

LEGEND	
	EXISTING PERMIT BOUNDARY
	PROPOSED PERMIT BOUNDARY
	PERMITTED LIMIT OF WASTE
	FINAL COVER CONTOUR

ALTERNATIVE 2 – AVOIDANCE OF EXISTING JURISDICTIONAL WATERS

THIS OPTION INVOLVES THE AVOIDANCE OF THE EXISTING JURISDICTIONAL WATERS AND DEVELOPMENT OF A SEPARATE UNIT ON THE EAST SIDE OF CAMPBELL CREEK. THIS OPTION WAS ELIMINATED FROM CONSIDERATION FOR THE FOLLOWING REASONS:

- THE DEVELOPMENT OF AREA OUTSIDE OF THE EXISTING JURISDICTIONAL WATERS WOULD CREATE AN INEFFICIENT DESIGN AND MINIMIZE THE SOLID WASTE DISPOSAL CAPACITY DUE TO OPERATIONAL LIMITATIONS. THIS ALTERNATIVE WOULD LOSE 6,500,000 CY OF PERMITTED AIRSPACE OF THE WEST SIDE OF CAMPBELL CREEK AND GAIN 6,300,000 CY OF AIRSPACE ON THE EAST SIDE OF CAMPBELL CREEK. THEREFORE, THIS ALTERNATIVE DECREASES THE CAPACITY AND THE LIFE OF THE SITE.
- AVOIDANCE OF THE EXISTING JURISDICTIONAL WATERS WOULD NOT PROVIDE ANY EXPANSION VOLUME FOR THE LANDFILL. THIS WOULD LEAD TO THE NEED TO DEVELOP A NEW LANDFILL, SEE ALTERNATIVES 6 THROUGH 8 AND FIGURES 3-5 THROUGH 3-8. THE SELECTED ALTERNATIVE (FIGURE 3-9) WOULD PROVIDE 17 YEARS OF OPERATIONAL AIRSPACE.
- THE DEVELOPMENT OF AREA OUTSIDE OF JURISDICTIONAL WATERS WOULD NOT BE A GOOD UTILIZATION OF RESOURCES (LAND) CONSIDERING THE ADJACENT COMPATIBLE LAND USE (LANDFILL).
- OKLAHOMA CITY HAS APPROVED THE SELECTED ALTERNATIVE, FIGURE 3-9, AND THE EXISTING SITE IS CURRENTLY ZONED TO BE CONSISTENT WITH THE SELECTED ALTERNATIVE. THEREFORE, IF THE SITE IS NOT EXPANDED BASED ON THE SELECTED ALTERNATIVE, THE SITE WILL NOT COMPLY WITH OKLAHOMA CITY'S REQUIREMENTS.

<input type="checkbox"/> DRAFT
<input checked="" type="checkbox"/> FOR INFORMATION PURPOSES ONLY
<input type="checkbox"/> ISSUED FOR CONSTRUCTION

DATE: 12/2021
FILE: 0601-01-11
CAD: FIG 3-2-ALT. ASSESSMENT.DWG

DRAWN BY: SRP
DESIGN BY: JRP
REVIEWED BY: JVO

PREPARED FOR	
OKLAHOMA CITY WASTE DISPOSAL, INC.	

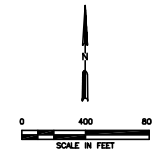
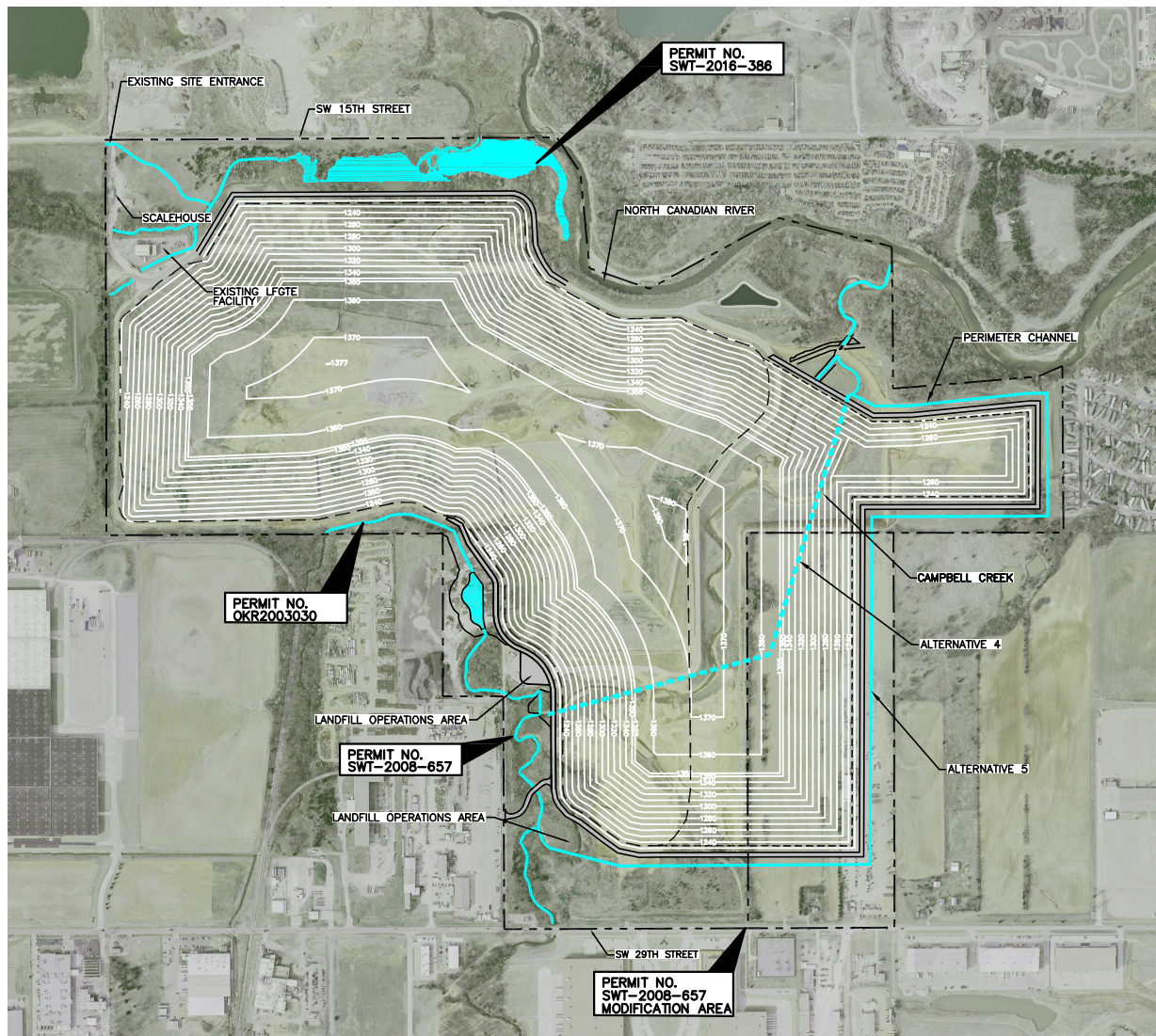
REVISIONS	
NO.	DATE

