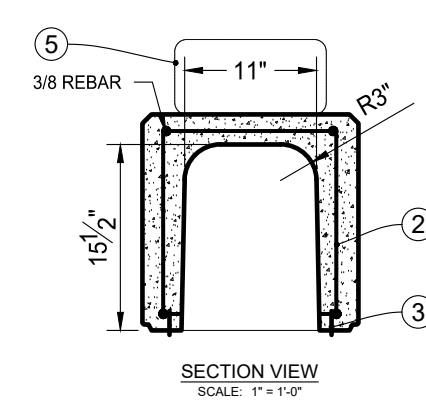
FRONT AND BACK VIEW
SCALE: 1" = 1'-0"



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



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



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

PRODUCT MODEL CHART

	PRODUCT NO.	LENGTH	WIDTH	HEIGHT	WEIGHT	ARM RESTS
BENCH A	TF-5076	96"	18"	18"	1,300 LBS	1 EACH END 1 CENTER
BENCH B	TF-5113	72"	18"	18"	950 LBS	1 EACH END 1 CENTER
BENCH C	TF-5117	48"	18"	18"	630 LBS	1 EACH END

- ① PREFABRICATED RECTANGULAR, PRE-CAST CONCRETE BENCH, ACID WASH FINISH
- ② STEEL REINFORCEMENT
- ③ 1/2" THREADED INSERT, (4) INCLUDED
- ④ HOLLOW INTERIOR/CORE
- ⑤ STEEL ARM REST, 12 5/8" L X 2 1/2" W X 6 1/4" H, TYP.

NOTES:
 1. PRODUCT IS SHIPPED FULLY ASSEMBLED. WEIGHT VARIES, SEE MODEL CHART FOR INFORMATION.
 2. BENCH SHALL BE SURFACE MOUNTED.
 3. ARM REST SHALL BE ATTACHED PER MANUFACTURER'S INSTRUCTIONS WITH RECOMMENDED HARDWARE, PLACEMENT AS SHOWN IN DETAILS. 48" L BENCH DOES NOT RECEIVE CENTER ARM REST.
 4. BENCH SIZE, COLOR, AND DIMENSIONS VARY. SEE CONSTRUCTION PLANS FOR SPECIFIC SIZING, COLOR, AND QUANTITIES.
 5. CONTRACTOR SHALL SUBMIT MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR BENCHES AND ARM REST FOR REVIEW AND APPROVAL PRIOR TO PURCHASE

PRODUCT INFORMATION - STEEL ARM REST:
 MANUFACTURER: WAUSAU TILE SITE FURNISHINGS
 MODEL: ZB.AC.05
 COLOR: SILVER
 INSTALLATION: SURFACE MOUNT W/ SPECIFIED HARDWARE

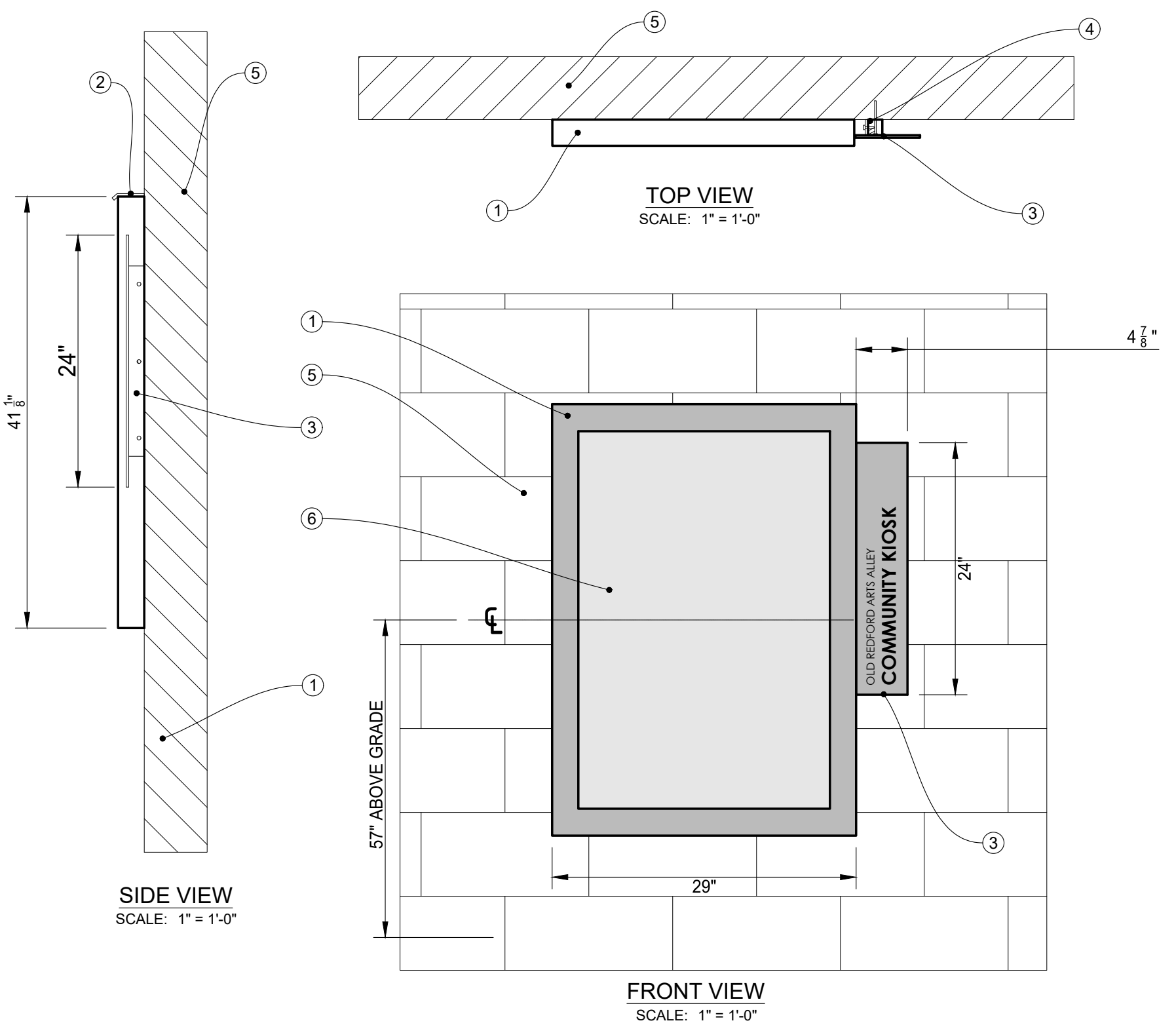
PRODUCT INFORMATION - BENCHES:
 MANUFACTURER: WAUSAU TILE SITE FURNISHINGS
 MODEL: TF5076, TF5113, TF5117 - RECTANGULAR CONCRETE BENCH (SEE MODEL CHART FOR DETAILS)
 COLOR: TBD AT TIME OF ORDER
 FINISH: ACID WASH
 INSTALLATION: SURFACE MOUNT
 SIZE: SEE MODEL CHART FOR SPECIFIC SIZE
 WEIGHT: SEE MODEL CHART FOR SPECIFIC WEIGHT
 TEL: 800 388-8728
 WWW.WAUSAUTILE.COM

NOTES:

1. CONTRACTOR SHALL SURFACE MOUNT DISPLAY CASE TO EXTERIOR BUILDING WALL PER MANUFACTURER'S SPECIFICATIONS AND WITH MOUNTING HARDWARE PROVIDED BY MANUFACTURER.
2. DISPLAY CASE SURFACE MOUNTING LOCATION SHALL BE AS INDICATED ON PLANS, OR AS DIRECTED BY OWNER'S REPRESENTATIVE. MID-POINT (VERTICALLY) OF DISPLAY CASE SHALL BE 57" ABOVE GRADE.
3. ALLEY KIOSK SIGN WALL MOUNTED ADJACENT TO DISPLAY CASE IS NOT INCLUDED IN PURCHASE OF SCBB-WPLUS-2436 DISPLAY CASE. SEE ALLEY KIOSK SIGN DETAIL FOR MORE INFORMATION.
4. CONTRACTOR SHALL SUBMIT DISPLAY CASE MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR REVIEW AND APPROVAL PRIOR TO PURCHASE
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALLEY KIOSK SIGN AND WALL MOUNTING (ADJACENT TO DISPLAY CASE) FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION
6. CONTRACTOR RESPONSIBLE FOR CONFIRMING PERMISSION FROM PRIVATE PROPERTY OWNER PRIOR TO FINAL INSTALLATION

PRODUCT INFORMATION:
 MANUFACTURER: DISPLAYS 4 SALE
 MODEL: SCBB-WPLUS-2436, EXTREME WEATHER PLUS OUTDOOR ENCLOSED BULLETIN BOARD, SINGLE LOCKING DOOR SWING CASE
 ORIENTATION: PORTRAIT
 COLOR: METAL FRAME: SATIN BLACK
 COLOR, BULLETIN BOARD: TANGERINE FORBO BOARD
 DOOR WINDOW: BREAK RESISTANT ACRYLIC, 3/8" THICK
 INSTALLATION: WALL MOUNTED
 TEL: 800-289-1539
 WWW.DISPLAYS4SALE.COM

- ① WALL MOUNTED DISPLAY CASE, MODEL SCBB-WPLUS-2436
- ② DRIP EDGE
- ③ ALLEY KIOSK SIGN, WALL MOUNTED ADJACENT TO DISPLAY CASE. SEE ALLEY KIOSK SIGN DETAIL FOR MORE INFORMATION
- ④ WOOD BLOCKING AND MASONRY ANCHORS BEHIND COMMUNITY KIOSK SIGN
- ⑤ MASONRY WALL
- ⑥ BREAK RESISTANT ACRYLIC WINDOW



