

U.S. Army Corps of Engineers Tulsa District

# **Public Notice**

Reply To:

U.S. Army Corps of Engineers ATTN: Regulatory Office 1645 South 101st East Avenue Tulsa, Oklahoma 74128-4609 <u>SWT-2014-303</u> Public Notice No.

November 9, 2015 Public Notice Date

December 9, 2015 Expiration Date

# PURPOSE

The purpose of this public notice is to inform you of a proposal for work in which you might be interested and to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest.

# **SECTION 10**

The U.S. Army Corps of Engineers is directed by Congress through Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) to regulate all work or structures in or affecting the course, condition, or capacity of navigable waters of the United States. The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

# **SECTION 404**

The U.S. Army Corps of Engineers is directed by Congress through Section 404 of the Clean Water Act (33 U.S.C. 1344) to regulate the discharges of dredged and fill material into all waters of the United States. These waters include lakes, rivers, streams, mudflats, sandflats, sloughs, wet meadows, natural ponds, and wetlands adjacent to other waters. The intent of the law is to protect these waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical, and biological integrity.

# NOTICE TO PUBLISHERS

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Application No. SWT-2014-303

#### JOINT PUBLIC NOTICE U.S. ARMY CORPS OF ENGINEERS AND OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) (30-DAY COMMENT PERIOD)

Interested parties are hereby notified that the District Engineer (DE) has received an application for a Department of the Army permit and water quality certification pursuant to Sections 404 and 401 of the Clean Water Act. The ODEQ hereby incorporates this public notice and procedure as its own public notice and procedure by reference thereto.

The application is for the conversion of two on-channel ponds, one wetland, and portions of a stream channel into residential subdivision housing units, access roads, and installation of public utilities.

<u>Name of Applicant</u>: Mr. Julius Puma Double Eagle, LLC 10618 South Winston Court Tulsa, OK 74137

Name of Agent: Mr. Dan Tanner Tanner Consulting, LLC 5323 South Lewis Avenue Tulsa, OK 74105

<u>Location</u>: The proposal would be constructed in one wetland, two on-channel ponds, and in the unnamed tributary of the Arkansas River. The proposed project is in Section 4, Township 17 North, Range 14 East, Broken Arrow, Tulsa County, Oklahoma. The project site can be found on the Leonard, Oklahoma 7.5 Minute USGS Quadrangle map and at North Latitude 35.986522694 and West Longitude 95.826155967.

<u>Purpose:</u> The basic purpose of this work is to develop an 80-acre parcel into a single family residential subdivision.

A water dependency determination will be made upon consideration of the basic purpose and the impacts to a 0.08 acre emergent wetland from the placement of earthen fill material below the OHWM.

The overall purpose of this work is to provide housing for approximately 240 families in the community.

#### Table of Impact:

Original Proposal					
Water	Impact Activity	Type of Impact	Type of Fill Material	Quantity of Material (cys) below OHWM	Footprint (ac and/or lf)
Unnamed tributary of Arkansas River	Placement of fill material	Reinforced Concrete Pipe (RCP) 1	Concrete		41 lf *
Unnamed tributary of Arkansas River	Placement of fill material	RCP 2 – Includes road crossing and underground pipe	Concrete		159 lf**
North Pond	Placement of fill material	Residential Development	Earthen Material	2,400 cys	1.11 ac
South Pond	Placement of fill material	Residential Development	Earthen Material	7,500 cys	3.44 ac
Wetland	Placement of fill material	Residential Development	Earthen Material	100 cys	0.08 ac
			Total	10,000 cys	200 lf 4.63 ac

\*Total If of RCP 1 is approximately 64 If of which 23 If is located in the uplands.

