APPENDICIES
APPENDIX A

PHASE V DEVELOPMENT CONSTRUCTION PLANS
### Overview

**Title:** Overall Existing Conditions Plan

**Consultant:** Gordon Programming and Planning

**Architect/Engineer of Record:** Gordon Programming and Planning

**Office of Construction and Facilities Management:** U.S. Department of Veterans Affairs

**Location:** Harris County, Texas

**Project Number:** 851PC2048

**Issue Date:** August 30, 2019

### Notes

1. Outlines of existing burial sections are approximate locations gathered from Houston National Cemetery record drawings.
2. Basis of bearing:
   - GPS NAD83/NAVD88, Texas State Plane 4204 coordinates, grid
3. Horizontal and vertical control datum:
   - NAD83/NAVD88, Texas State Plane 4204 coordinates, grid
   - Vertical data from Phase IV Project, No. 851CM2043 requires a correction of -0.52 feet (subtract from old data)

### Overall Existing Conditions

**Graphic Legend:**
- **Existing Property Line**
- **Existing Burial Section**
- **Site Control Points**
- **Columbarium Wall**
- **GPS Control Points**

### Plan Details

<table>
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<tr>
<th>CP #</th>
<th>Property</th>
<th>Northing</th>
<th>Easting</th>
<th>Elevation</th>
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<td>1</td>
<td>3/4&quot; IR W/CAP AT SHELTER D</td>
<td>13902157.02</td>
<td>3094565.56</td>
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<td>2</td>
<td>XMARK-CURB-INLET AT SHELTER-C</td>
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<td>3093592.39</td>
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</table>

### Construction Documents 1

**Project Director:** VL 100

**Coordinator:** U.S. Department of Veterans Affairs

**Building Number:** 148 S. Queen Street, Suite 201

**Phone:** 304-725-8456

**Website:** www.gordon-us.com
SEQUENCE OF CONSTRUCTION

PHASE I:

1. INSTALL TEMPORARY SEEDING.
2. INSTALL PHASE II INLET PROTECTION ON EXISTING STORM DRAIN INLETS AS SHOWN ON SHEETS 16 - EROSION AND SEDIMENT CONTROL PLAN AREA 1.
3. INSTALL PHASE I FILTER FABRIC END SECTION AT EACH OUTLET STRUCTURE AS EACH STRUCTURE IS INSTALLED.
4. INSTALL UNDERGROUND UTILITIES, INCLUDING STORM SEWER, SANITARY SEWER AND WATER LINES.
5. CONSTRUCT THE BASE PAVEMENT FOR ROADWAYS, DRIVE AISLES, AND PARKING AREAS, AND INSTALL CURB SECTIONS.
6. INSTALL PERIMETER CONTROLS SUCH AS PHASE I FILTER FABRIC FENCE. STABILIZE ALL EROSION AND SEDIMENT CONTROL MEASURES IMMEDIATELY AFTER INSTALLATION. STABILIZE AREAS BETWEEN PERIMETER SEDIMENT CONTROL MEASURES AND OUTLET PROTECTION TO PREVENT THEM FROM BEING MOVED OR DISTURBED.
7. CONTACT TEXAS 811 AT 1-800-344-8377 OR BY DIALING 811 ON A TEXAS PHONE LINE OR TEXAS811.ORG, AT LEAST THREE WORKING DAYS BEFORE THE DATE OF GROUND DISTURBANCE.
8. CLEAR AND GRUB AREAS FOR THE INSTALLATION OF PHASE I PERIMETER CONTROLS. ONLY THE MINIMUM AREAS NECESSARY TO CLEAR AND GRUB AREAS FOR PHASE I PERIMETER CONTROLS SHALL BE CLEARED AND GRUBBED.
9. INSTALL PERIMETER EROSION CONTROL MEASURES SHALL BE CLEARED AND GRUBBED AS CALICO OR OTHER HARD COVER MATERIAL IS INSTALLED.
10. REMOVE UNTIL ALL UP-SLOPE AREAS THAT DRAIN TO THEM HAVE BEEN STABILIZED.
11. FINAL GRADE ALL AREAS OF THE SITE LEAVING SEDIMENT CONTROLS IN PLACE AS NEEDED. SPREAD TOPSOIL OVER AREAS TO BE RESTORED OR RESURFACED.
12. ROUGH GRADE THE SITE INCLUDING ROADWAYS, DRIVE AISLES, PARKING AREAS, AND SWALES.
13. RE-GRADE POND A. UTILIZE SURFACE ROUGHING AFTER ROUGH GRADING. THE EARTHEN EMBANKMENTS AS SHOWN WITH THE WALLS AND EMBANKMENTS WERE FINISHED LEVEL AT THE COMPLETION OF THE MOST RECENT LAND DISTURBING ACTIVITY. DISTURBED AREAS SHALL BE SEEDED AND MULCHED IF THEY ARE TO REMAIN UNDISTURBED FOR 14 DAYS OR LONGER.
14. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED THROUGHOUT CONSTRUCTION.
15. CONTACT TEXAS 811 AT 1-800-344-8377 OR BY DIALING 811 ON A TEXAS PHONE LINE OR TEXAS811.ORG, AT LEAST THREE WORKING DAYS BEFORE THE DATE OF GROUND DISTURBANCE.
16. INSTALL ALL PHASE I INLET PROTECTION ON EXISTING STORM DRAIN INLETS AS SHOWN ON SHEETS 16 - EROSION AND SEDIMENT CONTROL PLAN AREA 1.
17. INSTALL PHASE II FILTER FABRIC TO NEWLY STABILIZED POND EMBANKMENT.
18. INSTALL TEMPORARY STONE ACCESS AND ESTABLISH A PROTECTED STAGING AND EQUIPMENT PARKING AREA (RE/COR TRAILER).
19. INSTALL RIP RAP-END SECTION AT EACH OUTLET STRUCTURE AS EACH STRUCTURE IS INSTALLED.
20. INSTALL PERIMETER CONTROLS SUCH AS PHASE I FILTER FABRIC FENCE. STABILIZE ALL EROSION AND SEDIMENT CONTROL MEASURES IMMEDIATELY AFTER INSTALLATION. STABILIZE AREAS BETWEEN PERIMETER SEDIMENT CONTROL MEASURES AND OUTLET PROTECTION TO PREVENT THEM FROM BEING MOVED OR DISTURBED.
21. INSTALL OUTPUT PROTECTION.
22. INSTALL PHASE I SEDIMENT CONTROL PLAN AREA 1  AND 17 - EROSION AND SEDIMENT CONTROL Plan Area 2.

PHASE II:

1. INSTALL PHASE II FILTER FABRIC FENCE.
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22. INSTALL PHASE II FILTER FABRIC FENCE.

SEQUENCE OF CONSTRUCTION
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**PHASE I:**
- Complete following construction BMP's for initial clearing and grubbing of Phase I operations:
  - Install Phase I inlet protection on existing storm drain inlets as shown on sheets 16 - Erosion and Sediment Control Plan Area 1 and 15 - Construction Documents 1.
  - Install temporary stone access and establish a protected staging and equipment parking area (re/cor trailer).
  - Install perimeter controls such as Phase I filter fabric fence. Stabilize all erosion and sediment control measures, which are not in conflict with final construction and provide effective control, shall remain in place throughout the entire site development.
  - Complete removal of temporary erosion and sediment control BMP's. Stabilize any areas disturbed by the removal of temporary erosion and sediment control BMP's. Complete all temporary erosion and sediment control BMP's that remain unerased on the final map.

**PHASE II:**
- Complete following construction BMP's for final grading operations:
  - Complete temporary construction fencing per sheet 14 - Temporary Construction Fencing Plan Area 1 and 17 - Erosion and Sediment Control Plan Area 2.
  - Complete removal of temporary erosion and sediment control BMP's. Stabilize any areas disturbed by the removal of temporary erosion and sediment control BMP's. Complete all temporary erosion and sediment control BMP's that remain unerased on the final map.