SECTION 404 INDIVIDUAL PERMIT ALTERNATIVE ASSESSMENT 2

OKLAHOMA LANDFILL
OKLAHOMA COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE 3-2



LEGEND	
---	EXISTING PERMIT BOUNDARY
---	PROPOSED PERMIT BOUNDARY
---	PERMITTED LIMIT OF WASTE
---	PROPOSED LIMIT OF WASTE
---	FINAL COVER CONTOUR

ALTERNATIVE 4 – CULVERT BELOW LANDFILL

THIS OPTION OR OPTION 5 WOULD BE THE MOST ECONOMICAL OPTION FOR OKLAHOMA CITY WASTE DISPOSAL, INC. THIS OPTION OR OPTION 5 WOULD ALLOW THE SITE TO BE DEVELOPED TO MAXIMIZE THE SOLID WASTE DISPOSAL CAPACITY (86.3 ACRES). HOWEVER, THIS OPTION INVOLVES THE PLACEMENT OF A CULVERT UNDERNEATH THE LANDFILL IN ORDER TO CONTAIN THE JURISDICTIONAL CHANNEL. THIS OPTION WAS ELIMINATED FROM CONSIDERATION FOR THE FOLLOWING REASONS:

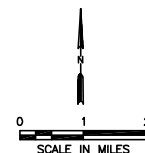
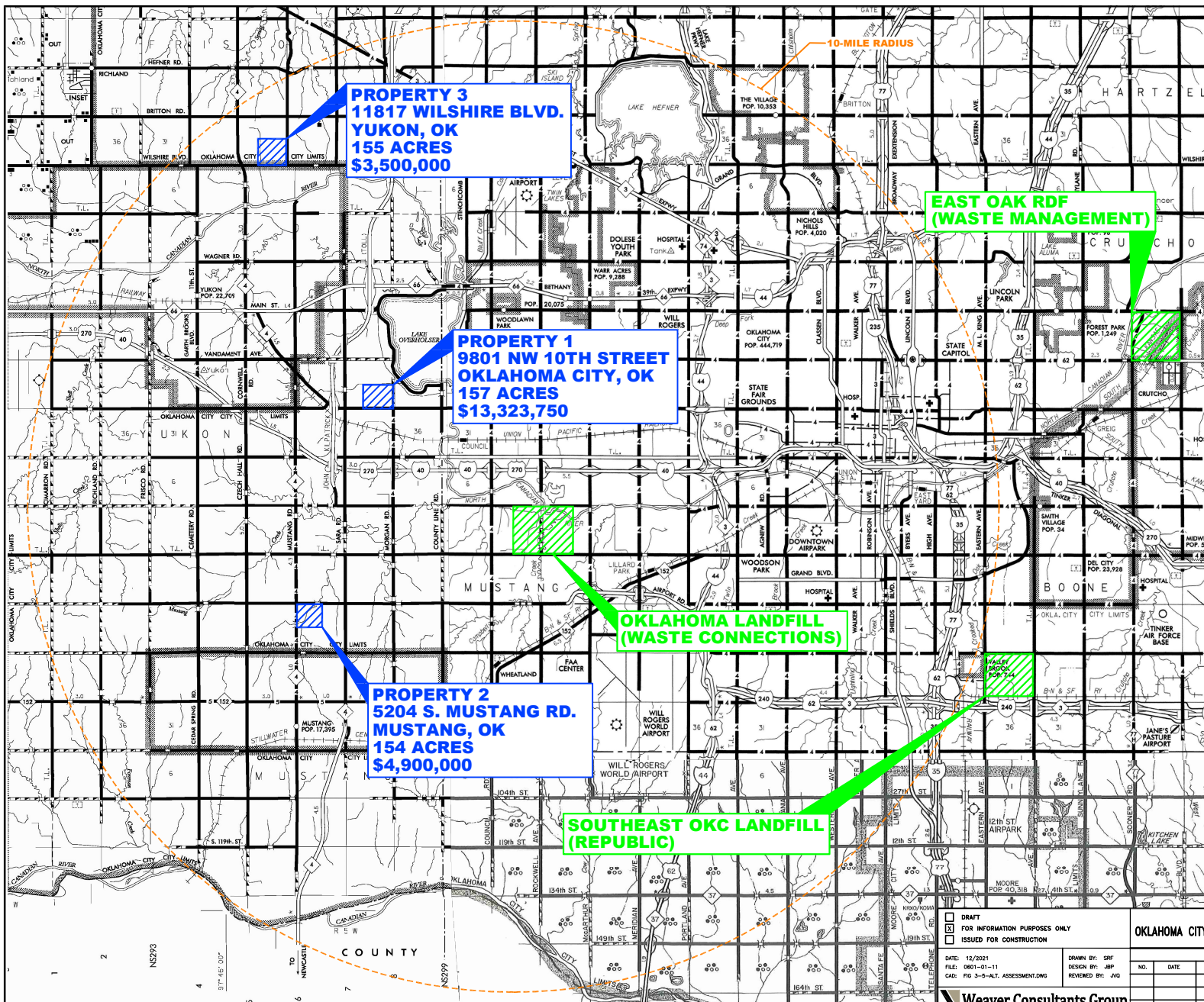
- THE DEVELOPMENT OF A CULVERT CHANNEL BELOW THE LANDFILL WOULD LIKELY HAVE TECHNICAL ISSUES. THIS OPTION HAS BEEN IMPLEMENTED WITH MIXED RESULTS (E.G., POTENTIAL FOR CULVERT FAILURE BELOW IS AN ISSUE). FOR EXAMPLES, IF THE CULVERT IS CLOGGED OR FAILS, A REPAIR TO THE CULVERT IS DIFFICULT.
- THE DEVELOPMENT OF THIS OPTION WOULD NOT ALLOW FOR THE ON-SITE CREATION OF RELOCATED MEANDERING CREEK, ADDITIONAL WATERS OF THE US, OR WETLANDS.
- THE DEVELOPMENT OF THIS OPTION WOULD NOT ALLOW FOR THE DEVELOPMENT OF SEDIMENTATION PONDS TO COLLECT, CONTROL, AND CONVEY STORMWATER OFF THE SITE.
- OKLAHOMA CITY HAS APPROVED THE SELECTED ALTERNATIVE, FIGURE 3-9, AND THE EXISTING SITE IS CURRENTLY ZONED TO BE CONSISTENT WITH THE SELECTED ALTERNATIVE. THEREFORE, IF THE SITE IS NOT EXPANDED BASED ON THE SELECTED ALTERNATIVE, THE SITE WILL NOT COMPLY WITH OKLAHOMA CITY'S REQUIREMENTS.