\*\*Total If of RCP 2 is approximately 732 If of which 123 If is located in the uplands and 450 If within the south pond footprint.

cubic yards (cys), ordinary high water mark (OHWM), acre (ac), liner feet (If)

<u>Description of Work</u>: The applicant's proposal requires the placement of fill material into the 3.44-acre south pond, 1.11-acre north pond, and 0.08 acre wetland. The applicant has proposed the placement of approximately 7,500 cys of earthen material into the south pond, 2,400 cys of earthen material into the north pond, 100 cys of earthen material into the wetland, and 200 lf of stream channel (0.02 acre). The south pond and wetland area would be eliminated from the placement of fill material. Approximately, 39 lf and 120 lf, within the total 732 lf of RCP 2 (varies in size), would be constructed in the stream channel to channel flow and for a road crossing. The size of the north pond would be reduced from approximately 1.11 acres to a 0.01 acre (90 lf) stream channel

and approximately 41 If of a twin 42 inch RCP would be constructed in the stream channel for a road crossing on RCP 1. All work will be performed utilizing earthmoving equipment.

<u>Avoidance and Minimization Information</u>: The applicant provided the following statement with regard to how avoidance and minimization of impacts to aquatic resources was incorporated into the project plan:

The Impact Property is located within an area of growth on along the Creek Turnpike Corridor on the south side of the City of Broken Arrow. The comprehensive plan for the community identifies the tract as suitable for low density residential development although the city planning staff has supported commercial development zoning applications along the arterial street frontage. The Applicant examined multiple development alternatives in an attempt to avoid and minimize the impacts that would result from the proposed discharge. The alternatives examined included options that would avoid discharge in whole or in part. Site planning was initiated in August 2013. Sketches for commercial retail development were prepared and evaluated for feasibility. The design team concluded that the potential presence of jurisdictional waters prohibited a customary approach to utilizing the Impact Property for retail development. Site plans were then developed for single family housing that progressively reserved more and more open space to account for the potential presence of jurisdictional waters. Hydrological calculations were undertaken to substantiate the impact to the developable project area when traditionally enclosed public storm drainage systems could not be constructed in the logical low point and hydraulic drainage way because the construction of drainage systems would displace the stream thread resources. Once Corps asserted jurisdiction over the potential jurisdictional waters, including open water resources (2 preexisting man made farm ponds) as well as the stream thread and a small wetlands area, the design team further modified the site plan to reduce the number of residential lots to avoid all impacts. Minimization and avoidance of the proposed discharge would have resulted in a substantial and impracticable loss of marketable residential lots, estimated to be on the order of 35 lots with a market value of 2.5 million dollars. This loss would have made development of the Impact Property impossible. Accordingly, the Applicant concluded that avoidance of project impacts was not practicable. Therefore, the Applicant has developed the Mitigation Plan to minimize adverse impacts on the Jurisdictional Waters of the discharge on the aquatic ecosystem.

<u>Mitigation</u>: Furthermore, the applicant proposes the following as compensatory mitigation for the unavoidable impacts to aquatic resources expected from the proposed project:

The Applicant developed the following Mitigation Plan to offset and minimize unavoidable impacts on the aquatic ecosystem created by permitted discharges

into the Jurisdictional Waters on the Impact Property. Pursuant to the Mitigation Plan, there will be no net loss of aquatic resources (Enclosures 3 through 6).

Because the only mitigation possible on the Impact Property is preservation of stream thread resources not impacted by Applicant's development plan, the Applicant selected the Mitigation Property to perform off-site mitigation. Before selecting the Mitigation Property, the Applicant evaluated mitigation options on adjacent properties not under current ownership and on non-adjacent properties currently under control of the Applicant. It was determined that the adjacent properties were not available for acquisition. Therefore, the design team developed sketches and estimates for mitigating the impact on open water resources at the Mitigation Property, a remote location under Applicant's control.

The Mitigation Property is ecologically suitable for providing the desired selfsustaining aquatic resource functions due to its adjacency to the Arkansas River bed and location within the watershed. Additionally, the Mitigation Property is also only 5.0 miles from the Impact Property. The Applicant also controls the Mitigation Site and will be able to establish the requisite conservation easements on the Mitigation Property. The Applicant has identified approximately 14.995 acres on the south end of the Mitigation Property suitable for the Mitigation Plan (the "Mitigation Site").

This mitigation plan is the applicant's proposal. The Corps has made no determination at this time with regard to the adequacy of the proposed mitigation relative to the federal mitigation rules and guidance, including Tulsa District's Mitigation and Monitoring Guidelines. The Corps is accepting comments on the need for and nature of the proposed mitigation in addition to comments on the applicant's primary proposal. The Corps bears the final decision on the need for and extent of mitigation required if the project proposed herein is authorized.

<u>Project Setting</u>: The project is located within the Oklahoma ecoregion of the Central Irregular Plains. The Central Irregular Plains is a belt of prairie that separates the Cross Timbers from the forests of the Ozark Highlands. This ecoregion contains mostly tallgrass prairie, but forests and woodlands are native on stony hilltops. The occurrence of rangeland, cropland, riparian forests, and on rocky hills, oak woodlands are within this ecoregion.

Existing Condition: The 80-acre parcel of land is comprised mostly of mixed grasses, upland forest, and a riparian forest. The stream channel, on-channel ponds, and wetland, which are jurisdictional waters of the United States, are centrally located within the parcel. The site has been disturbed by various anthropogenic activities in the relatively recent past.

<u>Plans and Data</u>: Plans showing the location of the proposed activity and other data are enclosed with this notice (Enclosures 1 through 6). If additional information is desired, it may be obtained from U.S. Army Corps of Engineers, Tulsa District, ATTN: Mr. Rob

Hoffmann, Regulatory Office, 1645 South 101st East Avenue, Tulsa, OK 74128-4609, or telephone 918-669-7400.

#### Cultural Resources:

The DE has consulted the National Register of Historic Places regarding the potential effects from the proposed action. The DE will comply with the requirements of the National Historic Preservation Act of 1966 for any known or presently unknown historic or archeological resources that may exist in the project vicinity and which could be directly affected by the proposed work. This public notice is being sent to the State Historic Preservation Officer and to Native American Tribal governments to reveal if other known historic or archeological resources may be eligible for listing in the National Register exist in the project area and which could be directly affected by the proposed work. This coordination is being done to fulfill our requirements under the National Historic Preservation Act of 1966 (Public Law 89-665) and associated historic preservation laws. If we are made aware, as a result of comments received in response to this notice, or by other means, of specific archeological or other historic properties which may be affected by the proposed work, the DE will immediately take the appropriate action necessary pursuant to the National Historic Preservation Act of 1966, as amended, and 36 CFR Part 800, in accordance with implementing regulations 33 CFR 325, Appendix C.

<u>Threatened and Endangered Species</u>: The following federally listed species are known to occur in the vicinity or are listed for the county in which the proposed action is located: interior least tern (*Sterna antillarum*), piping plover (*Charadrius melodus*), red knot (*Calidris canutus rufa*), American burying beetle (*Nicrophorus americanus*), and the northern long-eared bat (*Myotis septentrionalis*). A copy of this notice is being furnished to the U.S. Fish and Wildlife Service and appropriate state agencies. This notice constitutes a request to those agencies for information on whether any other listed or proposed-to-be-listed endangered or threatened species may be present in the area which would be affected by the proposed activity.

We are currently assessing the potential effects of the proposed action on these species and will comply with the Endangered Species Act with regard to any affect of our decision on this permit application.

<u>Environmental Considerations</u>: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity and its intended use on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof: conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownerships, and, in general, the needs and welfare of the people. A permit will be denied if the discharge does not comply with the Environmental Protection Agency's 404(b)(1) Guidelines. Subject to the 404(b)(1) Guidelines and any other applicable guidelines or criteria, a permit will be granted unless the DE determines that it would be contrary to the public interest.

<u>Comments</u>: In order to consider and evaluate the impacts of this proposed activity the Corps is soliciting comments from the public, federal, state, and local agencies and officials, Indian tribes, and other interested parties. Comments concerning the issuance of this permit should be received by the DE no later than 30 days from the date of this public notice. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Any person may request in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

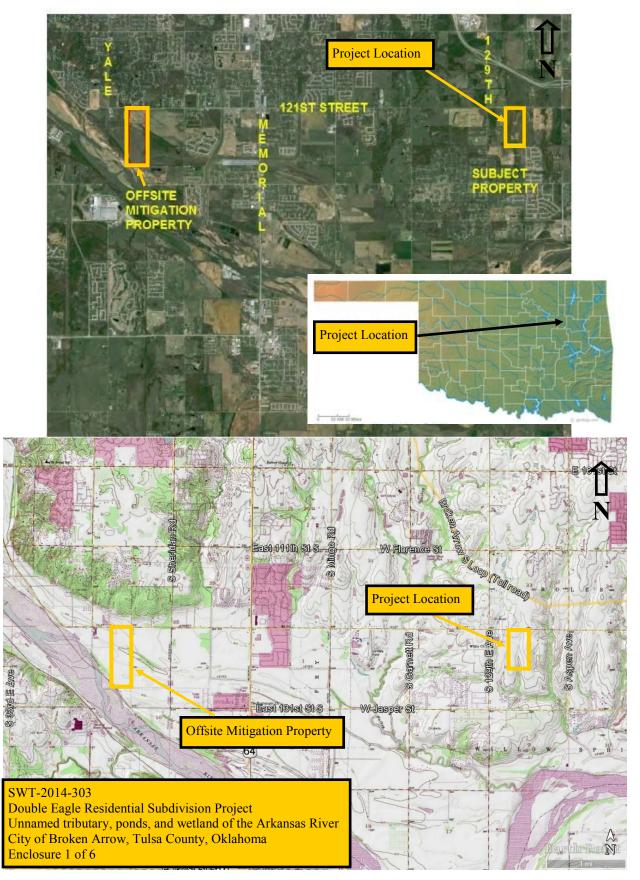
At the request of the Oklahoma Water Resources Board's National Flood Insurance Program State Coordinator, we are sending a copy of this notice to the local floodplain administrator to apprise the administrator of proposed development within their jurisdiction. In accordance with 44 CFR Part 60 (Criteria for Land Management and Use), participating communities are required to review all proposed development to determine if a floodplain development permit is required. The local floodplain administrator is required to perform this review for all proposed development and maintain records of such review.

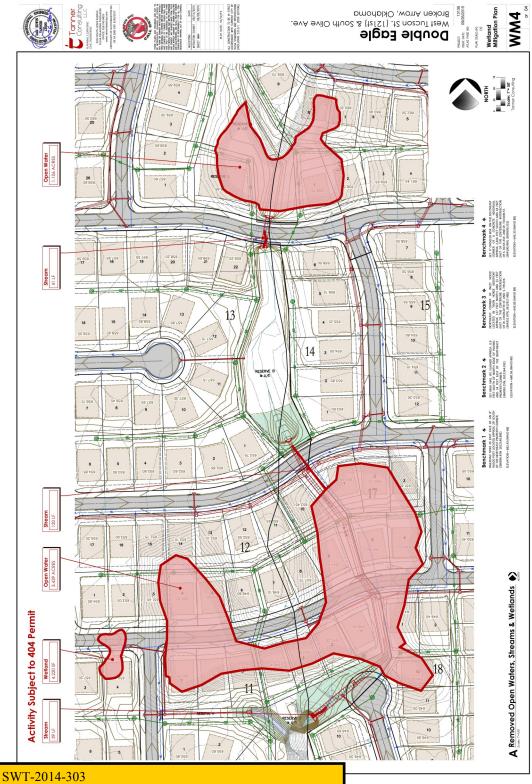
Comments concerning water quality impacts will be forwarded to ODEQ for consideration in issuing a Section 401 Water Quality Certification for the proposed project. Work may **not** commence until decisions have been made on both Sections 401 and 404.

Andrew R. Commer Chief, Regulatory Office

Enclosures

#### Vicinity Map:





Double Eagle Residential Subdivision Project Unnamed tributary, ponds, and wetland of the Arkansas River City of Broken Arrow, Tulsa County, Oklahoma Enclosure 2 of 6

# **Wetland Mitigation Plan** Part of the E/2 NW/4 Section 4, T 17 N, K 14 E

City of Broken Arrow, Tulsa County, Oklahoma

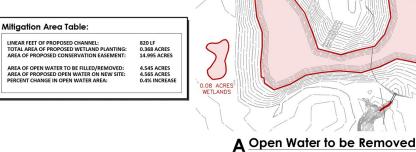
NORTH

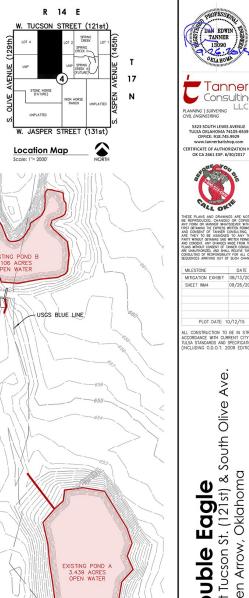
Scale: 1"= 100'

Tanner Consulting

#### Mitigation Planting Notes:

- 1.1 THE SOILS SUBSTRATE PLACED IN THE WETLAND BOTTOM SHALL BE A SUITABLE CLAY LOAM SOLS MATERIAL THAT IS IMPORTED FROM AN UPLAND SITE APPROVED BY TANNER CONSULTING.THE IMPORTED SOIL SHALL BE UNIFORMLY PLACED THROUGHOUT THE BOTTOM OF THE PROPOSED MITIGATION WETLAND TO A MINIMUM DEPTH OF 12'
- DEPHY OF 12<sup>-</sup>.
  DEPHY OF 12<sup>-</sup>.
  L2 SOIL IN THE WETLAND BOTTOM MUST BE SATURATED WITH WATER TO ACHIEVE OPTIMAL PLANTING CONDITIONS, PLANTS SHOULD NOT BE PLACED IN STANDING WATER, BUT SHOULD BE PLANTED IN SATURATED SOIL AND THEM ALLOWED TO FLOOD NATURALLY DURING PLANTING SEASON. IF SUFFICIENT RAINFALL DOES NOT OCCUR NATURALLY WITHIN THE FIRST TWO WEEKS AFTER PLANTING, THE PLANTING AREA SHALL BE MANUALLY FLOODED TO A NOMINAL DEPTH OF TWO INCHES. THE WETLAND AREA SHOULD BE CAREFULLY MONITORED DURING THE PLANTE STADLISHMET PERIOD TO AND THE STATUS OF THE STATUS WEEKS AFTER PLANTING, THE ADDREST THE VIELAND AREA SHOULD BE CAREFULLY MONITORED DURING THE PLANTE STADLISHMET PERIOD TO ADDREST AND A THE STATUS WEEKS AND A THE ADDREST THE STADLISHMET PERIOD TO ADDREST ADDREST AND A THE PLANTED BUT ADD PLANTS.
- 1.3 WETLAND PERENNIALS: THE OPTIMUM SPRING PLANTING SEASON FOR WETLAND PERENNIALS ARE THE MONTHS OF MARCH, APRIL AND MAY. A SECONDARY SEASON FOR PLANTING MAY OCCUR IN: SPETEMBER AND EARLY OCTOBER IF SUFFICIENT MOSTURE TO SATURATE THE SOIL IS PROVIDED BY NATURAL RAINFALL OR THROUGH MANUAL SCONTING. FLOODING.
- 14 TREES AND SHRUBS: THE PLANTING SEASON FOR BARE ROOT OR BALLED AND BURLAPPED TREES AND SHRUBS IS DURING THE WINTER DORMANT SEASON OF THE PLANTS. THIS SEASON TPHCALLY OCCURS FROM ID-NOVEMBER THROUGH FERUARY. IF CONTAINER GROWN TREES AND SHRUBS ARE USED, THEY MAY BE PLANTED AT ANY TIME DURING THE YEAR-SUPPLEMENTAL WATERING MUST BE PROVIDED REGULARLY TO KEEP THE TREES AND SHRUBS ALIVE DURING THE FIRST TWO GROWING SEASONS.
- TO KEEP THE TREES AND SHRUBS ALIVE DURING THE FIRST TWO GROWING SEASONS. WETLAND PERENNILS WILL BE MANULALY COLLECTED FROM NATURAL WETLANDS OCCURRING ON INCAREY PROPERTIES WHERE PERMISSION HAS BEEN OBTAINED TO ENCOVE SUCH PLANTS. THE AREAS TO BE HARVESTED WILL BE LOCATED, APROVED, AND FLAGEED BY TANIER CONSULTING. COLLECTION SHALL BE CONJUCTED IN A CAREFUL MANNER THAT WILL NOT DAMAGE THE WETLAND STE BEING USED AS A PLANT SOURCE. NO MOTORIZED EQUIPMENT OF ANY KIND MAY BE TAKEN INTO ANY NATURAL WETLAND AREA. SUTABLE CONTINUERS THAT ALLOW SATURATED SOIL CONDITIONS TO BE MAINTAINED BY ADDING WATER DURING THE HOLDING PRIOR PRIOR TO REPLANTING. NO FLANTS THAT HAVE BEEN ALLOWED TO DRY OUT WILL BE TRANSPLANTIG. INTO THE MITIGATION SITE. 1.5
- 1.6 IF AN ACCEPTABLE LOCAL SOURCE FOR SPECIFIED WETLAND PLANT VARIETIES CANNOT BE LOCATED, SUITABLE PLANT VARIETIES APPROVED BY TANNER CONSULTING MAY BE SUBSTITUTED AND OBTAINED FROM A COMMERCIAL SOURCE.
- 1.7 REGIONALLY GROWN NATIVE TREES AND SHRUB SPECIES SPECIFIED IN THE PLANTING SCHEDULE MAY BE PURCHASED FROM COMMERCIAL NURSERY SUPPLIERS.
- 1.8 UNDER THE SUPERVISION OF TANNER CONSULTING, HARVESTED WETLAND PLANTS SHALL BE REPLANTED INTO SATURATED SOIL IN THE MITIGATION SITE ON THE SAME DAY THEY ARE COLLECTED, PARTS WILL BE FLACED IN RANDOM GROUPS OF 3 TO 5 LIVING STEMS PER PLANTING LOCATION AS SHOWN ON THE MITIGATION PLAN SHEET.
- LEVING STEMP FERVIANTING LOCATION AS SHOWN ON THE MITIGATION PLAN SHEET. 1.9 ALL PLANTINGS WILL BE CAREFULLY MONITORED THROUGHOUT THE FIRST TWO YEARS AFTER THE MITIGATION SHE IS COMPLETE. IF MATURAL RAINFALL DOES NOT OCCUR AT SUFFICIENT INTERVALS TO ASSURE FLOODING AND SOIL SATURATION WITHIN THE WETLANG MITIGATION AREAS AT LEAST TWO THESE DURING EACH OF THE FIRST TWO TEMPORARILY FLOOD THE MITIGATION AREA. PLANTS THAT DO NOT SURVICE SHALL BE REPLANTED IN THE NEXT PLANTING SLASON, FOLLOWING THE SAME OCIDENT ON SHALL BE REPLANTED IN THE NEXT PLANTING SLASON, FOLLOWING THE SAME OCIDENT AND SUPPRVISION REQUIREMENTS AS THE ORIGINAL PLANTING. TREES AND SHRUBS THAT DO NOT SURVIVE TRANSPLANTING SHALL ALSO BE REPLACED DURING THE NEXT PLANTING SEASON.
- PLANTING SEASON. 1.7 ACCEPTABLE EROSION CONTROL MEASURES AS SPECIFIED AND APPROVED BY TANNER CONSULTING SHALL BE PLACED AROUND THE WETLAND MITIGATION SITE TO PROTECT THE AREA FROM DEPOSITION OF SILT OR SEDIMENT AND TO REDUCE EROSION OF THE NEWLY PLANTED AREAS. ALL MEASURES SUCH AS GRASS COVER, SILT FENCING, STRAW BALE BARRIES, AND SEDIMENT TARPS SHALL BE REGULARLY MAINTAINED WITH SPECIAL ATTENTION TO THE PERIOD AFTER EACH RAINFALL EVENT. ANY DAMAGE TO A SPECIFIED FROSION CONTROL MEASURE WILL BE READRIED WITHIN 24 HOURS. ALL EROSION CONTROL MEASURES WILL BE READRIED WITHIN 24 HOURS. ALL EROSION CONTROL MEASURES WILL BE READRIED WITHIN 24 HOURS. ALL EROSION CONTROL MEASURES WILL BE READRIED WITHIN 24 HOURS. ALL EROSION CONTROL MEASURES WILL BE READRIED WITHIN 24 HOURS. ALL EROSION CONTROL MEASURES WILL BE READRIED WITHIN 24 HOURS. ALL EROSION CONTROL MEASURES WILL BE MAIN IN PLACE UNTIL SUFFICIENT GRASS COVER IS ATTAINED ON OVERHEAD DRAINAGE AREAS TO ASSURE THAT SILT OR SEDIMENT PRODUCTION WILL BE MINIMAL.