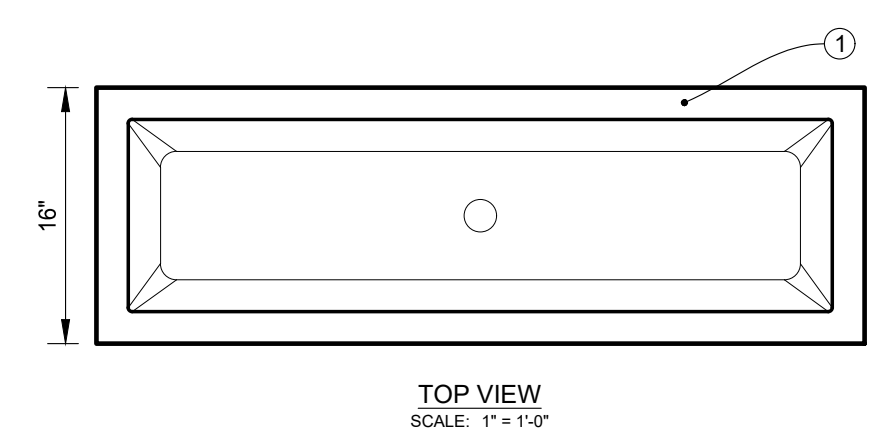
RECTANGULAR CONCRETE BENCH
NOT TO SCALE

COMMUNITY KIOSK BILLBOARD WALL MOUNT
NOT TO SCALE

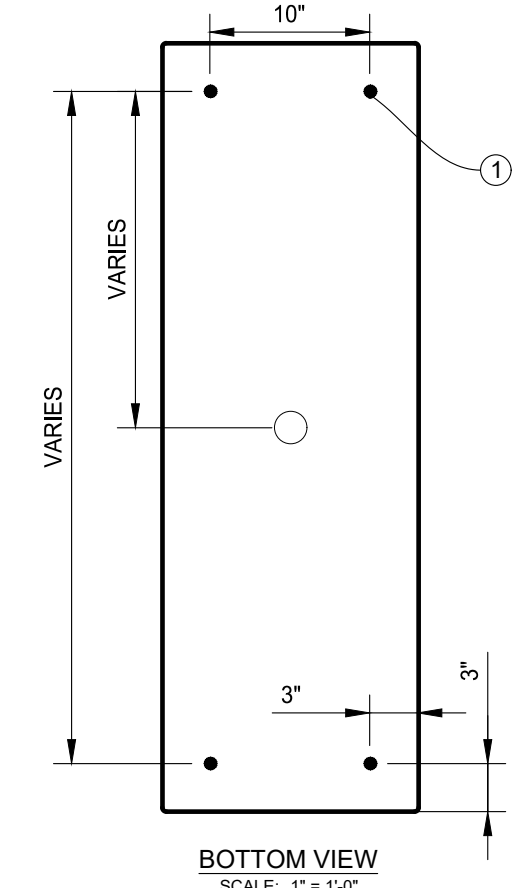
02

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"

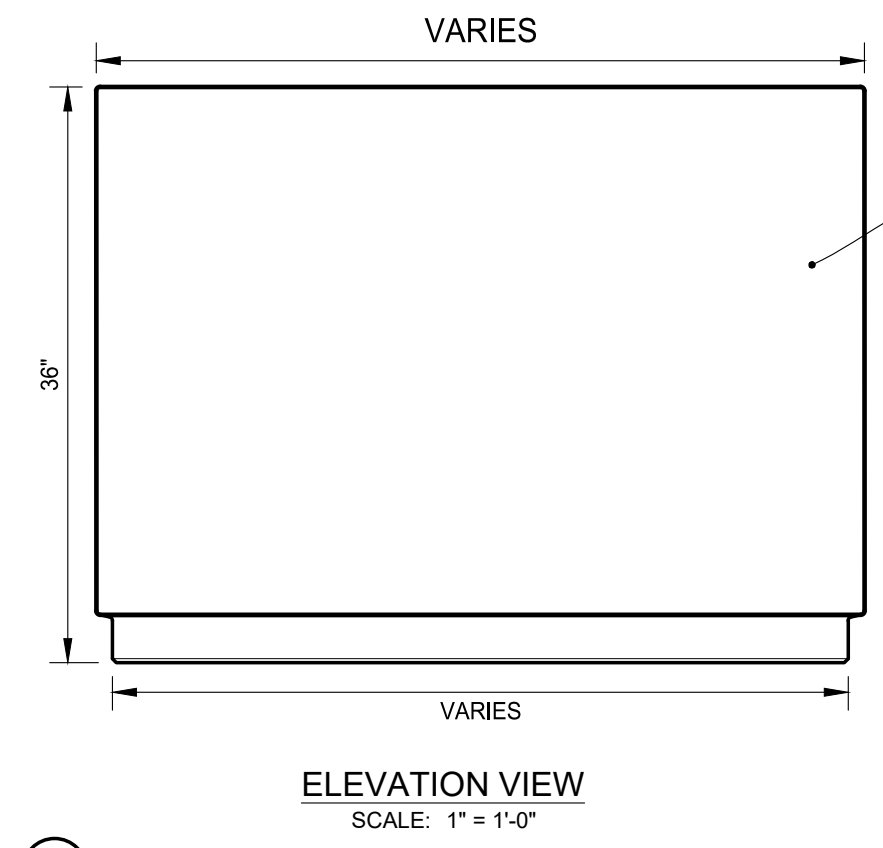


BOTTOM VIEW
SCALE: 1" = 1'-0"

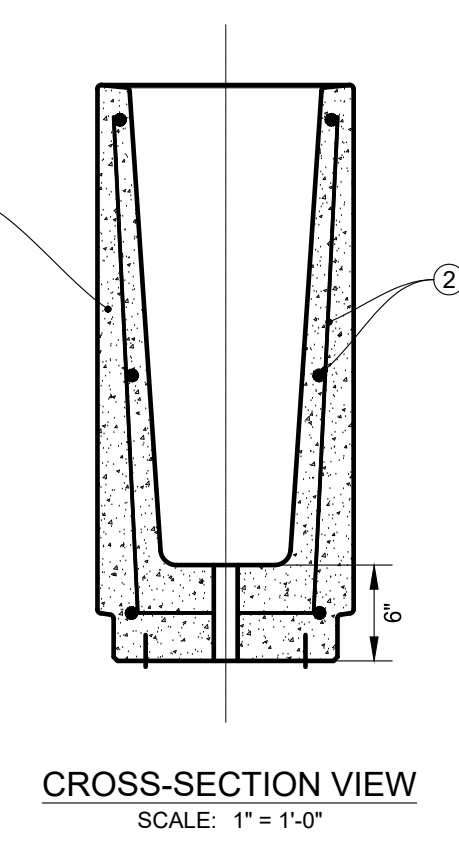
PRODUCT INFORMATION:
 MANUFACTURER: WAUSAU TILE SITE FURNISHINGS
 MODEL: TF4355, TF4356, TF4357 - RECTANGULAR CONCRETE PLANTER (SEE MODEL CHART FOR DETAILS)
 COLOR: TBD AT TIME OF ORDER
 FINISH: ACID WASH
 INSTALLATION: SURFACE MOUNT
 SIZE: SEE MODEL CHART FOR SPECIFIC SIZE
 WEIGHT: SEE MODEL CHART FOR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



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



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

RECTANGULAR CONCRETE PLANTER
NOT TO SCALE

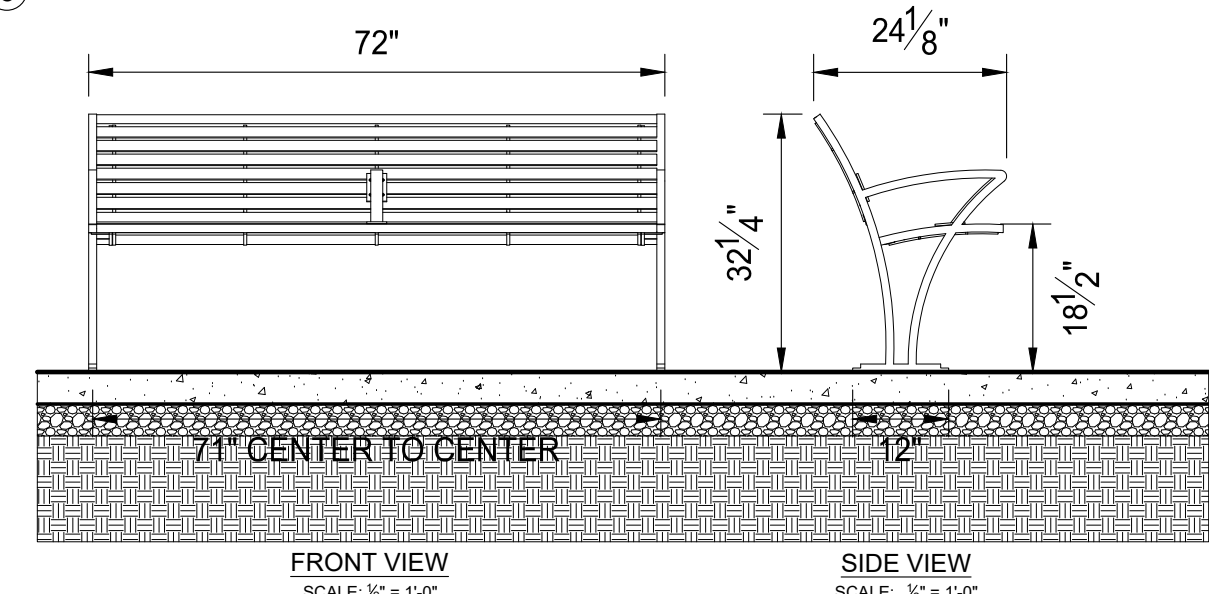
03

NOTES:

1. PRODUCT SHIPPED PARTIALLY UNASSEMBLED
2. BENCH SHALL BE SURFACE MOUNTED WITH 3/8" STAINLESS STEEL CONCRETE ANCHORING HARDWARE PER MANUFACTURER RECOMMENDATIONS. ANCHORING HARDWARE NOT SUPPLIED BY MANUFACTURER
3. CONTRACTOR SHALL SUBMIT MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR REVIEW AND APPROVAL PRIOR TO PURCHASE

PRODUCT INFORMATION:
 MANUFACTURER: VICTOR STANLEY
 MODEL: FRE-20-F (FREESIA BENCH), WITH END ARMS AND BOLT-ON CENTER ARM REST
 SIZE: 6-FOOT LENGTH
 COLOR: STANDARD RAL COLOR TBD BY OWNER AT TIME OF ORDERING
 FINISH: T.G.I.C. POLYESTER POWDERCOAT
 INSTALLATION: SURFACE MOUNT ON CONCRETE
 TEL: 1 800 368 2573
 WWW.VICTORSTANLEY.COM

- ① STEEL BENCH, POWDERCOAT FINISH
- ② CONCRETE SLAB (FINISHED GRADE), SEE SIDEWALK DETAIL
- ③ 1" SQUARE SOLID STEEL LEGS
- ④ 1/2" X 1-1/2" SOLID STEEL SLATS
- ⑤ CLEARANCE FOR 3/8" ANCHOR BOLTS
- ⑥ BOLT-ON CENTER ARM REST

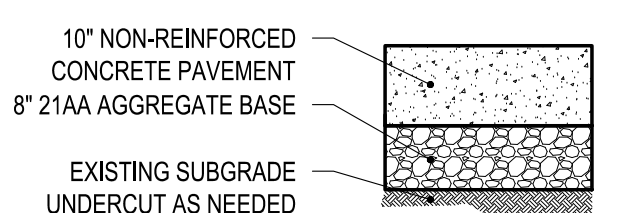


FRONT VIEW
SCALE: 1/2" = 1'-0"

