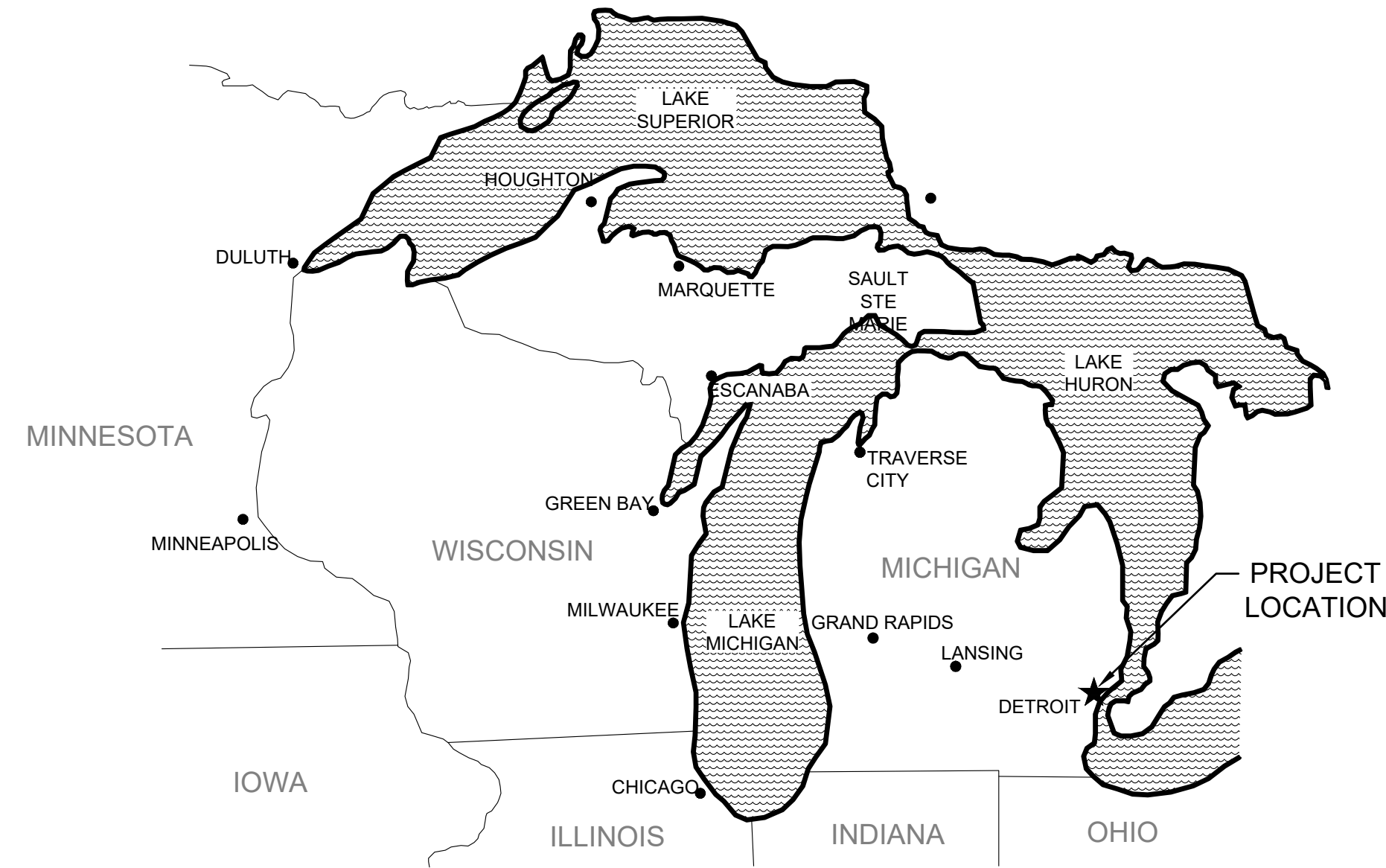


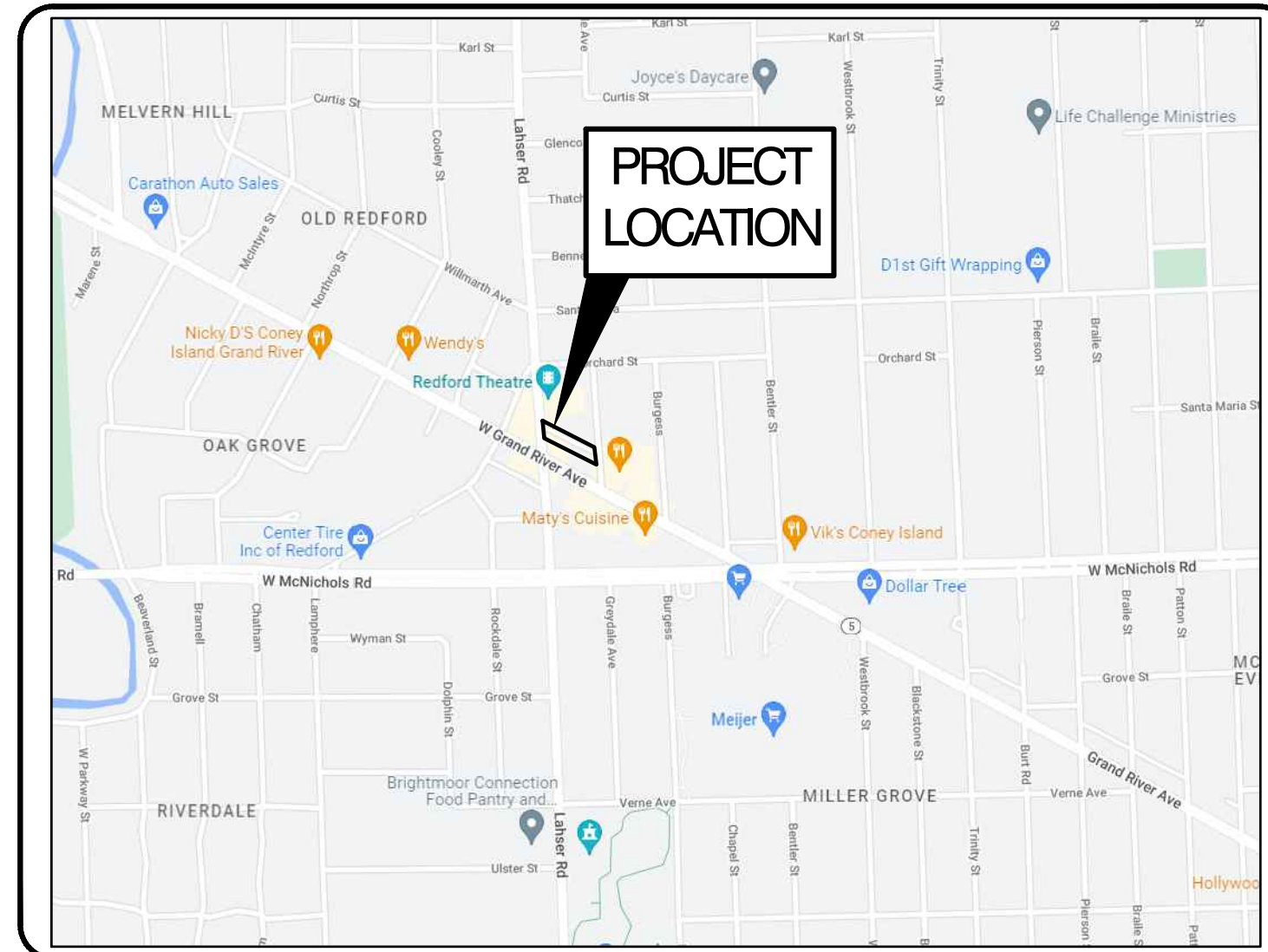
CITY OF DETROIT

ART ALLEYS - PHASE 1

OLD REDFORD 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

GLWA
735 RANDOLPH STREET#1900
DETROIT, MI 48226
PHONE: 844-455-4592
EMAIL: GIS@GLWATER.ORG

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

EVERSTREAM
3950 SPARKS DR SE
GRAND RAPIDS, MI 49546
PHONE: 616-608-8945
EMAIL: BKUNTER@EVERSTREAM.NET
CONTACT: BRIAN KUNTER

LEVEL 3 NOW CENTRUYLINK
1025 ELDORADO BLVD
BROOMFIELD, CO 80021
PHONE: 877-366-8344 EXT:3
EMAIL: RYAN.EGAN@CENTURYLINK.COM
CONTACT: RYAN EGAN

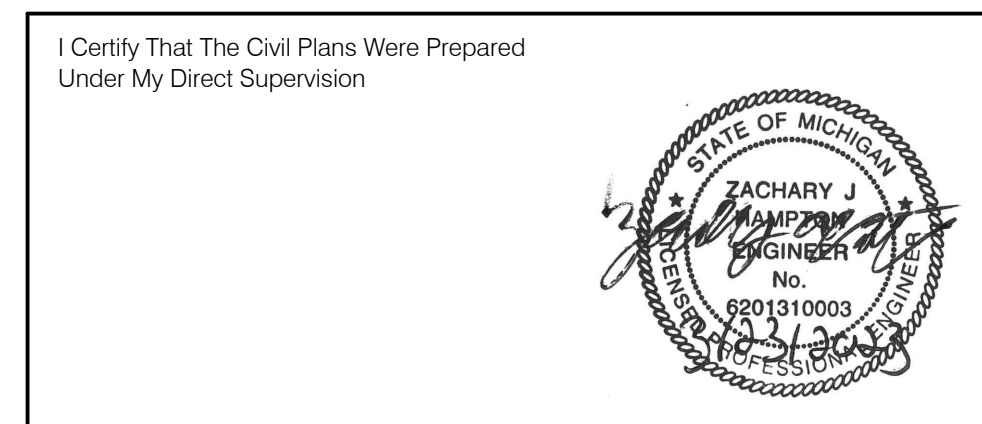
VERIZON/MCI
1095 AVENUE OF THE AMERICAS
NEW YORK, NY 10036
PHONE: 800-624-9675
EMAIL: RONALD.KOCIENSKI@VERIZONWIRELESS.COM
CONTACT: RONALD KOCIENSKI

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SHEET INDEX

| SHEET | SHEET TITLE | DATE | DESCRIPTION | ISSUE |
|---------|--|------------|-------------|-------|
| C2 | LEGEND | 05/18/2023 | BID PLANS | |
| C3 | GENERAL NOTES | | | |
| C4 | EXISTING CONDITIONS / TOPOGRAPHIC SURVEY | | | |
| C5 | ACCESS AND STAGING PLAN | | | |
| C6 | DEMOLITION | | | |
| C7 | SITE LAYOUT PLAN | | | |
| C8 | ALTERNATE SITE PLAN | | | |
| C9-C10 | GRADING PLAN | | | |
| C11 | UTILITY PLAN | | | |
| C12-C14 | SITE/CIVIL DETAILS | | | |
| C15-C16 | UTILITY DETAILS | | | |

BID PLANS
OHM PROJECT NO. 7522-20-0010
DATE/ISSUE: 05/18/2023



WATER & SEWER UTILITY SYMBOLS

EXISTING

- ST STORM MANHOLE
- SQUARE CATCH BASIN
- ⊕ ROUND CATCH BASIN
- ==== CULVERT
- ⊕ CULVERT W/O END SECTION
-) CULVERT W/END SECTION
- S SANITARY MANHOLE
- ⊙ CLEAN OUT
- ⊗GW GATE VALVE & WELL
- GATE VALVE & BOX
- W WATER STOP BOX
- ⊕ FIRE HYDRANT
- MP METER PIT
- ⊕ WATER METER
- SH SPRINKLER HEAD
- ⊙ IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
-) CULVERT END SECTION
- SANITARY MANHOLE
- ⊗GV&W GATE VALVE & WELL
- ⊗GV&B GATE VALVE & BOX
- ⊗TSV&W TAPPING SLEEVE VALVE & WELL
- ⊗TSV&B TAPPING SLEEVE VALVE & BOX
- ⊕ FIRE HYDRANT
- W WATER SERVICE CONNECTION
- MP METER PIT
- E ELECTRIC CABINET
- ⊕ YARD HYDRANT
- ⊙ CLEAN OUT

REAL ESTATE SYMBOLS

- ↔ CONTIGUOUS PROPERTY SYMBOL
- XXXX PARCEL NUMBER BOX
- ⊗ NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- ↖ GUY WIRE
- ⊗GP GUY POLE
- ⊗U UTILITY POLE
- ⊕ UTILITY POLE W/LIGHT
- ⊕ LIGHT/DECOR LAMP POLE
- ⊕ FLOOD LIGHT
- ⊙ GAS VALVE
- ⊙ GAS VENT
- ⊙ GAS METER
- ◇ GAS RISER
- ⊕ TRAFFIC SIGNAL
- ⊕ PEDESTRIAN RISER
- E TRANSFORMER PAD
- ⊙ U PRIVATE UTILITY MANHOLE
- R X R RAILROAD CROSSING
- E ELECTRIC METER
- PB PHONE BOOTH
- TS TRAFFIC SIGNAL CONTROLLER
- ⊕ HAND HOLE
- ◇ E ELECTRIC RISER
- ◇ T TELEPHONE RISER
- ◇ C CABLE TV RISER
- ⊕ W 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"
- ⊕ DECIDUOUS TREE } CL 2 6" TO 17"
- ⊕ CONIFEROUS SHRUB
- ⊕ DECIDUOUS SHRUB
- ⊕ SB# SOIL BORING
- ⊕ SECTION CORNER
- MON MONUMENT
- IRON ROD/PIPE
- ⊕ PK PK NAIL
- BM# BENCHMARK
- △ TP# TRAVERSE POINT
- ⊕ MAIL/NEWSPAPER BOX
- ⊕ FP 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

- 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

PROPOSED

- 12" ----- STORM/SANITARY/WATER
 - 12" ----- 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 ----- ROW
- SECTION ----- SECTION
- PROPERTY/PARCEL ----- PROPERTY/PARCEL

PROPOSED

- ROW ----- ROW

TOPO PATTERN

EXISTING

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

PROPOSED

- GRADING LIMIT (SLOPE STAKE) ----- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH ----- CENTERLINE OF DITCH
- GUARDRAIL ----- GUARDRAIL
- FENCE ----- 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
- S-XXXXXX SALVAGE
- B-XXXXXX BULKHEAD
- A-XXXXXX ABANDON
- R-XXXXXX REMOVE
- ADJ-XXXXXX ADJUST
- REL-XXXXXX RELOCATE
- REC-XXXXXX RECONSTRUCT
- R B/O-XXXXXX REMOVE BY OTHERS
- ADJ B/O-XXXXXX ADJUST BY OTHERS
- REL B/O-XXXXXX RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- ⊕ SALVAGE
- ⊕ BULKHEAD
- ⊕ ABANDON
- ⊕ CLEARING
- ⊕ REMOVE
- ⊕ RELOCATE
- ⊕ RECONSTRUCT
- ⊕ REL B/O RELOCATE BY OTHERS
- ⊕ ADJ B/O ADJUST BY OTHERS

SPECIAL LEGEND

- ⊕ PROPOSED LANDSCAPING AREA
- ⊕ PROPOSED TURF AREA

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STATE OF MICHIGAN
ZACHARY J. CAMPBELL
ENGINEER
No. 6201310005
PROFESSIONAL

REVISIONS

DATE PRO NUMBER ENG PROJ INGR CAD COUNTY COUNTY WAYNE CAD JS
7/22/20-0710 Z/JH GCR
CITY OF DETROIT
ART ALLEYS - PHASE 1
LEGEND

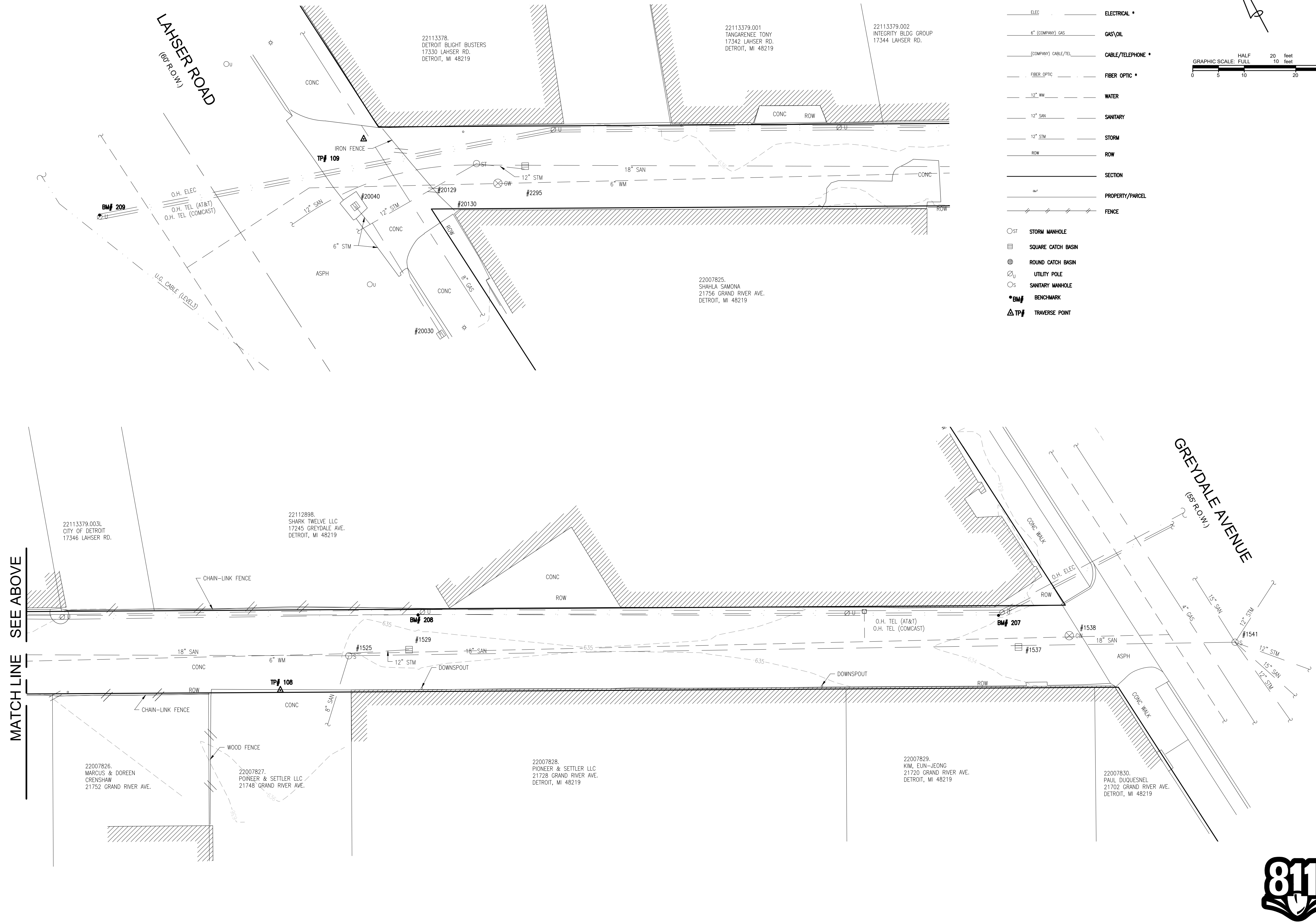
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OLD REDFORD ARTS ALLEY