**PHASE III:**
- Complete following construction BMP's for the final stages of site development:
  - Complete following construction BMP's for final grading operations:
  - Complete removal of temporary erosion and sediment control BMP's. Stabilize any areas disturbed by the removal of temporary erosion and sediment control BMP's. Complete all temporary erosion and sediment control BMP's that remain unerased on the final map.

**PHASE IV:**
- Complete following construction BMP's for the final stages of site development:
  - Complete removal of temporary erosion and sediment control BMP's. Stabilize any areas disturbed by the removal of temporary erosion and sediment control BMP's. Complete all temporary erosion and sediment control BMP's that remain unerased on the final map.

**PHASE V:**
- Complete following construction BMP's for the final stages of site development:
  - Complete removal of temporary erosion and sediment control BMP's. Stabilize any areas disturbed by the removal of temporary erosion and sediment control BMP's. Complete all temporary erosion and sediment control BMP's that remain unerased on the final map.
EROSION AND SEDIMENT CONTROL NOTES:

1. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE
2. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH
3. E&S BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE
4. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR
5. FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
6. NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
7. THE SOIL EROSION WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENTS BY THE
8. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN
9. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED
10. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO
11. GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED
12. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES, 6
13. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN
14. GENERAL Site CLEARING, GRUBBING AND TOPSOIL
15. AREAS TO BE VEGETATED
16. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES,
17. THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO
18. MAINTENANCE SHALL INCLUDE INSPECTIONS OF
19. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY HARRIS
20. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE
21. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL
22. SEE SLOW HANDLING IN ACCORDANCE WITH
23. E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND
24. TO 12 INCHES ON COMPACTED SOILS, PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED
25. TO 12 INCHES ON COMPACTED SOILS, PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED
26. STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH
27. RE/MONITOR SHALL INVITE ALL CONTRACTORS, THE CEMETERY DIRECTOR, APPROPRIATE
28. TEMPORARY EROSION AND SEDIMENT BMP'S
29. E&S PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE
30. VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
31. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN
32. A FARMING DISK SHALL NOT BE USED FOR SURFACE ROUGHENING.
33. A FARMING DISK SHALL NOT BE USED FOR SURFACE ROUGHENING.
34. IN THE CONSTRUCTION SEQUENCE, SURFACE ROUGHENING IS NOT REQUIRED.
35. SURFACE ROUGHENING SHALL BE PROVIDED PROMPTLY AFTER COMPLETION OF FINISHED
36. PLANTING DATE
37. RATES OF APPLICATION
38. APR. 1 TO OCT. 1
39. OCT. 1 TO JAN. 1
40. MIX BERMUDA AND ANNUAL RYE IN
41. FOLLOWING PROPORTIONS
42. PERCENTAGE OF SEED, AND SOURCE OR ORIGIN. REFER TO TABLE FOR PLANTING DATE, TYPE, AND RATE.
43. SEEDS; CONFORM TO REQUIREMENTS OF USDA RULES AND REGULATIONS AS SET FORTH OF
44. TEMPORARY EROSION CONTROL SEEDING INSTALLATION NOTES:
45. SEEDS; CONFORM TO REQUIREMENTS OF USDA RULES AND REGULATIONS AS SET FORTH OF
46. TEMPORARY EROSION CONTROL SEEDING INSTALLATION NOTES:
47. SEEDS; CONFORM TO REQUIREMENTS OF USDA RULES AND REGULATIONS AS SET FORTH OF
48. TEMPORARY EROSION CONTROL SEEDING INSTALLATION NOTES:
49. SEEDS; CONFORM TO REQUIREMENTS OF USDA RULES AND REGULATIONS AS SET FORTH OF
50. TEMPORARY EROSION CONTROL SEEDING INSTALLATION NOTES: