



**US Army Corps  
of Engineers** ®  
Fort Worth District

# Public Notice

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Applicant: Dallas County Department of Public Works

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Project No.: SWF-2013-00516

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Date: June 4, 2015

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

## **Regulatory Program**

Since its early history, the U.S. Army Corps of Engineers has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the U.S. Army Corps of Engineers Regulatory Program.

## **Section 10**

The U.S. Army Corps of Engineers is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 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 under Section 404 of the Clean Water Act (33 USC 1344) to regulate the *discharge of dredged and fill material into all waters of the United States, including wetlands*. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

## **Contact**

Name: Mr. Frederick Land

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Phone Number: (817) 886-1729

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PUBLIC NOTICE

U.S. ARMY CORPS OF ENGINEERS, FORT WORTH DISTRICT

**SUBJECT:** Application for a Department of the Army Permit under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act of 1899, to discharge dredged or fill material into waters of the United States and conduct activities in, or affecting, navigable waters of the United States associated with the Wildlife Parkway Extension Project in Dallas County, Texas, near the Grand Prairie Entertainment District.

**APPLICANT:** Dallas County Department of Public Works  
c/o Tony Irvin  
411 Elm Street, 4<sup>th</sup> Floor  
Dallas, Texas 75202

**APPLICATION NUMBER:** SWF-2013-00516

**DATE ISSUED:** June 4, 2015

**LOCATION:** The proposed extension of Wildlife Parkway would cross the West Fork Trinity River (a Section 10 Rivers and Harbors Act Navigable Waters of the U.S), and adjacent wetlands, connecting South Beltline Road to State Highway (SH) 161 (President George Bush Turnpike) located in the City of Grand Prairie, Dallas County, Texas (Sheet 1 of 27). The proposed project would cross the Trinity River at North Latitude 32.77858 and West Longitude -97.02006. The project is located in the Euless and Irving, Texas, 7.5-minute USGS quadrangle maps (Sheet 2 of 27) and is within the USGS Hydrologic Unit 12030102.

**OTHER AGENCY AUTHORIZATIONS:** None

**PROJECT DESCRIPTION:** The applicant proposes to discharge approximately 1,752 cubic yards of dredged and fill material into 1.04 acres of waters of the United States, including 125 linear feet (0.01 acre) of stream and 1.03 acres of wetland in conjunction with the construction of the Wildlife Parkway extension. The discharge of dredged and fill material into waters of the U.S. would be for roadway fill, bridge approaches, culverts, bridge columns, and temporary coffer dams.

**INTRODUCTION:** The applicant proposes to construct an extension of Wildlife Parkway, bridging the West Fork Trinity River to connect South Beltline Road and State Highway (SH) 161 (President George Bush Turnpike) located in the City of Grand Prairie, Dallas County, Texas. The applicant's proposed purpose is to alleviate heavy traffic congestion at on Beltline and IH-30 during high demand periods typically caused by large numbers of people leaving events held in the Grand Prairie Entertainment District.

**EXISTING CONDITIONS:** Land uses in the project vicinity include industrial and commercial developments, areas of past sand and gravel mining, and undeveloped floodplain and riparian woodland.

Depositional processes of the West Fork Trinity River and its associated tributaries have influenced the main topography in the accompanying floodplain terraces, which is mostly flat to gently sloping. The USGS quadrangle maps for Eules, TX and Irving, TX (1995) depict the study area as relatively flat bottomland with elevations ranging from 420 to 450 feet above mean sea level as shown in Sheet 2 of 27. Several unnamed open water features and former gravel pits are shown on this map adjacent to the study area corridor.

Soils in the vicinity of the study area were described by the Natural Resource Conservation Service (NRCS, 2007). Of the soils within the study area, Trinity clay (frequently flooded) is the only soil classified as hydric by the NRCS database. According to the NRCS database, hydric components comprise approximately 80% of the total area for Trinity clay (frequently flooded).

Aerial photography from 2012 (Sheets 3 - 6 of 27) show the study area as similar to the USGS quadrangle map. The majority of the study area consists of the existing Wildlife Parkway and its embankments. Additionally, the western portion of the study area is shown to have undeveloped bottomland along the West Fork. Areas to the north and south of the study area corridor are dominated by undeveloped land with the exception of a small commercial development on the north side of Wildlife Parkway, and the remnants of the International Wildlife Park to the south. The former gravel pits and open water features shown on the USGS topographic map are visible on the 2012 aerial images.