ALTERNATIVE 5 – PERIMETER CHANNEL

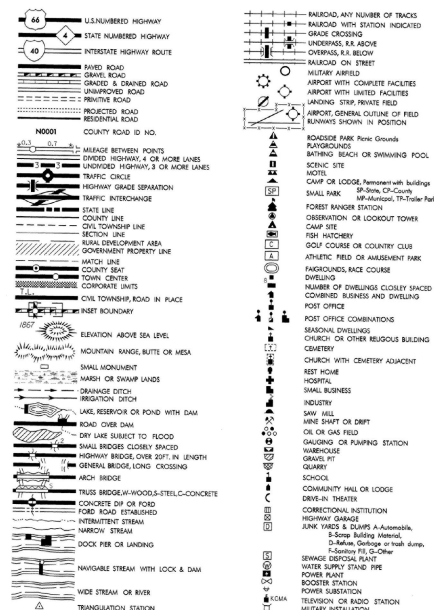
THIS OPTION OR OPTION 4 WOULD BE THE MOST ECONOMICAL OPTION FOR OKLAHOMA CITY WASTE DISPOSAL, INC. THIS OPTION OR OPTION 4 WOULD ALLOW THE SITE TO BE DEVELOPED TO MAXIMIZE THE SOLID WASTE DISPOSAL CAPACITY (86.3 ACRES). HOWEVER, THIS OPTION INVOLVES THE GRADING AND CONSTRUCTION OF A PERIMETER CHANNEL TO REPLACE THE JURISDICTIONAL CHANNEL. THIS OPTION WAS ELIMINATED FROM CONSIDERATION FOR THE FOLLOWING REASONS:

- THE DEVELOPMENT OF THIS OPTION WOULD NOT ALLOW FOR THE ON-SITE CREATION OF RELOCATED MEANDERING CREEK, ADDITIONAL WATERS OF THE US, OR WETLANDS.
- THE DEVELOPMENT OF THIS OPTION WOULD NOT ALLOW FOR THE DEVELOPMENT OF SEDIMENTATION PONDS TO COLLECT, CONTROL, AND CONVEY STORMWATER OFF THE SITE.
- OKLAHOMA CITY HAS APPROVED THE SELECTED ALTERNATIVE, FIGURE 3-9, AND THE EXISTING SITE IS CURRENTLY ZONED TO BE CONSISTENT WITH THE SELECTED ALTERNATIVE. THEREFORE, IF THE SITE IS NOT EXPANDED BASED ON THE SELECTED ALTERNATIVE, THE SITE WILL NOT COMPLY WITH OKLAHOMA CITY'S REQUIREMENTS.

<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> FOR INFORMATION PURPOSES ONLY <input type="checkbox"/> ISSUED FOR CONSTRUCTION		PREPARED FOR OKLAHOMA CITY WASTE DISPOSAL, INC.		SECTION 404 INDIVIDUAL PERMIT ALTERNATIVE ASSESSMENT 4 AND 5	
DATE: 12/2021 FILE: 0801-01-11 CAD: FIG 3-4-ALT. ASSESSMENT.DWG		DRAWN BY: SPF DESIGN BY: JBP REVIEWED BY: JVO		OKLAHOMA LANDFILL OKLAHOMA COUNTY, OKLAHOMA	
REVISIONS		NO. DATE DESCRIPTION		WWW.WCGRP.COM	
1		12/2021		FIGURE 3-4	



LEGEND



OFF-SITE PROPERTY ALTERNATIVE

WCG UTILIZED LOOPNET (WWW.LOOPNET.COM) TO SEARCH FOR PROPERTIES FOR SALE WITHIN THE OKLAHOMA CITY METRO AREA, WITHIN 10 MILES OF THE CURRENT LANDFILL. THE CURRENT OKLAHOMA CITY WASTE DISPOSAL, INC. SITE IS 475 ACRES. HOWEVER, A SEARCH OF 400 ACRES OR GREATER YIELDED NO RESULTS. A SEARCH FOR PROPERTIES 100 ACRES OR GREATER YIELDED 3 LOCATIONS. THESE 3 PROPERTIES WERE EVALUATED AS ALTERNATIVES 6 THROUGH 8 ON FIGURES 3-6 THROUGH 3-8.

NOTES:

1. REPRODUCED FROM GENERAL HIGHWAY MAP, OKLAHOMA COUNTY, OKLAHOMA (OKDOT PLANNING DIVISION, APRIL 1999), GENERAL HIGHWAY MAP, CLEVELAND COUNTY, OKLAHOMA (OKDOT PLANNING DIVISION, AUGUST 1991), AND GENERAL HIGHWAY MAP, CANADIAN COUNTY, OKLAHOMA (OKDOT PLANNING DIVISION, APRIL 1999).

DRAFT
FOR INFORMATION PURPOSES ONLY
ISSUED FOR CONSTRUCTION

DATE: 12/2021
FILE: 0601-01-11
CAP: FIG 3-5-ALT. ASSESSMENT.DWG

DRAWN BY: SPF
DESIGN BY: JBP
REVIEWED BY: JWD

PREPARED FOR
OKLAHOMA CITY WASTE DISPOSAL, INC.