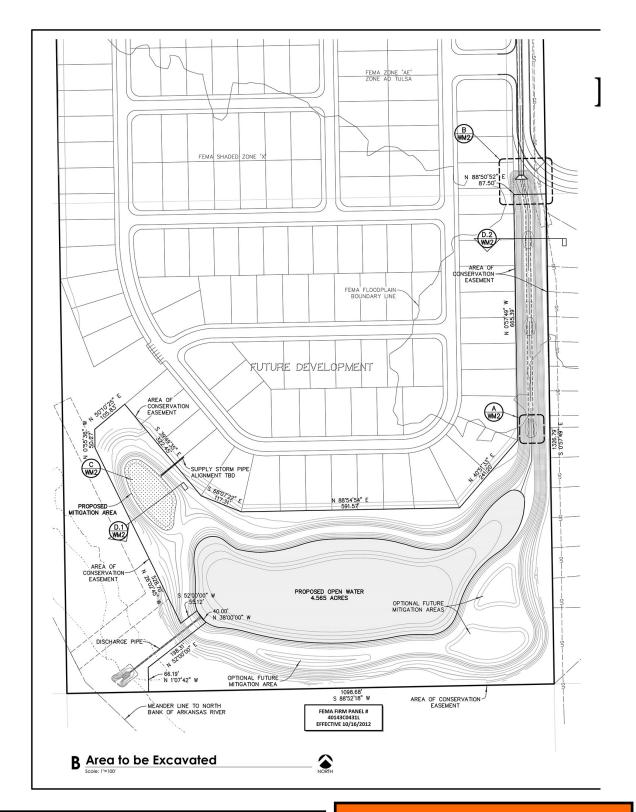
**Mitigation Plan** 

**WM1** 

OF 04

#### SWT-2014-303

**Double Eagle Residential Subdivision Project** Unnamed tributary, ponds, and wetland of the Arkansas River City of Broken Arrow, Tulsa County, Oklahoma Enclosure 3 of 6

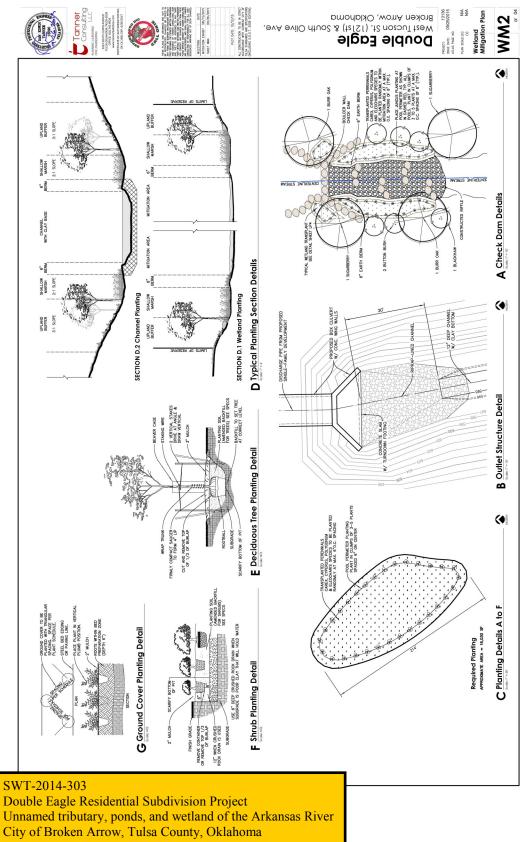


#### SWT-2014-303

Double Eagle Residential Subdivision Project Unnamed tributary, ponds, and wetland of the Arkansas River City of Broken Arrow, Tulsa County, Oklahoma Enclosure 4 of 6

#### Mitigation Property Plan:

The mitigation property is located southeast of the intersection of South Yale Avenue and East 121st Street South (NE/4, SW/4, Section 3, Township 17 North, Range 13 East), Tulsa County , Oklahoma



Enclosure 5 of 6

