

CONSTRUCTION DATA

PRIME CONTRACTOR:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

MAJOR SUBCONTRACTORS AND/OR SUPPLIERS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

WORK COMMENCED \_\_\_\_\_

WORK COMPLETED \_\_\_\_\_

PROJECT ENGINEER

\_\_\_\_\_  
 \_\_\_\_\_

ALL CONSTRUCTION PERFORMED UNDER THIS CONTRACT HAS BEEN COMPLETED IN FULL CONFORMITY WITH THE DRAWINGS, NOTES AND SPECIFICATIONS CONTAINED IN THESE PLANS ALL CHANGES FROM PLANS AS BID, HAVE BEEN NOTED.

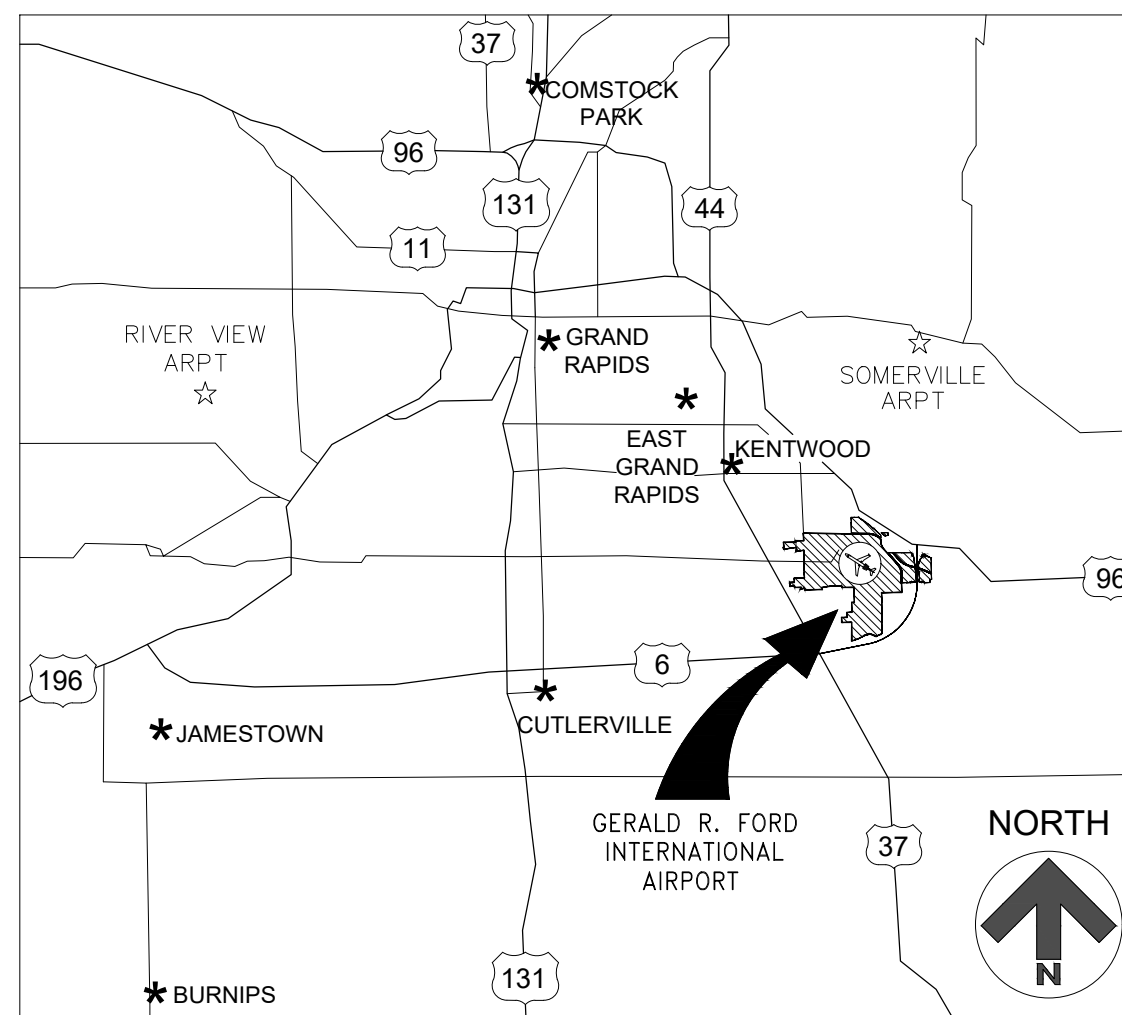
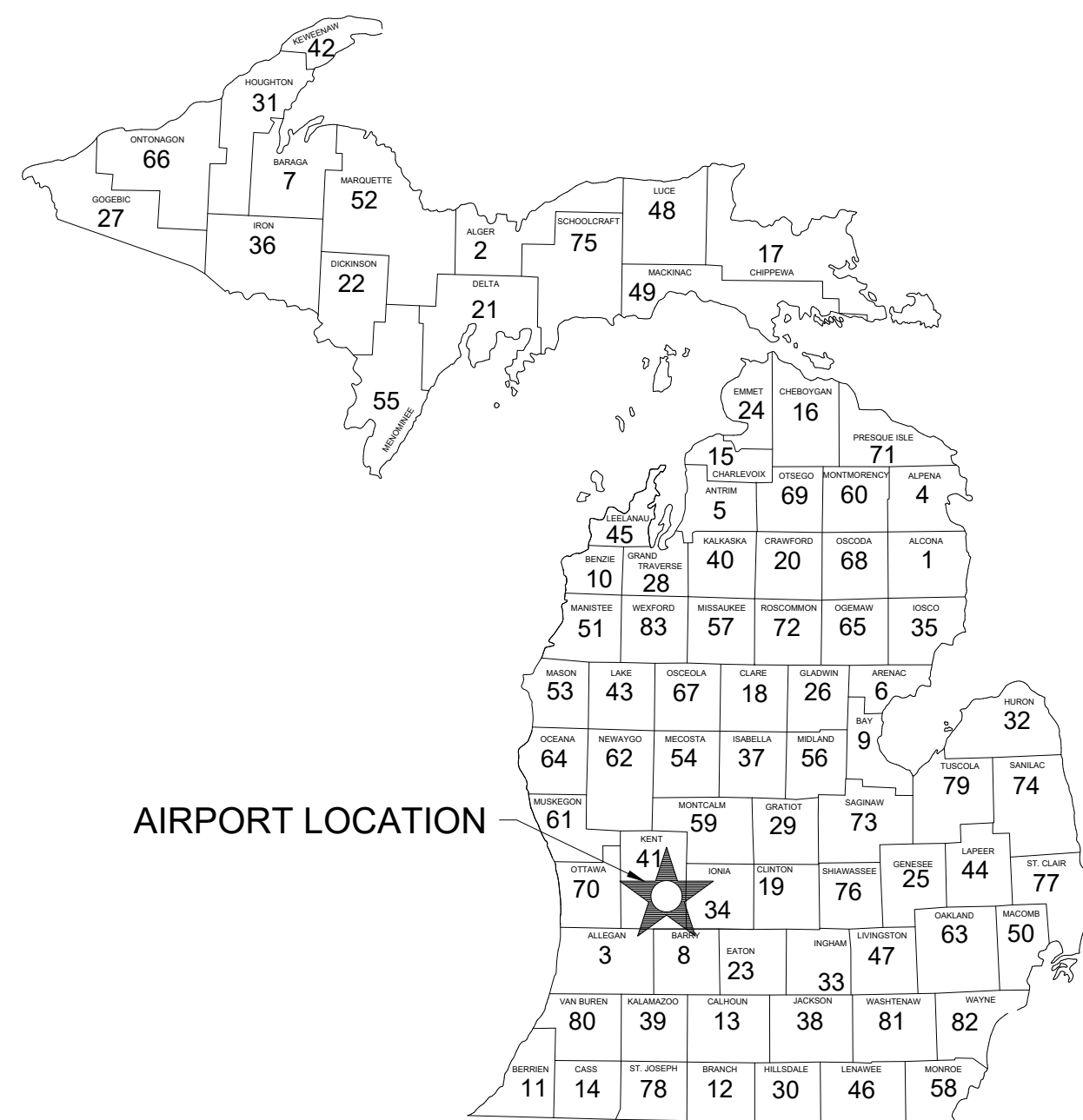
( Certified ) \_\_\_\_\_ PROJECT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

# GERALD R. FORD INTERNATIONAL AIRPORT

KENT COUNTY  
 GRAND RAPIDS, MICHIGAN

## RELOCATE CELL PHONE LOT

BID DOCUMENTS  
 APRIL 2025



VICINITY MAP

**THIS DOCUMENT SHOULD BE PRINTED IN COLOR**  
 IMPORTANT DESIGN INFORMATION MAY NOT BE CORRECTLY INTERPRETED NOR EASILY DECIPHERED IF PRINTED IN GRAYSCALE.

Project Description:  
 RELOCATE CELL PHONE LOT

Airport Type:  
 AIR CARRIER

Airport:  
 GERALD R. FORD INTERNATIONAL AIRPORT

| SHEET NUMBER | INDEX OF SHEETS  | LATEST REVISION DATE |
|--------------|--|----------------------|
| G001         | COVER SHEET  |                      |
| G010         | SUMMARY OF QUANTITIES                                    |                      |
| G020         | CONTRACT LAYOUT PLAN                                     |                      |
| G030         | SAFETY AND SECURITY NOTES AND DETAILS                    |                      |
| G040         | CONSTRUCTION SAFETY AND PHASING PLAN                     |                      |
| G041         | MAINTENANCE OF TRAFFIC PLAN                              |                      |
| G050         | HORIZONTAL AND VERTICAL CONTROL PLAN                     |                      |
| G060         | SOIL EROSION AND SEDIMENTATION CONTROL PLAN              |                      |
| G061         | SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS |                      |
| C101         | DEMOLITION PLAN  |                      |
| C201         | SITE PLAN  |                      |
| C210         | TYPICAL PAVEMENT SECTION AND JUNCTURE DETAILS            |                      |
| C220         | TYPICAL JOINTING DETAILS                                 |                      |
| C701         | PAVEMENT MARKING & SIGNAGE PLAN                          |                      |
| C710         | PAVEMENT MARKING & SIGNAGE DETAILS                       |                      |

**MISS DIG System, Inc.**  
 1-800-482-7171



DESIGNERS & CONSULTANTS



R S & H MICHIGAN, INC.  
 436 South Main Street  
 Plymouth, Michigan 48170  
 PH: (734) 456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com

DESIGNER'S CERTIFICATION

IN COMPLIANCE WITH THE SPONSOR'S UNITED STATES CODE, TITLE 49 CERTIFICATION, THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT F.A.A. STANDARDS, IDENTIFIED IN F.A.R. PART 152.11 AND / OR STANDARDS OF THE MICHIGAN AERONAUTICS COMMISSION PREVIOUSLY APPROVED BY THE F.A.A. ANY DEVIATIONS FROM THE F.A.A. OR M.A.C. STANDARDS WHERE APPROVED BY F.A.A. LETTER DATED \_\_\_/\_\_\_/\_\_\_ AND ARE DISCUSSED IN THE ENGINEERING REPORT ACCOMPANYING THESE PLANS.

CERTIFIED \_\_\_\_\_ ALEX P. DEHAAN, P.E. - ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT  
 EXECUTION\03.05 CAD\GRR-CELL-G010.DWG



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD  
 INTERNATIONAL  
 AIRPORT**

**RELOCATE CELL  
 PHONE LOT**



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003  
 GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

SHEET TITLE

**SUMMARY OF  
 QUANTITIES**

SHEET NUMBER

**G010**

**BID  
 DOCUMENTS**

| CONSTRUCTION ITEMS |  |       |              |               |   |                |
|--------------------|--|-------|--------------|---------------|---|----------------|
| ITEM NUMBER        | ITEM DESCRIPTION   | UNIT  | BID QUANTITY | CHANGE ORDERS |   | FINAL QUANTITY |
|                    |  |       |              | 1             | 2 |                |
| SP-01              | Contractor Quality Control Plan (CQCP)                                   | LSUM  | 1            |               |   |                |
| SP-02              | Reimbursed Utility Modifications   | ALLOW | 1            |               |   |                |
| 110-1              | Mobilization, Max (10%)  | LSUM  | 1            |               |   |                |
| 204-1              | Curb and Gutter, Rem   | LFT   | 110          |               |   |                |
| 204-2              | Pavt, Rem  | SYD   | 25           |               |   |                |
| 204-3              | Sidewalk, Rem  | SFT   | 250          |               |   |                |
| 204-4              | Fence, Rem   | LFT   | 55           |               |   |                |
| 205-1              | Subgrade Undercutting, Type IV   | CYD   | 50           |               |   |                |
| 208-1              | Erosion Control, Silt Fence  | LFT   | 55           |               |   |                |
| 208-2              | Erosion Control, Inlet Protection, Fabric Drop                           | EACH  | 8            |               |   |                |
| 308-1              | Geotextile, Separator, Non-Woven   | SYD   | 140          |               |   |                |
| 801-1              | Driveway, Reinf. Conc., 6-inch, Including Aggregate Base                 | SYD   | 110          |               |   |                |
| 802-1              | Curb and Gutter, Conc., Integral, Det F4, including Aggregate Base       | LFT   | 100          |               |   |                |
| 810-1              | Post-Mounted Road Sign, Type IIIA, 24-inch x 24-inch, including Supports | EACH  | 1            |               |   |                |
| 811-1              | Pavt Mrkg, Rem.  | SFT   | 750          |               |   |                |
| 812-1              | Project Safety & Maintenance of Traffic                                  | LSUM  | 1            |               |   |                |
| 816-1              | Misc. Hydroseed, Mixture Turf with Fertilizer, Wood Fiber Mulch, Topsoil | ACRE  | 0.25         |               |   |                |
| 824-1              | Contractor Survey and Stakeout   | LSUM  | 1            |               |   |                |



| REVISIONS |             |      |
|-----------|-------------|------|
| NO.       | DESCRIPTION | DATE |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003  
 GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

SHEET TITLE

**CONTRACT LAYOUT PLAN**

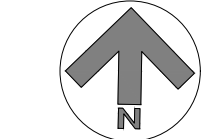
SHEET NUMBER  
**G020**

BID DOCUMENTS

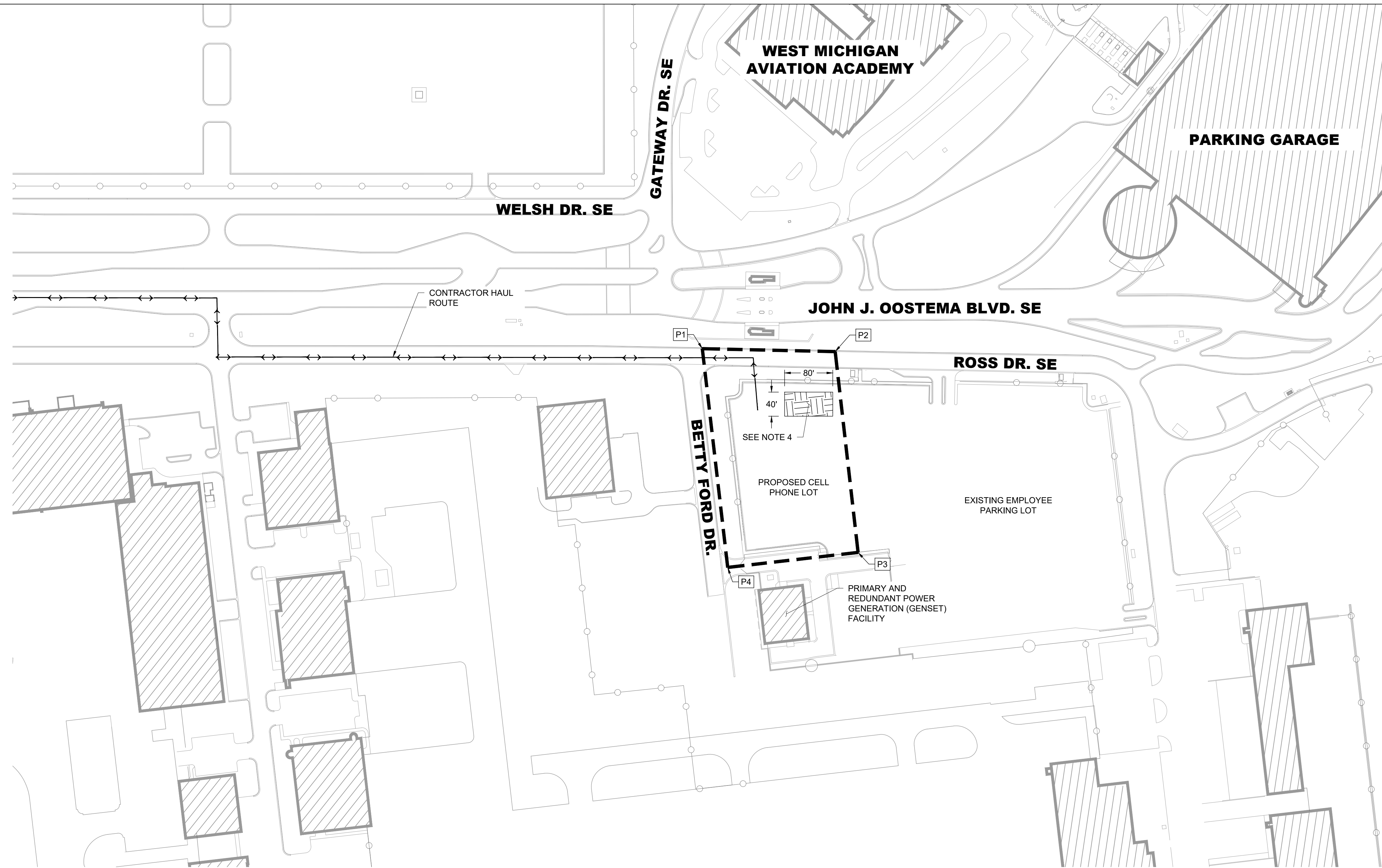
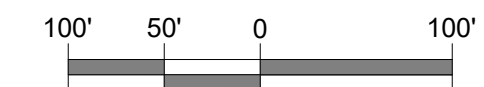
**LEGEND:**

- EXISTING BUILDING
- PROPOSED WORK LIMITS
- CONTRACTOR STAGING AND PARKING AREA
- HAUL ROUTE
- PROJECT LIMIT COORDINATE POINT

NORTH



SCALE IN FEET



**GENERAL CONTRACT NOTES:**

- HAUL ROUTES:** LOCATION OF HAUL ROUTES ON THE AIRPORT SITE MUST BE AS SPECIFIED ON THE PLANS OR AS APPROVED BY THE RESIDENT PROJECT REPRESENTATIVE (RPR) AND COORDINATED WITH THE AIRPORT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE.  
  
ON-SITE HAUL ROUTES MUST BE MAINTAINED BY THE CONTRACTOR AND WILL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTE AREAS WILL BE JOINTLY INSPECTED AND BY THE CONTRACTOR AND THE RPR. ALL COSTS RELATED TO THE MAINTENANCE, AND RESTORATION OF HAUL ROUTE AREAS SHALL BE INCIDENTAL TO THE MOBILIZATION PAY ITEM.
- WASTE DISPOSAL:** ALL PAVEMENT MILLINGS, RUBBLE, AND ALL OTHER DEBRIS MUST BE DISPOSED OF OFF AIRPORT PROPERTY IN CONFORMANCE WITH ALL LOCAL AND STATE LAWS. SEE SOIL AND SEDIMENTATION CONTROL NOTES (G061) FOR DISPOSAL INFORMATION OF EXCESS SOIL.
- CONTRACTOR UTILITIES:** STAGING AREAS DO NOT HAVE UTILITIES. ANY UTILITIES REQUIRED BY THE CONTRACTOR, MUST BE COORDINATED WITH THE UTILITY COMPANIES AND SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.  
  
THE CONTRACTOR WILL BE RESPONSIBLE FOR TEMPORARY RESTROOM FACILITIES FOR ALL CONTRACTOR AND SUBCONTRACTOR PERSONNEL. AT NO TIME WILL THE CONTRACTOR BE ALLOWED TO UTILIZE AIRPORT OR TENANT RESTROOM FACILITIES. TEMPORARY RESTROOM FACILITIES MUST BE LOCATED IN THE CONTRACTOR STAGING AREA, UNLESS OTHERWISE APPROVED BY THE AIRPORT.
- CONTRACTOR STAGING AREAS:** THE CONTRACTOR MAY USE THE PROPOSED CELL PHONE LOT AREA AS A STAGING AND PARKING AREA. STAGING AND PARKING AREAS ARE SUBJECT TO ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS, SEE SHEET G030. THE CONTRACTOR SHALL PROTECT ALL EXISTING PAVEMENT WITHIN THE STAGING AREA. ANY DAMAGE CAUSED TO THE EXISTING PAVEMENT NOT CALLED TO BE IMPACTED SHALL BE RESTORED TO ITS PREVIOUS CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACT LAYOUT PLAN:** THIS PLAN IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND APPROXIMATE LOCATIONS AND LIMITS FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE WORK. IT MUST NOT BE USED AS A CONSTRUCTION PLAN. REFER TO PLAN SHEETS WHICH FOLLOW FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
- SAFETY AND PHASING:** THE CONTRACTOR MUST COMPLY WITH THE SAFETY AND PHASING PLAN (SHEET G040), THE AIRPORT SAFETY REQUIREMENTS SECTIONS ON SHEET G030, AND THE SPECIFICATIONS. THESE WILL BE STRICTLY ENFORCED.
- COMPLETION OF WORK:** UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL TEMPORARY FACILITIES, SURPLUS MATERIAL, AND EQUIPMENT BELONGING TO THEM OR THEIR SUBCONTRACTOR'S FORCES. PRIOR TO REMOVAL FROM AIRPORT PROPERTY OF SURPLUS MATERIALS, THE CONTRACTOR MUST OBTAIN WRITTEN PERMISSION OF THE OWNER.
- PRE-CONSTRUCTION CONFERENCE:** THE CONTRACTOR MUST ATTEND A PRE-CONSTRUCTION CONFERENCE PRIOR TO BEGINNING WORK TO COORDINATE WORK PROCEDURES WITH ALL INTERESTED PARTIES. THE CONTRACTOR MUST ALSO ATTEND ANY JOB MEETINGS CALLED BY THE OWNER.
- PERMITS:** IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE, OBTAIN, AND PAY FOR ALL APPLICABLE PERMITS FOR CONSTRUCTION AND EQUIPMENT. THIS SHALL INCLUDE ALL COSTS RELATED TO PERMITS REQUIRED FOR SOIL EROSION AND SEDIMENTATION CONTROL, NPDES, DEMOLITION, ETC. ALL FEES SHALL BE INCLUDED IN ITEM 110-1 "MOBILIZATION".

| PROJECT LIMITS - COORDINATE TABLE |                  |                  |
|-----------------------------------|------------------|------------------|
| POINT                             | LATITUDE         | LONGITUDE        |
| P1                                | N042° 53' 00.83" | W085° 32' 06.87" |
| P2                                | N042° 53' 00.86" | W085° 32' 03.91" |
| P3                                | N042° 52' 57.58" | W085° 32' 03.23" |
| P4                                | N042° 52' 57.26" | W085° 32' 06.13" |

PLOTTED ON: 2/13/2023  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085\_GRR\_CELL\_LOT03.DWG  
 EXECUTION: 03.05 CAD\G\GRR-CELL-G020.DWG  
 PLOTTED BY: DILLBERM



**AIRPORT'S SAFETY AND SECURITY REQUIREMENTS**

**SAFETY:**

1. THE CONTRACTOR MUST ACQUAINT HIS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITY AND OPERATIONS THAT ARE INHERENT TO THIS AIRPORT AND CONDUCT THE CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY REQUIREMENTS AND GUIDELINES ON SAFETY AS SPECIFIED IN NOTE NO. 4 BELOW. ALL CONTRACTOR CONSTRUCTION COMMUNICATIONS WITH GERALD R. FORD INTERNATIONAL AIRPORT AUTHORITY (GFIAA) OPERATIONS OR ADMINISTRATION MUST BE VIA AIRPORT COMMUNICATIONS: 818-233-6000 OR AS DIRECTED BY GFIAA STAFF. THIS NUMBER SHOULD BE USED IN CASE OF EMERGENCIES AS WELL. CONTRACTOR MUST PROVIDE GFIAA AND THE ENGINEER WITH A CONTACT NUMBER FOR THE ON-SITE SUPERVISOR THAT CAN BE REACHED 24 HOURS A DAY, SEVEN DAYS A WEEK. THE SUPERVISOR SHALL HAVE AUTHORITY TO MAKE DECISIONS IN RESOLVING ANY EMERGENCY OR OTHER ISSUES.
2. OPEN FLAME WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE IS APPROVED AND A HOT WORK PERMIT IS OBTAINED FROM GFIAA.
3. DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT ARE NOT ALLOWED ON ACTIVE AIRCRAFT OPERATING SURFACES. IF THESE MATERIALS ARE OBSERVED TO BE ON ACTIVE AIRCRAFT OPERATING SURFACES, THE CONTRACTOR MUST INFORM GFIAA OPERATIONS IMMEDIATELY. DEBRIS, WASTE AND LOOSE MATERIAL WILL BE REMOVED IMMEDIATELY AND/OR CONTINUOUSLY DURING CONSTRUCTION BY USE OF VACUUM TRUCK (SEE SAFETY NOTE 5 BELOW).
4. CONSTRUCTION DURING THE PROJECT MAY BE HALTED AT ANY TIME BY THE RPR OR ENGINEER IF IT IS DETERMINED TO BE IN THE BEST INTEREST OF AIRPORT OPERATIONS OR SAFETY. THE CONTRACTOR MAY BE DIRECTED TO REMOVE EQUIPMENT AND/OR EVACUATE THE SITE. NECESSARY EXTENSIONS IN CONTRACT TIME WILL BE GRANTED OR A STOP WORK ORDER WILL BE ISSUED DUE TO THESE DELAYS. HOWEVER, THERE WILL BE NO ADJUSTMENTS IN CONTRACT COST DUE TO THESE DELAYS.
5. THE CONTRACTOR SHALL PROVIDE A FULLY OPERATIONAL, SELF-CONTAINING VACUUM TRUCK. THE VACUUM TRUCK MUST BE AVAILABLE FOR THE DURATION OF THE PROJECT AND WITH AN OPERATOR AT THE DISCRETION OF THE ENGINEER TO VACUUM PAVEMENT AREAS ADJACENT TO THE CONSTRUCTION AREAS TO ENSURE NO FOREIGN OBJECT DEBRIS IS PRESENT ON PAVEMENTS WITHIN 500 FEET OF ANY CONSTRUCTION AREA. THE COST OF THE VACUUM TRUCK MUST BE INCLUDED IN THE SAFETY AND SECURITY BID ITEM.
6. FAILURE TO COMPLY WITH ANY OF THE SAFETY AND SECURITY REQUIREMENTS MAY RESULT IN ANY OR ALL OF THE FOLLOWING ACTIONS:
  - PROJECT SHUT DOWN
  - REMOVAL FROM AIRPORT (PERSONNEL AND/OR EQUIPMENT)
  - FINES, IN ACCORDANCE WITH AIRPORT RULES AND REGULATIONS
7. THE CONTRACTOR'S EQUIPMENT STORAGE AREA MUST BE WITHIN THE CONSTRUCTION SITE OR WITHIN THE STAGING AREA AS SHOWN ON THE CONTRACT LAYOUT. THE CONTRACTOR'S EQUIPMENT AND CONSTRUCTION VEHICLES ARE RESTRICTED TO THE CONSTRUCTION SITE OR STORAGE AREAS DURING CONSTRUCTION AND PARKED IN THE STAGING AREA DURING NON-WORKING PERIODS. EQUIPMENT HEIGHT MUST NOT EXCEED 25 FEET; EQUIPMENT USED DURING PAVER ASSEMBLY CAN NOT EXCEED 25 FEET IN HEIGHT.

**SECURITY:**

1. ACCESS TO THE SITE: CONTRACTOR'S ACCESS TO THE SITE MUST BE AS SHOWN ON THE PLANS. NO OTHER ACCESS POINTS ARE ALLOWED UNLESS APPROVED BY GFIAA. ALL CONTRACTOR TRAFFIC AUTHORIZED TO ENTER THE SITE MUST BE EXPERIENCED IN THE ROUTE OR GUIDED BY CONTRACTOR PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON THE SITE, AND FOR THE OPERATION AND SECURITY OF ACCESS TO THE SITE. A CONTRACTOR'S FLAGPERSON OR TRAFFIC CONTROL PERSON MUST MONITOR AND COORDINATE ALL CONTRACTOR TRAFFIC AT THE ACCESS POINT.
 

THE CONTRACTOR MUST NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE SITE. ACCESS POINTS TO THE SITE MUST BE SECURED AND LOCKED AT ALL TIMES WHEN NOT ATTENDED BY THE CONTRACTOR. THE GATE OR GATE ARM MUST BE CLOSED AFTER EACH ACCESS. THE GATE GUARD MUST BE PROFESSIONALLY TRAINED AND MUST MAINTAIN A CONTRACTOR VEHICLE "ACTIVITY LOG" AS SUPPLIED BY THE OWNER. GATE GUARDS MUST HAVE AN APPROPRIATE MEANS OF COMMUNICATION TO CONTACT ADDITIONAL GATE MONITORS TO PROVIDE FOR BATHROOM, LUNCH AND OTHER BREAK PERIODS. AT NO TIME CAN THE GATE GUARD LEAVE THE UNSECURED GATE UNATTENDED WITHOUT AN APPROPRIATELY TRAINED SUBSTITUTE GUARD.

THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED ALONG THE ACCESS ROUTE AS A RESULT OF HIS CONSTRUCTION TRAFFIC. DIRECTIONAL SIGNING FROM THE ACCESS POINT ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE ARE AS DIRECTED BY GFIAA.
2. MATERIAL DELIVERY TO THE SITE: ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE WORK SITE WILL USE AS A DELIVERY ADDRESS, THE STREET NAME ASSIGNED TO THE ACCESS POINT AT THE CONTRACTOR'S STAGING SITE AT THE AIRPORT. DELIVERIES MUST REFERENCE THE PROJECT NAME AND CONTRACTOR'S NAME. THIS CONSTRUCTION ADDRESS WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
3. CONSTRUCTION AREA LIMITS: THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS DEFINED AS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION MUST BE MARKED BY THE CONTRACTOR. THE CONTRACTOR MUST ERECT AND MAINTAIN AROUND THE PERIMETER OF THESE AREAS SUITABLE FENCING, MARKING AND/OR WARNING DEVICES VISIBLE FOR DAY/NIGHT USE. TEMPORARY BARRICADES, FLAGGING AND FLASHING WARNING LIGHTS WILL BE REQUIRED AT CRITICAL ACCESS POINTS. TYPE OF MARKING AND WARNING DEVICES MUST BE APPROVED BY THE GFIAA, THROUGH THE RESIDENT PROJECT REPRESENTATIVE (RPR).
4. SUPERVISION: CONTRACTOR MUST, AT ALL TIMES, HAVE A SUPERVISOR ON SITE DURING ALL OPERATIONS INCLUDING ALL SUBCONTRACTOR OPERATIONS.
5. IDENTIFICATION VEHICLES: THE CONTRACTOR MUST ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUBCONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE SITE WHICH MUST BE MADE AVAILABLE UPON DEMAND BY THE RPR OR GFIAA. EACH VEHICLE MUST DISPLAY A LARGE COMPANY SIGN ON BOTH SIDES OF THE VEHICLE. THE CONTRACTOR MUST PROVIDE THE GFIAA THROUGH THE RPR, WITH A CURRENT LIST OF COMPANIES AUTHORIZED TO ENTER AND CONDUCT WORK ON THE AIRPORT. CONTRACTOR EMPLOYEE VEHICLES WILL BE RESTRICTED TO THE CONTRACTOR'S EMPLOYEE PARKING AREA AS DESIGNATED ON THE PLANS.
6. FINES: PAYMENT OF ALL FINES ASSESSED TO GFIAA DUE TO FAA OR TSA VIOLATIONS BY THE CONTRACTOR WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUCH FINES WILL BE DEDUCTED FROM THE CONTRACT VIA CHANGE ORDER.

**PROJECT SAFETY NARRATIVE:**

1. THIS PROJECT INCLUDES APPROXIMATELY 110 SYD OF CONCRETE PAVEMENT, CURB & GUTTER INSTALLATION, INSTALLATION OF PAVEMENT MARKINGS, AND SITE RESTORATION.
2. THERE IS NO CONSTRUCTION ACTIVITY ANTICIPATED WITHIN THE AIRPORT OPERATIONS AREA (AOA). NO AIRFIELD CLOSURES ARE NEEDED.
3. BASIS FOR DEVIATING FROM STANDARDS: NOT APPLICABLE.
4. HEIGHT OF CONSTRUCTION EQUIPMENT: 25 FEET (ANY TYPE)\*
 

\*- FAA APPROVAL MUST BE OBTAINED FOR ANY CONSTRUCTION EQUIPMENT EXPECTED TO EXCEED 25 FEET, BEFORE THE EQUIPMENT IS ALLOWED ON THE CONSTRUCTION SITE.
5. DATES FOR START AND COMPLETION:
 

|                      |  |
|----------------------|--|
| ESTIMATED START:     | MAY 2025   |
| ESTIMATED COMPLETE:  | MAY 2025   |
| TOTAL CONTRACT TIME: | REFER TO SHEET G040 - CONSTRUCTION SAFETY AND PHASING PLAN |



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD  
 INTERNATIONAL  
 AIRPORT**

**RELOCATE CELL  
 PHONE LOT**

*MSS DIG System, Inc.*  
 1-800-482-7171



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

**SHEET TITLE**

**SAFETY AND  
 SECURITY NOTES  
 AND DETAILS**

**SHEET NUMBER**

**G030**

**BID  
 DOCUMENTS**

PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT EXECUTION\03.05 CAD\G\GRR-CELL-G030.DWG



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

**SHEET TITLE**

**CONSTRUCTION SAFETY AND PHASING PLAN**

**SHEET NUMBER**

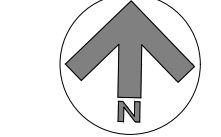
**G040**

**BID DOCUMENTS**

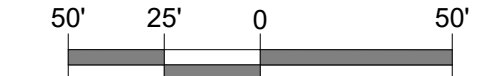
**LEGEND:**

- PHASE 1 LIMITS
- PHASE 2 LIMITS
- EXISTING BUILDING
- CONSTRUCTION STAGING AND PARKING AREA
- CONSTRUCTION HAUL ROUTE
- REFLECTIVE TRAFFIC DRUM - BY OWNER

NORTH



SCALE IN FEET



**JOHN J. OOSTEMA BLVD. SE**

**ROSS DR. SE**

**PHASE 1**

**PROPOSED CELL PHONE PARKING LOT**

**EXISTING EMPLOYEE PARKING LOT**

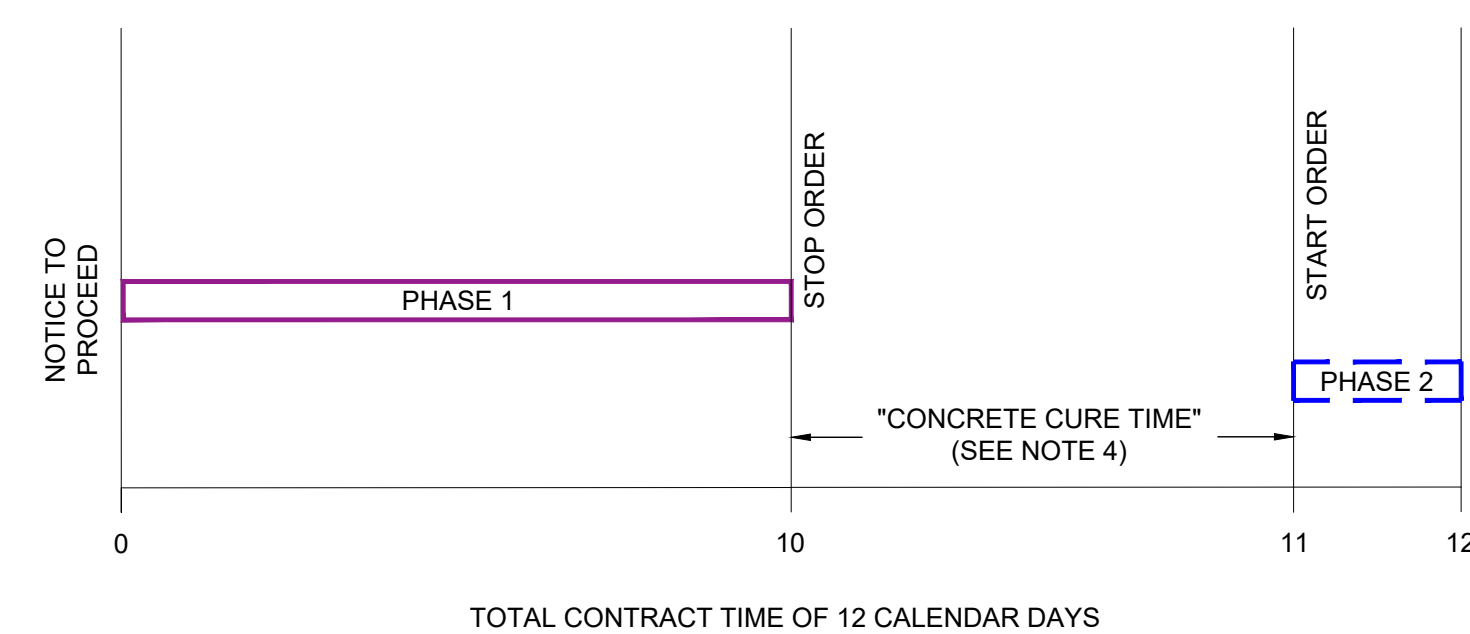
PRIMARY AND REDUNDANT POWER GENERATION (GENSET)

CONTRACTORS STAGING AREA AND SITE ACCESS PROVIDED VIA LANE CLOSURE - SEE DRAWING G041 FOR MOT PLAN

**GENERAL PHASING NOTES:**

- THE CONTRACTOR SHALL BE GIVEN THE SPECIFIC NUMBER OF DAYS TO COMPLETE THE WORK AS SHOWN. LIQUIDATED DAMAGES SHALL BE ASSESSED AFTER THE CONTRACT TIME HAS EXPIRED UNLESS THE CONTRACTOR CAN SHOW JUST CAUSE FOR DELAYS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE JUSTIFICATION FOR WAIVING ANY LIQUIDATED DAMAGE CHARGED.
- THE CONTRACTOR MUST KEEP ROSS DR. SE OPERATIONAL AT ALL TIMES. AIRPORT OPERATIONS SHALL NOT BE INTERRUPTED BY CONSTRUCTION ACTIVITIES AT ANY TIME.
- MAINTENANCE OF TRAFFIC (MOT) PLAN SHALL BE INITIATED AT THE START OF PHASE 1 AND UTILIZED THROUGHOUT CONSTRUCTION OF PHASE 1. SEE SHEET G041 FOR MOT PLAN.
- BEFORE CONSTRUCTION EQUIPMENT IS PERMITTED ON FRESHLY PLACED CONCRETE, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH COMPRESSIVE STRENGTH TEST RESULTS INDICATING CONCRETE HAS ATTAINED SUFFICIENT STRENGTH. FOLLOW SECTION 104.11 OF MDOT STANDARD SPECIFICATIONS FOR WORK ZONE MOBILITY LIMITS FOR CROSSING FRESHLY PLACED PAVEMENTS.

**SCHEMATIC CONSTRUCTION SEQUENCING:**



| PHASE   | DURATION         | LIQUIDATED DAMAGES     |
|---------|------------------|------------------------|
| PHASE 1 | 10 CALENDAR DAYS | \$500 PER CALENDAR DAY |
| PHASE 2 | 2 CALENDAR DAYS  | \$500 PER CALENDAR DAY |

**PHASING DETAILS:**

- |  |   |
|--|---|
| <p><b>PHASE 1 - 10 CALENDAR DAYS</b></p> <ul style="list-style-type: none"> <li>- REMOVAL OF EXISTING MARKINGS</li> <li>- REMOVAL OF EXISTING PAVEMENT &amp; SIDEWALK</li> <li>- REMOVAL OF DECORATIVE FENCE</li> <li>- REMOVAL OF CURB AND GUTTER</li> <li>- SUBGRADE PREPARATION</li> <li>- AGGREGATE BASE INSTALLATION</li> <li>- INSTALL CONCRETE CURB AND GUTTER</li> <li>- INSTALL CONCRETE DRIVEWAY PAVEMENT</li> <li>- SITE RESTORATION</li> </ul> | <p><b>PHASE 2 - 2 CALENDAR DAYS</b></p> <ul style="list-style-type: none"> <li>- PAVEMENT MARKINGS</li> </ul> |
|--|---|





**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

SHEET TITLE






**MAINTENANCE OF TRAFFIC PLAN**

SHEET NUMBER

**G041**

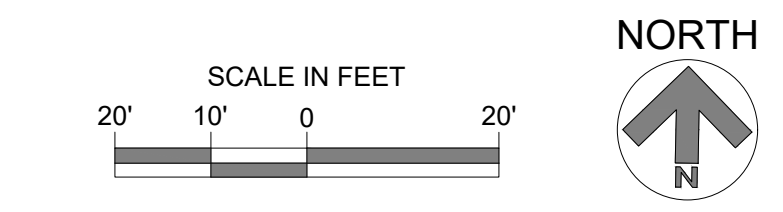
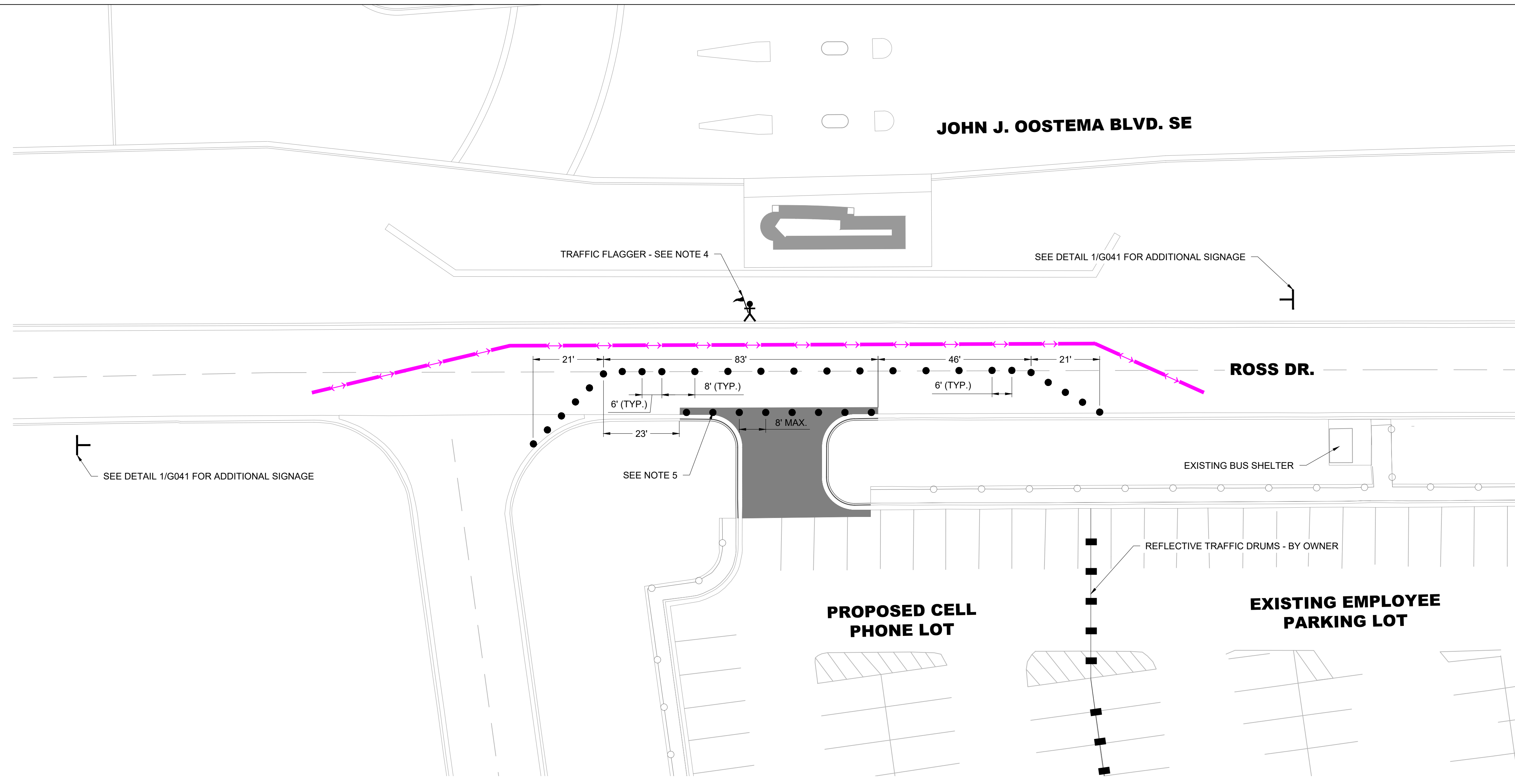
**BID DOCUMENTS**

**LEGEND:**



-  EXISTING BUILDING
-  PHASE 1 GENERAL PUBLIC TRAFFIC ROUTE
-  REFLECTIVE TRAFFIC DRUM
-  TRAFFIC FLAGGER
-  MAINTENANCE OF TRAFFIC SIGN

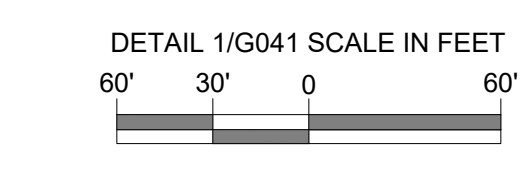
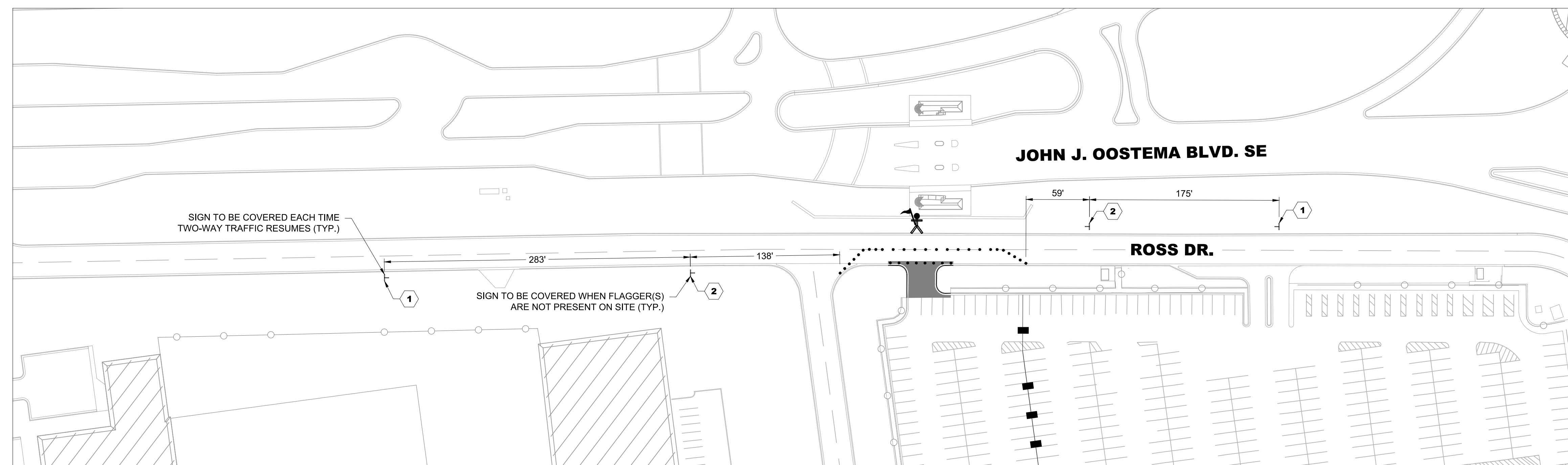
**NOTES:**

1. THE CONTRACTOR MUST KEEP ROSS DR. SE OPERATIONAL AT ALL TIMES. AIRPORT OPERATIONS SHALL NOT BE INTERRUPTED BY CONSTRUCTION ACTIVITIES AT ANY TIME.
2. MOT DEVICES MUST BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLAN THROUGH COORDINATION WITH GFIAA. MOT DEVICES MUST BE INSTALLED AT THE BEGINNING OF EACH PHASE AND REMAIN IN PLACE THROUGHOUT THE PHASE.
3. COSTS FOR INSTALLING, MAINTAINING, RELOCATING, AND REMOVING MOT DEVICES WILL BE INCLUDED IN PAY ITEM 812-1 "PROJECT SAFETY & MAINTENANCE OF TRAFFIC".
4. AT LEAST ONE (1) TRAFFIC FLAGGER SHALL BE PROVIDED DURING DAYTIME HOURS AND DURING ALL HOURS OF ACTIVE CONSTRUCTION. THE COST OF PROVIDING TRAFFIC FLAGGER(S) SHALL BE INCLUDED IN ITEM 812-1 "PROJECT SAFETY & MAINTENANCE OF TRAFFIC".
5. RELOCATE REFLECTIVE TRAFFIC DRUMS AS NEEDED TO PROTECT CURING CONCRETE OR WHEN LANE CLOSURE IS NOT NEEDED. CONTRACTOR MUST REQUEST PERMISSION FROM GFIAA AND/OR THE ENGINEER BEFORE RELOCATING TRAFFIC DRUMS.



**CONSTRUCTION SIGNAGE KEYED NOTE LEGEND:**

-  "ONE LANE ROAD AHEAD" SIGN (MDOT W20-4)
-  "FLAGGER AHEAD" SIGN (MDOT W20-7A)



**1 CONSTRUCTION SIGNAGE LAYOUT DETAIL**  
 G041 SCALE: NTS

PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT\03.00 PROJECT EXECUTION\03.05 CAD\GIGRR-CELL-G041.DWG

PLOTTED ON: 2/13/2023  
 FILE LOCATION: D:\LIBERM  
 P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT  
 EXECUTION\03.05 CAD\GRR-CELL-G050.DWG


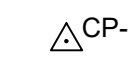

JOHN J OOSTEMA BLVD. SE

ROSS DR. SE

BETTY FORD DR.

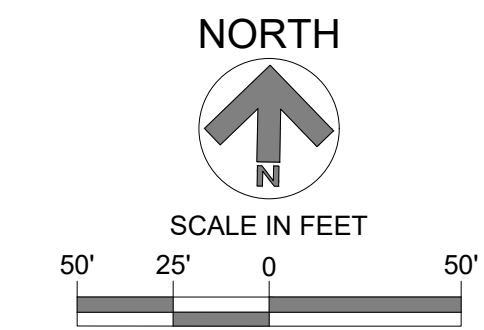
EMPLOYEE  
PARKING LOT

**LEGEND:**

-  EXISTING BUILDING
-  CP- # CONTROL POINT LOCATION
-  BM- # BENCHMARK POINT LOCATION

**NOTES:**

1. SURVEY INFORMATION PROVIDED BY HRC, INC. IN DECEMBER 2024.
2. HORIZONTAL CONTROL: STATE PLANE COORDINATES, NAD83, MICHIGAN SOUTH ZONE, INTERNATIONAL FOOT (MI83-SIF).
3. VERTICAL DATUM FOR THIS SURVEY IS NAVD88.
4. CONTRACTOR SHALL VERIFY SURVEY CONTROL PRIOR TO BEGINNING WORK AND SHALL IMMEDIATELY NOTIFY THE RPR OF ANY DISCREPANCY.



| CONTROL POINT INFORMATION TABLE |           |             |           |
|---------------------------------|-----------|-------------|-----------|
| POINT                           | NORTHING  | EASTING     | ELEVATION |
| CP-1                            | 506335.38 | 12810222.26 | 795.51'   |
| CP-2                            | 505875.73 | 12810063.95 | 791.56'   |

| BENCHMARK INFORMATION TABLE |  |           |
|-----------------------------|--|-----------|
| POINT                       | DESCRIPTION  | ELEVATION |
| BM-1                        | "X" ON SW BOLT ON HYDRANT                                    | 795.59'   |
| BM-2                        | "X" ON NW BOLT ON HYDRANT                                    | 794.48'   |
| BM-3                        | TOP OF SILVER ANCHOR BOLT - SW CORNER OF BLUE METAL BUILDING | 797.39'   |



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD  
INTERNATIONAL  
AIRPORT**

**RELOCATE CELL  
PHONE LOT**



| REVISIONS |             |      |
|-----------|-------------|------|
| NO.       | DESCRIPTION | DATE |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
1010-0085-003  
 GFIAA REQUEST NUMBER  
2510

© 2025 RS&H, INC.

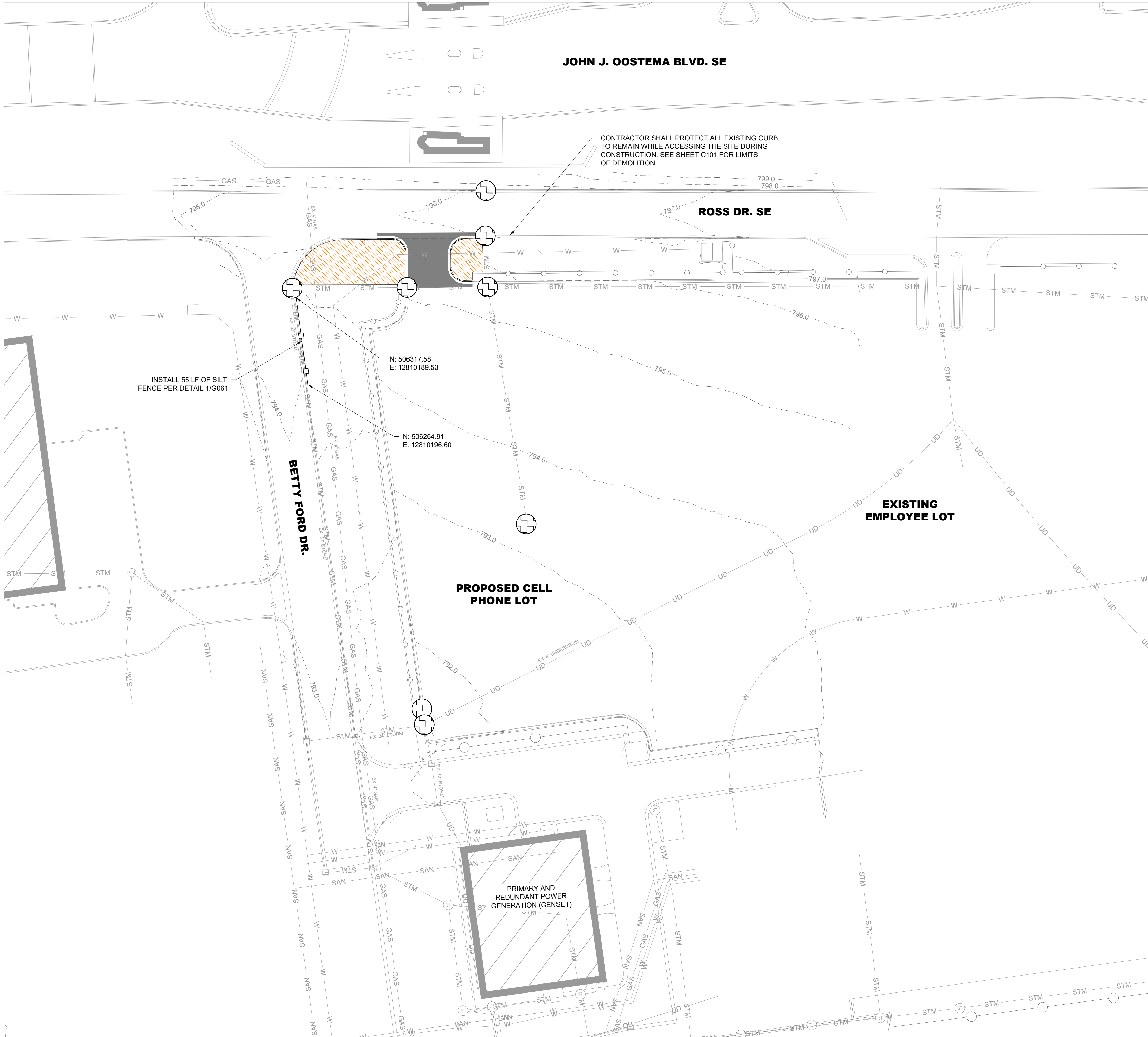
**SHEET TITLE**  
**HORIZONTAL  
AND VERTICAL  
CONTROL PLAN**

**SHEET NUMBER**  
**G050**





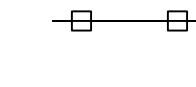

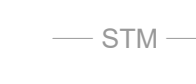


**BID  
DOCUMENTS**



PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT\03.00 PROJECT  
 EXECUTION\03.05 CAD\GRR-CELL-G060.DWG



**LEGEND:**

-  EXISTING BUILDING
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED TOPSOIL, HYDROSEED, AND MULCH LIMITS
-  PROPOSED INLET PROTECTION
-  PROPOSED SILT FENCE
-  EXISTING 5' CONTOUR
-  EXISTING 1' CONTOUR
-  EXISTING STORM PIPE
-  EXISTING UNDERDRAIN

**NOTES:**

1. SEE SHEET G061 FOR SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS
2. CONTRACTOR SHALL PLACE 4" TOPSOIL AT ALL AREAS TO BE SEEDED AND MULCHED. TOPSOIL SHALL BE SALVAGED FROM EXISTING TOPSOIL ON SITE.
3. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES DURING CONSTRUCTION AND SHALL KEEP CLEAN CONSTRUCTION ACCESS POINTS.
4. ANY SPOILS/STOCKPILES SHALL BE MAINTAINED WITHIN THE CONSTRUCTION OR STAGING AREA.



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD INTERNATIONAL AIRPORT**

**RELOCATE CELL PHONE LOT**



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

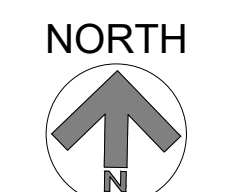
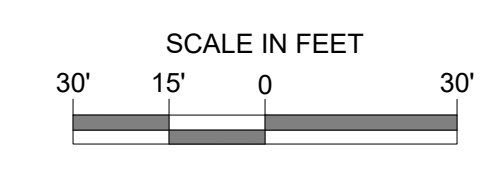
SHEET TITLE

**SOIL EROSION AND SEDIMENTATION CONTROL PLAN**

SHEET NUMBER

**G060**

**BID DOCUMENTS**





**SOIL EROSION AND SEDIMENTATION CONTROL NOTES:**

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) DEVICES, AS SHOWN, BEFORE PROCEEDING WITH ANY OTHER SITE WORK. CONTRACTOR SHALL MAINTAIN ALL SESC DEVICES FOR THE DURATION OF THE CONSTRUCTION. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS. ONCE GRASS IS ESTABLISHED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TEMPORARY SESC DEVICES AND COLLECTED DEBRIS. ALL PERMITS SHALL BE INCIDENTAL TO ITEM 110 MOBILIZATION. MAINTENANCE OF SOIL EROSION MEASURES SHALL BE INCIDENTAL TO THE INDIVIDUAL ITEMS.
2. THE CONTRACTOR SHALL INSPECT AND MAINTAIN SESC DEVICES ON A WEEKLY BASIS AND WITHIN 24 HOURS AFTER A STORM EVENT. THE CONTRACTOR SHALL REMOVE ACCUMULATED DEBRIS AND MAKE NECESSARY REPAIRS.
3. THE CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE SITE FOR THE DURATION OF THE CONSTRUCTION. DRAINAGE STRUCTURES SHALL BE CLEANED OF COLLECTED DEBRIS AT THE END OF CONSTRUCTION AND THE AREA RESTORED.
4. **ALL EXCESS EXCAVATED MATERIALS SHALL REMAIN ONSITE AT A LOCATION DESIGNATED BY GFIAA.** THE OWNER SHALL BE INFORMED OF ANY EXCESS MATERIAL PRIOR TO DISPOSING, IF NEEDED.
5. THE CONTRACTOR MUST CONTROL THE DUST ON THE SITE DURING THE LIFE OF THE CONTRACT AS REQUIRED IN THE CONSTRUCTION SAFETY AND PHASING PLAN.
6. THE CONTRACTOR SHALL ACCESS THE SITE ONLY FROM GATES INDICATED ON THE CONSTRUCTION SAFETY AND PHASING PLAN. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN A TEMPORARY GRAVEL ACCESS PER MICHIGAN SESC STANDARDS AT LOCATIONS WHERE THE CONTRACTOR'S ACCESS FROM THE SITE JOINS EXISTING PAVEMENT.
7. ALL DISTURBED GROUND AREAS SHALL BE RESTORED WITH A MINIMUM OF 4 INCHES OF TOPSOIL, SEED AND/OR SOD.
8. DURING CONSTRUCTION, ALL STORM DRAIN INLETS SHALL BE PROTECTED AS SHOWN ON THIS SHEET, MAINTAINED AND MODIFIED AS REQUIRED. ALL CONSTRUCTION DISCHARGE WATER SHALL BE ADEQUATELY FILTERED TO REMOVE SILT PRIOR TO DISCHARGE INTO WATERWAYS AND WETLANDS. PAYMENT FOR INLET PROTECTION SHALL BE MADE UNDER ITEM 208-2 EROSION CONTROL, INLET PROTECTION, FABRIC DROP.

**SILT FENCE NOTES:**

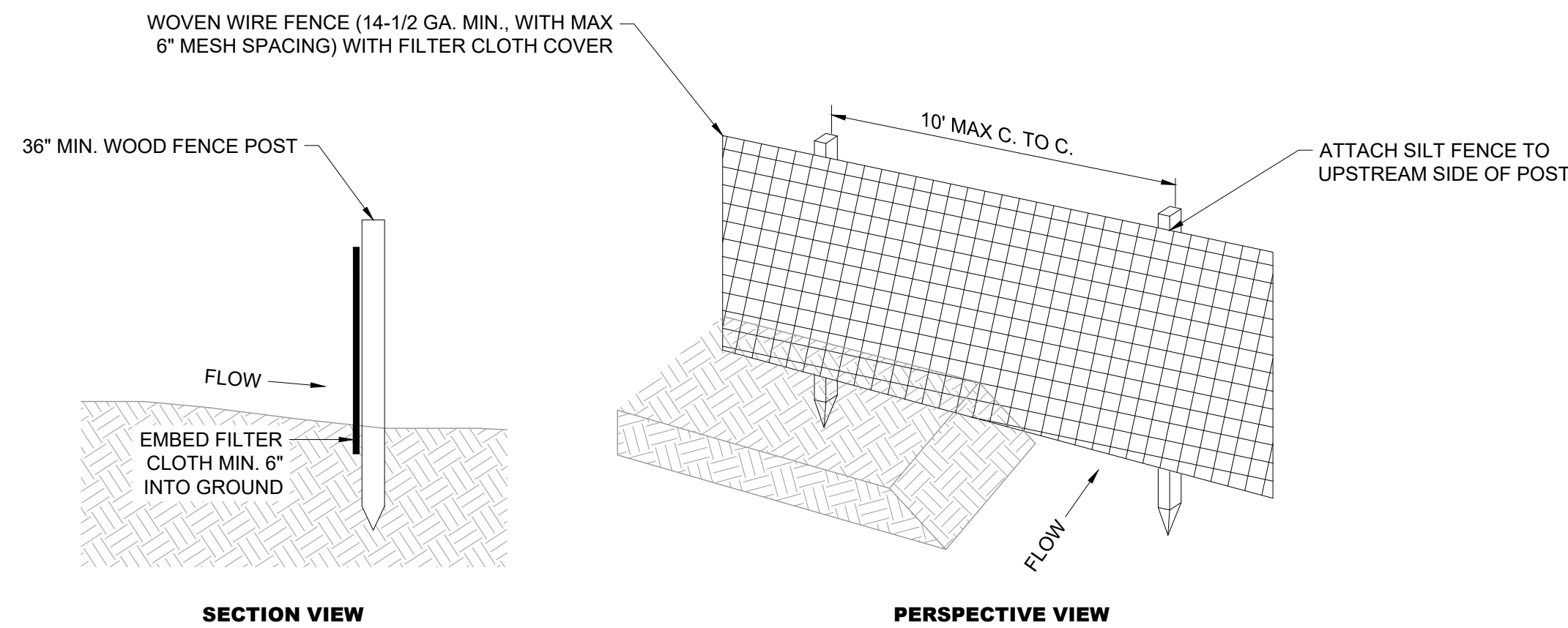
1. SILT FENCE SHALL BE IN PLACE PRIOR TO GRADING. SILT FENCE AND FILTER FABRIC MUST BE ENTRENCHED.
2. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE PROPOSED AND EXISTING GRADES, PREPARED AND SEEDED OR SODDED.
3. SILT FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT OR AT A TIME DIRECTED BY THE OWNER. IF THE OWNER FEELS IT IS NECESSARY FOR THE SILT FENCE TO REMAIN IN PLACE FOR SOME GIVEN TIME AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL LEAVE IT IN PLACE, IN THE PROPERLY INSTALLED WAY, AND WILL, AT THE DIRECTION OF THE OWNER, REMOVE IT AT NO ADDITIONAL COST TO THE OWNER WHEN THE OWNER DEEMS IT APPROPRIATE.

**SEEDING NOTES:**

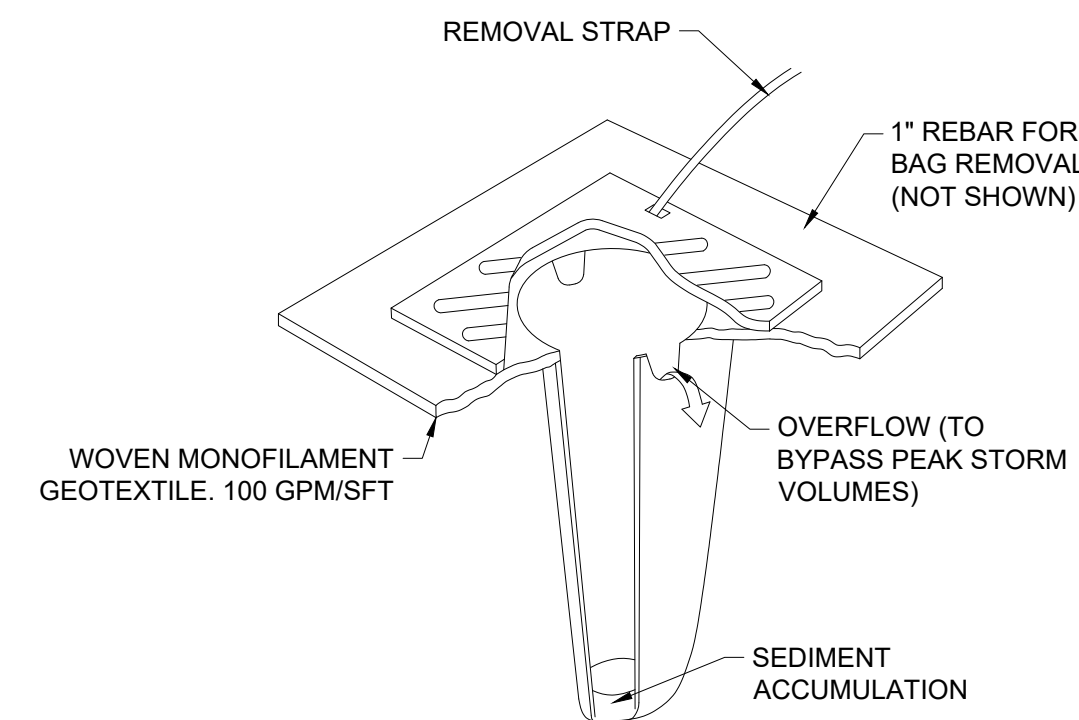
1. ALL SEED SHALL BE APPLIED USING THE SEEDING METHOD AS DESCRIBED IN SECTION 816 OF MDOT STATE HIGHWAY SPECIFICATIONS, LATEST EDITION.
2. ANY DISTURBED AREA WHICH WILL NOT BE PAVED, SODDED OR BUILT UPON SHALL HAVE THE MINIMUM VEGETATIVE COVER, AND IN THE OPINION OF THE OWNER AND ENGINEER WILL BE MATURE ENOUGH TO CONTROL SOIL EROSION AND SURVIVE SEVERE WEATHER CONDITIONS. IF SEEDING OCCURS OUTSIDE OF THE SEASONAL LIMITATIONS INDICATED IN SECTION 816 OF THE SPECIFICATIONS, THE CONTRACTOR SHALL MAINTAIN THE NEWLY SEEDED AREAS, INCLUDING WATERING, AT NO ADDITIONAL COST TO THE OWNER.

**CATCH BASIN INLET PROTECTION NOTES:**

1. CATCH BASIN INSERT SHALL BE ULTRA-DRAIN GUARD®, REUSABLE MODEL OR APPROVED EQUAL. CONTRACTOR SHALL VERIFY DIMENSIONS OF STRUCTURES WITH MANUFACTURER PRIOR TO ORDERING FOR CORRECT SIZING.
2. THE CATCH BASIN INSERT SHALL BE INSTALLED, MAINTAINED AND REMOVED PER MANUFACTURER RECOMMENDATIONS.
3. THE LOCATIONS SHOWN ON THE PLAN FOR PLACEMENT OF THIS DEVICE MAY VARY FROM WHERE THEY ARE ACTUALLY INSTALLED. THE DEVICES MUST BE PLACED IN CATCH BASINS DURING ALL CONSTRUCTION ACTIVITY THAT MAY CAUSE SILTATION DOWNSTREAM OF THE CONSTRUCTION SITE.
4. THE CATCH BASIN INSERT INLET FILTER SHALL EITHER BE PLACED AT THE SAME TIME AS THE INLET FILTER FOR TURF OR DURING THE CONCRETE MAINTENANCE PAD CONSTRUCTION. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL EITHER THE AREA IS STABILIZED OR CONSTRUCTION (CUT/CAP OR REMOVAL) OF THE DRAINAGE STRUCTURE IS UNDER WAY.
5. ALL STORM WATER THAT NEEDS TO BE PUMPED FROM THE SITE SHALL BE PUMPED INTO ONE OF THESE DEVICES. THE FLOW RATE PUMPED INTO THIS DEVICE SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED TREATMENT FLOW RATE. DURING THE PUMPING PROCESS, THE DEVICE SHALL BE MONITORED IN ORDER TO DETERMINE THAT IT IS TREATING THE WATER. IF THE WATER IS UTILIZING THE BYPASS PORT AND IS NOT BEING CLEANED BY THE DEVICE, THE PUMPING SHALL BE STOPPED AND THE DEVICE SHALL BE CLEANED PER MANUFACTURER'S RECOMMENDATIONS AND THEN REINSTALLED.
6. ULTRA-DRAIN GUARD RETAINERS® OR APPROVED EQUAL MAY BE REQUIRED TO HOLD THE ULTRA-DRAIN GUARD®, REUSABLE MODEL OR APPROVED EQUAL IN-PLACE IF THE GRATING CANNOT BE INSTALLED, NEEDS TO BE REMOVED, OR THE INSERT IS INSTALLED ON A DRAINAGE MANHOLE.
7. MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR WHEN THE CAPACITY IS REDUCED BY APPROXIMATELY 50 PERCENT OR DIRECTED BY THE ENGINEER.
8. THE MEASUREMENT OF THE CATCH BASIN INSERT INLET PROTECTION FOR INSTANCES OF A PROPOSED / MODIFIED STRUCTURE BEING INSTALLED IN THE SAME LOCATION AS AN EXISTING ONE SHALL BE CONSIDERED AS ONE DEVICE AND ANY ADDITIONAL COSTS SHALL BE CONSIDERED INCIDENTAL.
9. INLET PROTECTION DEVICES SHALL BE PAID FOR UNDER THE UNIT COST PER EACH FOR CATCH BASIN INLET PROTECTION. THIS COST SHALL INCLUDE ALL THE COSTS FOR INSTALLATION, MAINTENANCE, AND REMOVAL, AND ALL LABOR, EQUIPMENT AND TOOLS AND INCIDENTALS TO INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS.



**1 SILT FENCE INSTALLATION DETAIL**  
G061 SCALE: N.T.S



**2 INLET PROTECTION DETAIL**  
G061 SCALE: N.T.S

PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INT\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT EXECUTION\03.05 CAD\GRR-CELL-G060.DWG



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD INTERNATIONAL AIRPORT**

**RELOCATE CELL PHONE LOT**

MSS DIG System, Inc.  
 1-800-482-7171



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

SHEET TITLE

**SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS**

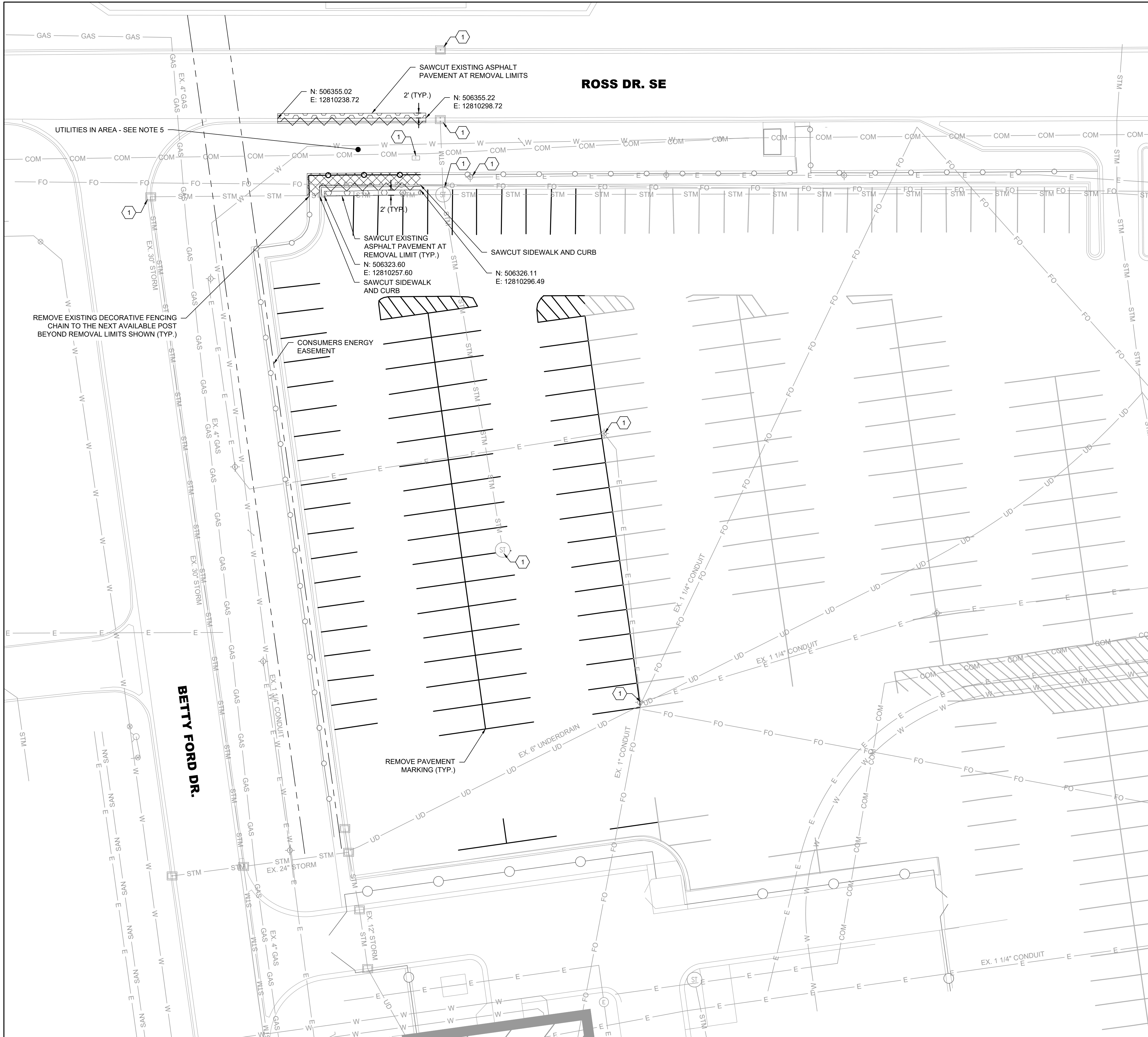
SHEET NUMBER

**G061**



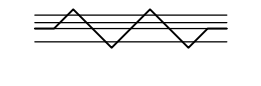
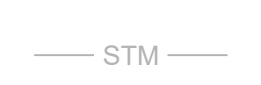





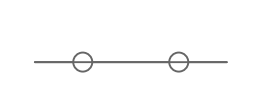
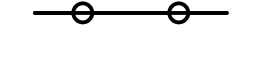
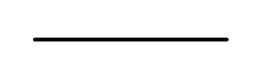

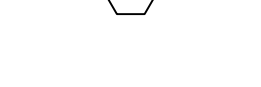

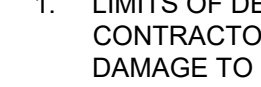

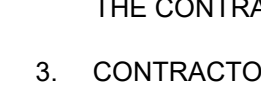
**BID DOCUMENTS**



PLOTTED ON: 2/13/2023  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT  
 EXECUTION\03.05 CAD\C\GRR-CELL-C100.DWG



**LEGEND**

-  REMOVE ASPHALT PAVEMENT
-  REMOVE CONCRETE SIDEWALK
-  REMOVE CONCRETE CURB & GUTTER
-  EXISTING SANITARY SEWER
-  EXISTING STORM SEWER
-  EXISTING UNDERDRAIN PIPE
-  EXISTING GAS UTILITY
-  EXISTING WATER UTILITY
-  EXISTING ELECTRICAL UTILITY
-  EXISTING FIBER OPTIC UTILITY
-  EXISTING STORM INLET
-  EXISTING STORM MANHOLE
-  EXISTING OVERHEAD LIGHT POLE
-  EXISTING ELECTRICAL STRUCTURE
-  EXISTING FENCE LINE
-  REMOVE FENCE LINE
-  EXISTING PAVEMENT MARKING
-  REMOVE PAVEMENT MARKING

**KEYNOTE**

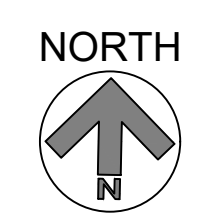
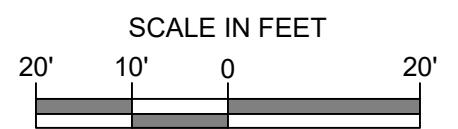
-  1 PROTECT EXISTING STRUCTURE

**NOTES**

1. LIMITS OF DEMOLITION SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND RPR PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING PAVEMENT TO REMAIN SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. ALL PAVEMENT MARKING REMOVALS SHALL BE DONE AT A LOW WATER PRESSURE TO PRESERVE THE EXISTING PAVEMENT. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS MUST BE FIXED AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS INDICATED OTHERWISE.
4. CURB AND GUTTER "EDGE OF METAL" IS USED AS A REFERENCE POINT FOR ALL REMOVAL LOCATIONS PROVIDED.
5. FOR UTILITIES CONFLICTING WITH THE INSTALLATION OF PROPOSED WORK ITEMS, THE CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATING, MODIFYING, OR REMOVING SUCH UTILITIES AT THE DIRECTION OF THE ENGINEER AND/OR GFIAA. UTILITIES MODIFIED, RELOCATED, OR REMOVED WILL BE PAID FOR AS A PROJECT ALLOWANCE PER SP-02.

**WARNING!**

THERE ARE EXISTING UNDERGROUND UTILITIES IN THE PROJECT WORK AREAS. THE ENGINEER HAS MADE EVERY EFFORT TO SHOW THEIR APPROXIMATE LOCATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY CABLE, CONDUIT, AND PIPE LOCATED, FLAGGED, AND IDENTIFIED PRIOR TO CONSTRUCTION. ANY DAMAGE DONE TO FLAGGED OR OTHERWISE LOCATED UTILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD INTERNATIONAL AIRPORT**

**RELOCATE CELL PHONE LOT**



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003  
 GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

**SHEET TITLE**

**DEMOLITION PLAN**

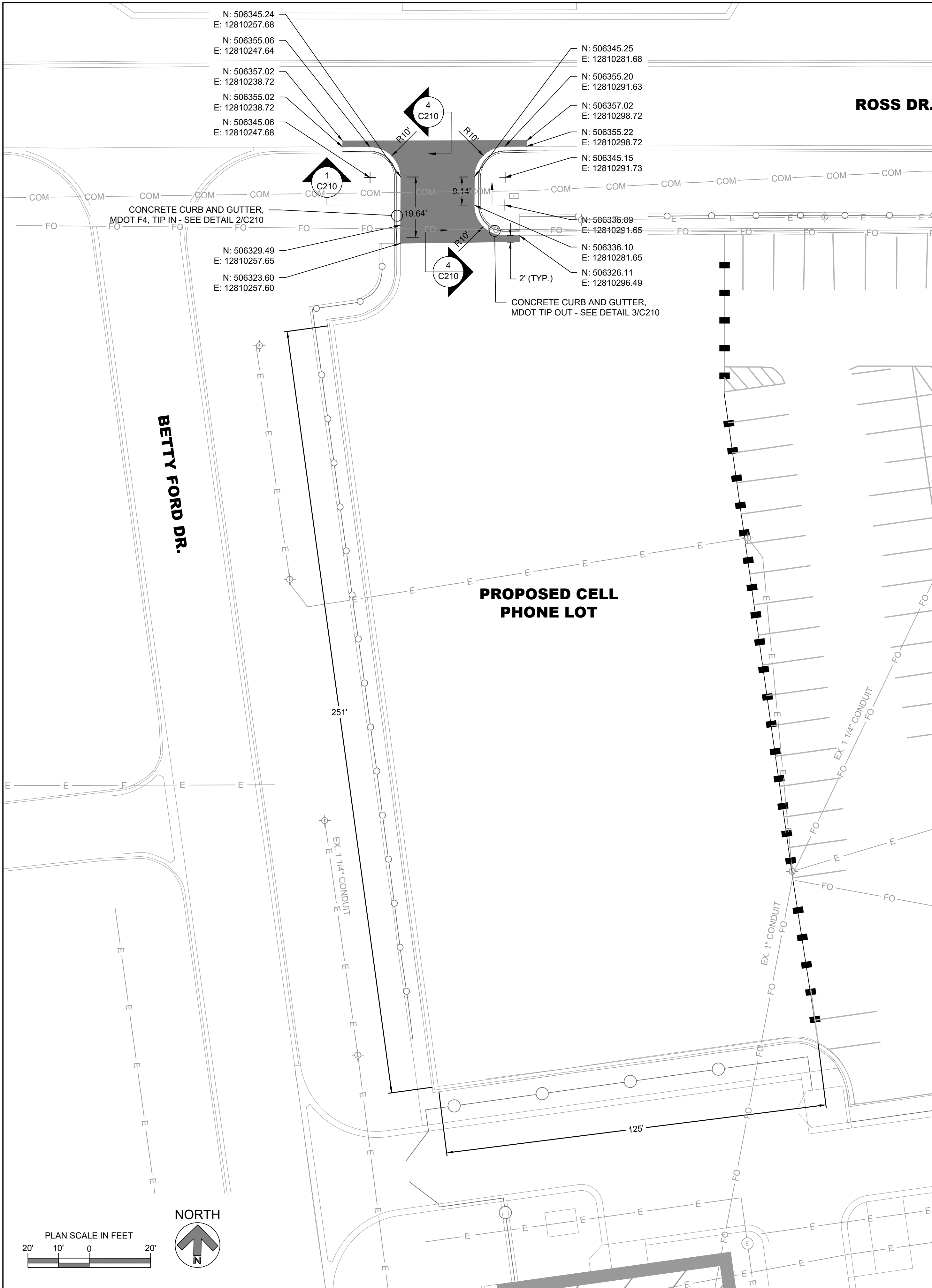
**SHEET NUMBER**

**C101**

**BID DOCUMENTS**



PLOTTED ON: 2/13/2023  
 FILE LOCATION: D:\LIBERM  
 P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT  
 EXECUTION\03.05 CAD\C\GRR-CELL-C200.DWG



ROSS DR. SE

BETTY FORD DR.

PROPOSED CELL PHONE LOT

**LEGEND**

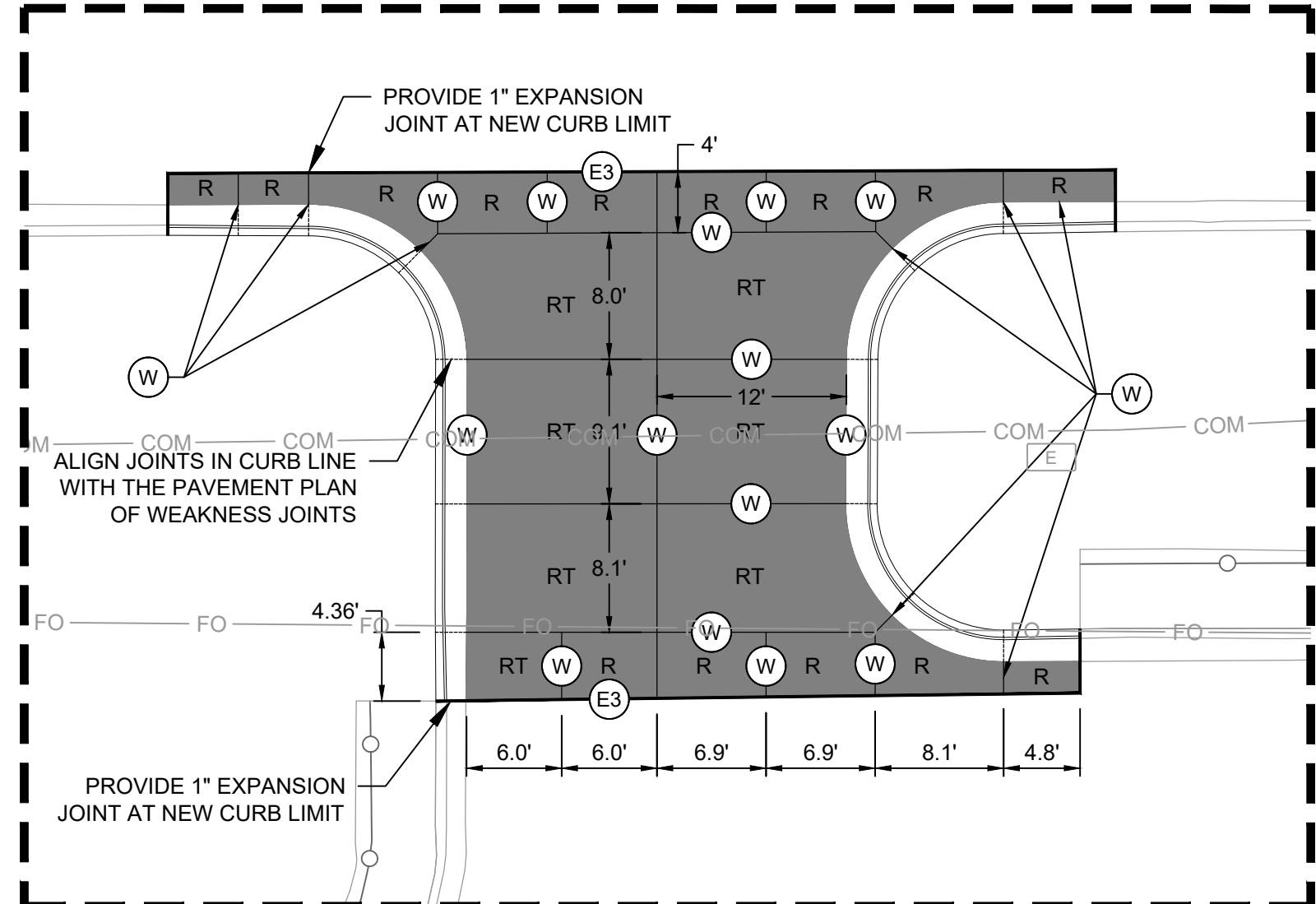
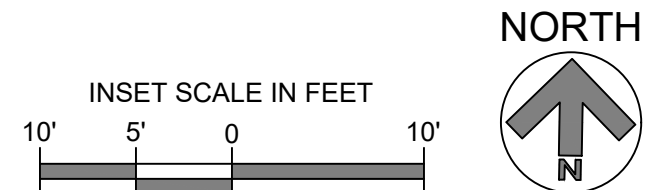
- PROPOSED CONCRETE PAVEMENT
- REFLECTIVE TRAFFIC DRUMS - BY OWNER
- PROPOSED CURB AND GUTTER
- EXISTING MINOR CONTOUR (0.5')
- EXISTING MAJOR CONTOUR (1.0')
- PROPOSED MINOR CONTOUR (0.1')
- PROPOSED MAJOR CONTOUR (0.5')

**NOTES**

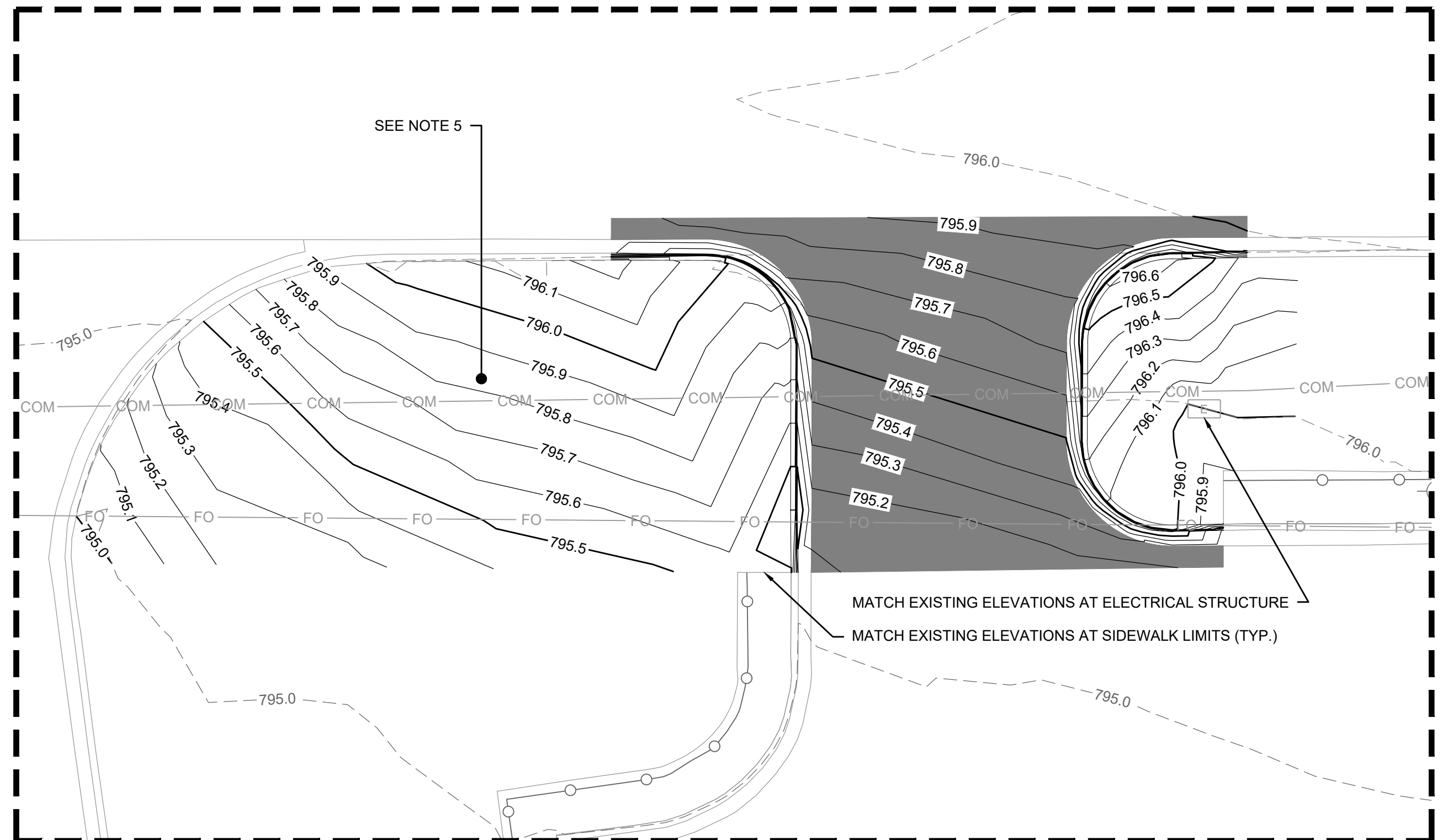
1. CONTRACTOR SHALL PROVIDE RPR A TOPOGRAPHICAL SURVEY OF EACH LAYER OF PAVING FOR VERIFICATION OF FINAL GRADES.
2. CURB AND GUTTER COORDINATES ARE SHOWN TO THE "EDGE OF METAL"
3. CONTRACTOR MAY SUBMIT AN ALTERNATE JOINT LAYOUT FOR PLANE OF WEAKNESS JOINTS FOR ENGINEER REVIEW AND APPROVAL.
4. SEE DRAWING C210 FOR TYPICAL PAVEMENT SECTIONS AND JUNCTURE DETAILS.
5. CONTRACTOR SHALL USE EXCAVATED MATERIAL TO CONSTRUCT PROPOSED OFF-PAVEMENT GRADES SHOWN ON THE GRADING PLAN. OFF PAVEMENT GRADES PROVIDED ARE SHOWN TO CLARIFY INTENDED DRAINAGE PATTERNS. CONTRACTOR MAY PLACE TOPSOIL WITHIN REASONABLY CLOSE CONFORMITY TO THE GRADING PLAN PROVIDED PROPOSED DRAINAGE PATTERNS ARE MAINTAINED. THE COST OF PLACING EXCAVATED MATERIAL TO MATCH PROPOSED OFF PAVEMENT GRADES SHALL BE INCLUDED IN 816-1. NO ADDITIONAL PAYMENT WILL BE MADE FOR SPOILING MATERIAL IN EXCESS OF 4" DEEP.

**JOINT LAYOUT LEGEND**

- MDOT "E3" ISOLATION JOINT
- MDOT "W" PLANE OF WEAKNESS JOINT
- REINFORCED CONCRETE PANEL (WITH CURB TIES)
- REINFORCED CONCRETE PANEL (WITHOUT CURB TIES)



**DRIVE ENTRANCE JOINTING PLAN**



**DRIVE ENTRANCE GRADING PLAN**



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD INTERNATIONAL AIRPORT**

**RELOCATE CELL PHONE LOT**

MSS DIG System, Inc.  
 1-800-482-7171



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

SHEET TITLE

**SITE PLAN**

SHEET NUMBER

**C201**

**BID DOCUMENTS**



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

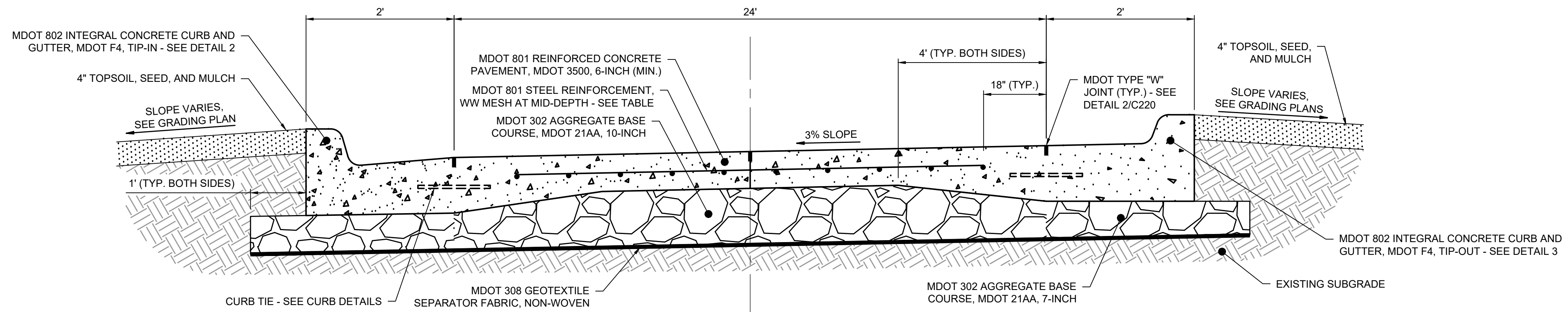
RS&H PROJECT NUMBER  
 1010-0085-003  
 GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

**SHEET TITLE**  
**TYPICAL PAVEMENT SECTION AND JUNCTURE DETAILS**

**SHEET NUMBER**  
**C210**

**BID DOCUMENTS**



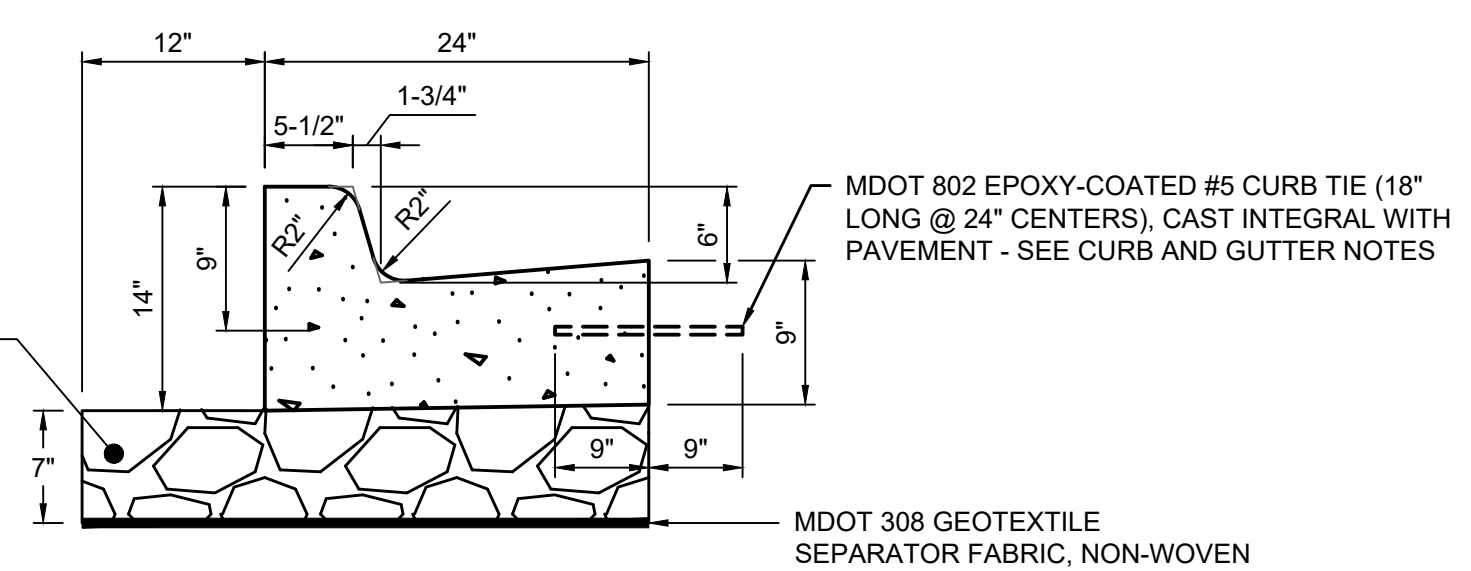
**1 PROPOSED ENTRANCE DRIVE PAVEMENT SECTION**  
 C210 SCALE: NTS

- EXCAVATION FOR THE PROPOSED PAVEMENT SECTION AND INTEGRAL CURB AND GUTTER SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THESE ITEMS OF WORK.
- THE COST OF COMPACTING THE SUBGRADE AND INSTALLING AND COMPACTING MDOT 302 AGGREGATE BASE COURSE SHALL BE INCIDENTAL TO THE INSTALLATION OF THE CONCRETE PAVEMENT AND INTEGRAL CURB AND GUTTER.
- NO EXTRA PAYMENT WILL BE MADE FOR VARYING THICKNESSES OF CONCRETE AND AGGREGATE BASE COURSE.

**WELDED WIRE MESH TABLE**

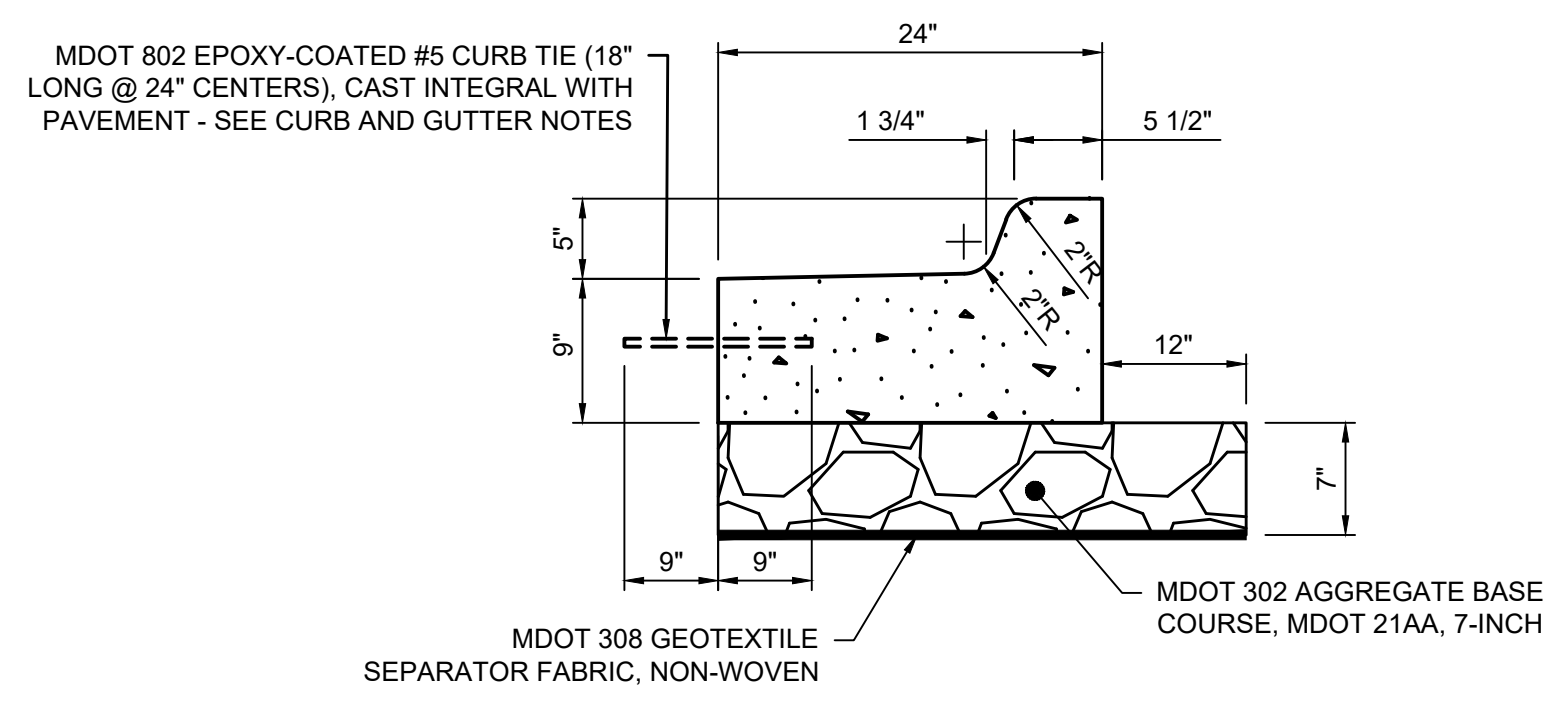
| PAVEMENT THICKNESS, T | TWO WAY WIRE FABRIC |         |
|-----------------------|---------------------|---------|
|                       | SIZE                | SPACING |
| 6 INCH                | W2.9 X W2.9         | 6" x 6" |

- NOTE:**
- WELDED WIRE MESH SHALL BE INCLUDED IN THE COST OF MDOT 801 "DRIVEWAY, REINF. CONC., 6-INCH, INCLUDING AGGREGATE BASE".

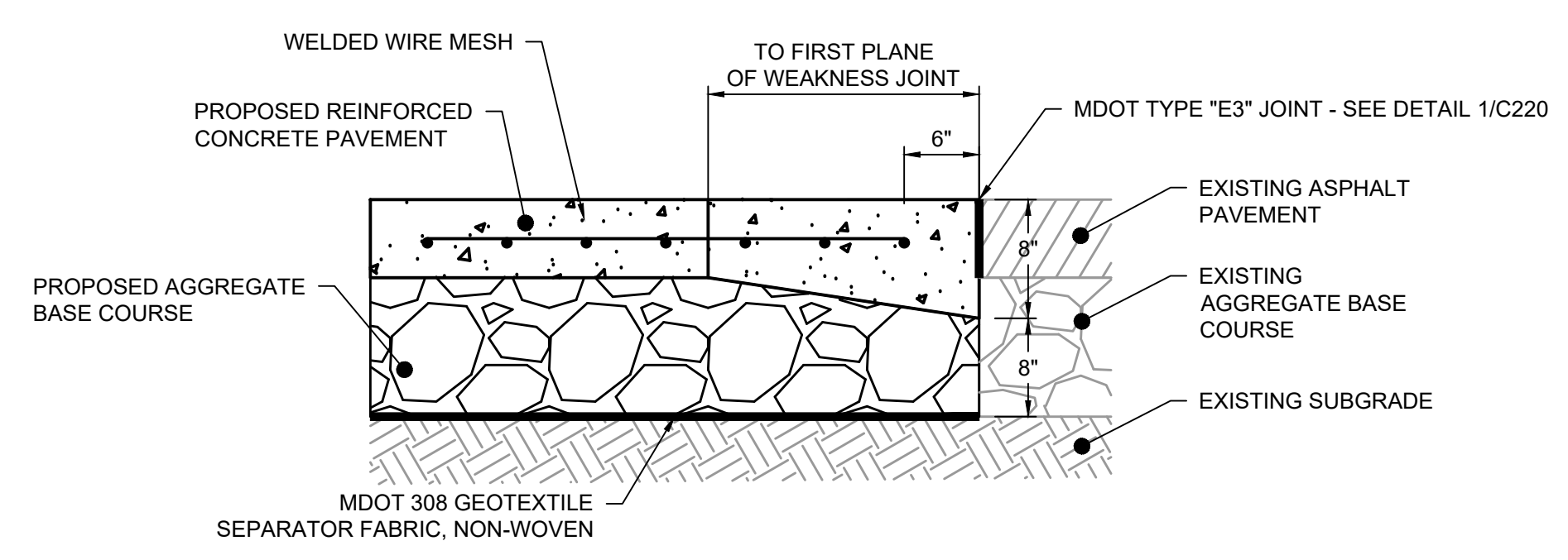


**2 CURB & GUTTER, MDOT F4, TIP IN**  
 C210 SCALE: NTS

- CURB AND GUTTER NOTES:**
- SEE JOINTING PLAN ON DRAWING C201 FOR CONCRETE PAVEMENT PANELS REQUIRING INTEGRAL CURB TIES.
  - CURB TIES SHALL BE OMITTED WHEN WITHIN 12" OF A JOINT.
  - CURB TIES SHALL BE CONSIDERED INCIDENTAL TO CURB AND GUTTER INSTALLATION. NO SEPARATE PAYMENT WILL BE MADE FOR CURB TIES.
  - PAYMENT FOR CURB AND GUTTER WILL NOT BE DISTINGUISHED BETWEEN TYPES OF CURB INSTALLED. ALL CURB TYPES WILL BE PAID UNDER ITEM 802-1.



**3 CURB & GUTTER, MDOT F4, TIP OUT**  
 C210 SCALE: NTS

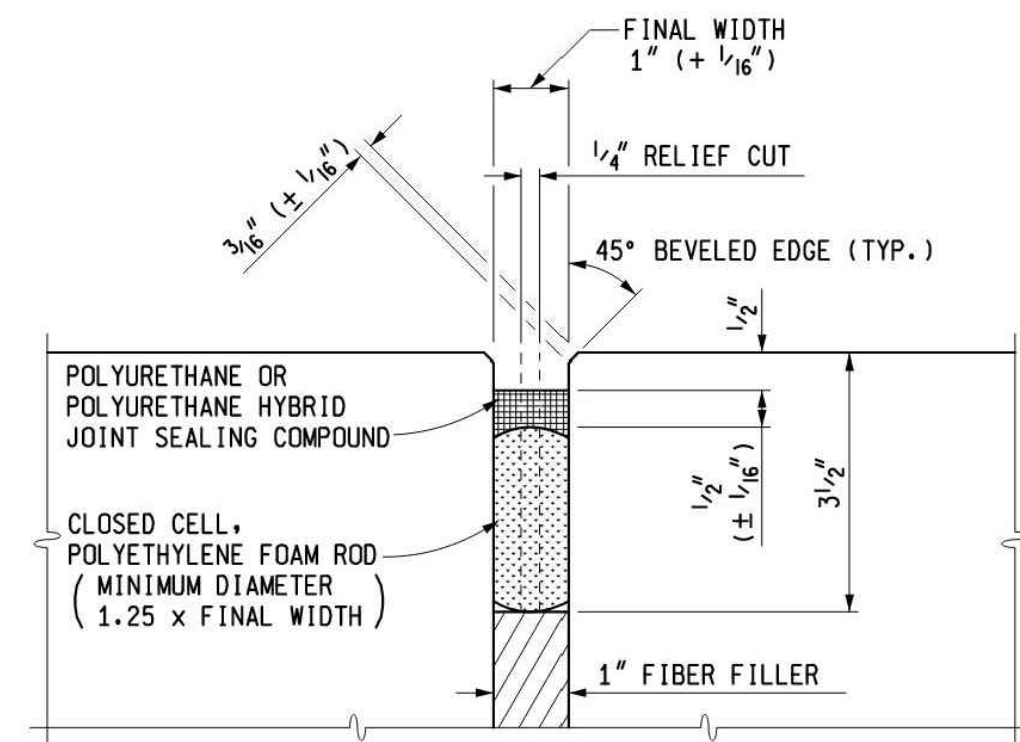


**4 JUNCTURE DETAIL - ENTRANCE DRIVE**  
 C210 SCALE: NTS

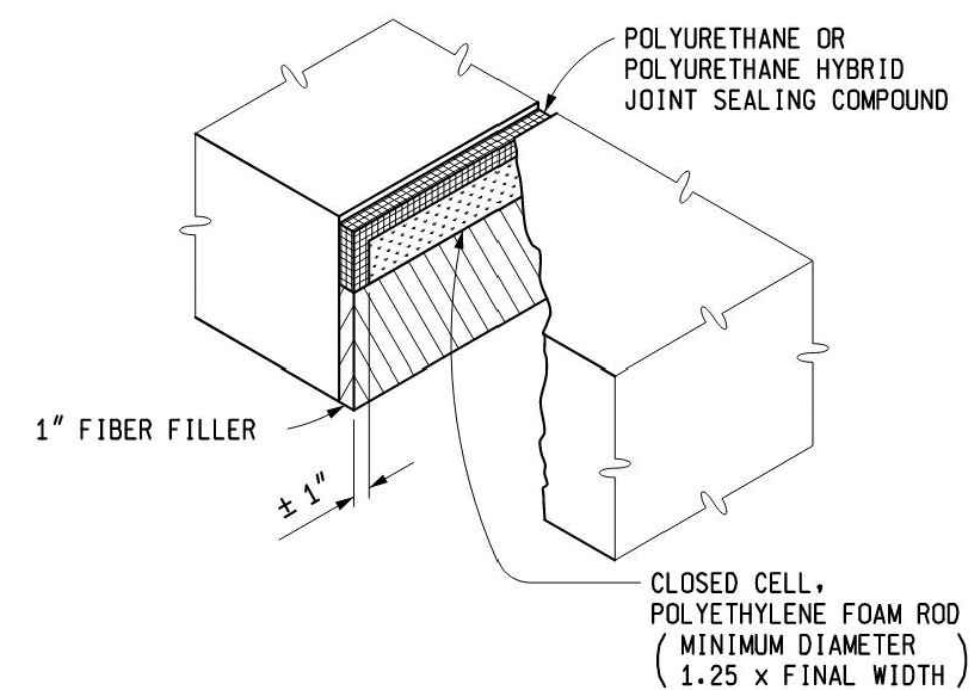
PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT EXECUTION\03.05 CAD\C\GRR-CELL-C210.DWG



PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT  
 EXECUTION\03.05 CAD\C\GRR-CELL-C210.DWG



**SAWED JOINT DETAIL**  
 SAWED JOINT SEALED WITH POLYURETHANE OR POLYURETHANE HYBRID JOINT SEALING COMPOUND.



**OUTSIDE EDGE TREATMENT**

**NOTE:**

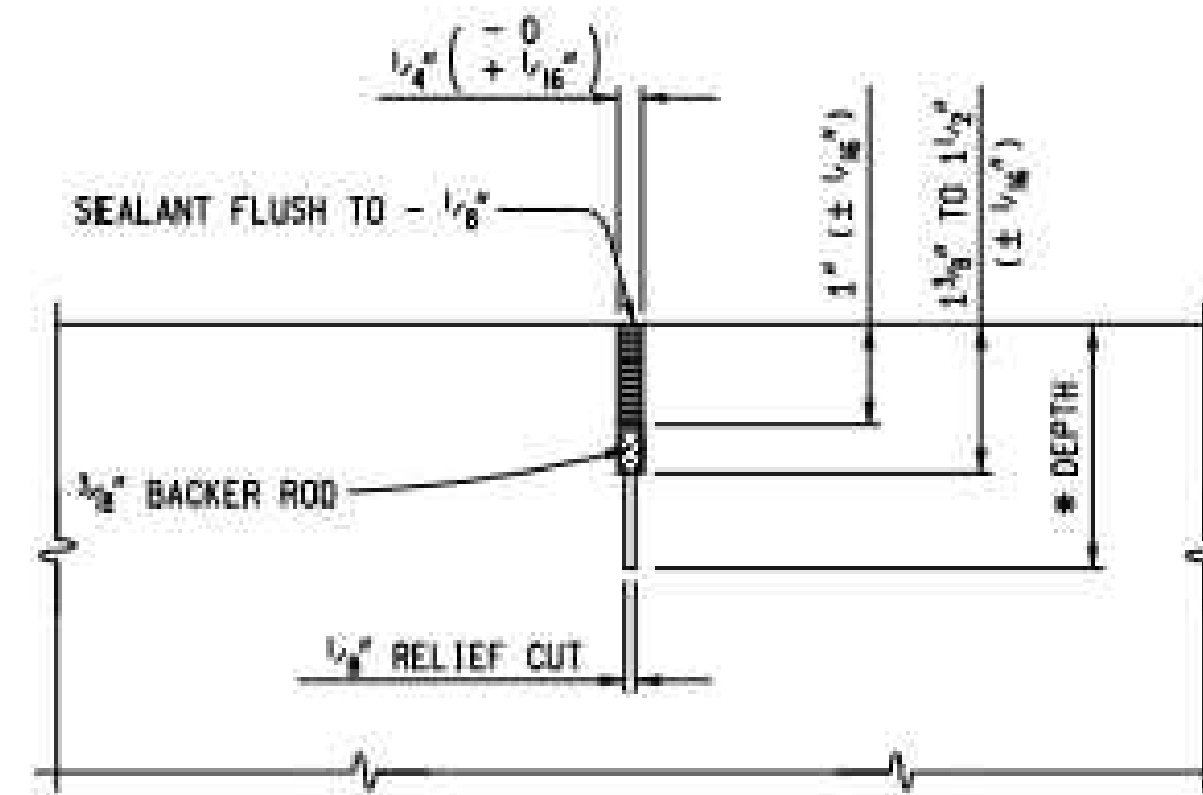
THE FINAL WIDTH OF THE GROOVE SHALL BE  $1" + \frac{1}{16}"$  PLUS ANY INCREASE OR MINUS ANY DECREASE IN THE WIDTH OF THE RELIEF CUT. THE FINAL SAW CUT SHALL BE TO THE TOP OF THE FIBER FILLER WITH A MINIMUM DEPTH AS SHOWN AND SHALL BE CENTERED OVER THE FIBER FILLER WITH A HORIZONTAL TOLERANCE OF  $\frac{1}{4}"$ . FIBER FILLER FOR EXPANSION JOINTS IN CONCRETE SHOULDERS SHALL BE FREE OF HOLES OR OTHER DEFECTS AND TRIMMED TO FIT SHOULDER CONFIGURATIONS.

| SYMBOL | LOAD TRANSFER ASSEMBLY | JOINT USE           |
|--------|------------------------|---------------------|
| (E3)   | NO                     | PAVEMENT & SHOULDER |

**1 MDOT E3 EXPANSION JOINT**  
 C220 SCALE: N.T.S.

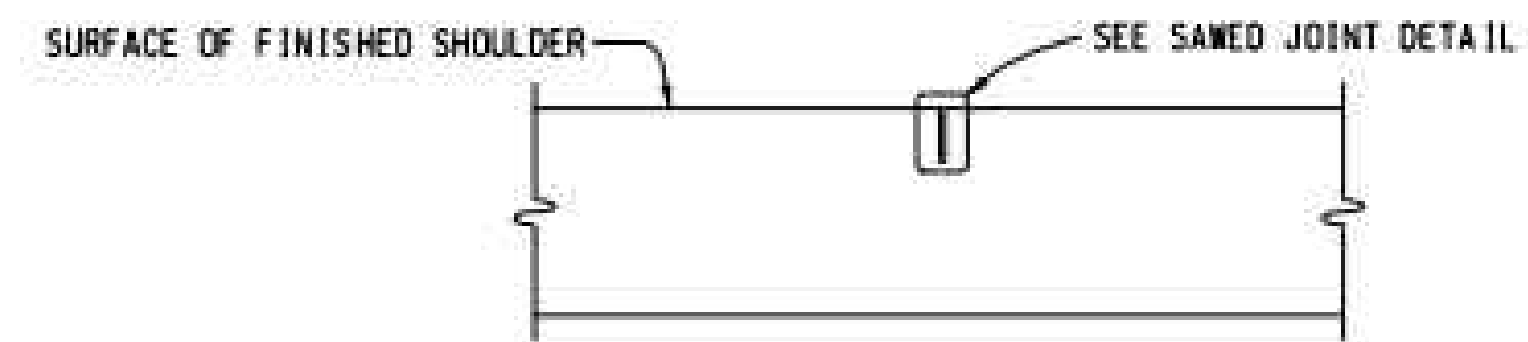
**JOINTING NOTE:**

- NO SEPARATE PAYMENT WILL BE MADE FOR SAWCUTTING, PREPARING NOR SEALING PROPOSED JOINTS IN CONCRETE PAVEMENT OR CURB AND GUTTER. PAYMENT FOR JOINT PREPARATION AND JOINT SEALING SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONCRETE PAY ITEMS OF THE PROJECT.