REVISIONS

NO. DATE DESCRIPTION

1. 06/31/2023

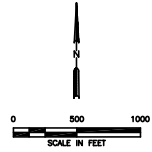
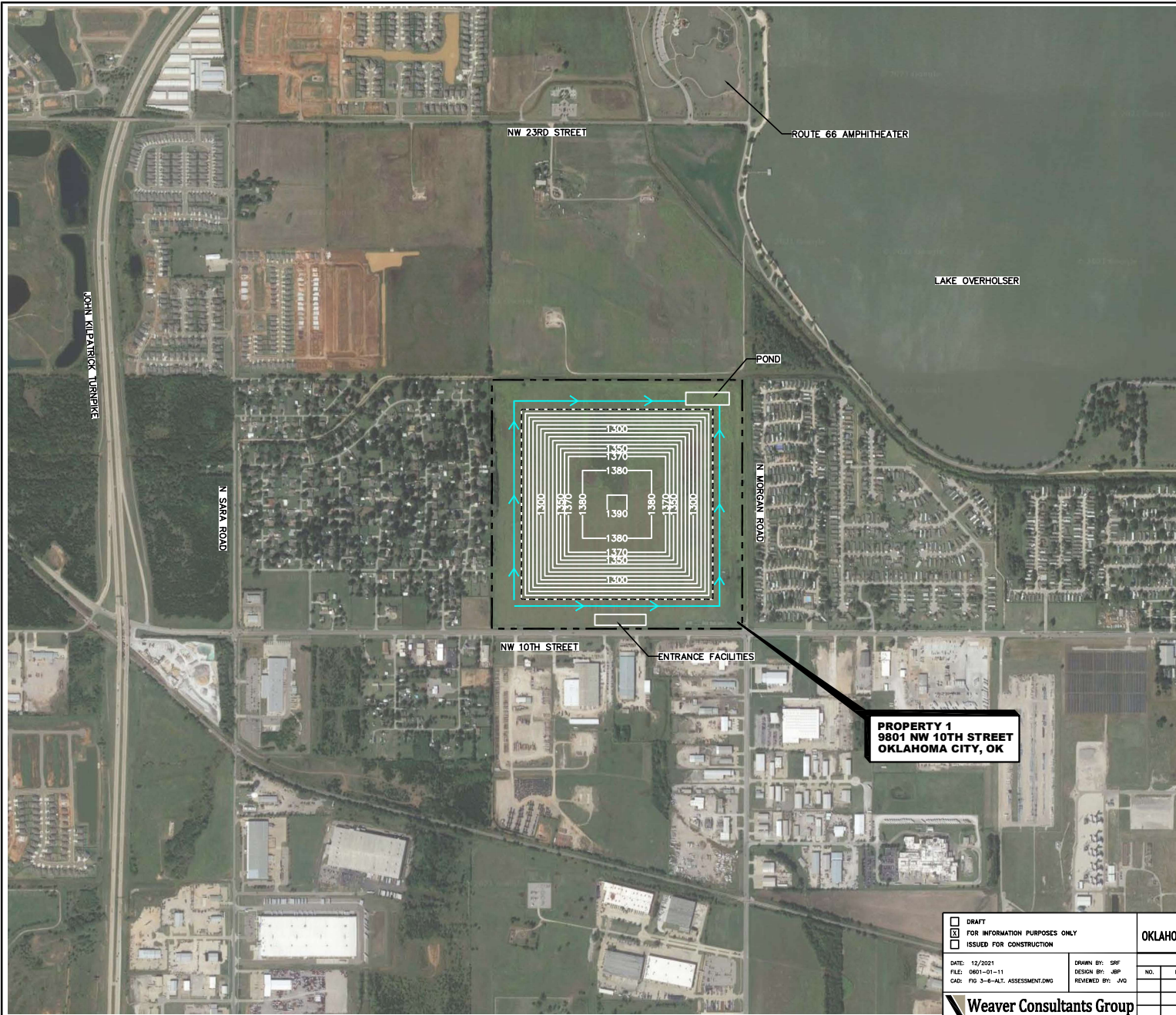
Weaver Consultants Group
CA 3804 PE - 06/31/2023

SECTION 404 INDIVIDUAL PERMIT
ALTERNATIVE ASSESSMENT 6
THROUGH 8 OFF-SITE ALTERNATIVES

OKLAHOMA LANDFILL
OKLAHOMA COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE 3-5



LEGEND

--- APPROXIMATE PROPERTY BOUNDARY

ALTERNATIVE 6 – OFFSITE PROPERTY OPTION 1

THIS OPTION INVOLVES NOT EXPANDING THE EXISTING LANDFILL AND PERMITTING A NEW LANDFILL AT A SEPARATE LOCATION. THIS OPTION WAS ELIMINATED FROM CONSIDERATION FOR THE FOLLOWING REASONS:

- THE LISTED PURCHASE PRICE FOR THIS PROPERTY IS \$13,323,750. THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. OWNS THE PROPERTY ADJACENT TO THEIR FACILITY.
- THIS ALTERNATIVE WOULD PROVIDE 11,639,000 CY OF OPERATIONAL AIRSPACE FROM THE DEVELOPMENT OF 87.0 ACRES OF LANDFILL. THIS REPRESENTS APPROXIMATELY 134,000 CY OF OPERATIONAL AIRSPACE PER ACRE. THE SELECTED ALTERNATIVE (FIGURE 3-9) WOULD PROVIDE 9,840,000 CY OF OPERATIONAL AIRSPACE FROM THE DEVELOPMENT OF 48.7 ACRES OF LANDFILL. THIS REPRESENTS APPROXIMATELY 202,000 CY OF OPERATIONAL AIRSPACE PER ACRE. THE SELECTED ALTERNATIVE WOULD PROVIDE APPROXIMATELY 1.5 TIMES THE OPERATIONAL AIRSPACE PER ACRE THAN DEVELOPING ALTERNATIVE 6.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE OKLAHOMA CITY WASTE DISPOSAL, INC. TO OBTAIN A NEW MSW PERMIT FROM ODEQ FOR A GREENFIELD SITE. THIS WOULD CREATE UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. HAS A PERMIT FOR LANDFILL OPERATIONS AT THEIR CURRENT LOCATION.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE THE DEVELOPMENT OF OPERATIONAL INFRASTRUCTURE (I.E., OFFICES, SCALEHOUSE, MAINTENANCE SHOP, FLARE, ENTRANCE ROAD, UTILITIES, ETC.) THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN (APPROXIMATELY \$1,500,000) CONSIDERING THIS INFRASTRUCTURE IS IN-PLACE AND OPERATIONAL AT THE CURRENT FACILITY.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE OKLAHOMA CITY WASTE DISPOSAL, INC. TO OBTAIN LOCAL ZONING APPROVAL. THIS WOULD CREATE UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. HAS ZONING APPROVAL FOR LANDFILL OPERATIONS AT THE CURRENT LANDFILL.
- GIVEN THE ADJACENT AND SURROUNDING LAND USE (RESIDENTIAL AND RECREATIONAL) DEVELOPMENT OF A LANDFILL ON THIS PROPERTY WOULD NOT BE A GOOD UTILIZATION OF RESOURCES (LAND) CONSIDERING THE AVAILABILITY OF RESOURCES (LAND) ADJACENT TO A COMPATIBLE LAND USE (LANDFILL).

☐ DRAFT
☒ FOR INFORMATION PURPOSES ONLY
☐ ISSUED FOR CONSTRUCTION

DATE: 12/2021
FILE: 0601-01-11
CAD: FIG 3-6-ALT. ASSESSMENT.DWG

DRAWN BY: SPF
DESIGN BY: JBP
REVIEWED BY: JWD

PREPARED FOR
OKLAHOMA CITY WASTE DISPOSAL, INC.

REVISIONS		
NO.	DATE	DESCRIPTION

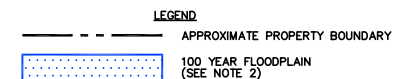
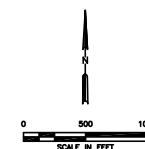
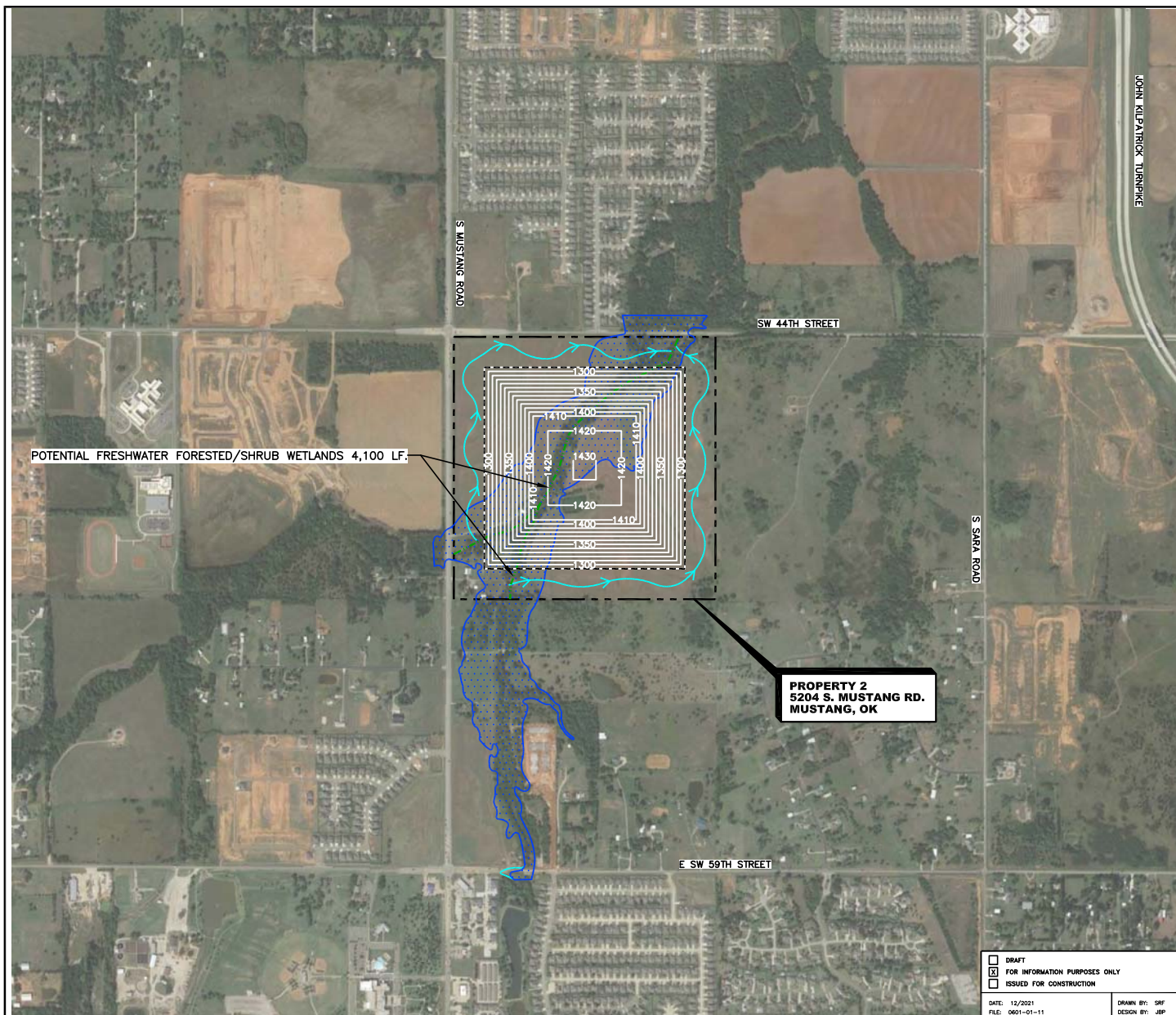
SECTION 404 INDIVIDUAL PERMIT
ALTERNATIVE ASSESSMENT 6

OKLAHOMA LANDFILL
OKLAHOMA COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE 3-6

Weaver Consultants Group
CA 3804 PE - 05/31/2023



ALTERNATIVE 7 – OFFSITE PROPERTY OPTION 2

THIS OPTION INVOLVES NOT EXPANDING THE EXISTING LANDFILL AND PERMITTING A NEW LANDFILL AT A SEPARATE LOCATION. THIS OPTION WAS ELIMINATED FROM CONSIDERATION FOR THE FOLLOWING REASONS:

- THE LISTED PURCHASE PRICE FOR THIS PROPERTY IS \$4,900,000. THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. OWNS THE PROPERTY ADJACENT TO THEIR FACILITY.
- THIS ALTERNATIVE WOULD PROVIDE 12,127,000 CY OF OPERATIONAL AIRSPACE FROM THE DEVELOPMENT OF 89.8 ACRES OF LANDFILL. THIS REPRESENTS APPROXIMATELY 135,000 CY OF OPERATIONAL AIRSPACE PER ACRE. THE SELECTED ALTERNATIVE (FIGURE 3-9) WOULD PROVIDE 9,840,000 CY OF OPERATIONAL AIRSPACE FROM THE DEVELOPMENT OF 48.7 ACRES OF LANDFILL. THIS REPRESENTS APPROXIMATELY 202,000 CY OF OPERATIONAL AIRSPACE PER ACRE. THE SELECTED ALTERNATIVE WOULD PROVIDE APPROXIMATELY 1.5 TIMES THE OPERATIONAL AIRSPACE PER ACRE THAN DEVELOPING ALTERNATIVE 7.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE OKLAHOMA CITY WASTE DISPOSAL, INC. TO OBTAIN A NEW MSW PERMIT FROM ODEQ FOR A GREENFIELD SITE. THIS WOULD CREATE UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. HAS A PERMIT FOR LANDFILL OPERATIONS AT THEIR CURRENT LOCATION.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE THE DEVELOPMENT OF OPERATIONAL INFRASTRUCTURE (I.E., OFFICES, SCALEHOUSE, MAINTENANCE SHOP, FLARE, ENTRANCE ROAD, UTILITIES, ETC.) THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN (APPROXIMATELY \$1,500,000) CONSIDERING THIS INFRASTRUCTURE IS IN-PLACE AND OPERATIONAL AT THE CURRENT FACILITY.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE OKLAHOMA CITY WASTE DISPOSAL, INC. TO OBTAIN LOCAL ZONING APPROVAL. THIS WOULD CREATE UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. HAS ZONING APPROVAL FOR LANDFILL OPERATIONS AT THE CURRENT LANDFILL.
- GIVEN THE ADJACENT AND SURROUNDING LAND USE (RESIDENTIAL AND EDUCATIONAL) DEVELOPMENT OF A LANDFILL ON THIS PROPERTY WOULD NOT BE A GOOD UTILIZATION OF RESOURCES (LAND) CONSIDERING THE AVAILABILITY OF RESOURCES (LAND) ADJACENT TO A COMPATIBLE LAND USE (LANDFILL).
- THE DEVELOPMENT OF A SEPARATE LANDFILL ON THIS PROPERTY WOULD REQUIRE THE DISTURBANCE OF POTENTIAL FRESHWATER FORESTED/SHRUB WETLANDS (4,100 LF).
- THE DEVELOPMENT OF A SEPARATE LANDFILL ON THIS PROPERTY WOULD REQUIRE DEVELOPMENT WITHIN THE 100-YEAR FLOODPLAIN. THIS WOULD REDUCE FLOODPLAIN STORAGE IN THE AREA AND REQUIRE ADDITIONAL PERMITTING ACTIVITIES WITH FEMA.

NOTES:

1. FLOODPLAIN REPRODUCED FROM FLOOD INSURANCE RATE MAP, PANEL 440 OF 535, CANADIAN COUNTY, OKLAHOMA, DATED SEPTEMBER 26, 2008.
2. POTENTIAL FRESHWATER FORESTED/SHRUB WETLANDS REPRODUCED FROM NATIONAL WETLANDS INVENTORY MAP CREATED BY U.S. FISH AND WILDLIFE SERVICE DATED OCTOBER 4, 2021.

☐ DRAFT
☒ FOR INFORMATION PURPOSES ONLY
☐ ISSUED FOR CONSTRUCTION

DATE: 12/2021
 FILE: 0601-01-11
 CAD: FIG 3-7-ALT. ASSESSMENT.DWG

DRAWN BY: SRP
 DESIGN BY: JRP
 REVIEWED BY: JRG

PREPARED FOR
OKLAHOMA CITY WASTE DISPOSAL, INC.

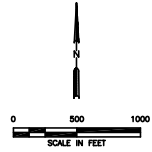
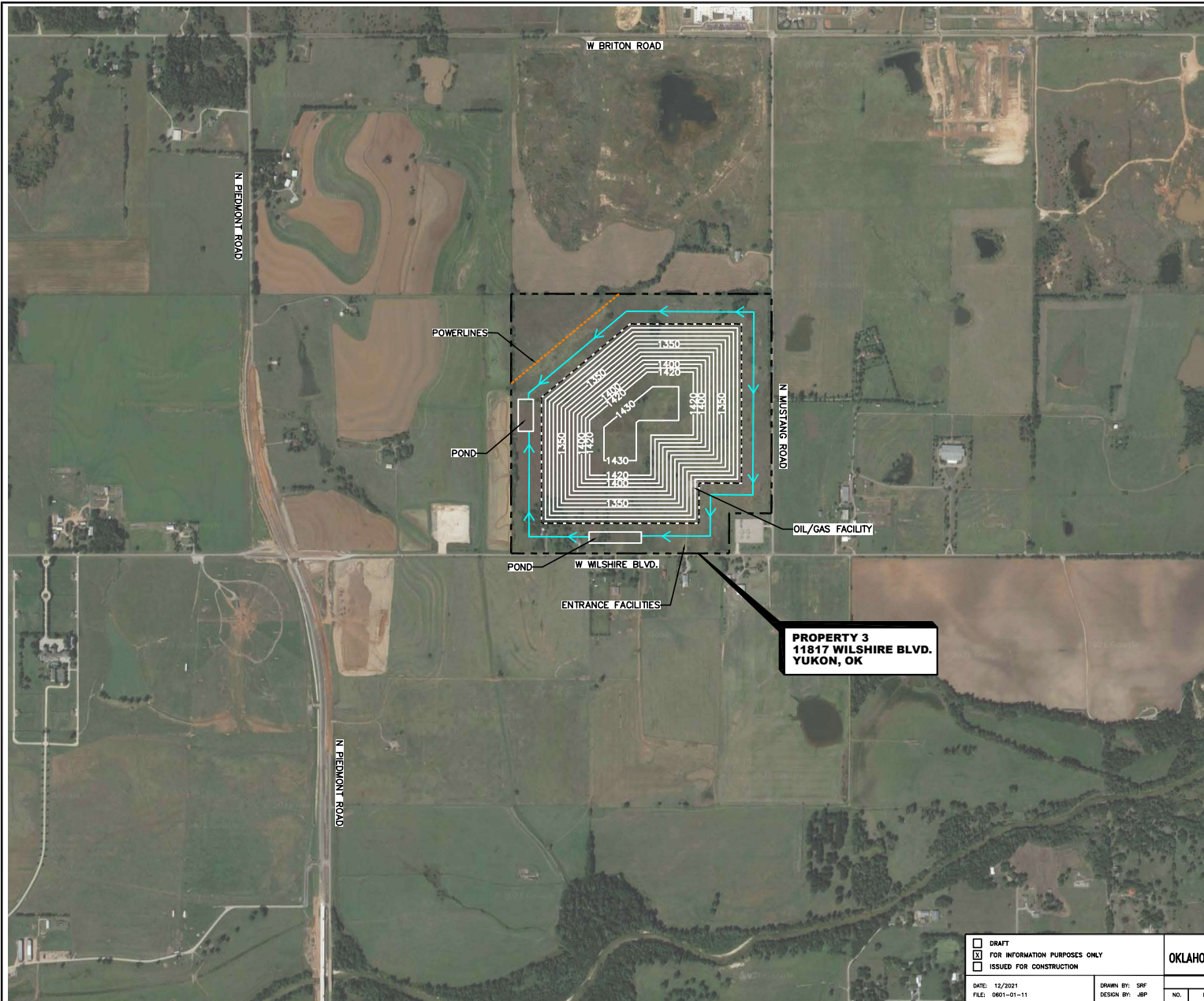
REVISIONS		
NO.	DATE	DESCRIPTION

SECTION 404 INDIVIDUAL PERMIT ALTERNATIVE ASSESSMENT 7

OKLAHOMA LANDFILL
 OKLAHOMA COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE 3-7



LEGEND

--- APPROXIMATE PROPERTY BOUNDARY

ALTERNATIVE 8 – OFFSITE PROPERTY OPTION 3

THIS OPTION INVOLVES NOT EXPANDING THE EXISTING LANDFILL AND PERMITTING A NEW LANDFILL AT A SEPARATE LOCATION. THIS OPTION WAS ELIMINATED FROM CONSIDERATION FOR THE FOLLOWING REASONS:

- THE LISTED PURCHASE PRICE FOR THIS PROPERTY IS \$3,500,000. THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. OWNS THE PROPERTY ADJACENT TO THEIR FACILITY.
- THIS ALTERNATIVE WOULD PROVIDE 10,220,000 CY OF OPERATIONAL AIRSPACE FROM THE DEVELOPMENT OF 79.7 ACRES OF LANDFILL. THIS REPRESENTS APPROXIMATELY 128,000 CY OF OPERATIONAL AIRSPACE PER ACRE. THE SELECTED ALTERNATIVE (FIGURE 3-9) WOULD PROVIDE 9,840,000 CY OF OPERATIONAL AIRSPACE FROM THE DEVELOPMENT OF 48.7 ACRES OF LANDFILL. THIS REPRESENTS APPROXIMATELY 202,000 CY OF OPERATIONAL AIRSPACE PER ACRE. THE SELECTED ALTERNATIVE WOULD PROVIDE APPROXIMATELY 1.5 TIMES THE OPERATIONAL AIRSPACE PER ACRE THAN DEVELOPING ALTERNATIVE 8.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE OKLAHOMA CITY WASTE DISPOSAL, INC. TO OBTAIN A NEW MSW PERMIT FROM ODEQ FOR A GREENFIELD SITE. THIS WOULD CREATE UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. HAS A PERMIT FOR LANDFILL OPERATIONS AT THEIR CURRENT LOCATION.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE THE DEVELOPMENT OF OPERATIONAL INFRASTRUCTURE (I.E., OFFICES, SCALEHOUSE, MAINTENANCE SHOP, FLARE, ENTRANCE ROAD, UTILITIES, ETC.) THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN (APPROXIMATELY \$1,500,000) CONSIDERING THIS INFRASTRUCTURE IS IN-PLACE AND OPERATIONAL AT THE CURRENT FACILITY.
- THE DEVELOPMENT OF A SEPARATE LANDFILL WOULD REQUIRE OKLAHOMA CITY WASTE DISPOSAL, INC. TO OBTAIN LOCAL ZONING APPROVAL. THIS WOULD CREATE UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. HAS ZONING APPROVAL FOR LANDFILL OPERATIONS AT THE CURRENT LANDFILL.
- GIVEN THE ADJACENT AND SURROUNDING LAND USE (RESIDENTIAL AND EDUCATIONAL) DEVELOPMENT OF A LANDFILL ON THIS PROPERTY WOULD NOT BE A GOOD UTILIZATION OF RESOURCES (LAND) CONSIDERING THE AVAILABILITY OF RESOURCES (LAND) ADJACENT TO A COMPATIBLE LAND USE (LANDFILL).
- THE DEVELOPMENT OF A SEPARATE LANDFILL ON THIS PROPERTY WOULD REQUIRE THE PURCHASE OF AN EXISTING OIL/GAS FACILITY. THIS WOULD CREATE AN UNDUE FINANCIAL BURDEN CONSIDERING OKLAHOMA CITY WASTE DISPOSAL, INC. OWNS PROPERTY ADJACENT TO THEIR CURRENT SITE.

☐ DRAFT
☒ FOR INFORMATION PURPOSES ONLY
☐ ISSUED FOR CONSTRUCTION

DATE: 12/2021
FILE: 0601-01-11
CAD: FIG 3-8-ALT. ASSESSMENT.DWG

DRAWN BY: SPF
DESIGN BY: JBP
REVIEWED BY: JWD

PREPARED FOR
OKLAHOMA CITY WASTE DISPOSAL, INC.

REVISIONS		
NO.	DATE	DESCRIPTION

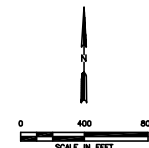
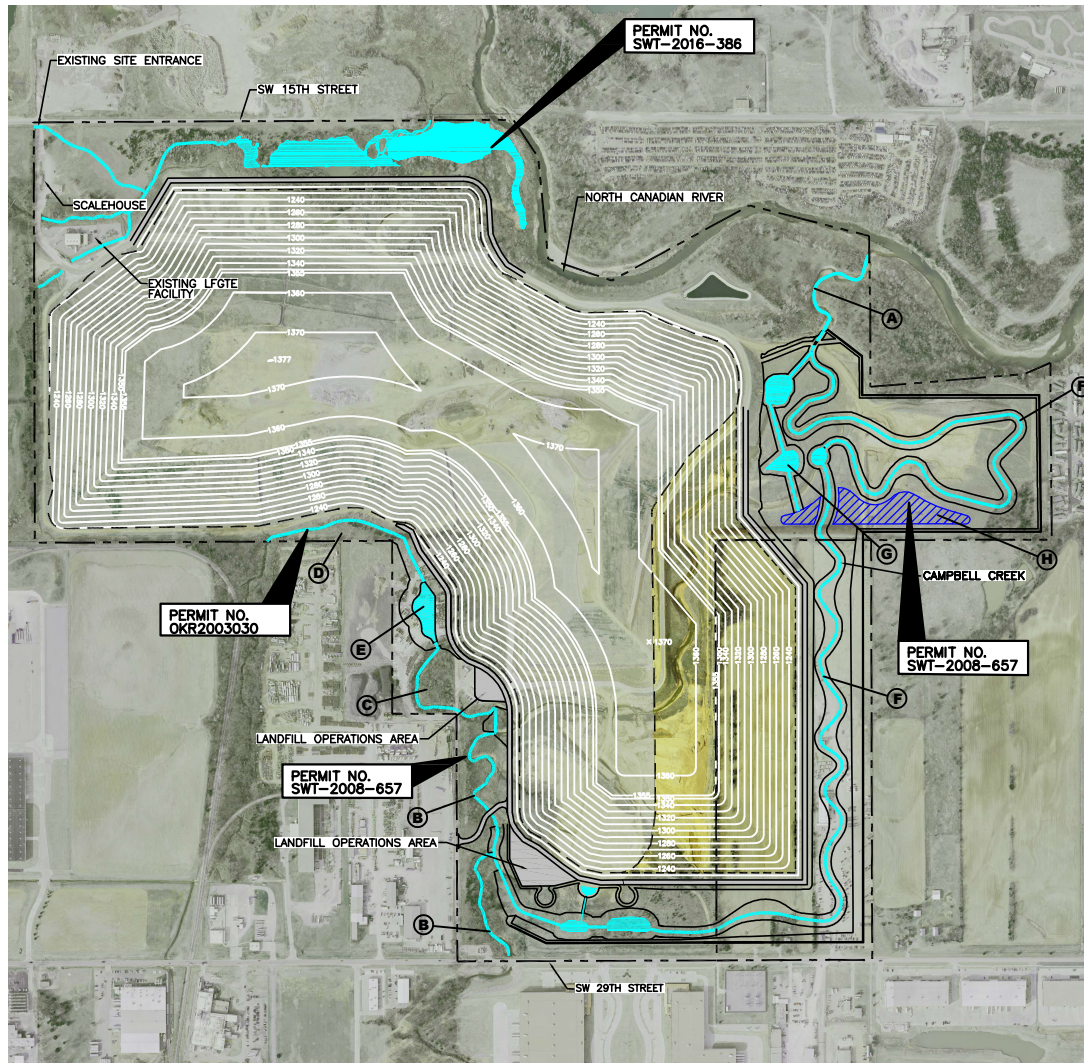
SECTION 404 INDIVIDUAL PERMIT
ALTERNATIVE ASSESSMENT 8