SIDE VIEW
SCALE: 1/2" = 1'-0"

DECORATIVE BENCH 72 IN STEEL
NOT TO SCALE

04



HEAVY-DUTY CONCRETE ALLEY PAVEMENT CROSS SECTION
NOT TO SCALE

05

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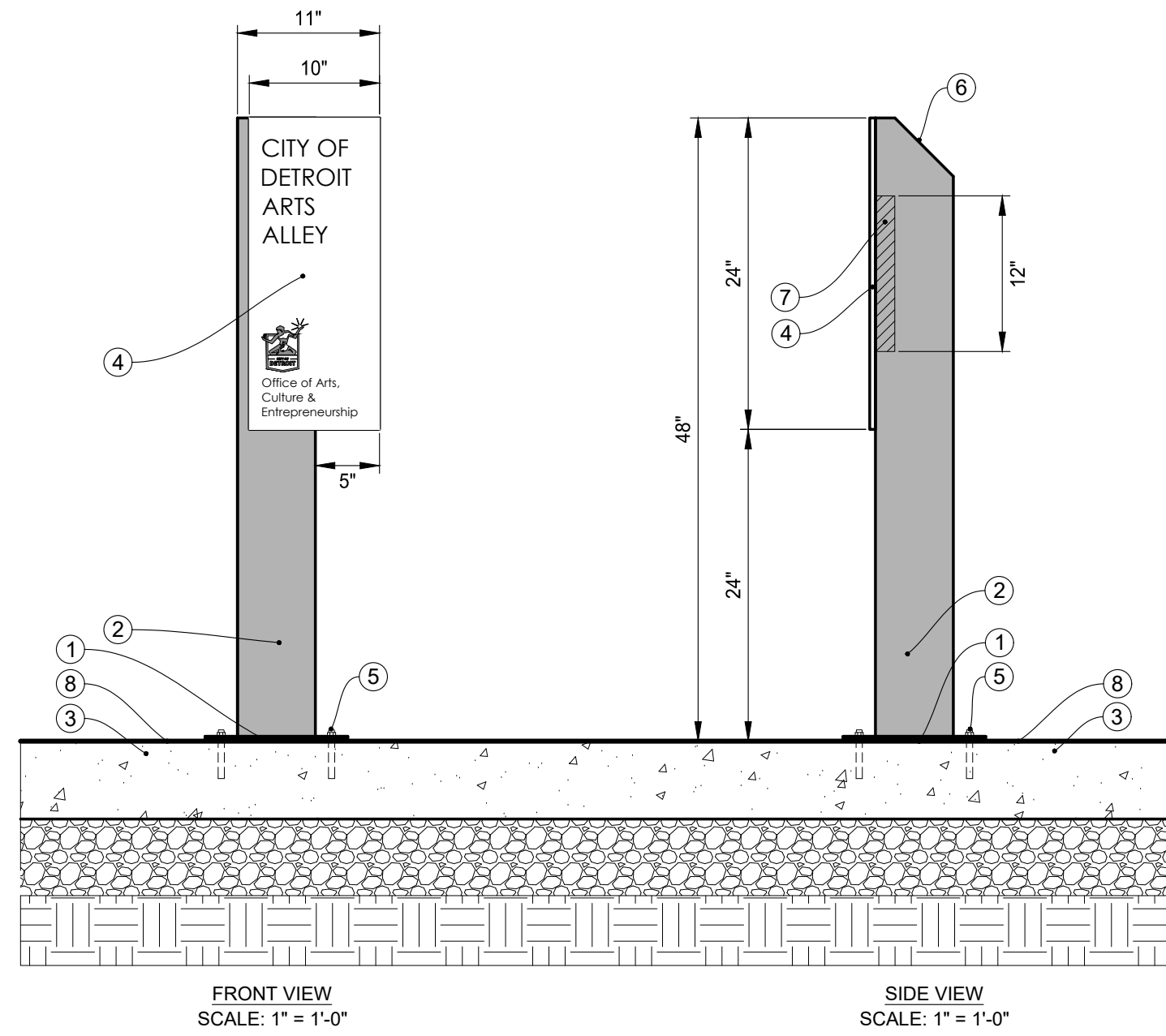
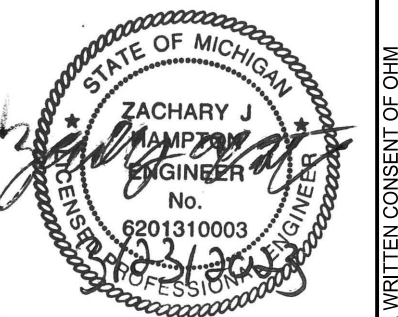
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	PROJ NAME	CR	CCR	
	CARD	IS		
	COUNTY	WAYNE		
	MUNICIPALITY	DETROIT		

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

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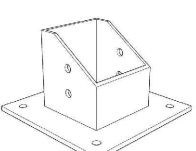
FRONT VIEW
SCALE: 1" = 1'-0"

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

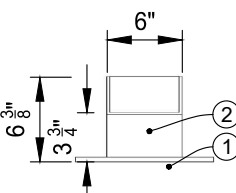
- NOTES:
- SIGNAGE PLACEMENT SHALL BE AS SHOWN IN SITE PLANS.
 - STEEL BASE-PLATE AND TUBING SHALL BE 3/8" THICK (000 GAUGE)
 - STEEL PIECE MATCHING THE SAME SHAPE AND GAUGE AT THE TOP OF THE SQUARE TUBING BOLLARD SHALL BE WELDED IN PLACE. WELDED SEAM SHALL BE GROUND TO A SMOOTH FINISH.
 - SQUARE STEEL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

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

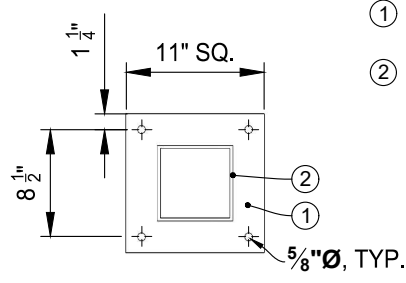
ARTS ALLEY STANDARD SIGN STEEL POST SURFACE MOUNT
NOT TO SCALE



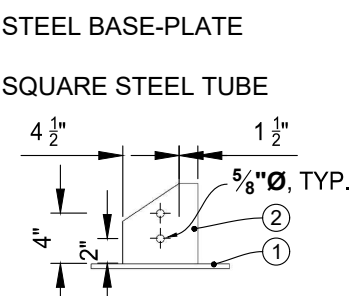
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SCALE: NO SCALE



FRONT ELEVATION VIEW
SCALE: NO SCALE



PLAN VIEW
SCALE: NO SCALE



SIDE ELEVATION VIEW
SCALE: NO SCALE

STEEL SURFACE MOUNT BOLLARD BASE DETAIL

SCALE: AS NOTED

- NOTES:
- STEEL BASE-PLATE SHALL BE 3/8" THICK (000 GAUGE), 11" X 11" SQUARE.
 - SQUARE STEEL TUBE SHALL BE 1/2" THICK (3 GAUGE), 6" X 6" SQUARE (O.D.) STEEL TUBE WITH AN INSIDE DIMENSION OF 5.500"
 - STEEL SQUARE TUBE SHALL BE WELDED TO STEEL BASE PLATE AND FINISHED WITH TGIC POWDERCOAT PER SPECIFICATIONS.
 - POWDERCOAT COLOR TO BE SPECIFIED BY OWNER.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION

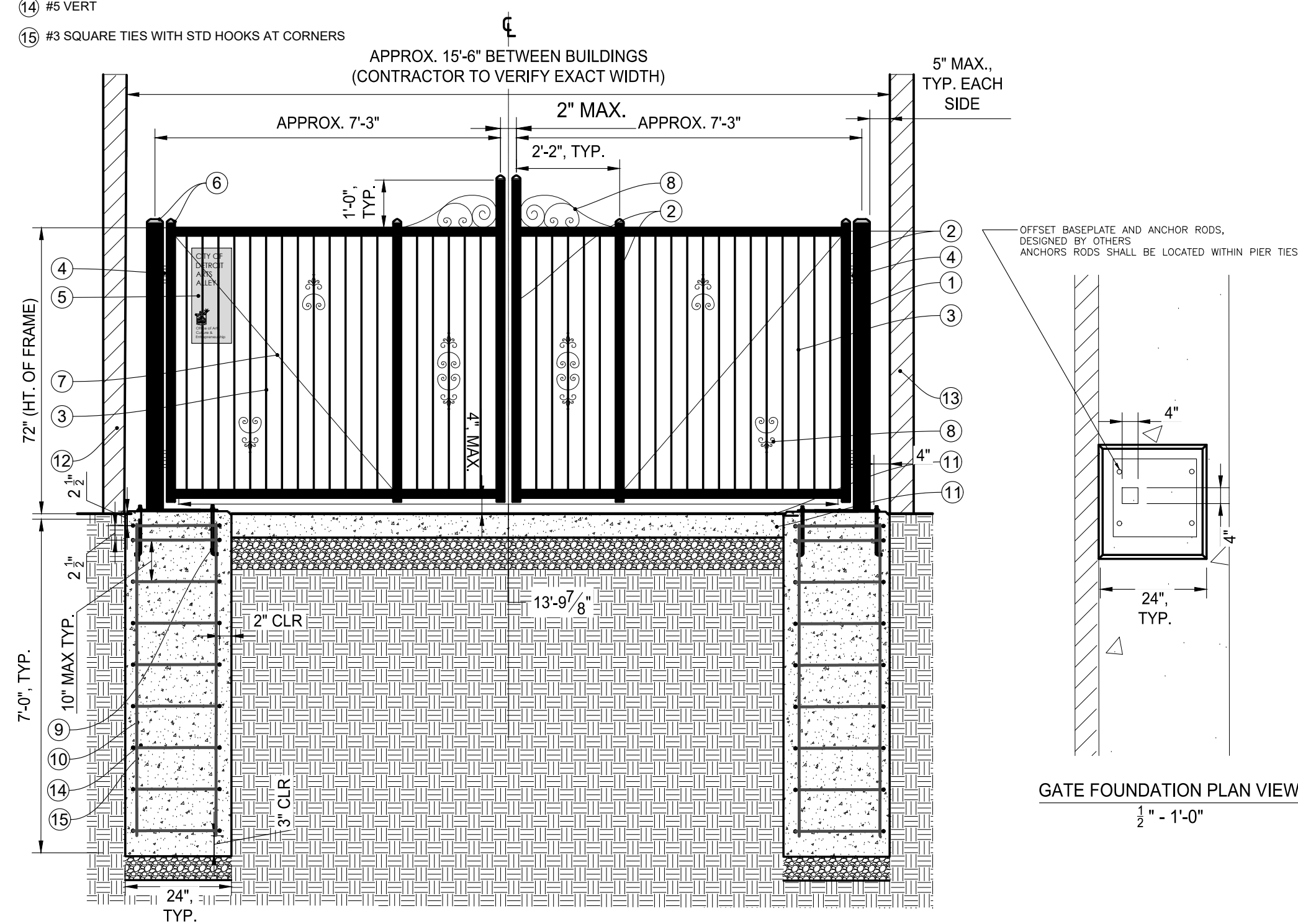
- STEEL BASE-PLATE
- SQUARE STEEL TUBE

STEEL SURFACE MOUNT BOLLARD BASE

NOT TO SCALE

- 4" SQUARE STEEL TUBE POST, TYP
- 2" SQUARE STEEL TUBING FRAMEWORK (HORIZONTAL AND UPRIGHT), WELDED AT ALL CONNECTION POINTS, TYP.
- 3/4" SOLID STEEL SQUARE PICKETS, SPACED 4" O.C. MAX. WELDED TO FRAME, TYP.
- STEEL HINGES WELDED TO POST AND FRAMEWORK, SIZED TO CARRY WEIGHT OF GATE, TYP. (4 TOTAL UNLESS NOTIFIED OTHERWISE)
- 6 GAUGE BLACKENED STEEL PANEL ARTS ALLEY SIGN - CITY OF DETROIT STANDARD SIGNAGE ART. WELD TO STEEL FRAME. SIGN TO BE PROVIDED BY OTHERS.
- DECORATIVE CAP TO MATCH EXISTING GATE, POSTS AND VERTICAL FRAMEWORK MEMBERS, TYP.
- TENSION ROD
- DECORATIVE STEEL SCROLL WORK
- STAINLESS-STEEL ANCHOR BOLTS, 1/2" X 12", TYP. EACH POST
- REINFORCED CONCRETE FOOTING, 1" CHAMFERED EDGE, TYP. EACH FOOTING. TOP OF FOOTING ELEVATIONS TO MATCH (ALL FOOTINGS)
- PROPOSED CONCRETE ALLEY PAVEMENT. SEE ENGINEERING PLANS FOR DETAILS
- FINISH GRADE
- EXISTING STRUCTURE, TYP.
- #5 VERT
- #3 SQUARE TIES WITH STD HOOKS AT CORNERS

- NOTES:
- PROPOSED DECORATIVE STEEL GATE SHALL MATCH EXISTING DECORATIVE STEEL GATE AT OPPOSITE END OF ALLEY FABRICATED AND INSTALLED BY DETROIT FENCE CO. (313-885-5339)
 - DETAIL DRAWING BELOW APPROXIMATELY REPRESENTS EXISTING GATE TO BE MATCHED, AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR RESPONSIBLE TO EXAMINE EXISTING FENCE TO VERIFY ALL DIMENSIONS, MATERIALS, AND CONSTRUCTION METHODS
 - FINAL ART ALLEY SIGN PLACEMENT SHALL BE IDENTIFIED BY OWNER AND WELDED TO FENCE FRAMEWORK. CONTRACTOR TO VERIFY PLACEMENT OF SIGN PRIOR TO FENCE FABRICATION.
 - ALL WELDED SEAMS SHALL BE GROUND TO A SMOOTH FINISH.
 - STEEL FRAME TUBING MEMBERS AND PICKETS SHALL BE WELDED AT CONNECTION POINTS
 - ALL DECORATIVE STEEL FENCE COMPONENTS SHALL BE POWDERCOATED. POWDERCOATING INFORMATION SHALL BE INCLUDED IN SHOP DRAWING SUBMITTAL.
 - CONTRACTOR SHALL PREPARE AND SUBMIT COMPLETE FABRICATION AND INSTALLATION SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
 - CONTRACTOR RESPONSIBLE TO FIELD MEASURE AND VERIFY ALL PROPOSED DIMENSIONS AND CONFIRM GRADES AT PROPOSED FENCE LOCATION PRIOR TO DEVELOPING SHOP DRAWINGS.
 - CONTRACTOR TO COORDINATE ANCHOR ROD PLACEMENT WITH CONCRETE BASE



GATE FOUNDATION PLAN VIEW
1/2" = 1'-0"

08

DECORATIVE STEEL GATE 72 IN HT
NOT TO SCALE

REVISIONS

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DETROIT

COUNTY
WAYNE

CARD
MS

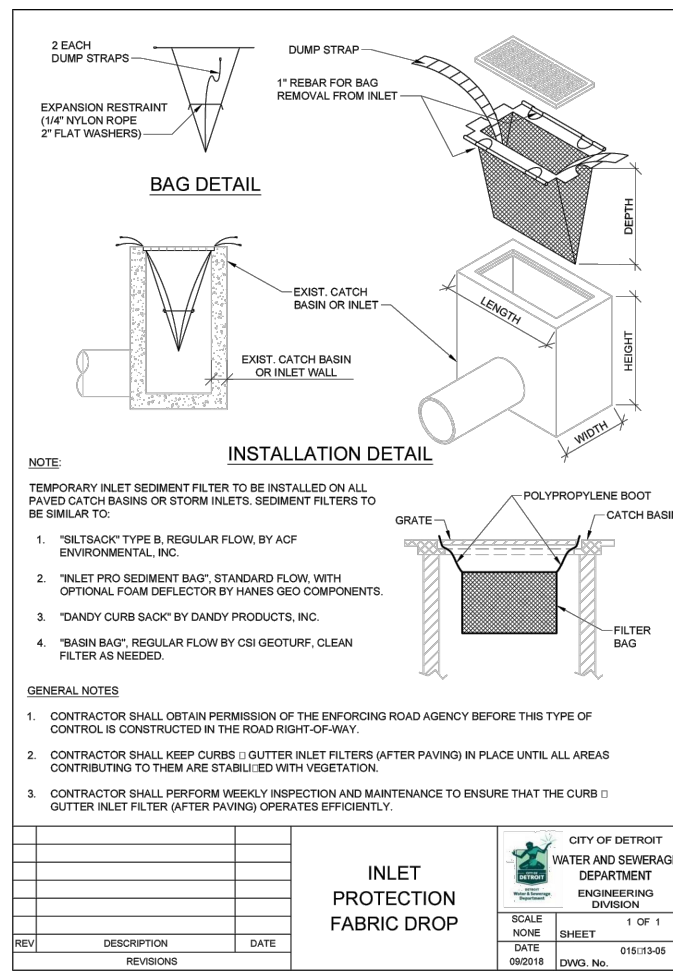
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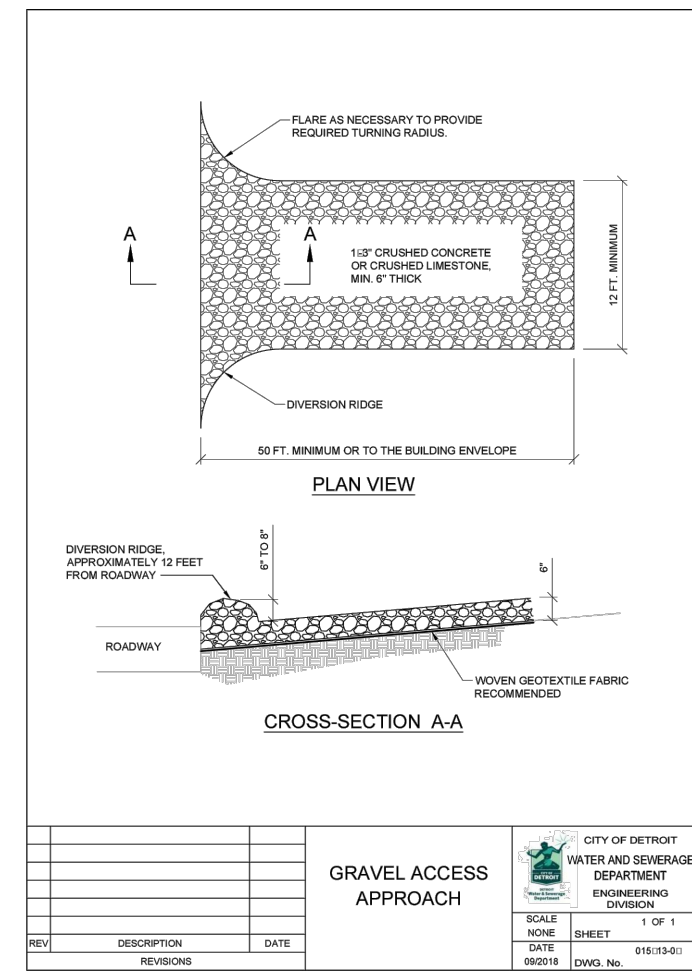
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C13