**SAWED JOINT DETAIL**  
 SAWED JOINT SEALED WITH LOW MODULUS HOT-POURED RUBBER-ASPHALT TYPE JOINT SEALING COMPOUND.

\* DEPTH OF RELIEF CUT FOR JOINT  $\frac{1}{4}$  THE SLAB THICKNESS.



**2 MDOT W PLANE OF WEAKNESS JOINT**  
 C220 SCALE: N.T.S.



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003

GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

SHEET TITLE

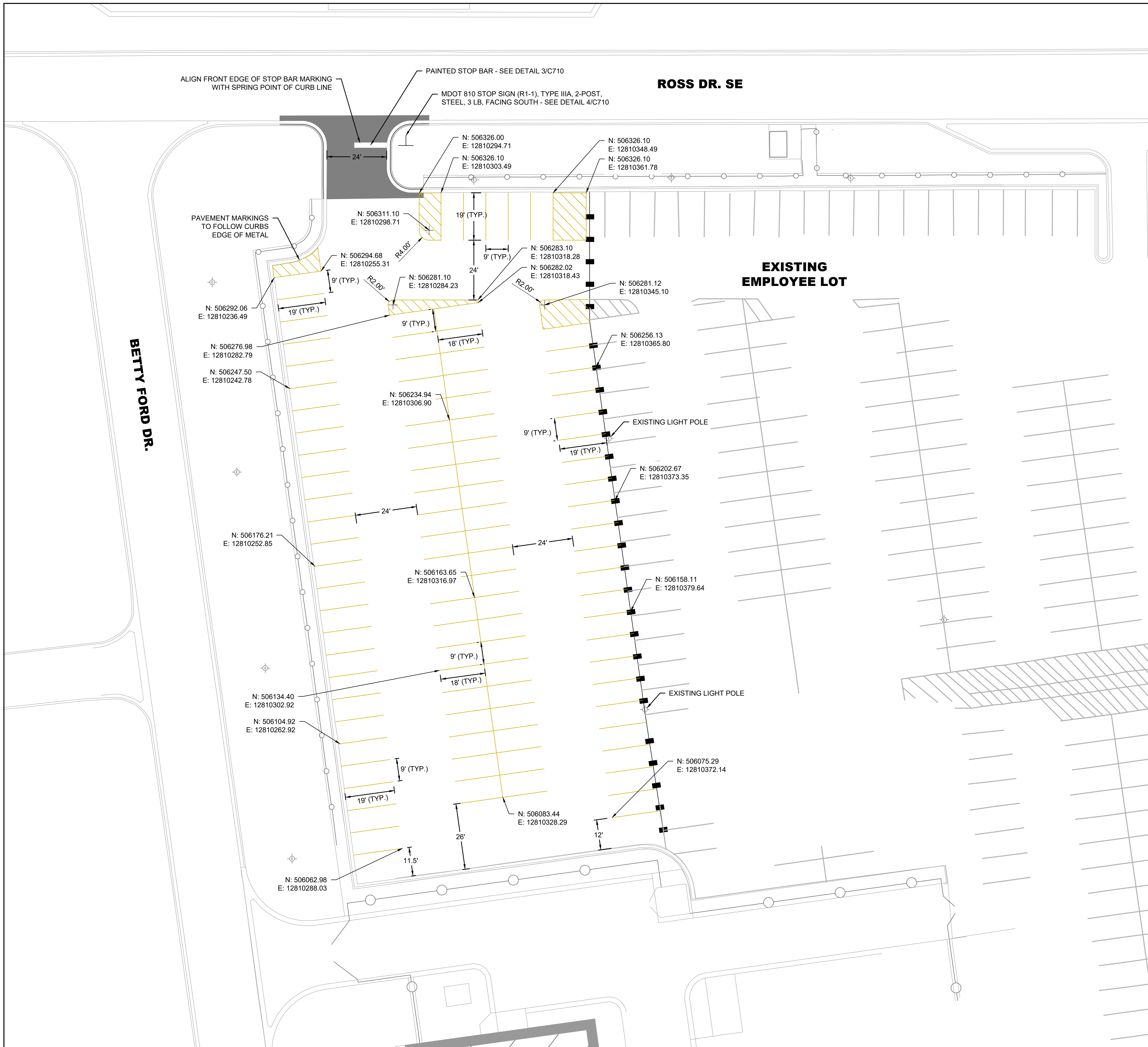
**TYPICAL JOINTING DETAILS**

SHEET NUMBER





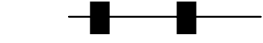
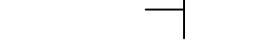

**C220**

**BID DOCUMENTS**

PLOTTED ON: 2/13/2023  
 PLOTTED BY: DILLBERM  
 FILE LOCATION: P:\GERALD\_FORD\_INTL\10100085\_GRR\_ENTRY\_AND\_FUEL\10100085003\_GRR\_CELL\_LOT03.00 PROJECT  
 EXECUTION\03.05 CAD\C\GRR-CELL-C700.DWG



**LEGEND**

-  PROPOSED CONCRETE PAVEMENT
-  EXISTING PAVEMENT MARKINGS
-  PROPOSED PAVEMENT MARKING, YELLOW (BY OWNER)
-  PROPOSED PAVEMENT MARKING, WHITE (BY OWNER)
-  PROPOSED MOVEABLE BARRICADES (BY OWNER)
-  PROPOSED STOP SIGN (BY CONTRACTOR)
-  EXISTING LIGHT POLE

**NOTES**

1. ALL DIMENSIONS SHOWN FROM MARKING REFERENCE POINT TO MARKING REFERENCE POINT. SEE SHEETS C710 FOR PAVEMENT MARKING DETAILS.
2. PROPOSED PAVEMENT MARKINGS ARE SHOWN FOR OWNER USE ONLY. GFIAA INTENDS TO SELF PERFORM THE APPLICATION OF ALL PROPOSED PAVEMENT MARKINGS.



**RS&H Michigan, Inc.**  
 436 S. MAIN STREET  
 PLYMOUTH, MICHIGAN 48170  
 PH: 734-456-7060  
 FAX: 1-800-464-4358  
 www.rsandh.com



**GERALD R. FORD INTERNATIONAL AIRPORT**

**RELOCATE CELL PHONE LOT**



**REVISIONS**

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003  
 GFIAA REQUEST NUMBER  
 2510

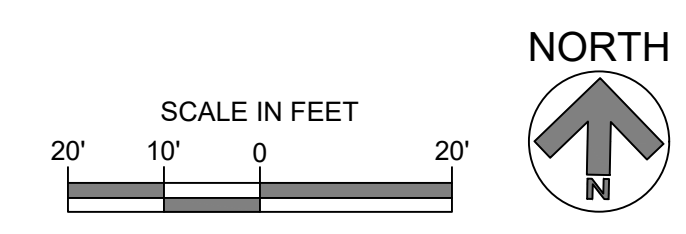
© 2025 RS&H, INC.  
**SHEET TITLE**

**PAVEMENT MARKING & SIGNAGE PLAN**

**SHEET NUMBER**

**C701**

**BID DOCUMENTS**





| REVISIONS |             |      |
|-----------|-------------|------|
| NO.       | DESCRIPTION | DATE |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |

DATE ISSUED: APRIL 2025  
 REVIEWED BY: APD  
 DRAWN BY: MJD  
 DESIGNED BY: MJD

RS&H PROJECT NUMBER  
 1010-0085-003  
 GFIAA REQUEST NUMBER  
 2510

© 2025 RS&H, INC.

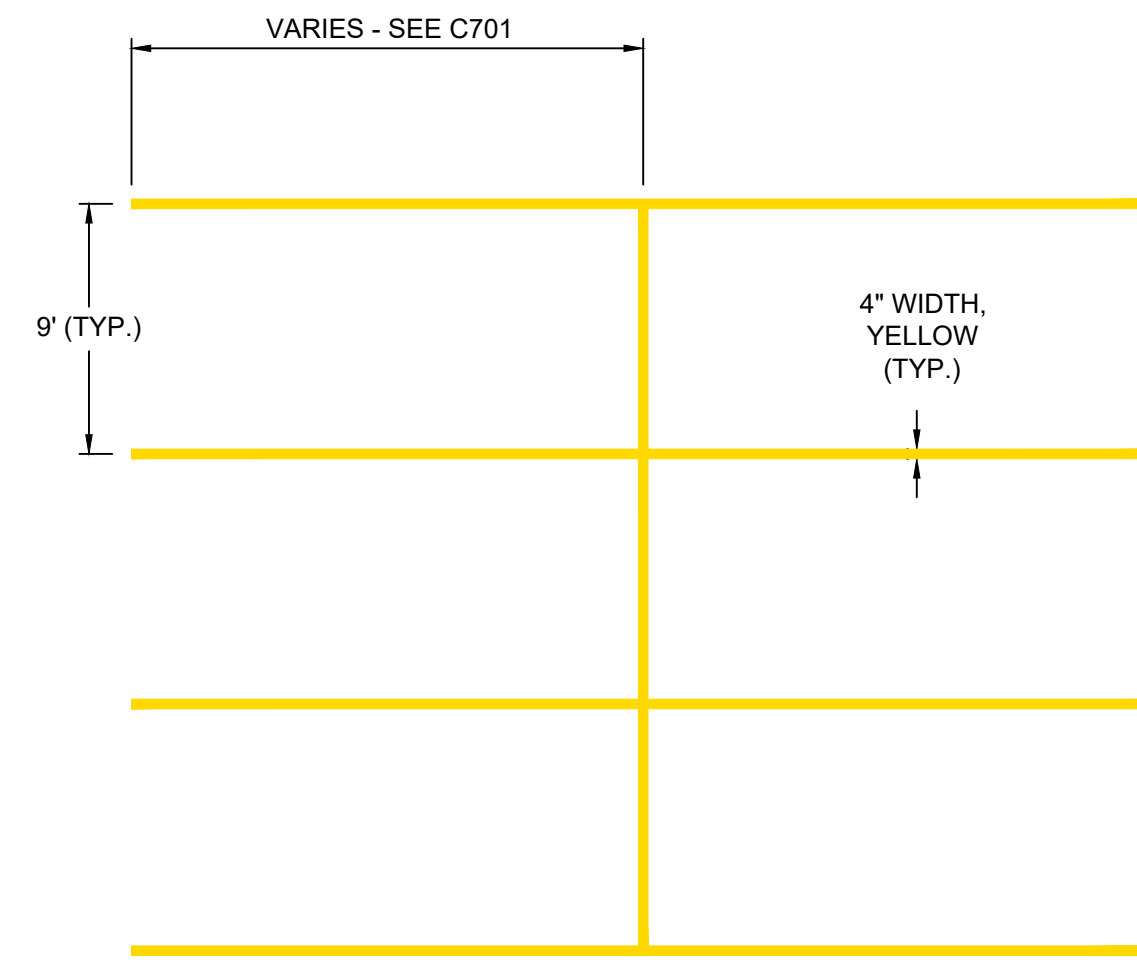
SHEET TITLE

**PAVEMENT MARKING & SIGNAGE DETAILS**

SHEET NUMBER

**C710**

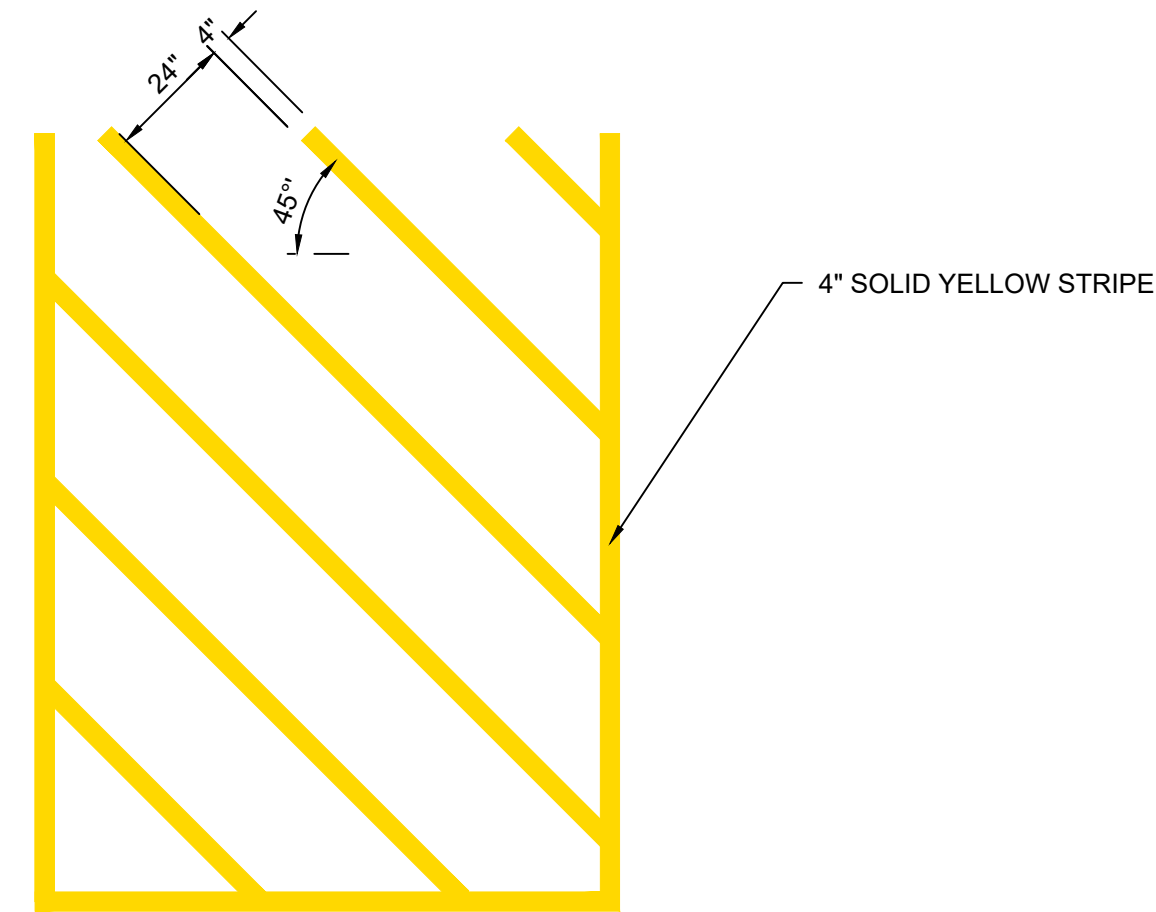
**BID DOCUMENTS**



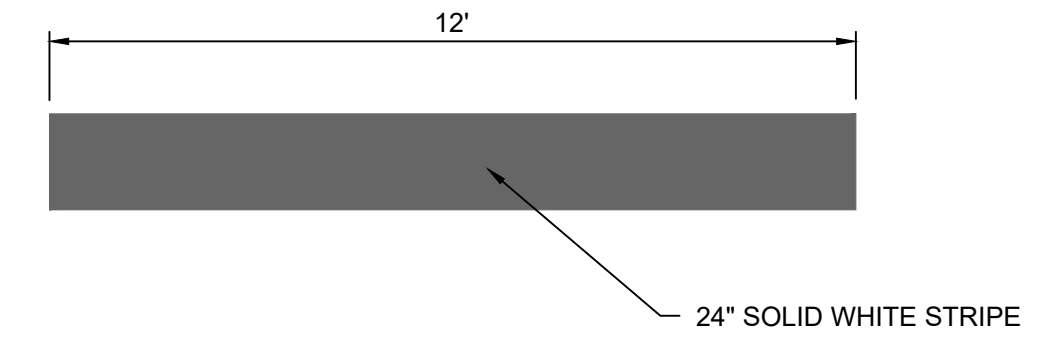
**1 TYPICAL PARKING LAYOUT - BY OWNER**  
 C710 SCALE: NTS

NOTES:

- CENTER PARKING STALLS ARE 9' X 18'. OUTERMOST PARKING STALLS ARE 9' X 19'.



**2 PARKING LOT CROSS HATCH MARKING - BY OWNER**  
 C710 SCALE: NTS



**3 PAINTED STOP BAR - BY OWNER**  
 C710 SCALE: NTS



R1-1 STOP SIGN  
 (24" ACROSS FLATS)

COLORS:  
 LEGEND - WHITE (RETROREFLECTIVE)  
 BACKGROUND - RED (RETROREFLECTIVE)

REF: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES  
 (MUTCD) STANDARD HIGHWAY SIGNS 2009 WITH REVISIONS 1 AND 2 (ENGLISH) EDITION

**4 STOP SIGN - BY CONTRACTOR**  
 C710 SCALE: NTS

NOTES:

- ALIGN STOP SIGN WITH CENTER OF PAINTED STOP BAR.