OKLAHOMA LANDFILL
OKLAHOMA COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE 3-8

Weaver Consultants Group
CA 3804 PE - 05/31/2023



LEGEND	
---	EXISTING PERMIT BOUNDARY
---	PROPOSED PERMIT BOUNDARY
---	PERMITTED LIMIT OF WASTE
---	PROPOSED LIMIT OF WASTE
---	FINAL COVER CONTOUR

Site Development Summary

The site development plan balances the need to provide for the long-term solid waste disposal needs for the City of Oklahoma City with minimizing the impact to the existing jurisdictional areas located on-site. The site development plan places a priority on (1) maintaining portions of existing riparian woodlands, (2) the creation of additional waters of the U.S. to offset the unavoidable impacts to unnamed tributaries/Campbell Creek, and (3) the creation of additional public use area.

This site development plan has been developed to ensure that there will be no overall net loss of waters of the U.S. with this project. In fact, the overall site development plan was developed to provide a significant improvement to this industrial area. Approval for this project has already been obtained from the city of Oklahoma City, and will be obtained from the Federal Emergency Management Agency (FEMA) and the Oklahoma Department Environmental Quality (ODEQ).

A common theme in each of the previous approvals is that the Oklahoma Landfill will be a prime example of the rejuvenation of an intensively used urban property. Over time this 475.72-acre tract, which has been used to satisfy the solid waste disposal needs of Oklahoma City and surrounding areas, will transition to a public use area. The site will even provide public parking as part of the proposed open space park, allowing access to nearly two miles of hiking trails, opportunities for passive recreation, wildlife observation, and panoramic views of the surrounding area. Interpretive signage will educate visitors about area history, the site's past uses, and indigenous plants and animals.

USACE SWT-2008-657 Proposed Mitigation Plan Summary

Type of Mitigation	Area	Discussion	Quantities
Avoidance	(A)	Campbell Creek and existing woodland area between the North Canadian River and the southern edge of the existing woodland area to be avoided.	Waters of the U.S. (Northern Portion of Campbell Creek) - 740 feet
	(B)	Campbell Creek and woodland area on southern portion of the site to be avoided.	Waters of the U.S. (Southern portion of Campbell Creek) - 1,725 feet
	(C)	Campbell Creek "Oxbow" and woodland area on western portion of the site to be avoided.	Waters of the U.S. (Oxbow area) - 915 feet
Enhancement	(D)	Enhancements to an existing creek which was previously relocated under USACE Permit No. OKR2003030 will be made. The enhancements include the planting of additional woodland trees and colonizing shrubs.	Enhancements to existing Relocated Creek - 800 feet
	(E)	Several enhancements to the western portion of Campbell Creek will be made. The slope of this portion of the creek will be reversed to flow north to south. The slope of the creek will be reduced to minimize erosion potential and facilitate vegetation establishment. The existing trees and debris that were placed in the creek prior to the landfill owner acquiring this property will be removed. The creek will be widened in some areas to provide a string of ponds that will improve water quality. The riparian area will be reestablished as noted on the proposed site improvement drawing.	Enhancements to existing Campbell Creek - 1,360 feet
Creation	(F)	10,550 linear feet of relocated creek is created with this plan. The creek was designed to mimic the characteristics of the existing Campbell Creek including slope, width, depth, discharge, velocity, sinuosity, and radius of curvature. Additionally, a riparian corridor will be re-established adjacent to the relocated creek.	Relocated Creek - 10,550 feet
	(G)	Substantial floodplain storage will also be developed as part of this plan. The average elevation of this area is 1,200 ft-msl and the 100-year floodplain elevation will be 1,211 ft-msl (per FEMA approved CLNWR).	Existing floodplain storage - 6.6 acres and 77 acre-feet Floodplain storage created 38 acres and 420 acre-feet
	(H)	An additional 1,110 feet of waters of the U.S. created in an area adjacent to the relocated creek.	Additional waters of the U.S. created - 1,110 feet
	(H)	Wetland area constructed per ODEQ Water Quality's request.	Wetlands Created - 3.2 acres

USACE SWT-2008-657 Proposed Mitigation Plan Summary

Jurisdictional Waters Lost	Jurisdictional Waters Created
<ul style="list-style-type: none"> 3,840 linear feet of Campbell Creek (Waters of the U.S.) No wetlands lost. 	<ul style="list-style-type: none"> Avoidance: Waters of the U.S. - 3,380 linear feet Enhancement: Waters of the U.S. - 2,160 linear feet Creation: Waters of the U.S. - 11,660 linear feet Wetlands - 3.2 acres Additional Floodplain Storage Created - 420 Ac-Ft over 38 acres

<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> FOR INFORMATION PURPOSES ONLY <input type="checkbox"/> ISSUED FOR CONSTRUCTION		PREPARED FOR OKLAHOMA CITY WASTE DISPOSAL, INC.	
DATE: 01/2022 FILE: 0601-01-11 CAD: FIG 3-9-ALT. ASSESSMENT.DWG		DRAWN BY: SPF DESIGN BY: JBP REVIEWED BY: JUD	
REVISIONS		NO. DATE DESCRIPTION	