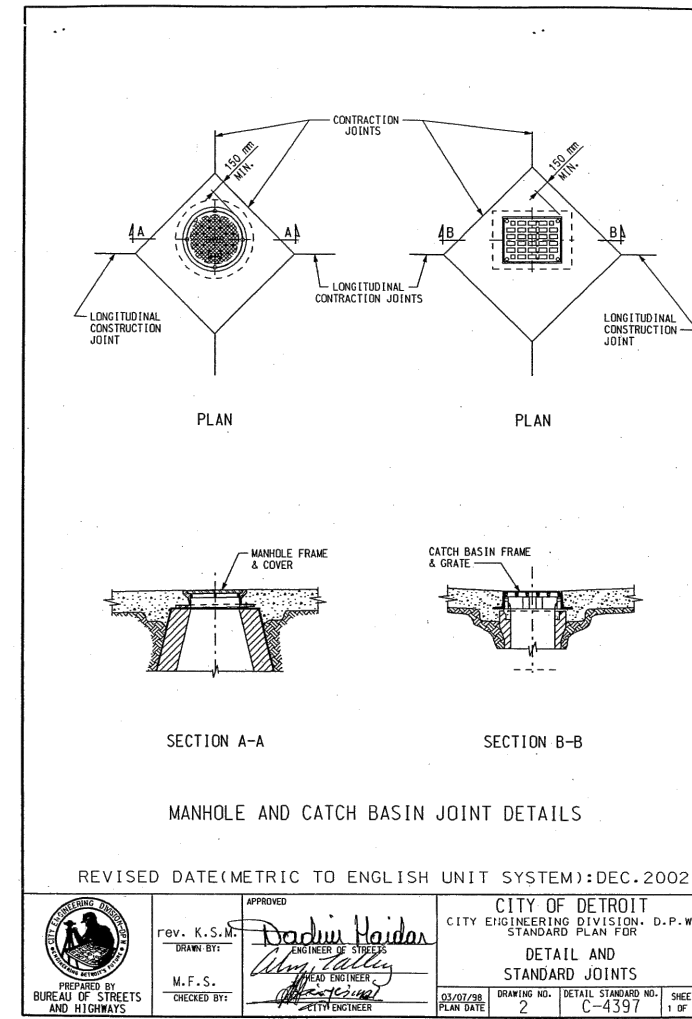
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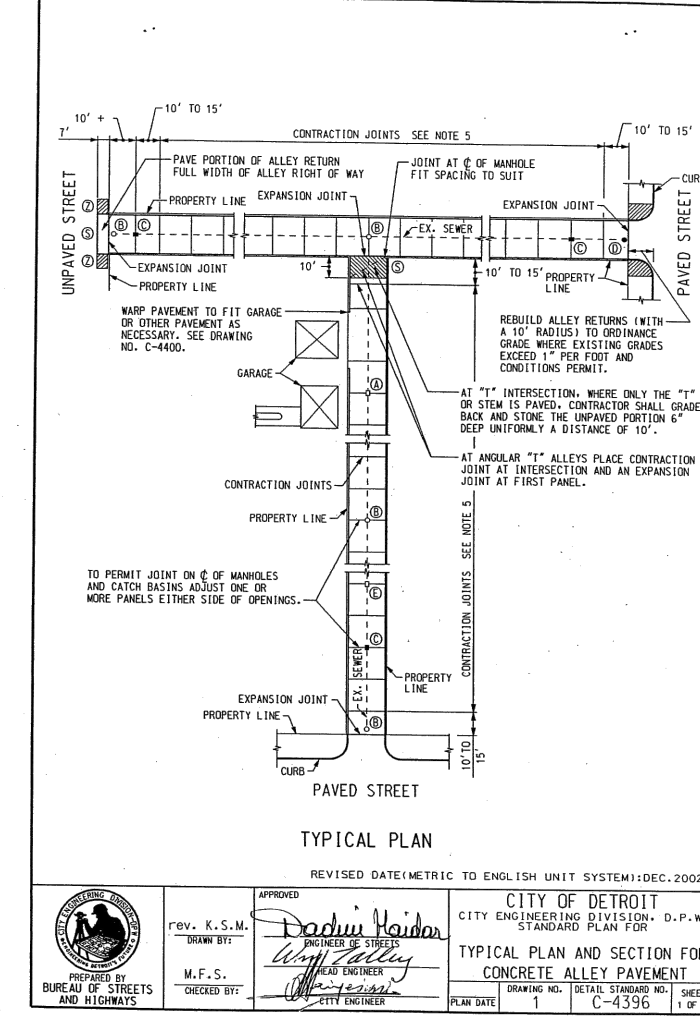
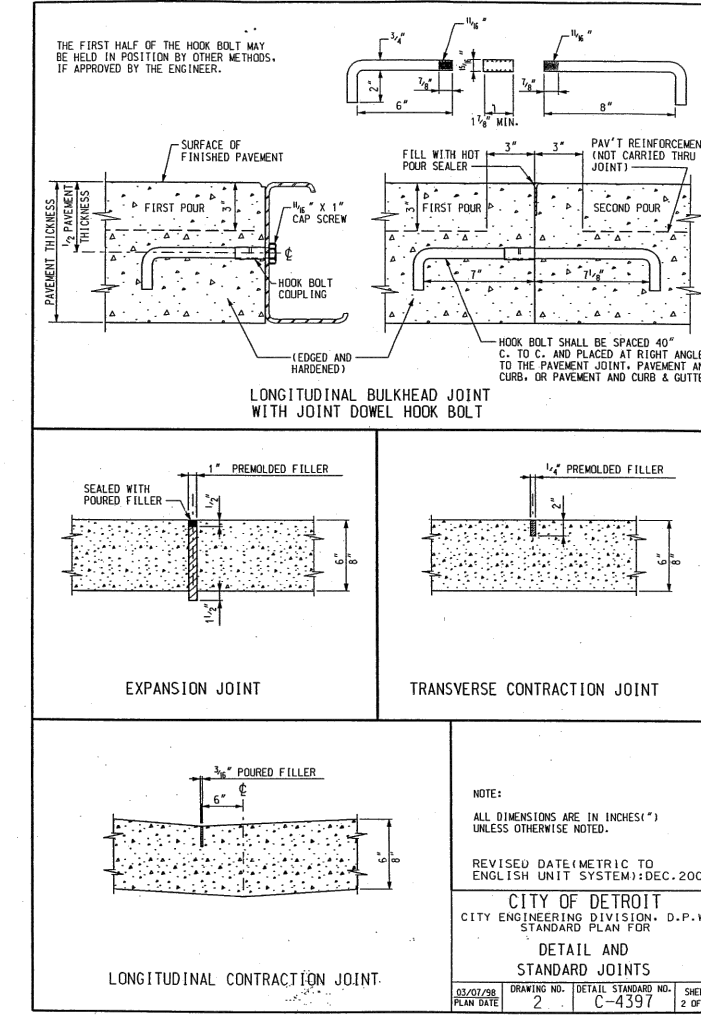
09 INLET FILTER NOT TO SCALE



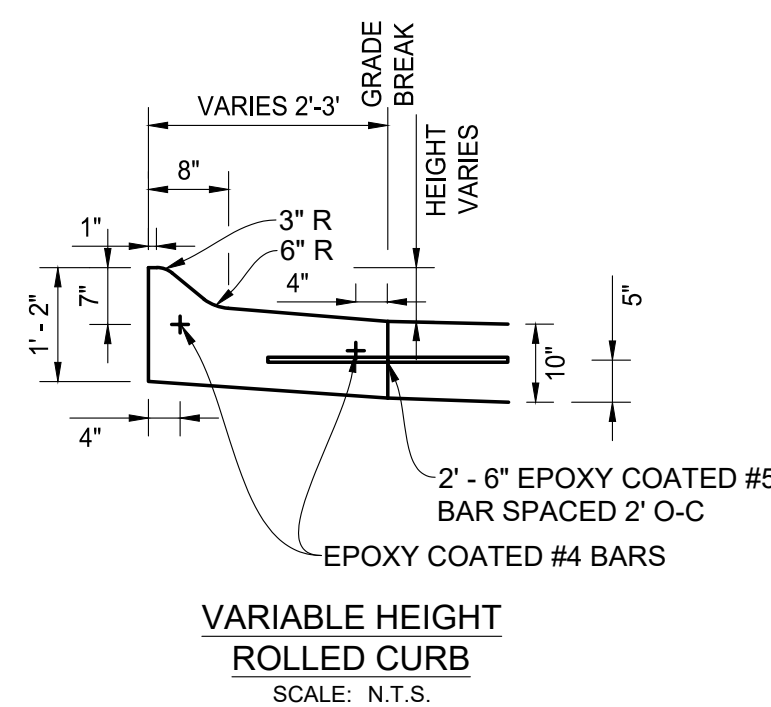
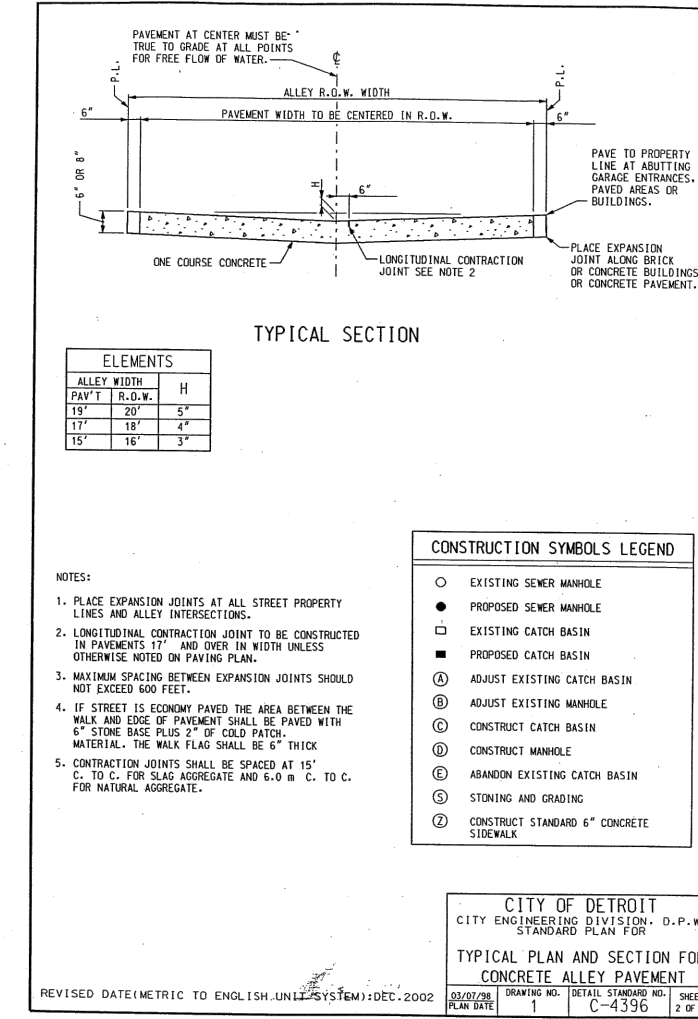
10 AGGREGATE TRACKING MAT NOT TO SCALE



11 DETAIL AND STANDARD JOINTS - CITY OF DETROIT NOT TO SCALE



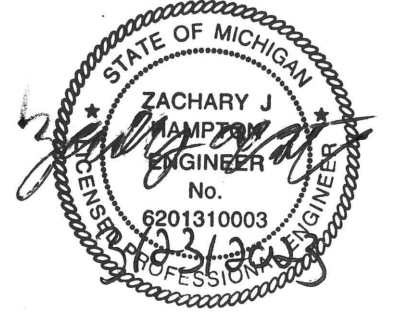
12 ALLEY PLAN AND SECTION - CITY OF DETROIT NOT TO SCALE