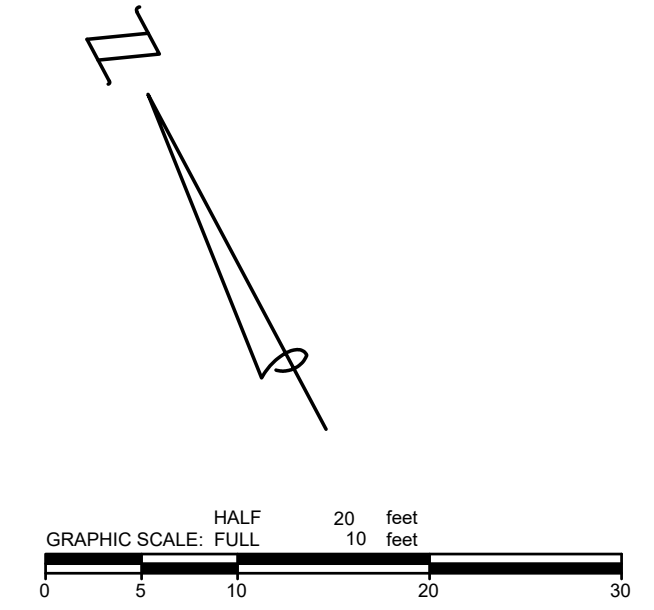
(16' R.O.W.)

| |
|---|
| 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 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 |



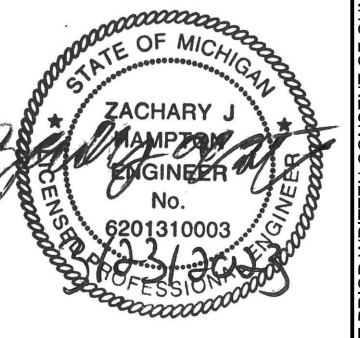
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Detroit, MI 48226
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| |
|--|
| #1538 GATE WELL T/CAST 633.67 TOP OF DEBRIS 630.00 |
| #1525 STORM MANHOLE T/CAST 635.06 12" CONC INV E 630.93 8" CLAY INV SW 628.37 18" CONC INV E 622.16 18" CONC INV 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 |
| #20129 COMBINE MANHOLE T/CAST 635.61 12" CONC INV SE 631.96 12" CONC INV W 629.07 12" CLAY INV NW 630.55 18" CLAY INV SE 621.26 6" DI THRU NE/SW 631.17 |
| #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 |
| MUNICIPALITY DETROIT | | | | | |
| CITY OF DETROIT ART ALLEYS - PHASE 1 EXISTING CONDITIONS / TOPOGRAPHIC SURVEY | | | | | |
| SHEET C4 | | | | | |



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OLD REDFORD ARTS ALLEY

(16' R.O.W.)

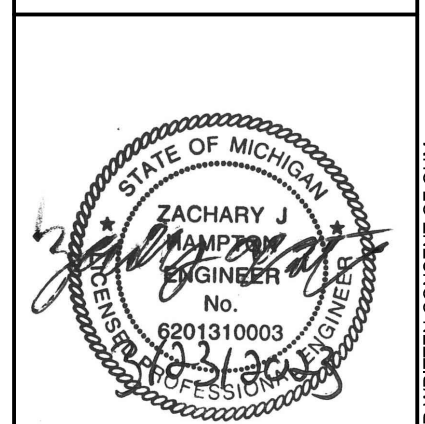
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| JOB BENCHMARK #207 DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE ON W/SIDE OF GREYDALE ST AT BEGINNING OF ALLEY ELEV 6.35.05 |
| JOB BENCHMARK #208 DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE NEAR MID POINT OF ALLEY, +/-15FT NE OF CB#1529 ELEV 6.36.39 |
| JOB BENCHMARK #209 DESCRIPTION: SET COTTON SPINDLE ON E/FACE OF U/POLE ON W SIDE OF LASHER RD AT ALLEY INTERSECTION ELEV 6.36.05 |
| 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 |






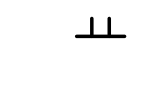

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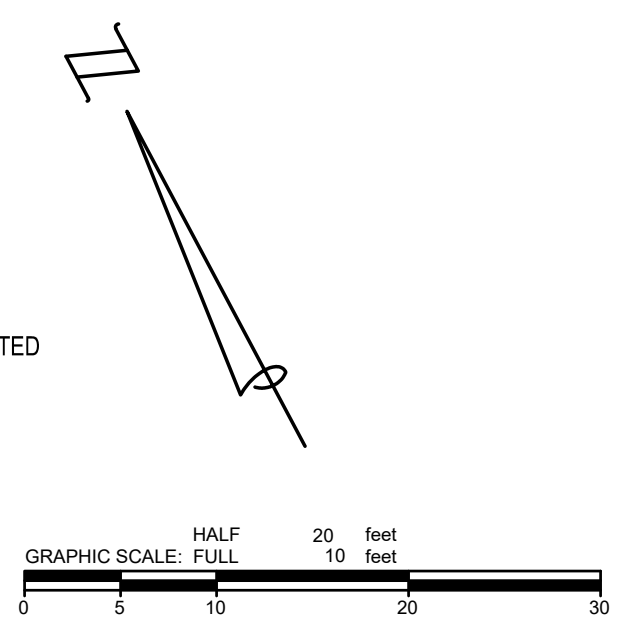


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LEGEND

-  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

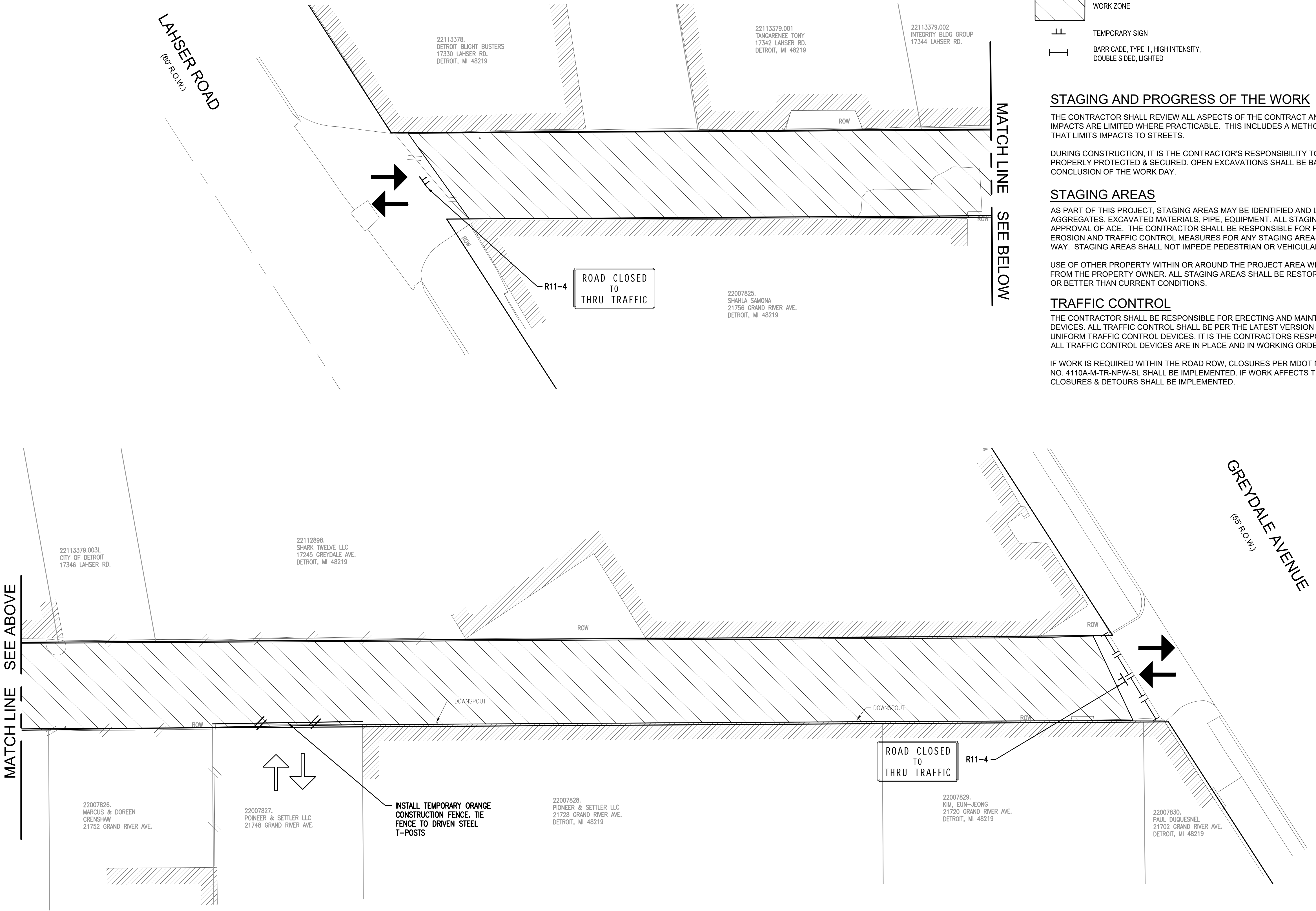
AS PART OF THIS PROJECT, STAGING AREAS MAY BE IDENTIFIED AND USED FOR THE STORAGE OF AGGREGATES, EXCAVATED MATERIALS, PIPE, EQUIPMENT. ALL STAGING AREAS SHALL BE PER THE APPROVAL OF ACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL SOIL EROSION AND TRAFFIC CONTROL MEASURES FOR ANY STAGING 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.



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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

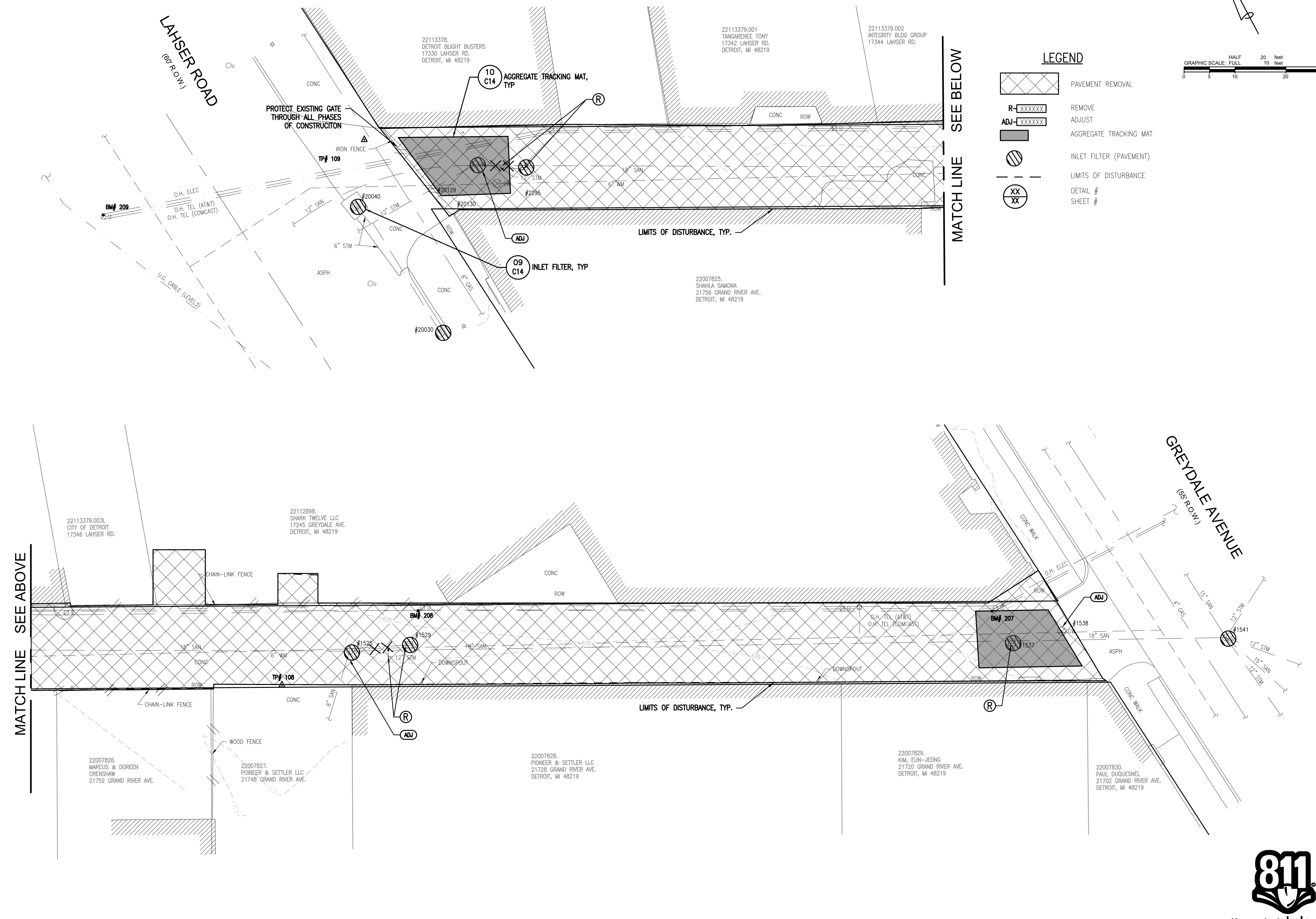
SHEET **C5**

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| |
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| TRAVERSE POINT #109 N 336158.16 E 13422830.89 ELEV 635.89 |

OLD REDFORD ARTS ALLEY

(16' R.O.W.)



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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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| #20130 STORM MANHOLE T/CAST 635.55 TOP OF DEBRIS 631.57 |

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ZACHARY J.
ENGINEER
No. 6201310003
PROFESSIONAL

REVISIONS

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

CITY OF DETROIT
ART ALLEYS - PHASE 1
DEMOLITION

SHEET **C6**

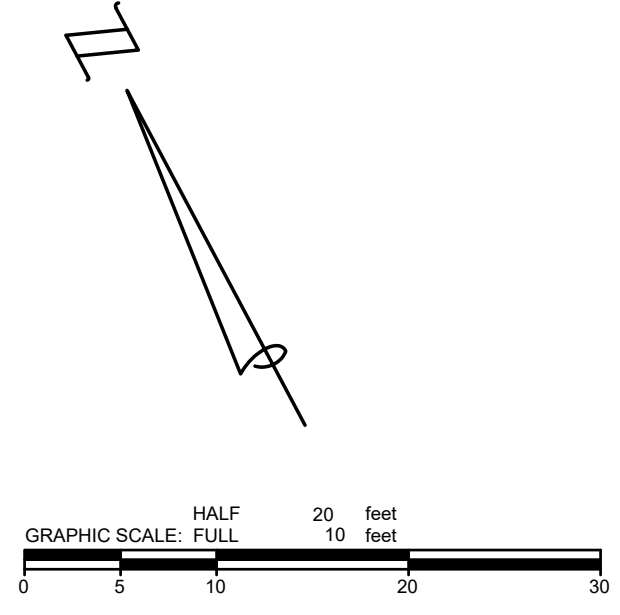
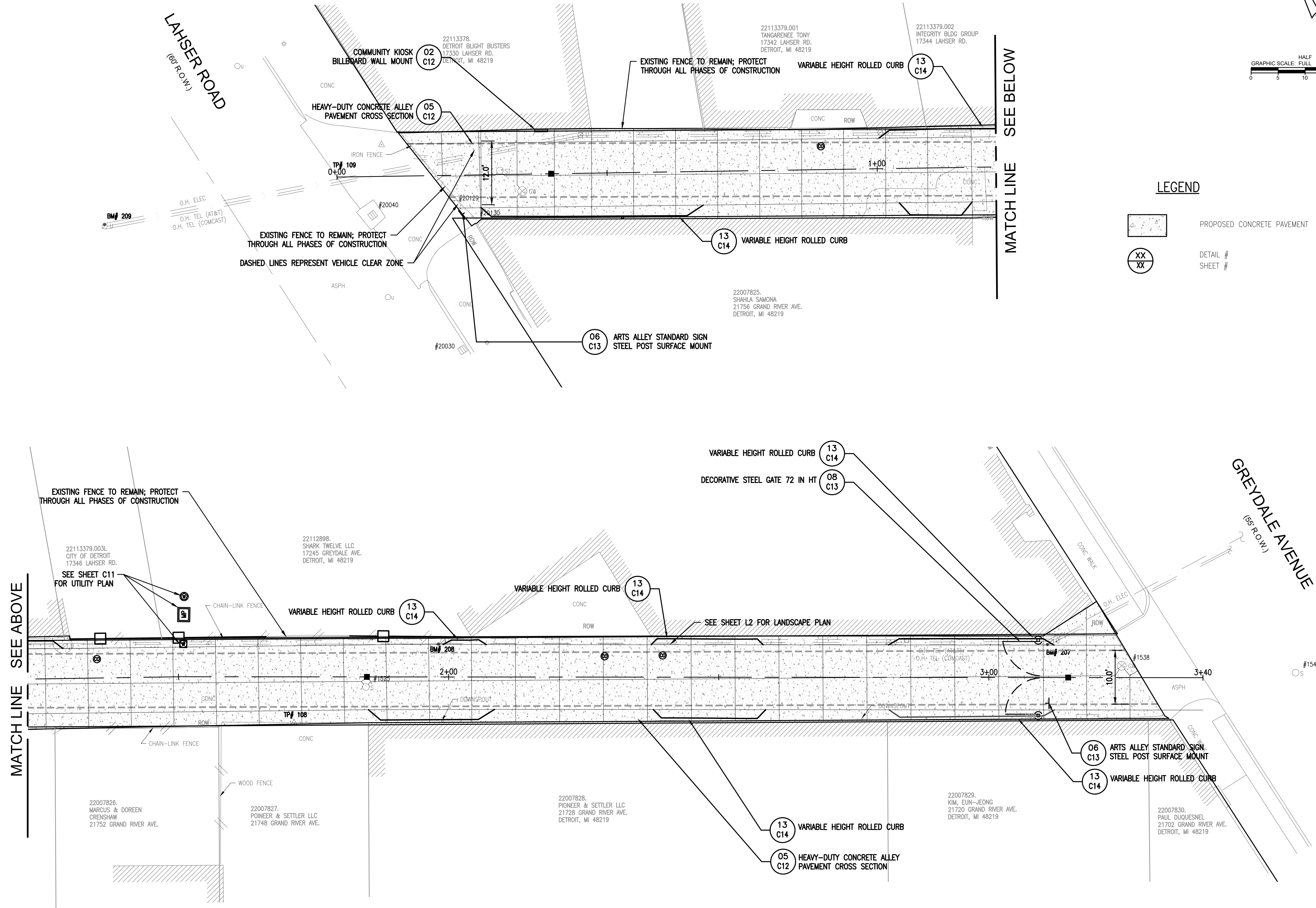


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| JOB BENCHMARK #208 DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE NEAR MID POINT OF ALLEY, +/-15FT NE OF CB#1529 ELEV 6.36.39 |
| JOB BENCHMARK #209 DESCRIPTION: SET COTTON SPINDLE ON E/FACE OF U/POLE ON W SIDE OF LAHSER RD AT ALLEY INTERSECTION ELEV 6.36.05 |
| 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 |

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

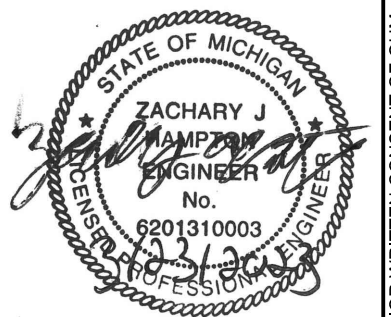
NOTE:
CONTRACTOR TO REVIEW LOCATIONS FOR SITE FURNISHINGS WITH OWNER AND ENGINEER PRIOR TO FINAL INSTALLATION.
MODIFICATIONS TO LOCATIONS MAY BE MADE AT THE DISCRETION OF THE OWNER AT NO ADDITIONAL COST



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| DATE | PROJ NUMBER | ENG | PROJ MGR | CADD | COUNTY | MUNICIPALITY |
| 7/22/2020 | 7522-0010 | ZJK | GCR | JS | WAYNE | DETROIT |

CITY OF DETROIT
ART ALLEYS - PHASE 1
SITE LAYOUT PLAN

SHEET
C7

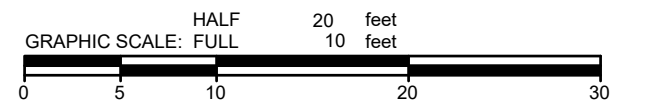
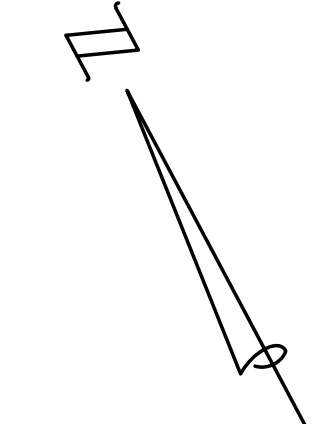
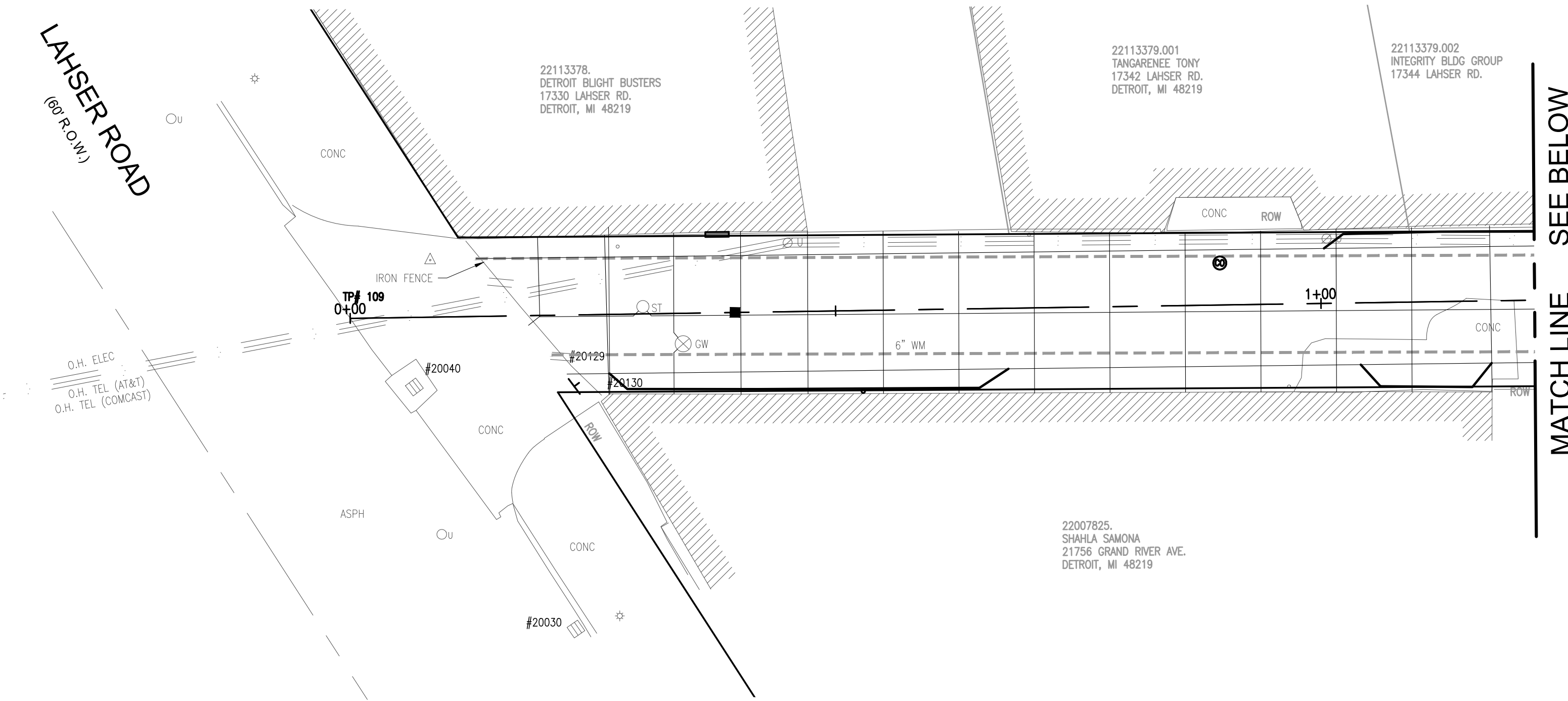
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OLD REDFORD ARTS ALLEY

(16' R.O.W.)

| |
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| TRAVERSE POINT #107 N 335980.45 E 13423160.35 ELEV 6.33.88 |
| 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.)

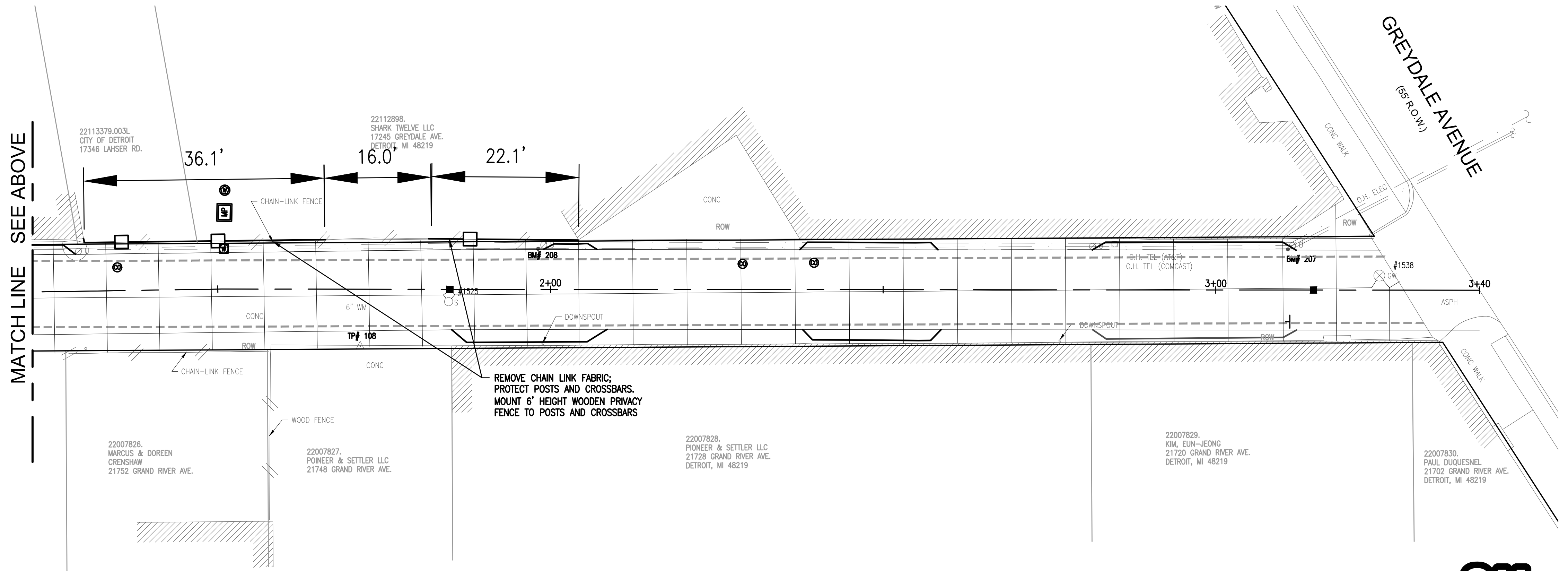


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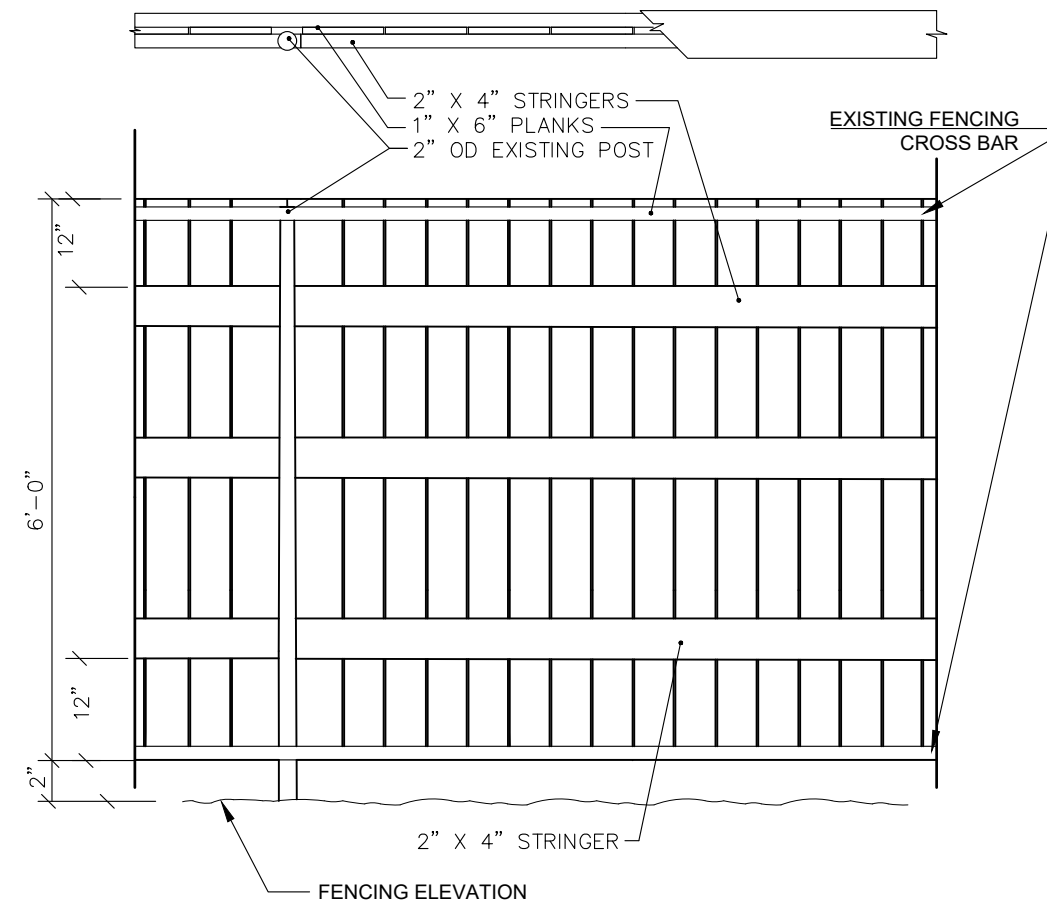
REMOVE & REPLACE WITH 6' WOODEN FENCE

MATCH LINE SEE BELOW

MATCH LINE SEE ABOVE



GREYDALE AVENUE
(65' R.O.W.)



- 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

REMOVE CHAIN LINK FABRIC;
PROTECT POSTS AND CROSSBARS.
MOUNT 6' HEIGHT WOODEN PRIVACY
FENCE TO POSTS AND CROSSBARS

BASE BID: NO MODIFICATIONS TO EXISTING FENCING

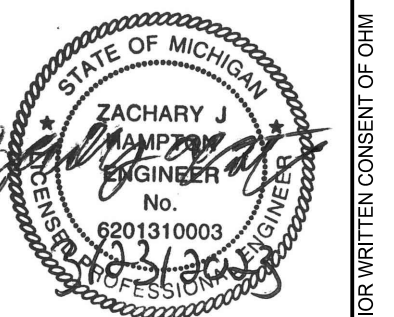
ALTERNATE #1: REMOVE 65FT OF CHAIN LINK FABRIC; MAINTAIN AND PROTECT EXISTING FENCING POSTS AND CROSS BARS. MOUNT 6' HEIGHT WOODEN PRIVACY FENCE TO EXISTING FENCE POSTS AND CROSS BARS



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ART ALLEYS - PHASE 1
SITE LAYOUT PLAN - FENCING

C8

DRAWING PATH: P:\7501_7600\7522\22010_Arts Alleys\Drawings\Civil\Plans_Cons\22010A1T_REDF.dwg Sep 18, 2023 - 5:03pm

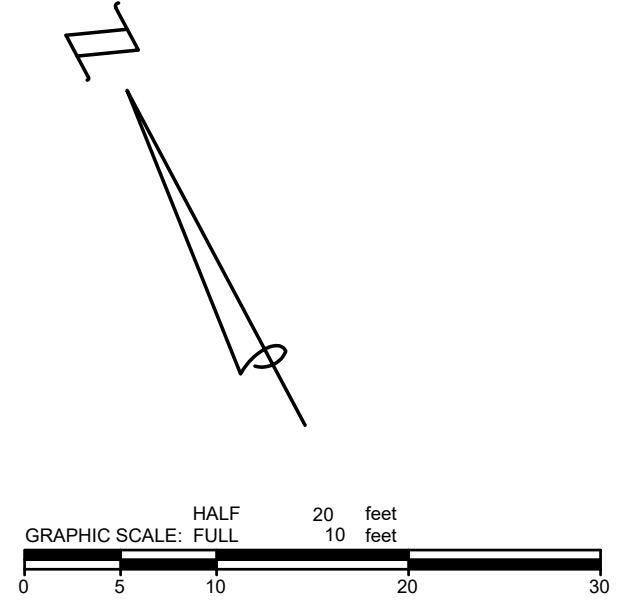
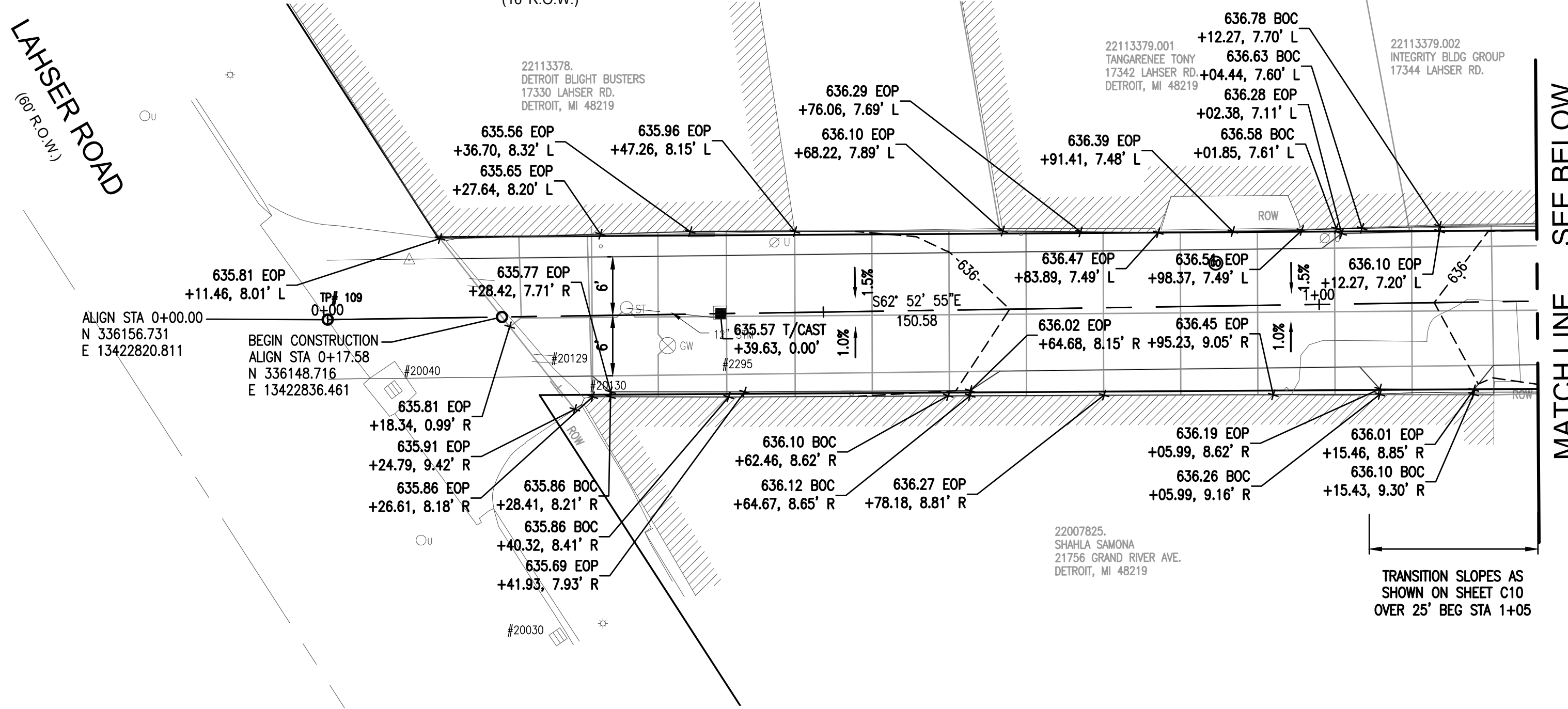
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| JOB BENCHMARK #208 DESCRIPTION: SET COTTON SPINDLE IN S/FACE OF U/POLE NEAR MID POINT OF ALLEY, +/-15FT NE OF CB#1529 ELEV 636.39 |
| JOB BENCHMARK #209 DESCRIPTION: SET COTTON SPINDLE ON E/FACE OF U/POLE ON W SIDE OF LAHSER RD AT ALLEY INTERSECTION 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 |

OLD REDFORD ARTS ALLEY

(16' R.O.W.)

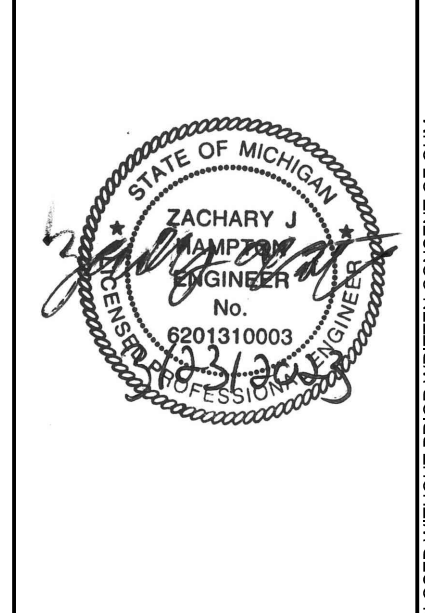
LAHSER ROAD
(60' R.O.W.)



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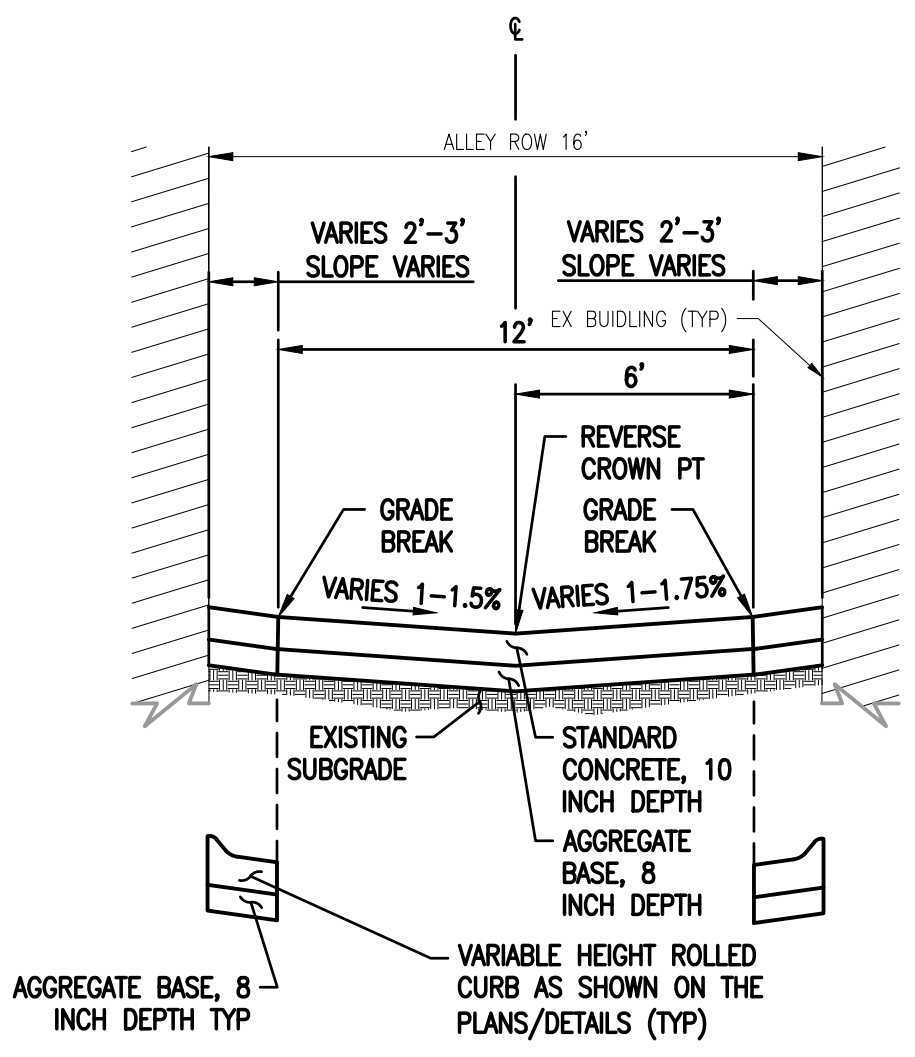


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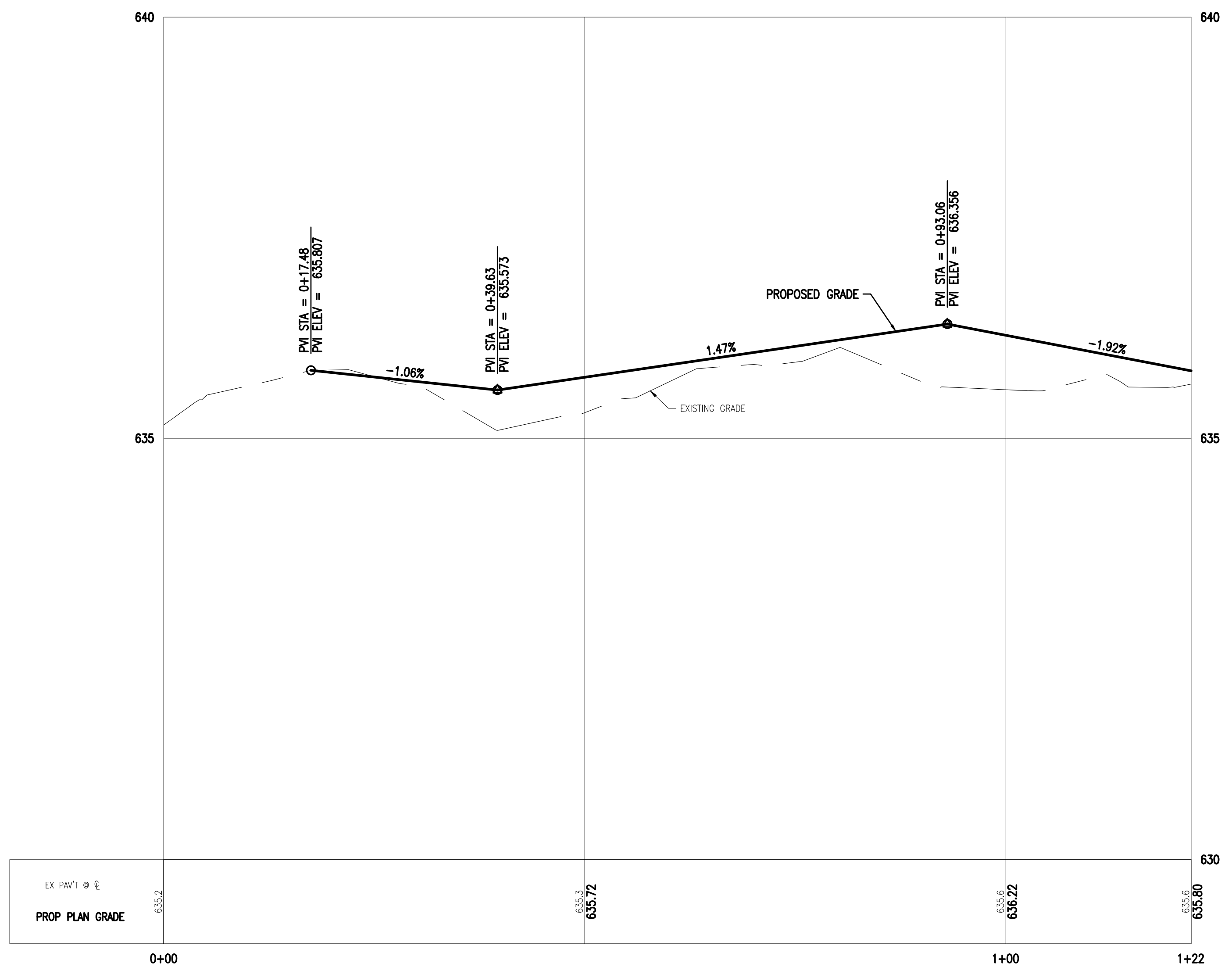


LEGEND

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



PROPOSED TYPICAL CROSS SECTION - OLD REDFORD



DRAWING PATH: P:\7501_7600\762222010_Arts Alleys\Drawings\Civil\Grading\22010GRD_REDF.dwg Sep 18, 2023 - 5:04pm

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| REVISIONS | DATE | PROJ NUMBER | ENG | PROJ MGR | CADD | COUNTY | MUNICIPALITY |
| | | 7522-00-010 | ZJH | GCR | MI | WAYNE | DETROIT |
| CITY OF DETROIT ART ALLEYS - PHASE 1 GRADING PLAN | | | | | | | |



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 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

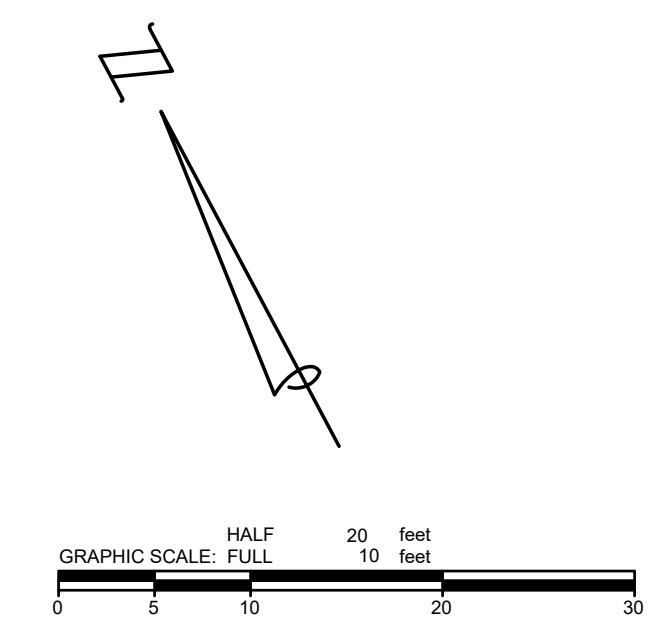
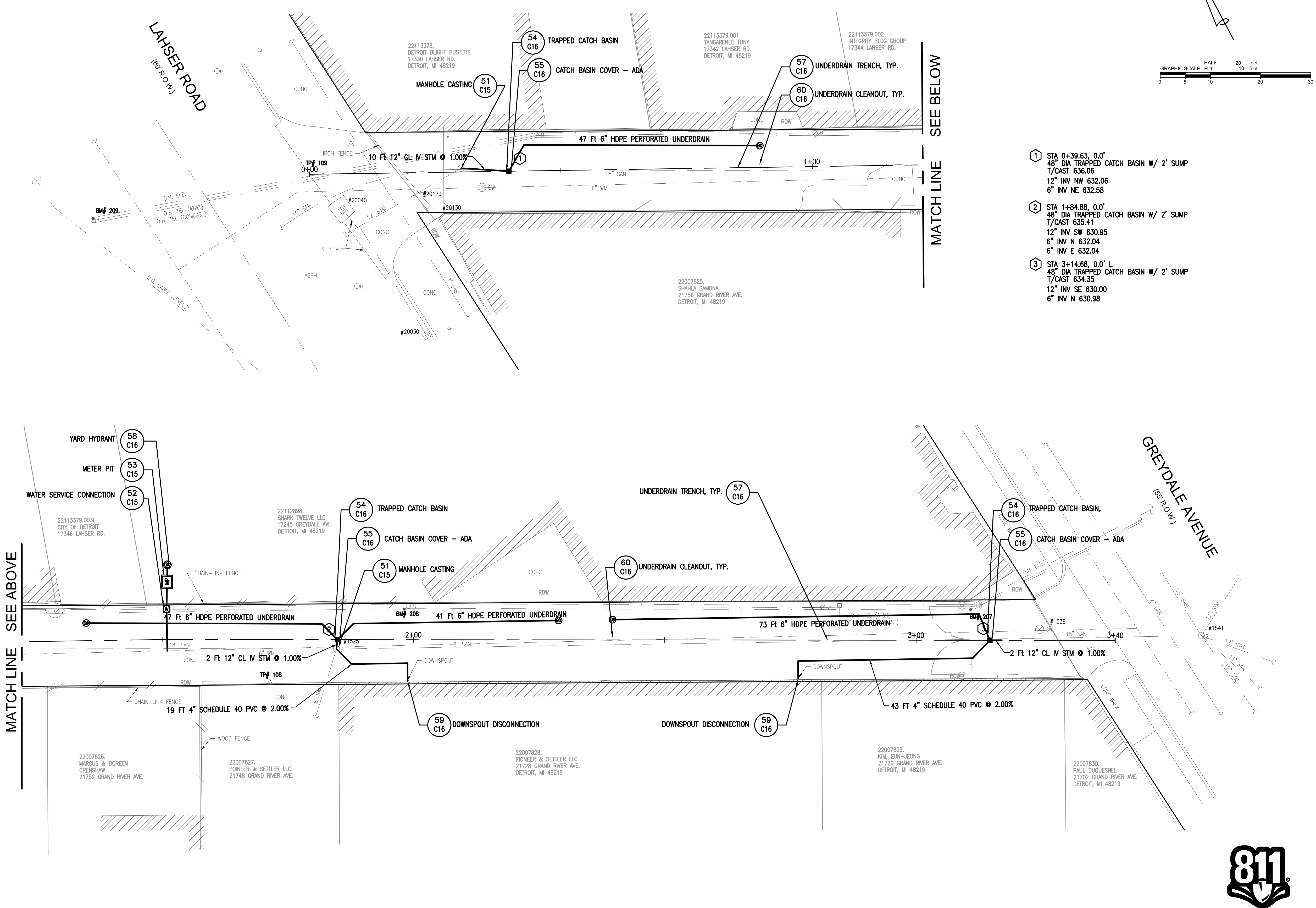
LEGEND

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 |
| ⊕ | WATER SERVICE CONNECTION |
| ⊙ | SANITARY MANHOLE |
| ⊕ | YARD HYDRANT |
| ⊙ | CLEAN OUT |



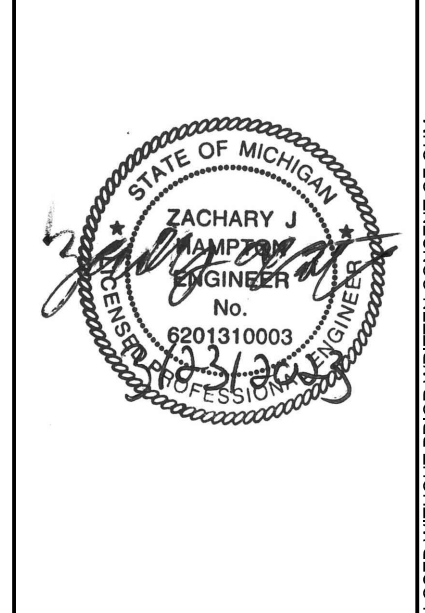
- ① STA 0+39.63, 0.0' 48" DIA TRAPPED CATCH BASIN W/ 2' SUMP T/CAST 636.06 12" INV NW 632.06 6" INV NE 632.58
- ② STA 1+84.88, 0.0' 48" DIA TRAPPED CATCH BASIN W/ 2' SUMP T/CAST 635.41 12" INV SW 630.95 6" INV N 632.04 6" INV E 632.04
- ③ STA 3+14.68, 0.0' L 48" DIA TRAPPED CATCH BASIN W/ 2' SUMP T/CAST 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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CITY OF DETROIT
ART ALLEYS - PHASE 1
UTILITY PLAN



SHEET C11

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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.

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:**
- PRODUCT IS SHIPPED FULLY ASSEMBLED. WEIGHT VARIES, SEE MODEL CHART FOR INFORMATION.
 - BENCH SHALL BE SURFACE MOUNTED.
 - 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.
 - BENCH SIZE, COLOR, AND DIMENSIONS VARY. SEE CONSTRUCTION PLANS FOR SPECIFIC SIZING, COLOR, AND QUANTITIES.
 - CONTRACTOR SHALL SUBMIT MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR BENCHES AND ARM REST FOR REVIEW AND APPROVAL PRIOR TO PURCHASE

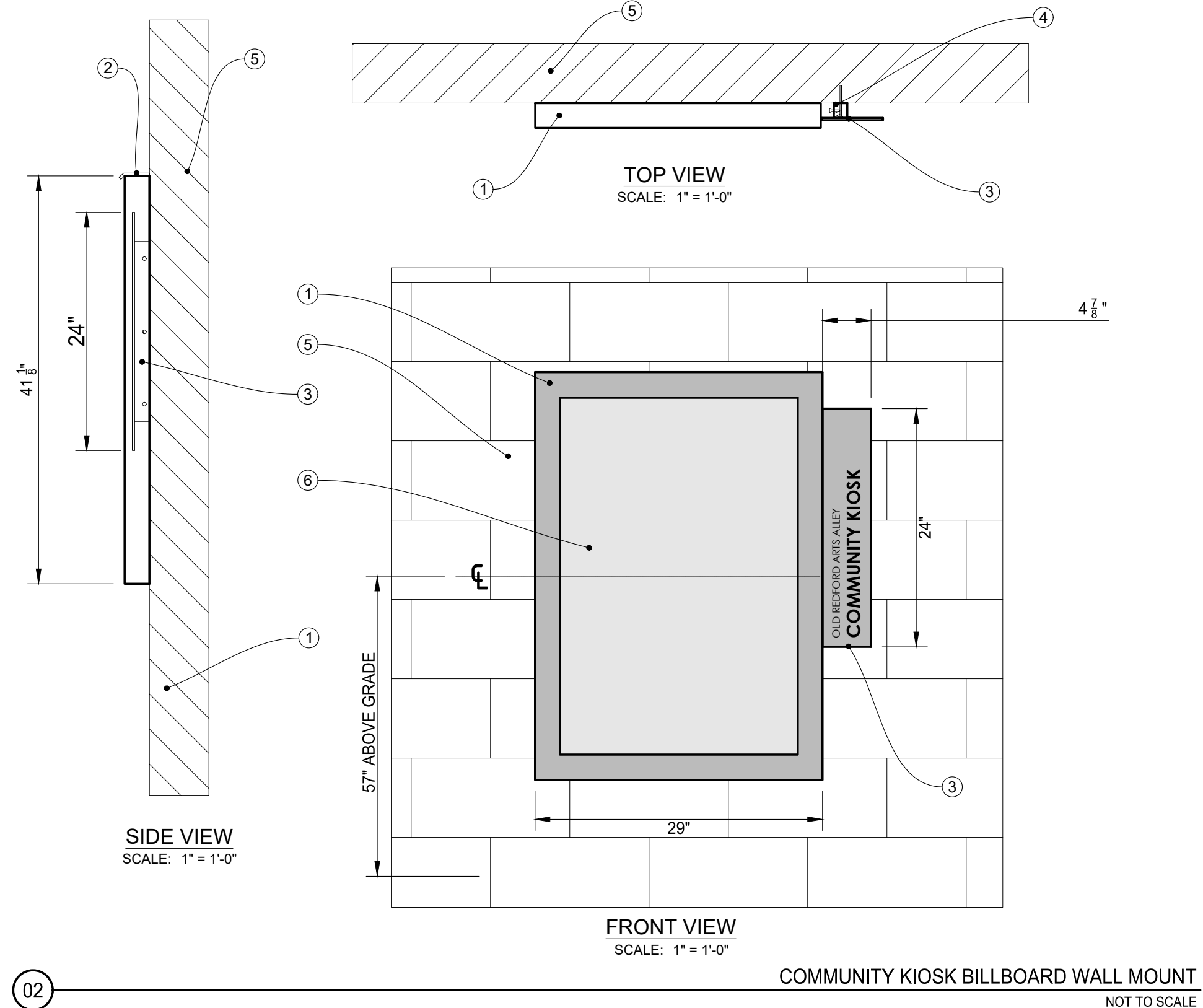
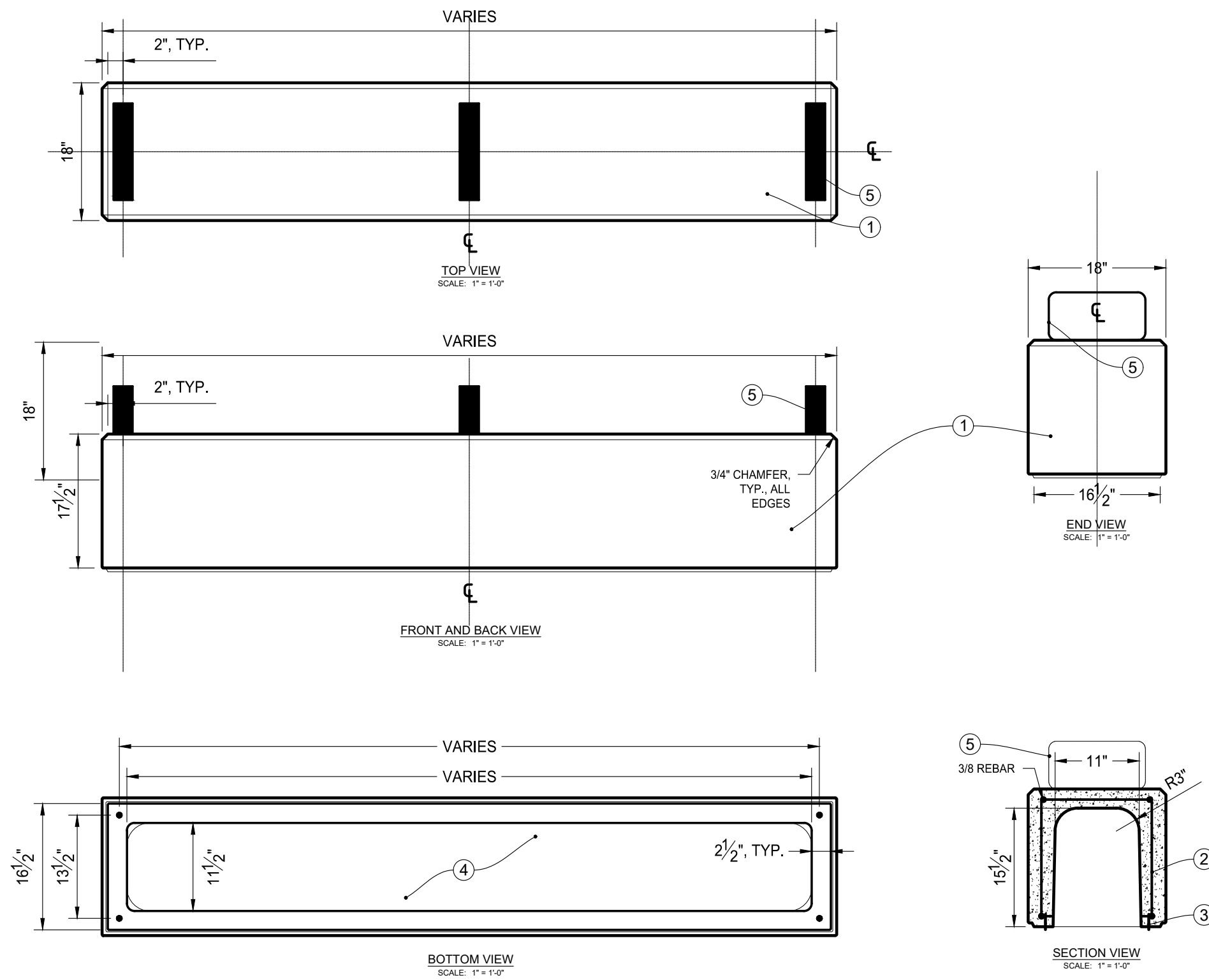
NOTES:

- CONTRACTOR SHALL SURFACE MOUNT DISPLAY CASE TO EXTERIOR BUILDING WALL PER MANUFACTURER'S SPECIFICATIONS AND WITH MOUNTING HARDWARE PROVIDED BY MANUFACTURER.
- 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.
- 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.
- CONTRACTOR SHALL SUBMIT DISPLAY CASE MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR REVIEW AND APPROVAL PRIOR TO PURCHASE
- 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
- 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

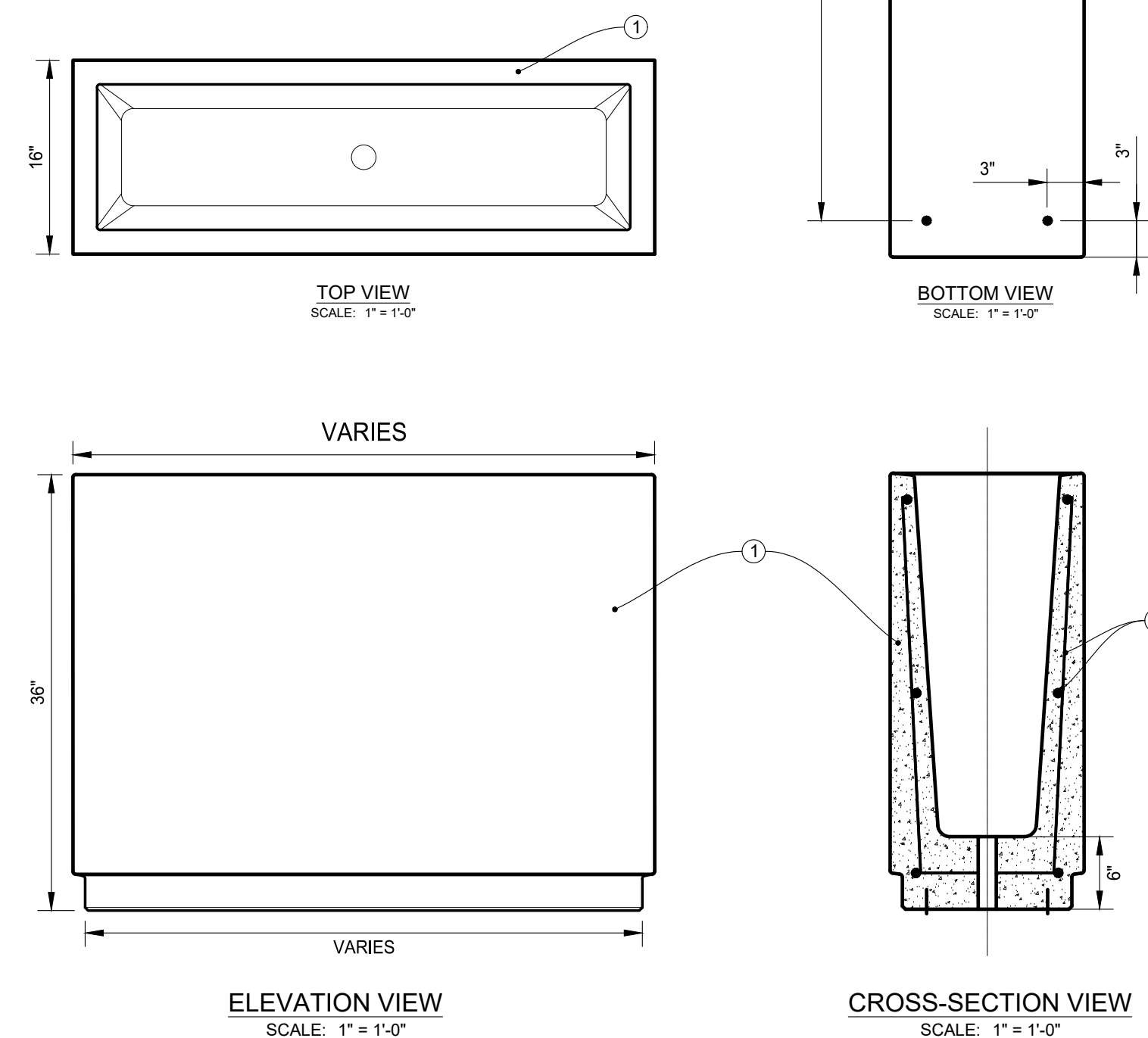


RECTANGULAR CONCRETE BENCH
NOT TO SCALE

COMMUNITY KIOSK BILLBOARD WALL MOUNT
NOT TO SCALE

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 |



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

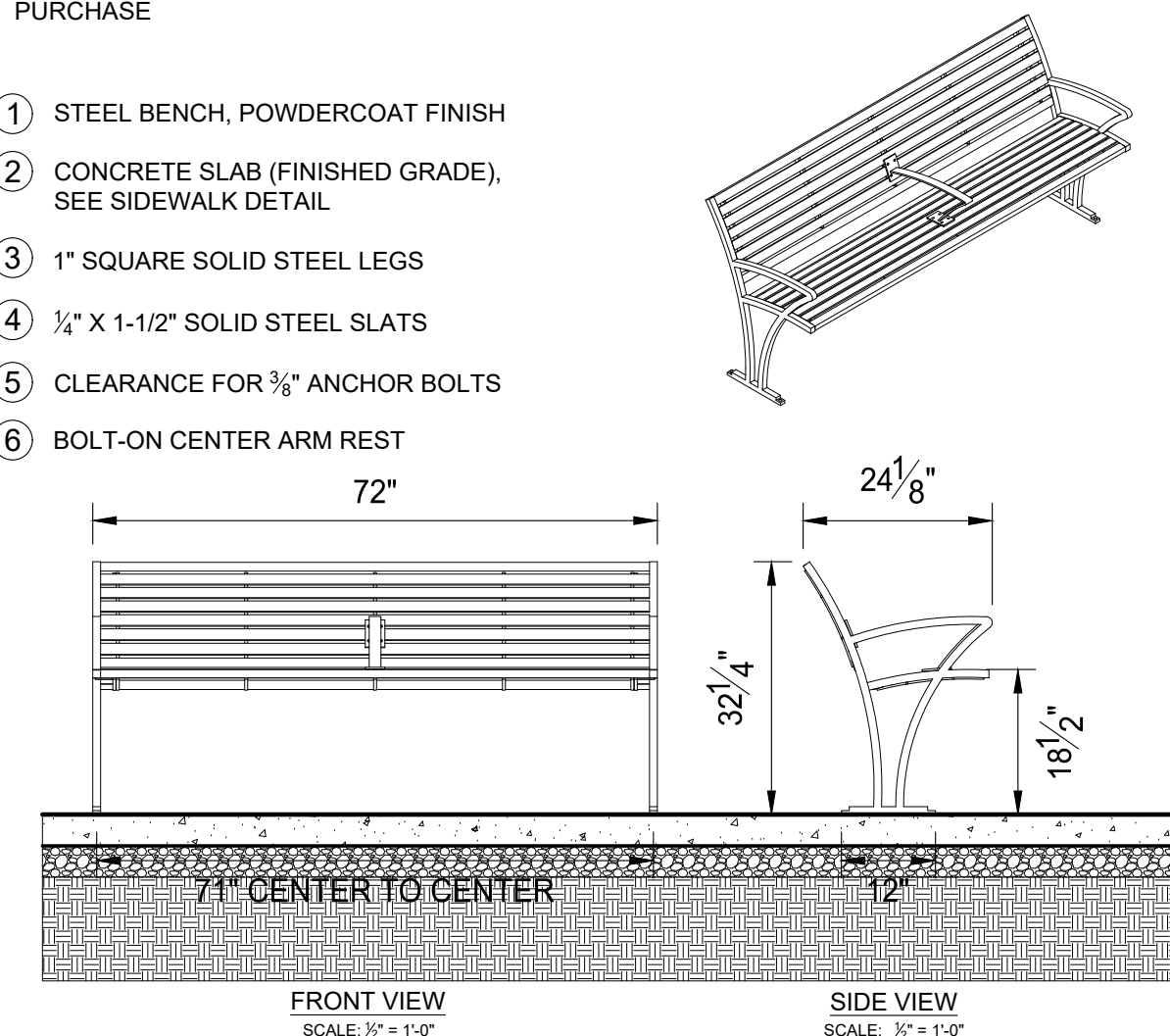
RECTANGULAR CONCRETE PLANTER
NOT TO SCALE

NOTES:

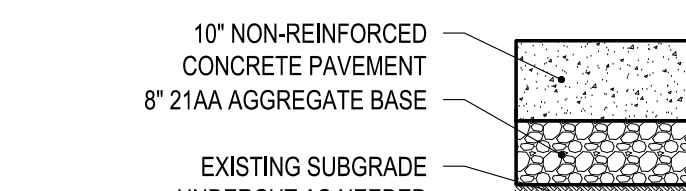
- PRODUCT SHIPPED PARTIALLY UNASSEMBLED
- BENCH SHALL BE SURFACE MOUNTED WITH 3/8" STAINLESS STEEL CONCRETE ANCHORING HARDWARE PER MANUFACTURER RECOMMENDATIONS. ANCHORING HARDWARE NOT SUPPLIED BY MANUFACTURER
- CONTRACTOR SHALL SUBMIT MANUFACTURER PRODUCT DATA SHEET, DETAILS, AND SPECIFICATIONS FOR REVIEW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



DECORATIVE BENCH 72 IN STEEL
NOT TO SCALE



HEAVY-DUTY CONCRETE ALLEY PAVEMENT CROSS SECTION
NOT TO SCALE



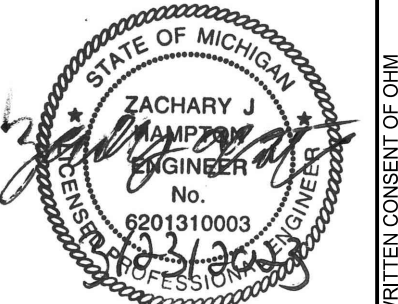
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CARD
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PROJ. NO.
GCR

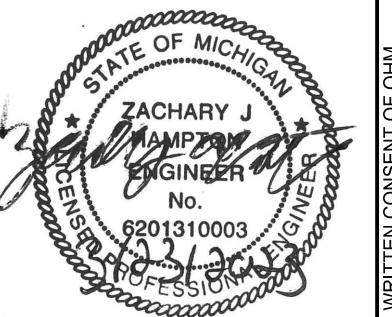
DATE
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PROJ. NUMBER
241

CITY OF DETROIT
ART ALLEYS - PHASE 1

SHEET
C12

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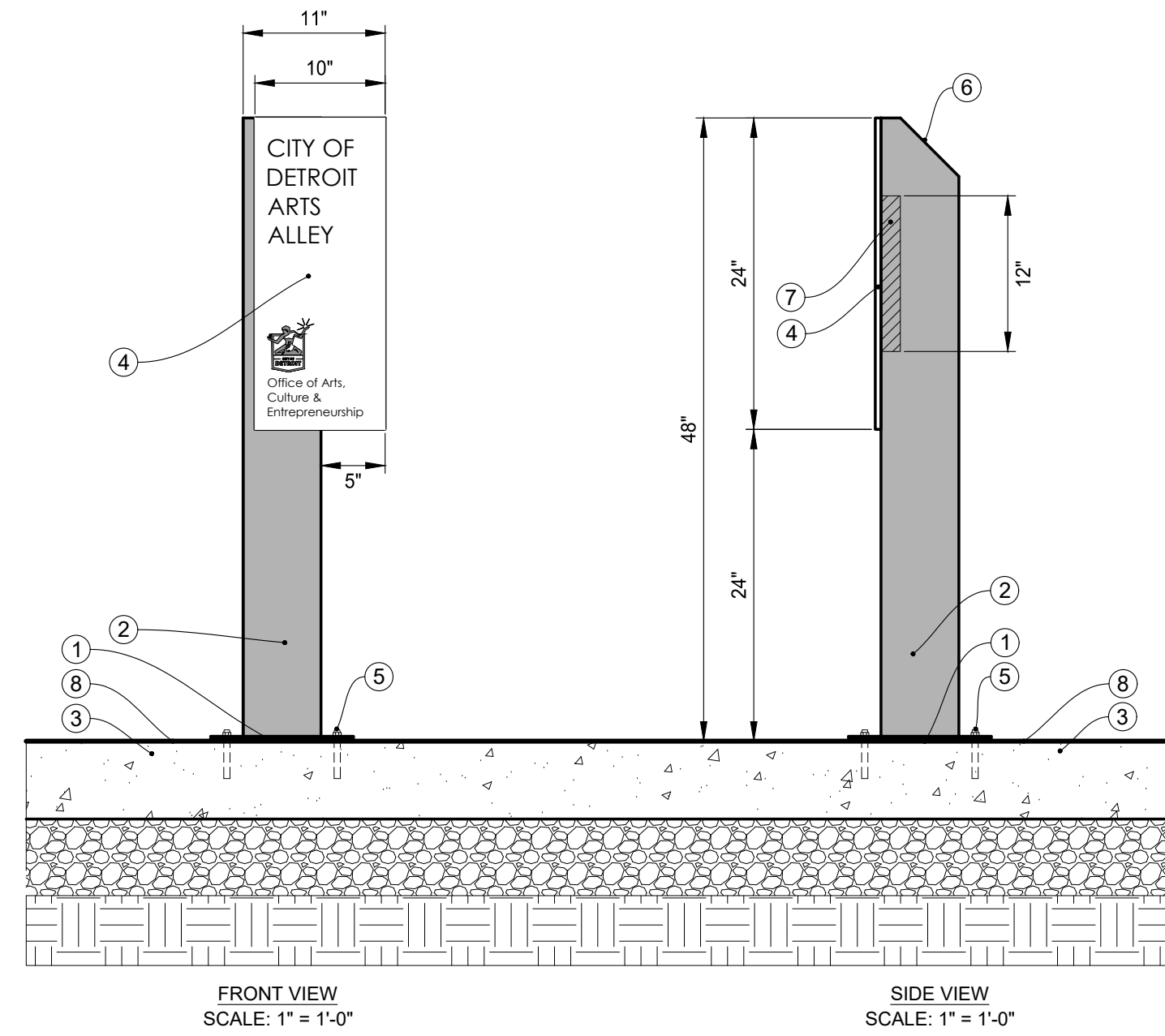
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DATE
12/22/2010

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

SHEET
C13

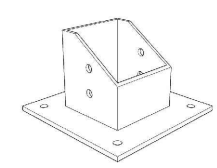


06

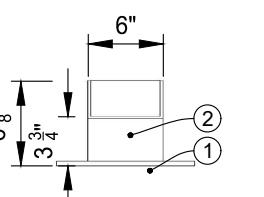
ARTS ALLEY STANDARD SIGN STEEL POST SURFACE MOUNT
NOT TO SCALE

- 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

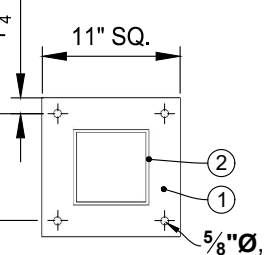
- 11" SQ. BLACKEND STEEL BASE-PLATE, 3/8" THICKNESS.
- 6" X 6" BLACKENED STEEL SQUARE TUBING, 3/8" WALL THICKNESS
- CONCRETE PAVEMENT (THICKNESS VARIES)
- 6 GAUGE BLACKENED STEEL PANEL ARTS ALLEY SIGN - CITY OF DETROIT STANDARD SIGNAGE ART. WELD TO STEEL POST W/ANGLE BRACKET
- STAINLESS-STEEL CONCRETE 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



ISOMETRIC VIEW
SCALE: NO SCALE



FRONT ELEVATION VIEW
SCALE: NO SCALE



PLAN VIEW
SCALE: NO SCALE

- 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

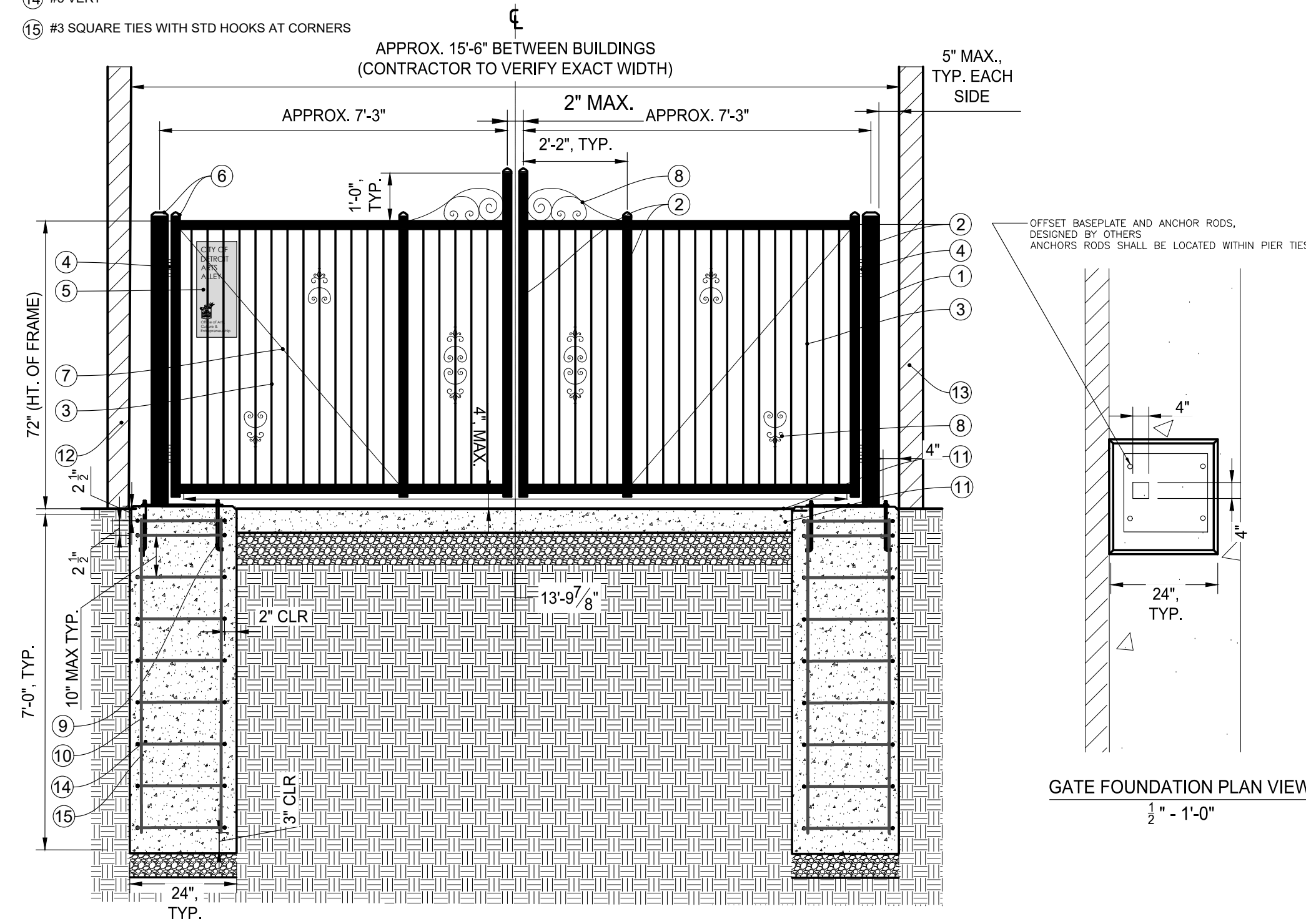
STEEL SURFACE MOUNT BOLLARD BASE DETAIL
SCALE: AS NOTED

07

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

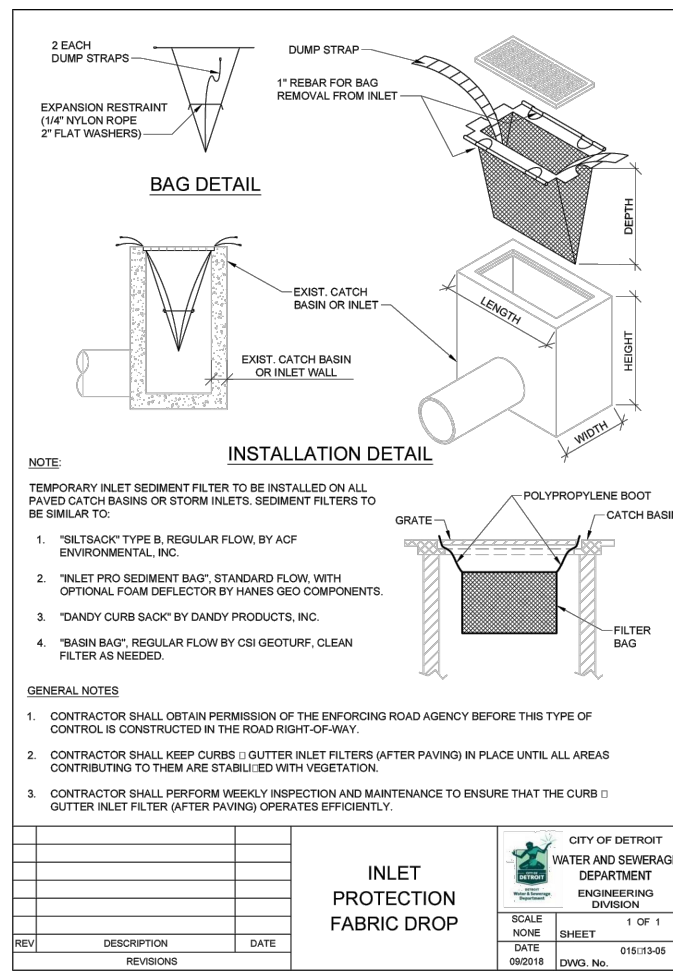
- NOTES:
- PROPOSED DECORATIVE STEEL GATE SHALL MATCH EXISTING DECORATIVE STEEL GATE AT OPPOSITE END OF ALLEY FABRICATED AND INSTALLED BY DETROIT FENCE CO. (313-885-5339)
 - DETAIL DRAWING BELOW APPROXIMATELY REPRESENTS EXISTING GATE TO BE MATCHED, AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR 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



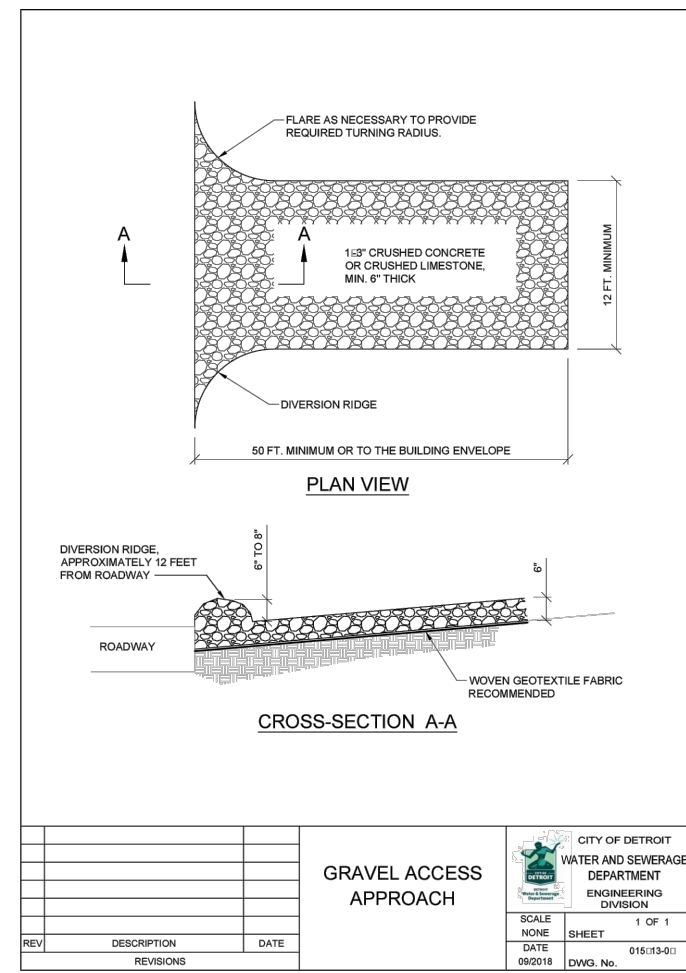
08

DECORATIVE STEEL GATE 72 IN HT
NOT TO SCALE

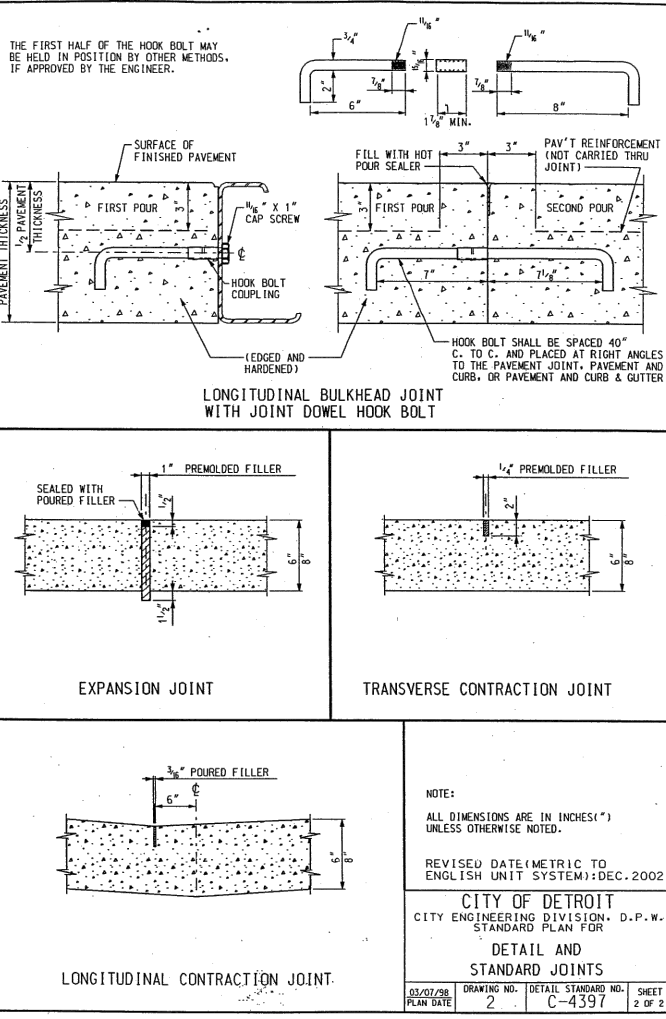
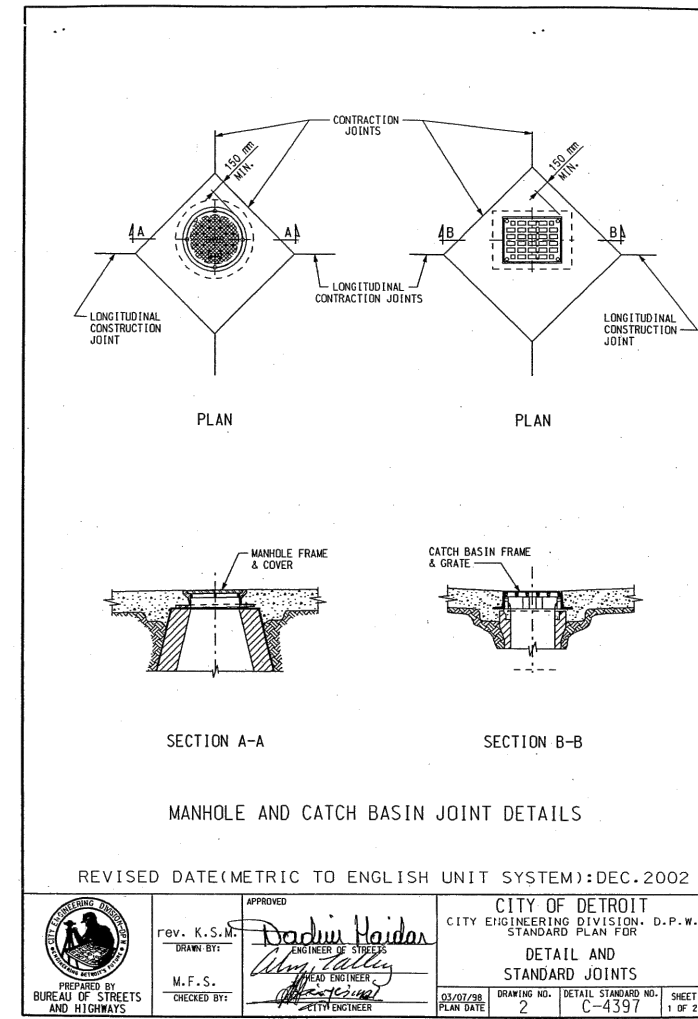
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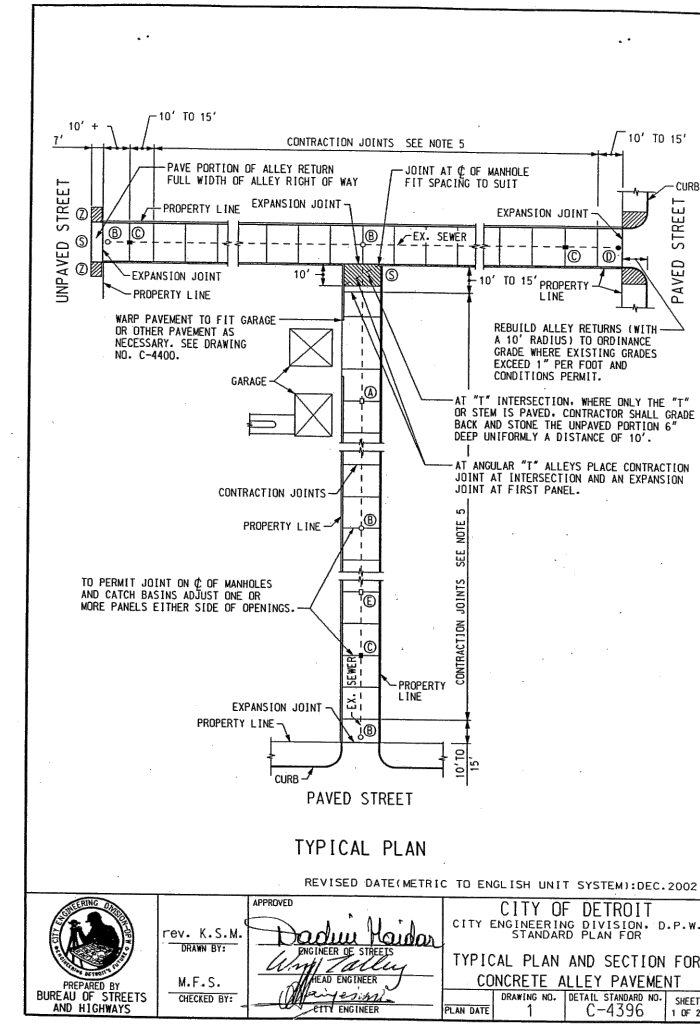
09 INLET FILTER NOT TO SCALE



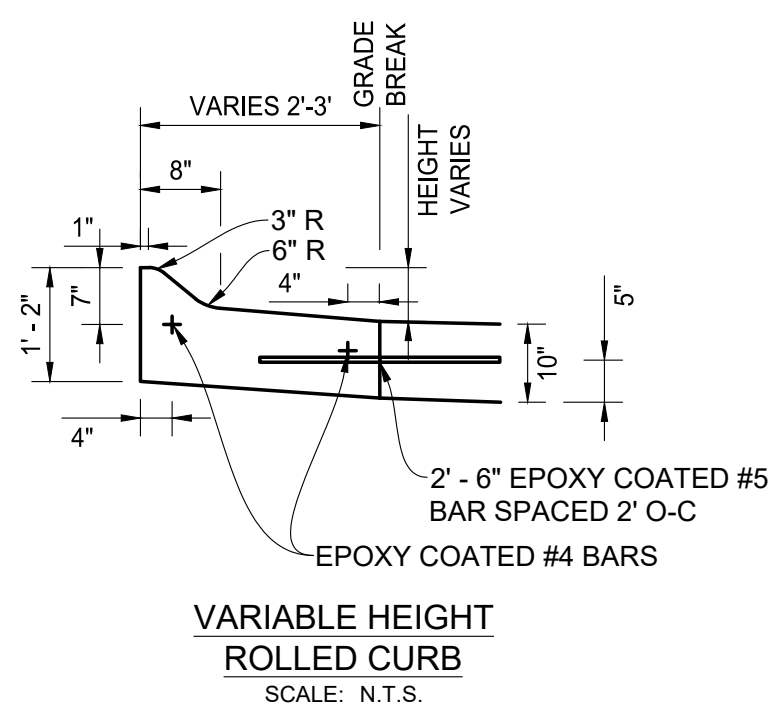
10 AGGREGATE TRACKING MAT NOT TO SCALE



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



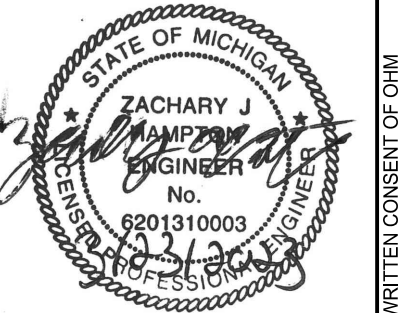
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P (313) 481-1250

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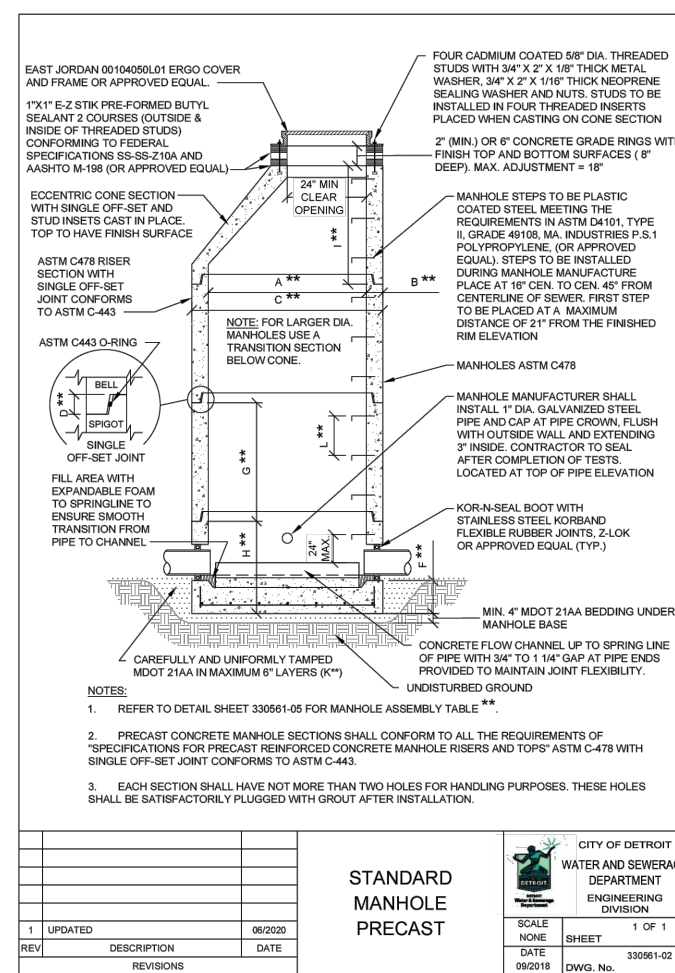
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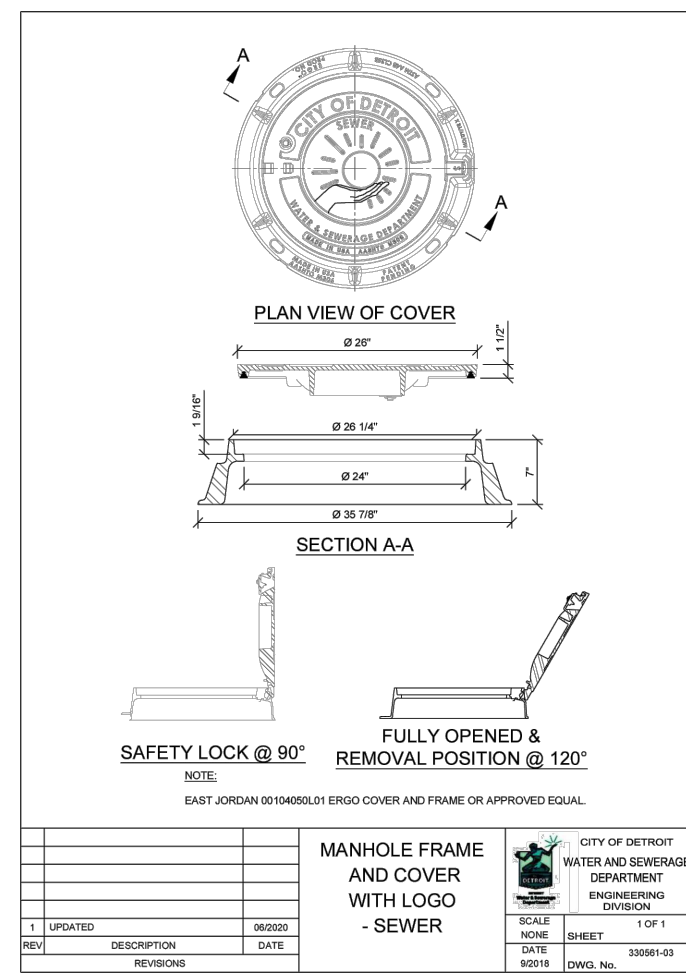
CITY OF DETROIT
ART ALLEYS - PHASE 1
SITE/CIVIL DETAILS

C14

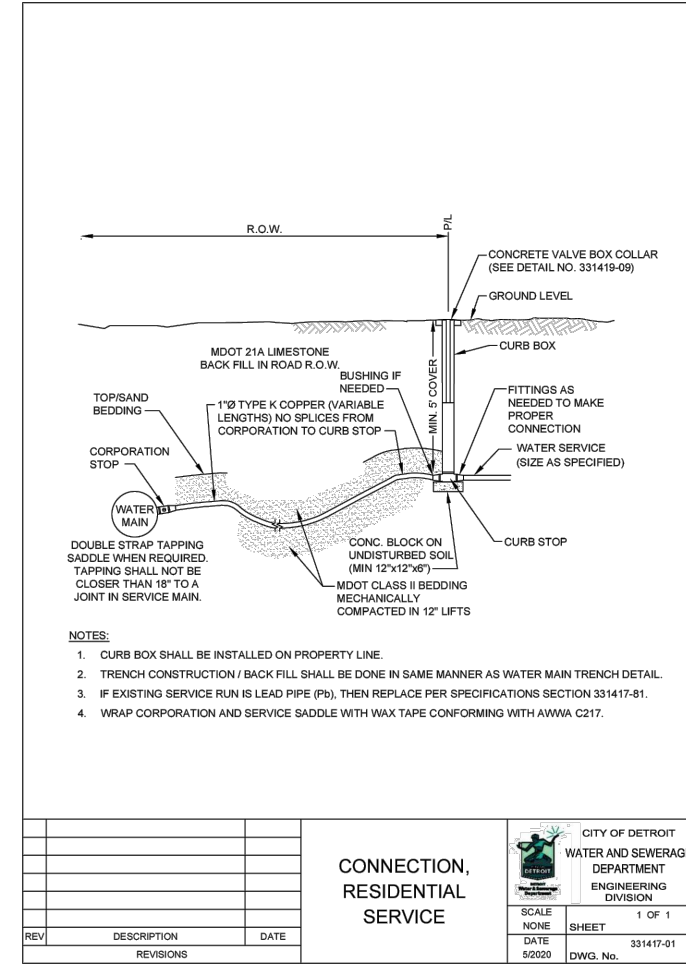
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50 MANHOLE PRECAST
NOT TO SCALE



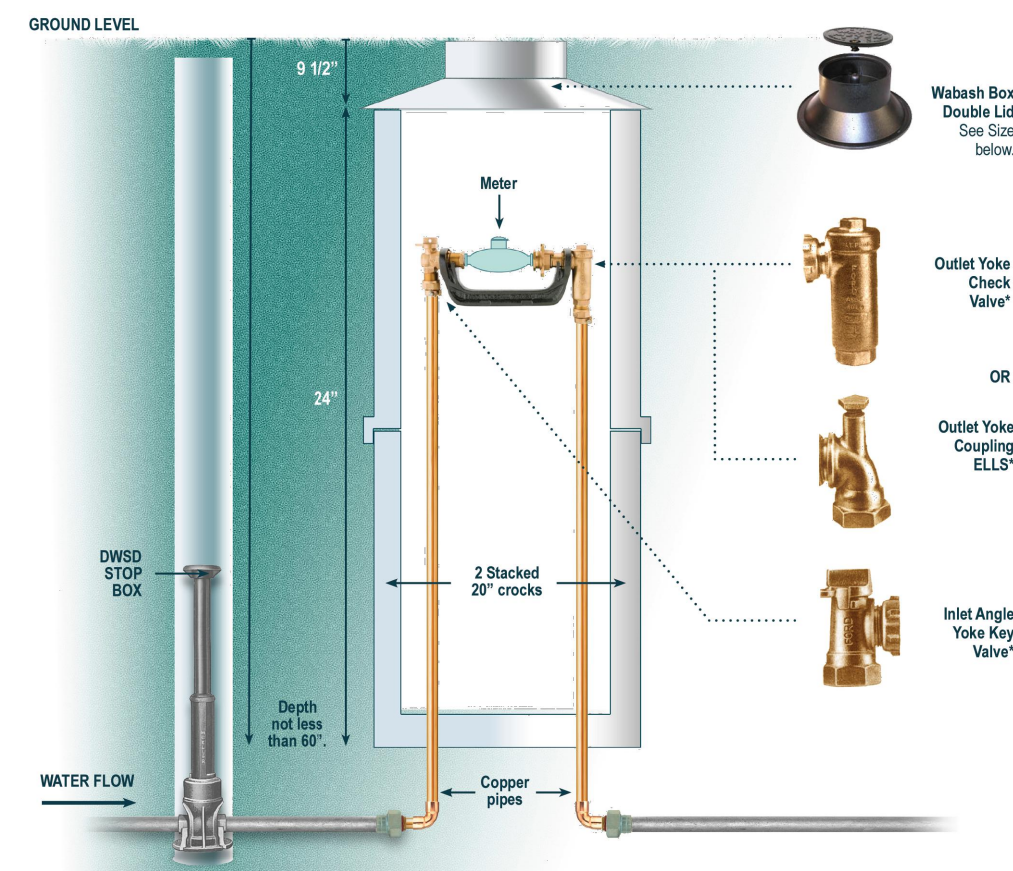
51 MANHOLE CASTING
NOT TO SCALE



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.



| METER | METER | VALVES | CORPLINGS |
|----------|---------------|--------------|--------------|
| 5/8 INCH | 7 1/2 INCHES | 3/4 INCH | 3/4 INCH |
| 3/4 INCH | 9 INCHES | 1 INCH | 1 INCH |
| 1 INCH | 10 3/4 INCHES | 1 1/4 INCHES | 1 1/4 INCHES |

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



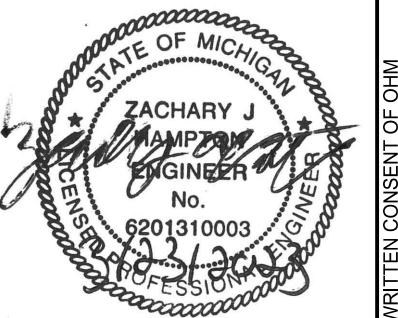
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DATE
12/22/2010

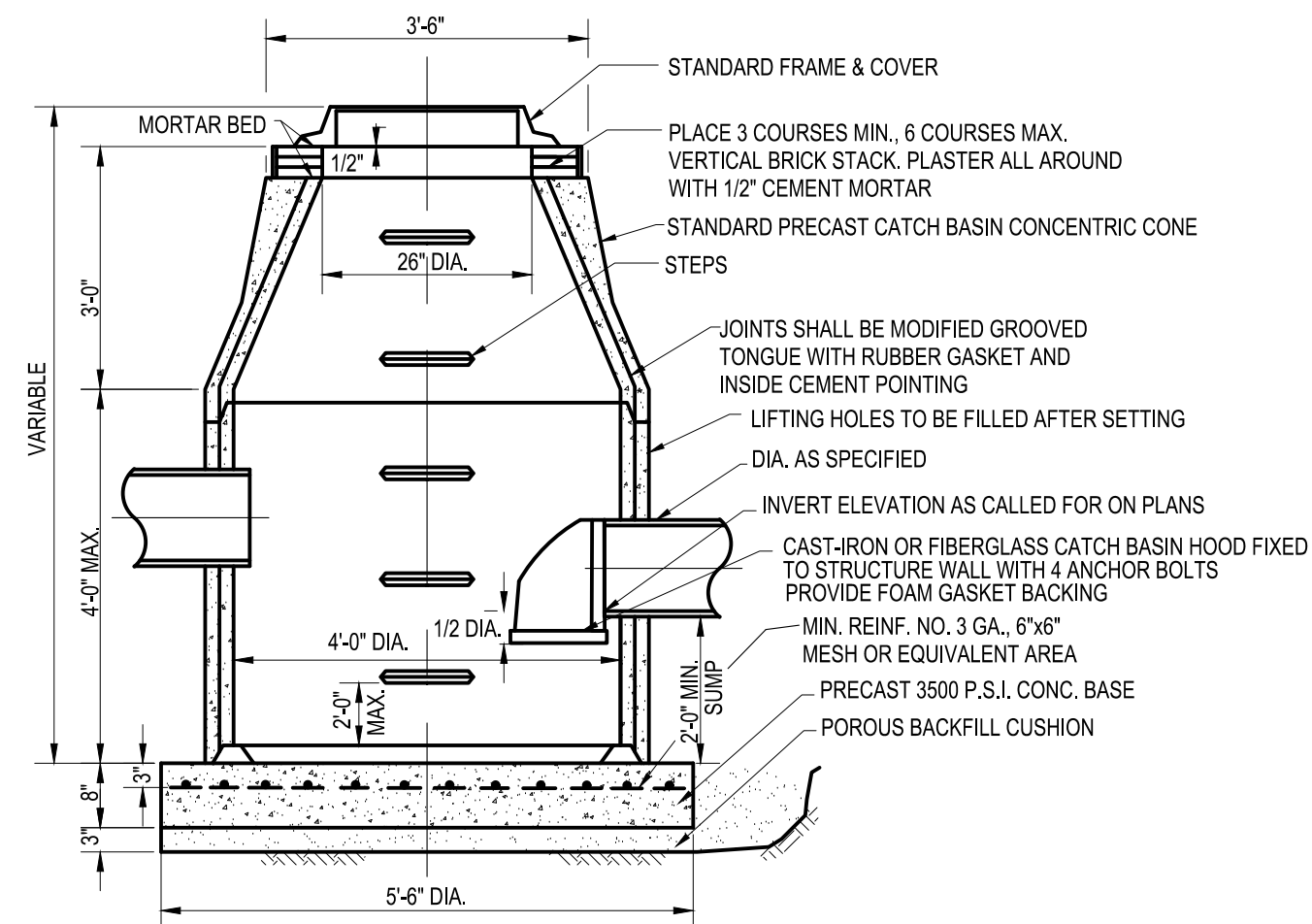
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244

SHEET

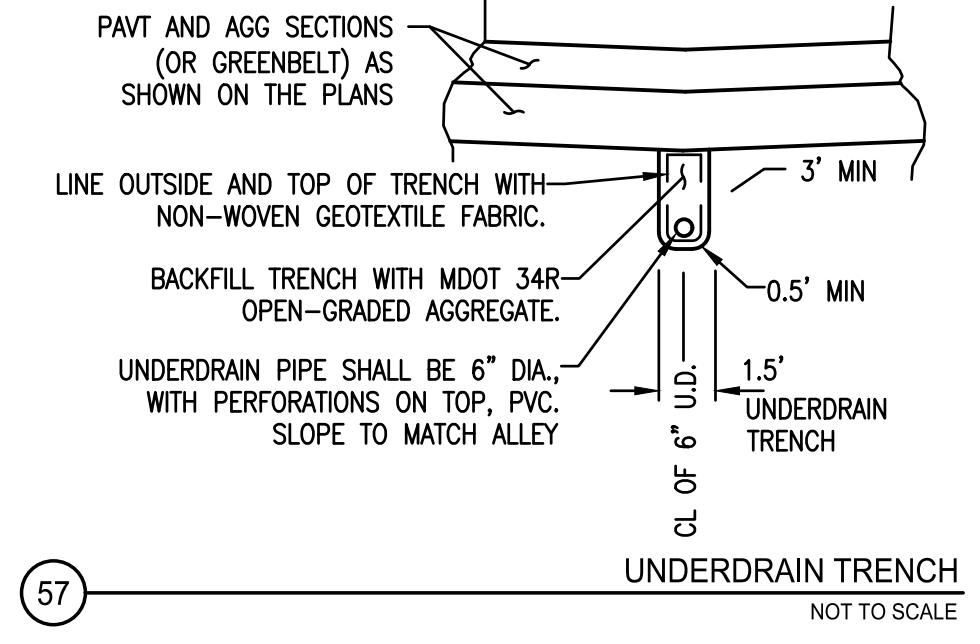
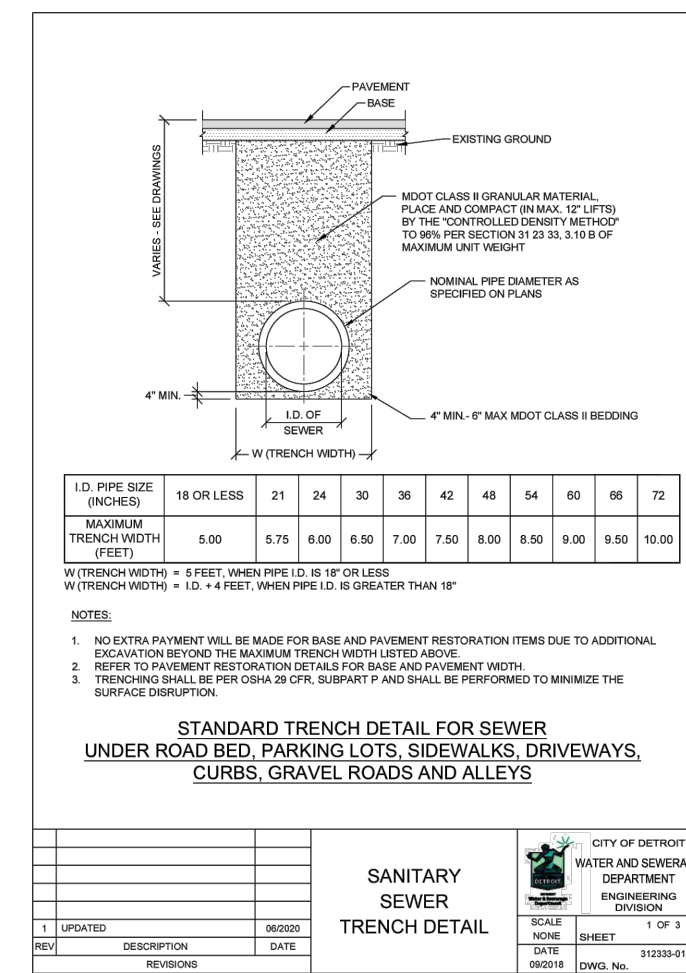
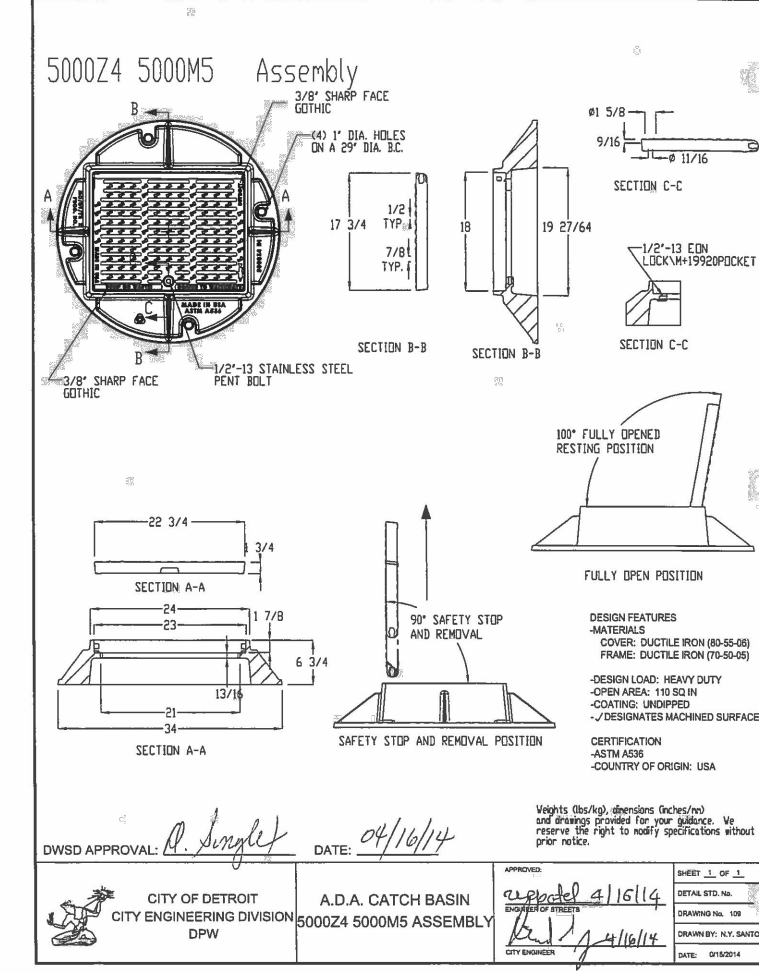
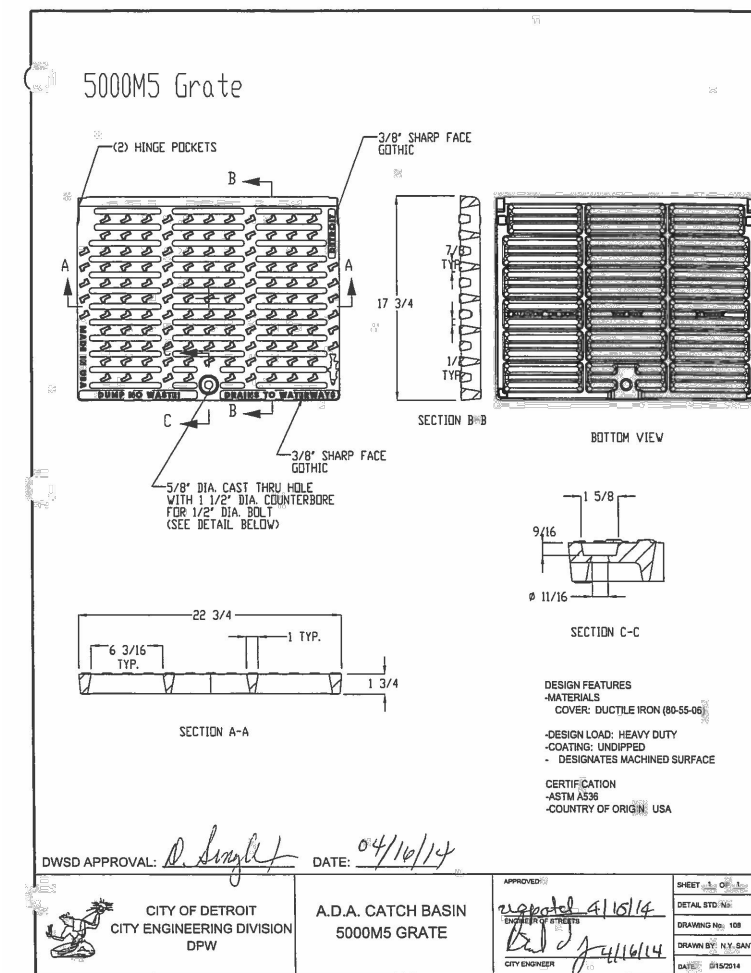
CITY OF DETROIT
ART ALLEYS - PHASE 1
UTILITY DETAILS

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CROSS-SECTION
CATCH BASIN



54

TRAPPED CATCH BASIN
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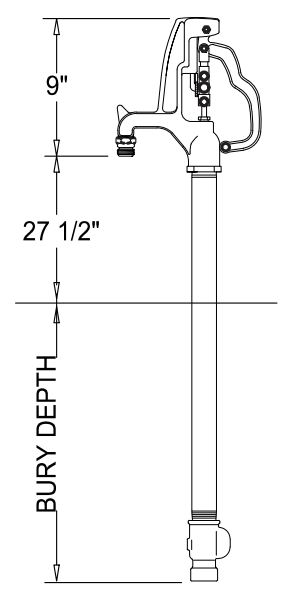
55

CATCH BASIN COVER - ADA
NOT TO SCALE

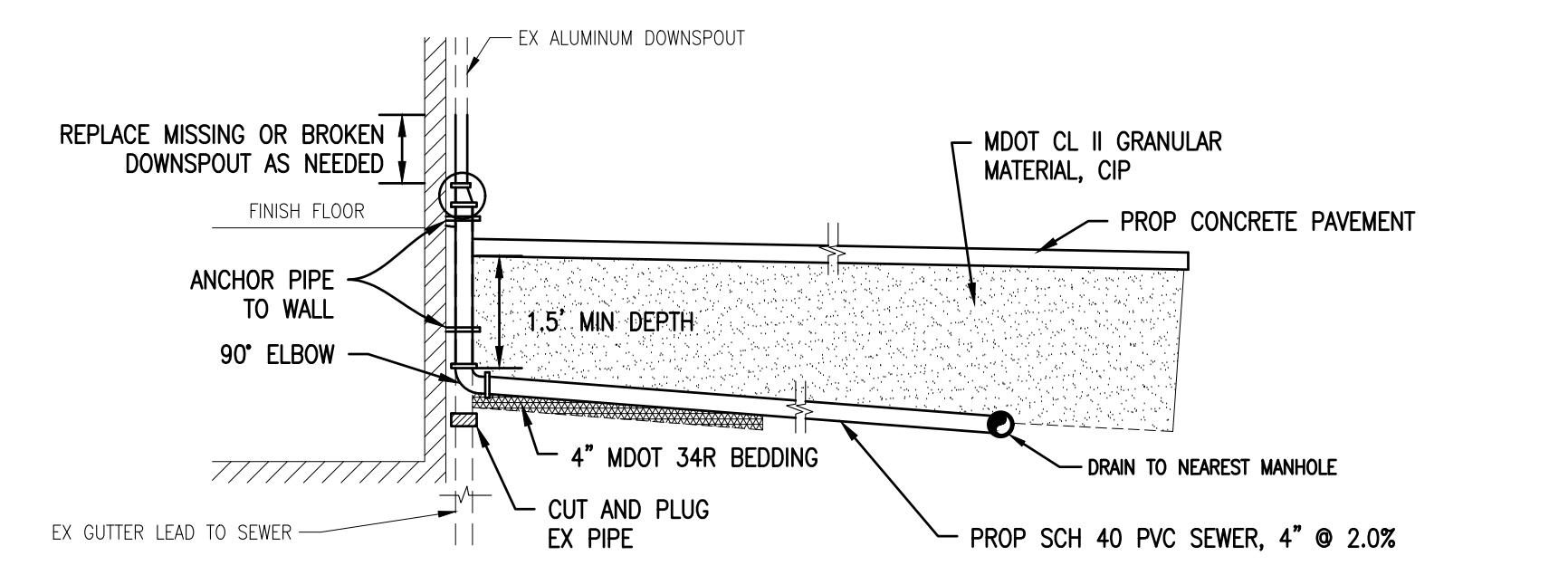
56

SANITARY TRENCH
NOT TO SCALE

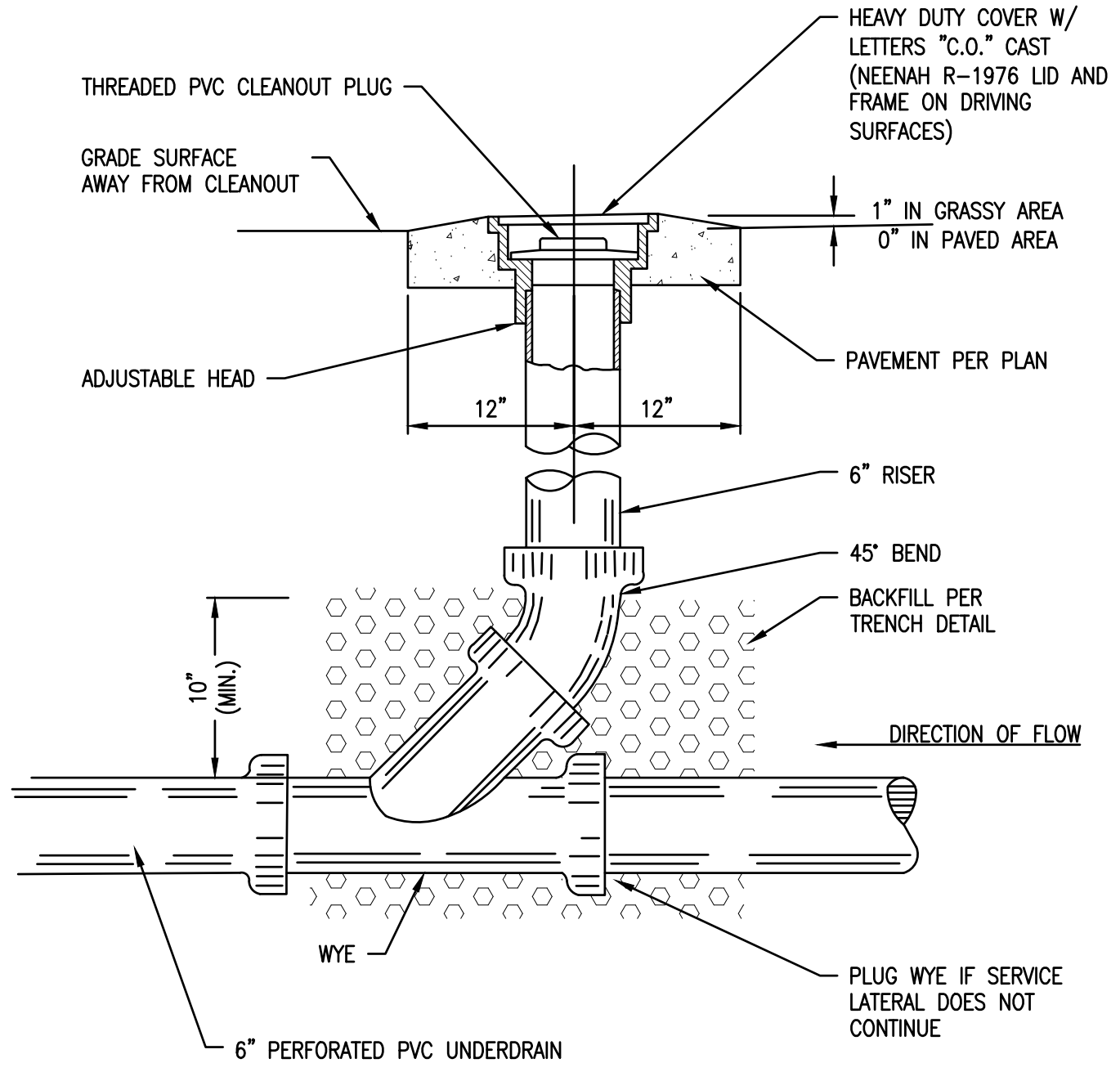
- NOTES:
- FREEZELESS YARD HYDRANT; WOODFORD MODEL Y1-Y34 OR EQUIVALENT
 - 6" BURY DEPTH
 - 3/4" OR 1" NOZZLE DIELECTRIC UNION B/W GALVANIZED STEEL AND COPPER



YARD HYDRANT
NOT TO SCALE



DOWNSPOUT DISCONNECTION
NOT TO SCALE



UNDERDRAIN CLEANOUT
NOT TO SCALE

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