13 VARIABLE HEIGHT ROLLED CURB NOT TO SCALE



livingLAB

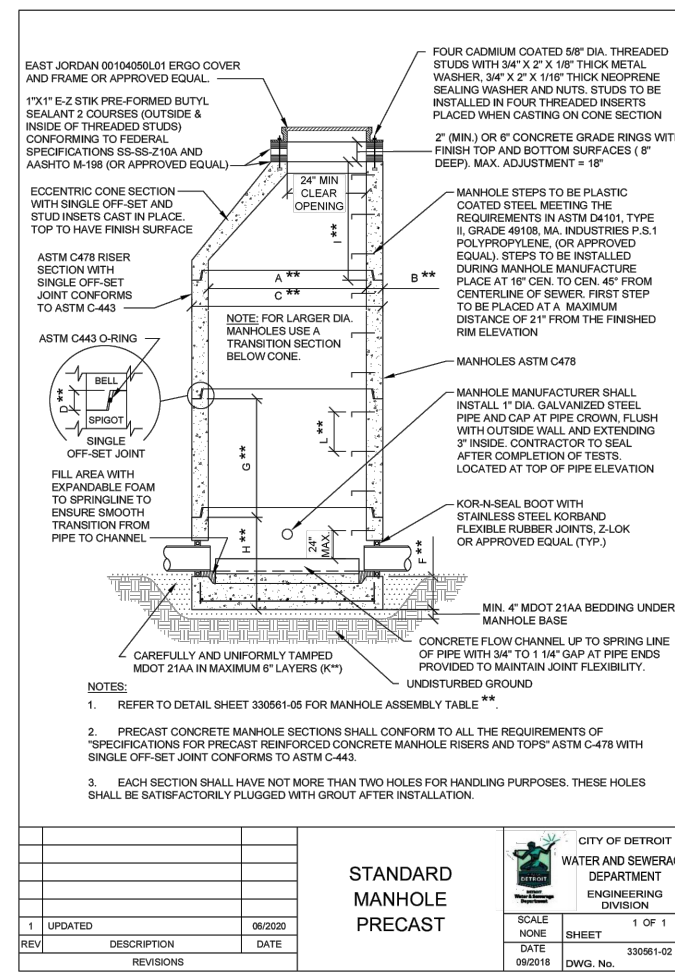


REVISIONS

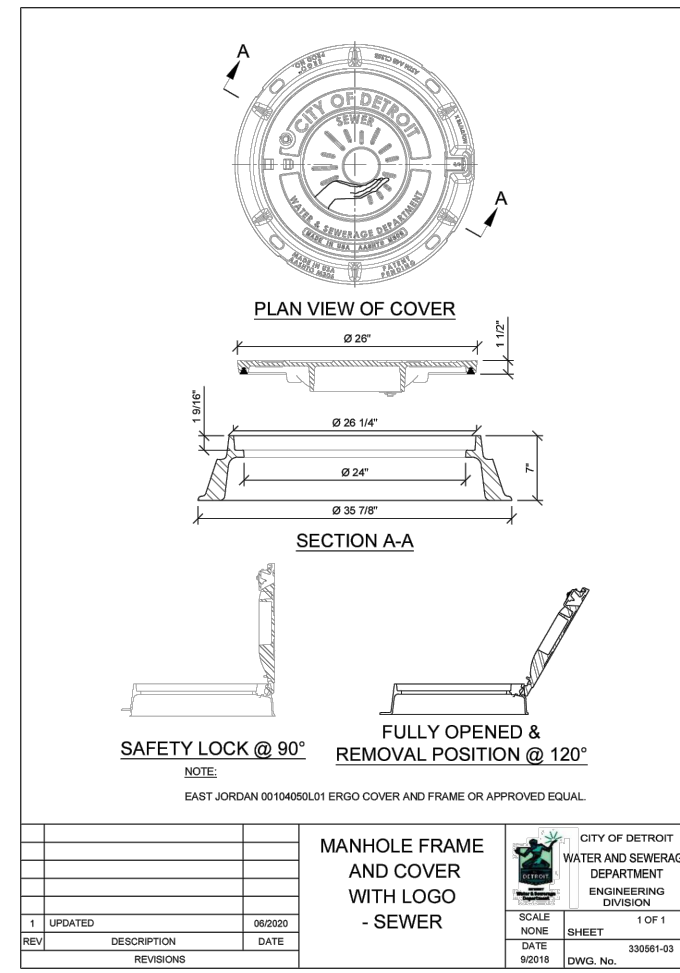
NO.	DESCRIPTION	DATE

MUNICIPALITY: DETROIT
COUNTY: WAYNE
CADD: AS
PROJECT: GCR
DATE: 12/22/2010
PROJECT NUMBER: 214

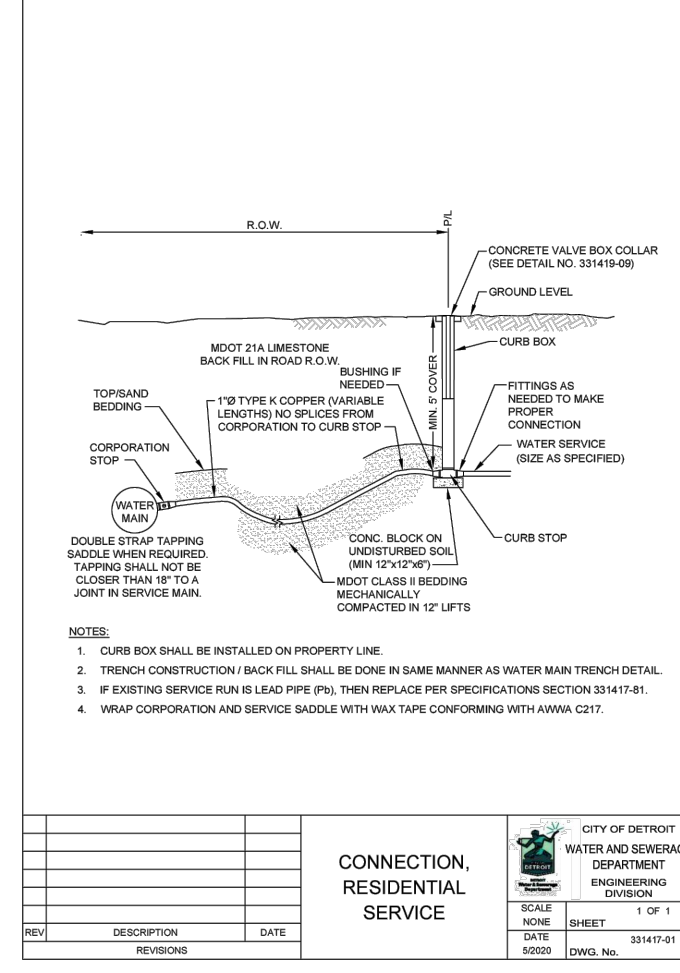
CITY OF DETROIT ART ALLEYS - PHASE 1 SITE/CIVIL DETAILS



50 MANHOLE PRECAST
NOT TO SCALE



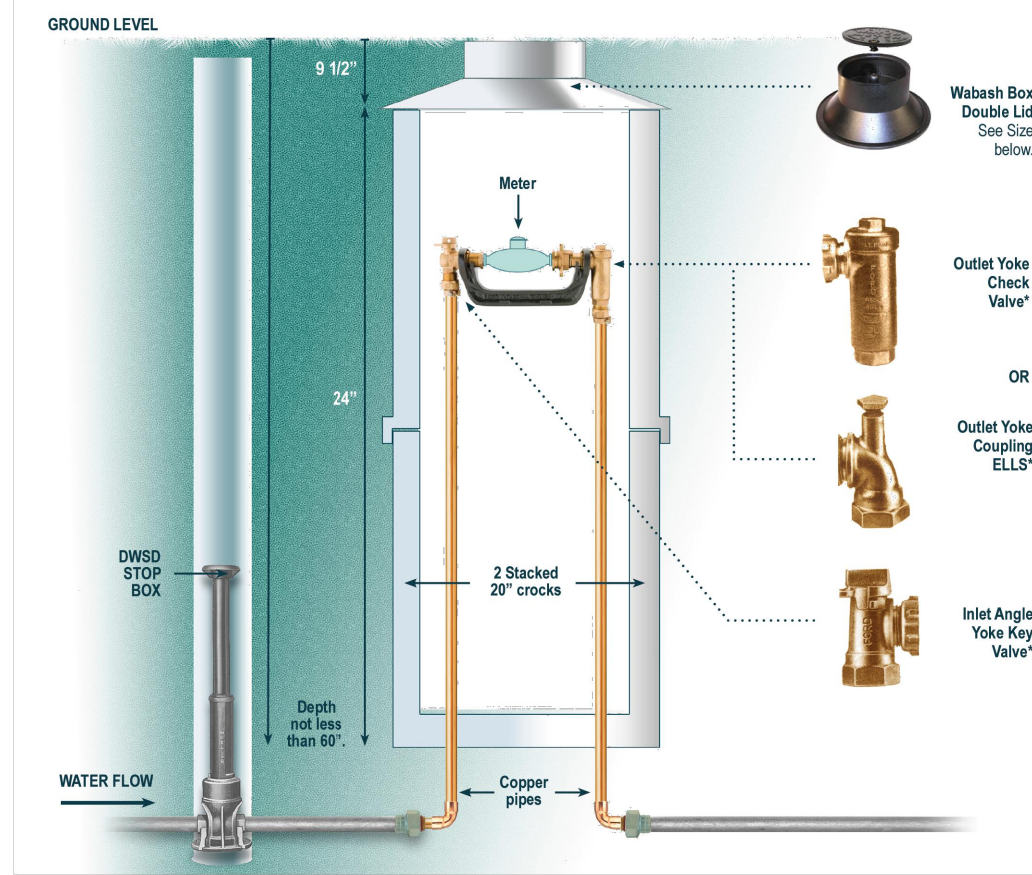
51 MANHOLE CASTING
NOT TO SCALE



52 WATER SERVICE CONNECTION
NOT TO SCALE

DOUBLE-CHECK VALVE BACK-FLOW PREVENTION DEVICE

Whenever a residence has a secondary water supply, a double-check valve or other back-flow prevention device meeting the approval of the Detroit Health Department will be required to be installed within 180 inches of the premises or where provisions are made for a Fire Department pumper supply to premises.



The depth of the service line shall be installed below the lowest frost line. The heat generated from the soil at the base of the meter pit will circulate warm air and keep the service from freezing during winter.

*National Pipe Thread (NPT)

Please contact our Customer Care Center for questions or to schedule an appointment at 313-267-8000.



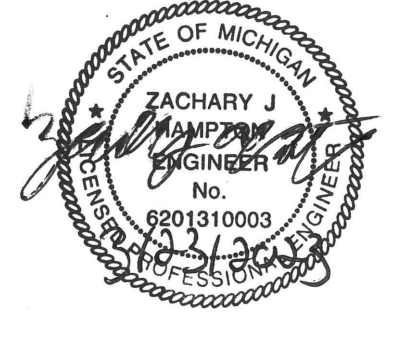
DETROIT METER PIT AND BACKFLOW PREVENTER DETAIL

NOT TO SCALE

53 METER PIT
NOT TO SCALE



livingLAB



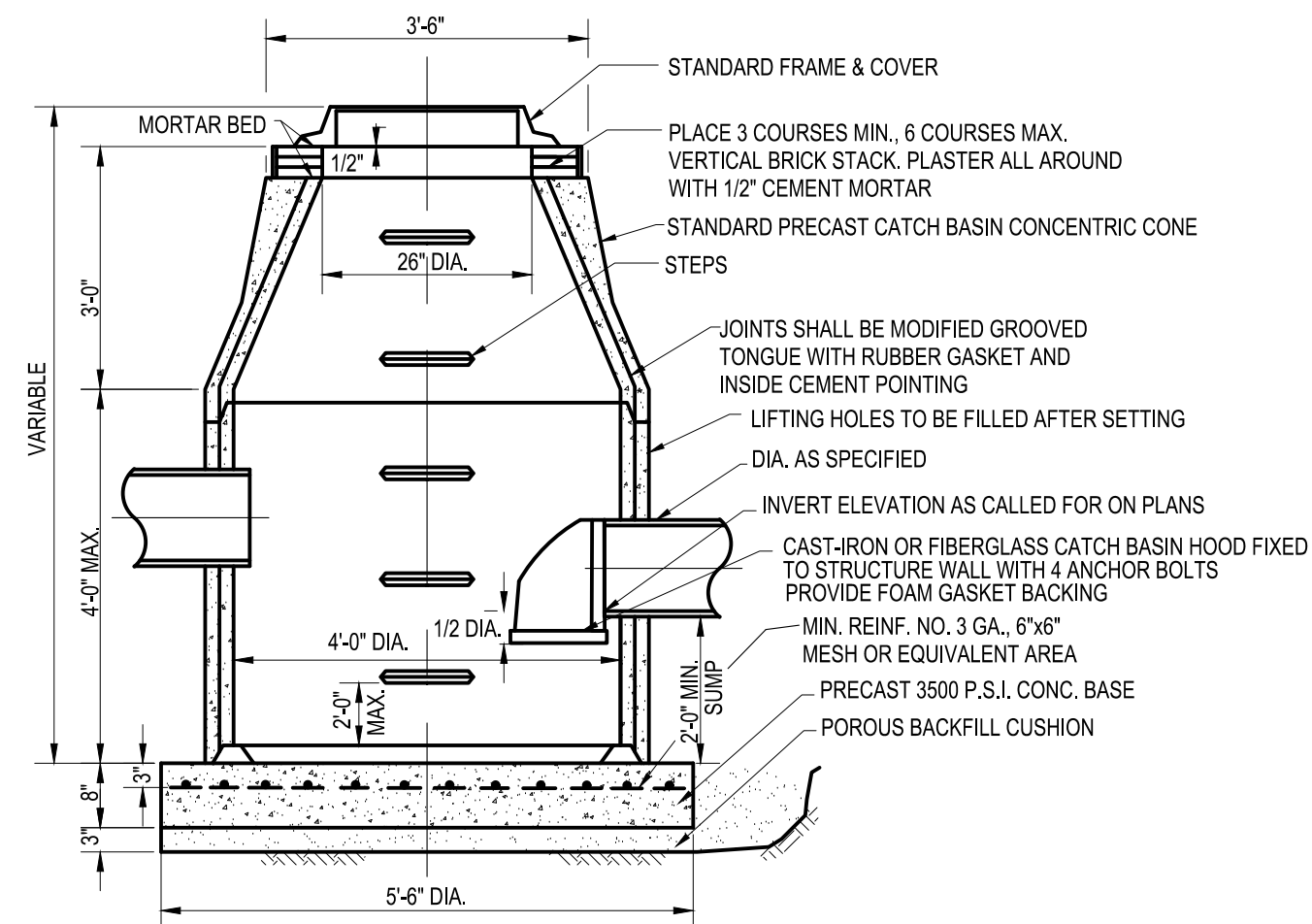
REVISIONS

NO.	DESCRIPTION	DATE

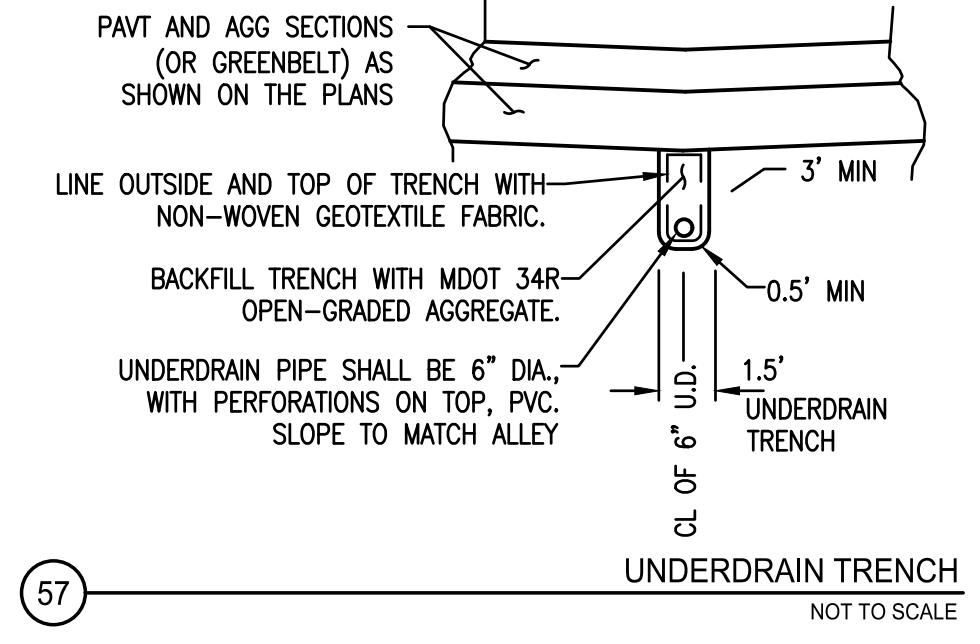
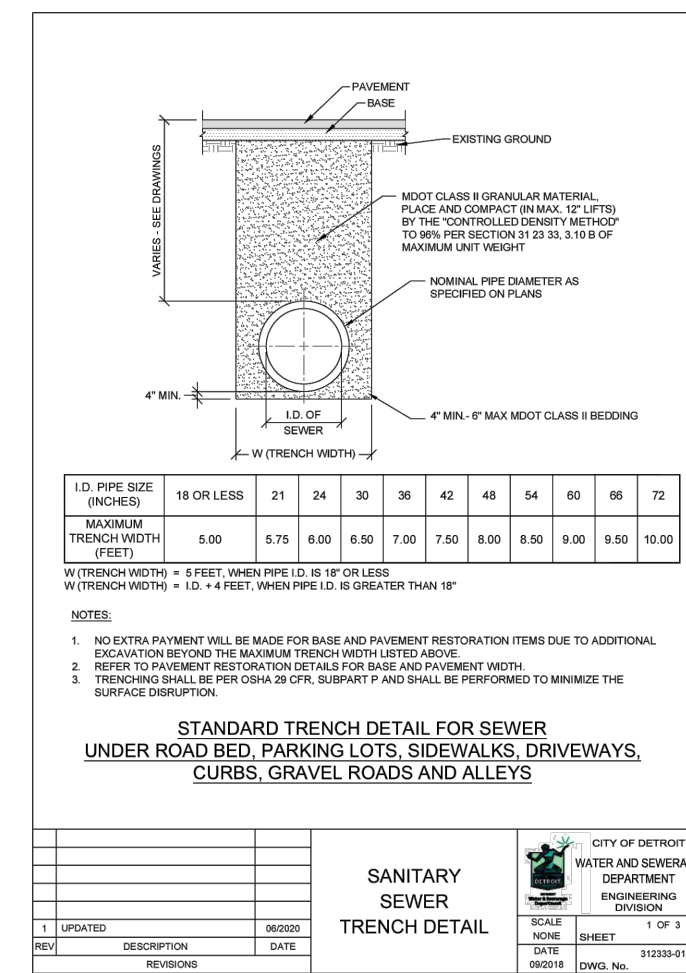
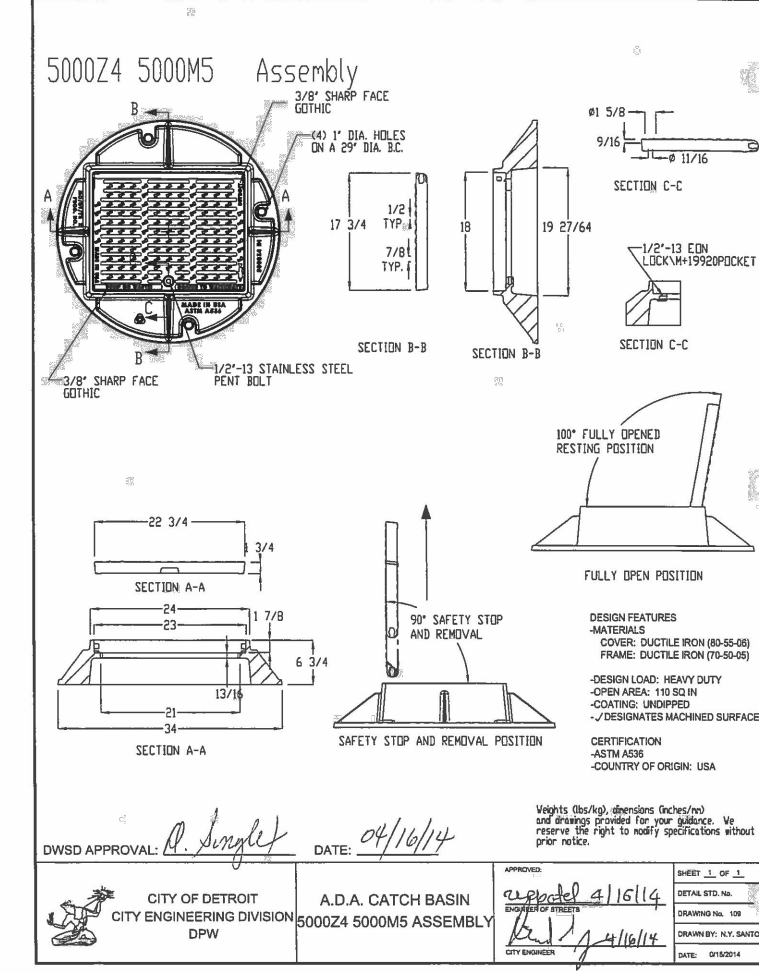
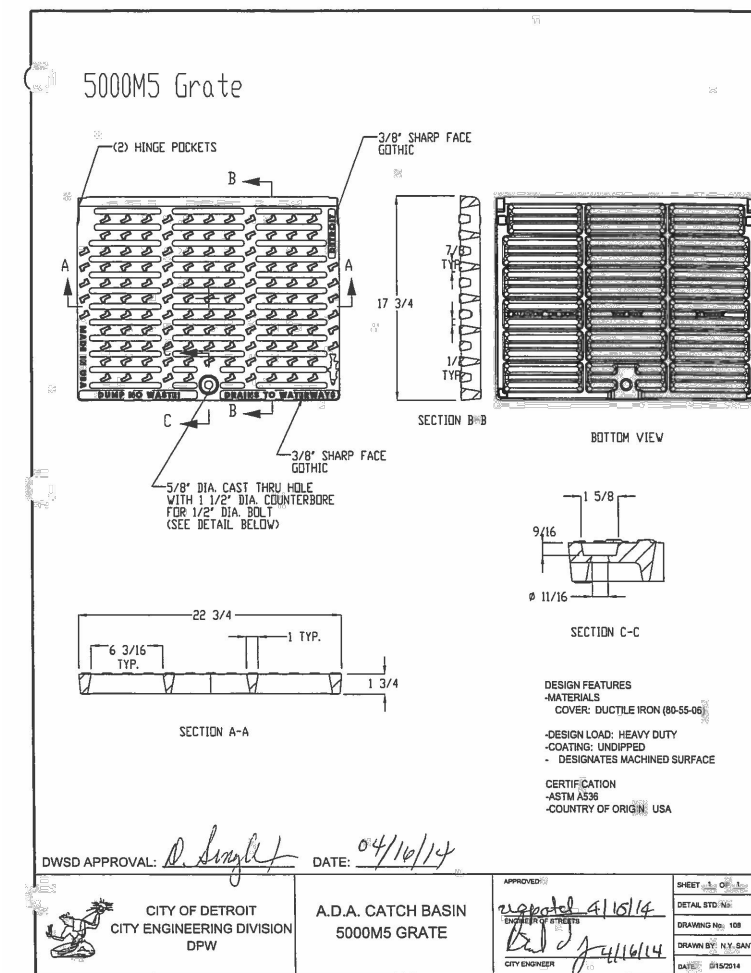
CITY OF DETROIT
ART ALLEYS - PHASE 1
UTILITY DETAILS

DATE	PROJ. NUMBER	ENG.	PROJ. MGR.	CADD	COUNTY	MUNICIPALITY
12/22/2010	244	ZJA	CCR	US	WAYNE	DETROIT

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**CROSS-SECTION
CATCH BASIN**



**UNDERDRAIN TRENCH
NOT TO SCALE**

54

TRAPPED CATCH BASIN
NOT TO SCALE

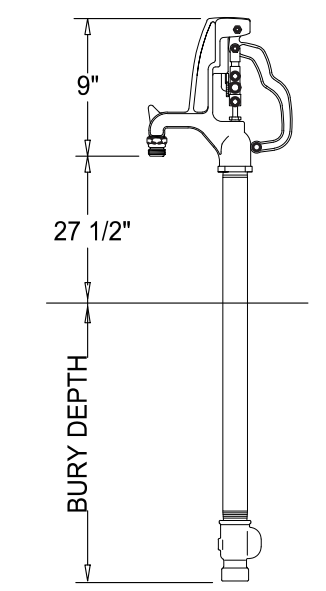
55

CATCH BASIN COVER - ADA
NOT TO SCALE

56

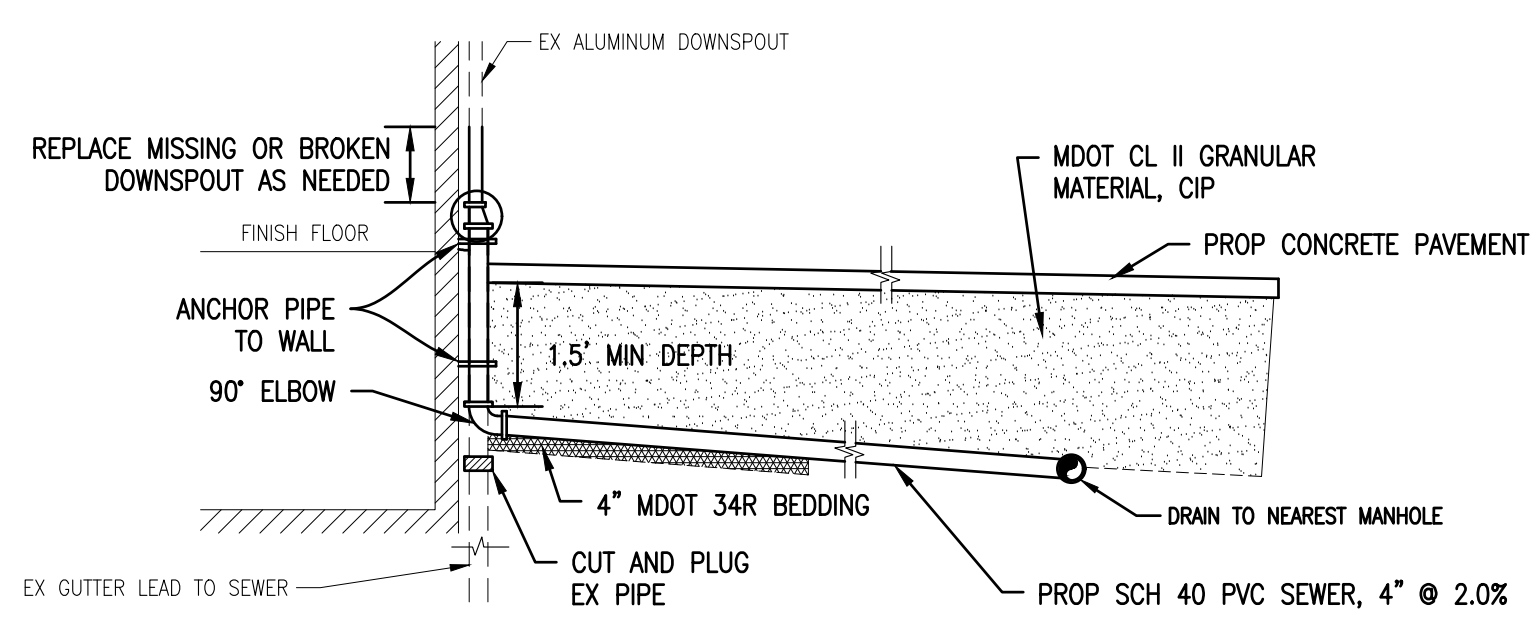
SANITARY TRENCH
NOT TO SCALE

- NOTES:
1. FREEZELESS YARD HYDRANT; WOODFORD MODEL Y1-Y34 OR EQUIVALENT
 2. 6" BURY DEPTH
 3. 3/4" OR 1" NOZZLE DIELECTRIC UNION B/W GALVANIZED STEEL AND COPPER



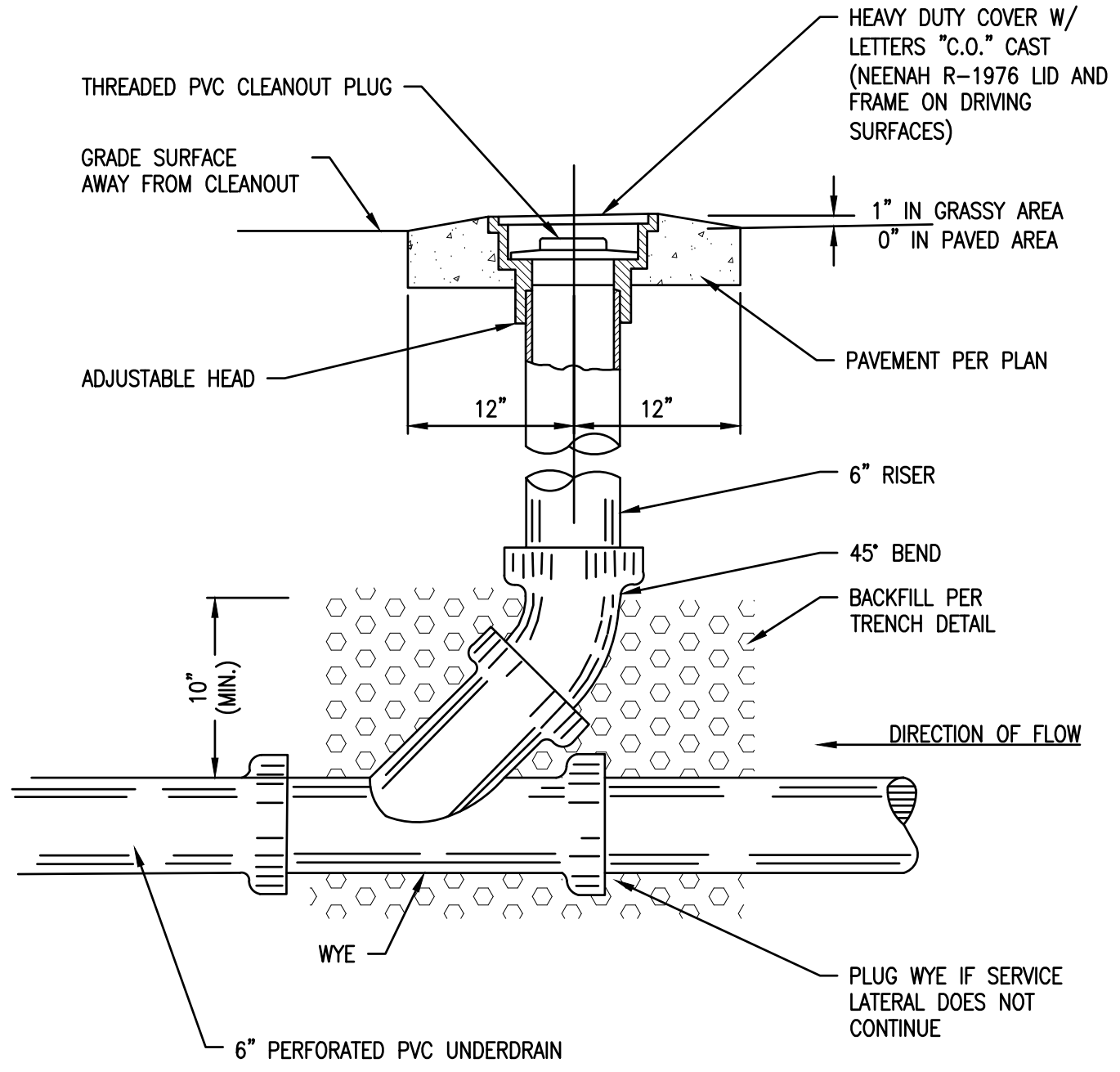
**YARD HYDRANT
NOT TO SCALE**

57



**DOWNSPOUT DISCONNECTION
NOT TO SCALE**

59



**UNDERDRAIN CLEANOUT
NOT TO SCALE**

60

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transmittal

Date: September 21, 2023
Attn: DWSD & DTE
Job No: 7522-22-0010

We are sending you the following items:

- Drawings
- Plans
- Agreement
- Letter
- Proposal
- Other: _____

Number of copies and description:

1	Updated plans per DWSD and DTE review comments.

These are transmitted as checked below:

- For Approval
- For Review and Comment
- Returned For Corrections
- For Your Use
- Approved As Submitted
- For Your Signature
- As Requested
- Approved As Noted
- Other: _____

Comments:

Signed:

Name: Zachary Hampton **Title:** Project Engineer