A review of digital floodplain information from the Federal Emergency Management Agency and other publicly available sources found that the majority of the study area falls within the 100-year floodplain of the West Fork. A few small areas within the existing right-of-way of Wildlife Parkway are outside of the 100-year floodplain and the western portion of the study area falls within the floodway of the West Fork.

Primary hydrology in wetland areas consist of surface water, high water table, saturation, water marks, inundation visible on aerial images, water stained leaves, and oxidized rhizospheres on living roots. Secondary hydrology includes sparsely vegetated concave surfaces, saturation visible on aerial imagery, and geomorphic position within the landscape (in swales and depressions).

Several plant communities exist within and adjacent to the study area. These include an herbaceous emergent wetland community, a planted grass wetland community, a scrub shrub wetland community, a mixed herbaceous and scrub shrub wetland community, a forested riparian community, and a forested wetland community.

The dominant species at the first emergent wetland community are rough cocklebur (*Xanthium strumarium*) and southern cattail (*Typha domingensis*). Both species are dominant within the emergent wetland community.

A portion of the project site consists of a mitigation area that was established to comply with a special condition associated with USACE Project Number SWF-2007-00151. Although a portion of the required work has been performed, the mitigation site work has not yet been completed. A mosaic of emergent wetlands, uplands, and open water areas are present. The dominant species present in the wetland is bigtop lovegrass (*Eragrostis hirsuta*). Due to the nature of recent disturbance the areas delineated as wetlands were done in accordance with the delineation methodology for Atypical Circumstances.

The scrub shrub wetland community is dominated by green ash (*Fraxinus pennsylvanica*), buttonbush (*Cephalanthus occidentalis*), crow foot sedge (*Carex crus-corvi*), and balloon vine (*Cardiospermum halicacabum*). Some of the plants in this community exhibit morphological adaptations that suggested prolonged inundation. These adaptations include green ash with buttressed trunks and crow foot sedge with leaf blades that are longer than typical of that species (approximately 6 feet).

The mixed herbaceous and scrub shrub wetland community is dominated with patches of thick herbaceous vegetation. Species within this community include black willow (*Salix nigra*), green ash, swamp privet (*Forestiera acuminata*), marsh bristlegrass (*Setaria parviflora*), witchgrass (*Panicum capillare*), and winter bentgrass (*Agrostis hyemalis*).

The forested riparian community is along the riparian corridor of the West Fork. Dominant species in this community include white ash (*Fraxinus americana*), American elm (*Ulmus americana*), western soapberry (*Sapindus saponaria*), pecan (*Carya illinoensis*), hackberry (*Celtis laevigata*), chinaberry (*Melia azedarach*), Virginia wild rye (*Elymus virginicus*), Indian woodoats (*Chasmanthium latifolium*), common greenbrier (*Smilax rotundifolia*), poison ivy (*Toxicodendron radicans*), bermudagrass (*Cynodon dactylon*), and johnsongrass (*Sorghum halepense*). No wetlands are found in this community.

In the forested wetland community dominant species include black willow and green ash. This community is present in a relatively small area surrounded by scrub shrub wetland.

**ADVERSE IMPACTS:** The applicant proposes to discharge approximately 1,752 cubic yards of dredged and fill material into approximately 1.04 acres of waters of the United States, including 125 linear feet (0.01 acre) of stream and 1.03 acres of wetland in conjunction with the construction of the Wildlife Parkway extension. Project impacts would include: the loss of 0.85 acre of scrub shrub wetland AF-1 for roadway fill; permanent impacts to 125 linear feet (0.01 acre) of unnamed ephemeral stream AF-2 for roadway fill; no direct impacts to the West Fork Trinity River (AF-3), less than 0.001 acre of impact to emergent wetland AF-4 for bridge columns, 0.01 acre of impact to emergent wetland AF-5 for roadway fill, 0.17 acre of impacts to emergent wetland AF-6, no impacts

to emergent wetland AF-7, and less than 0.001 acre of impacts to scrub shrub wetlands AF-8 and AF-9 for bridge columns.

**ALTERNATIVES:** Offsite alternatives were evaluated by the applicant; however, none were considered practicable by the applicant due to the site specific need and purpose of the project. On-site alternatives were considered by the applicant for the proposed project. Expansion of the existing roadway would have impacts to the aquatic environment greater than the proposed action. Under the no-action alternative, the proposed roadway extension would not be constructed and the project need would not be met; however, there would be no effect to the natural environment. Congestion along Belt Line Road and IH-30 would continue and likely increase as development in the local and surrounding areas continues.

**MITIGATION:** The applicant believes the project has been designed to incorporate all practicable measures to avoid and minimize impacts to waters of the U.S. to the maximum extent practicable. The applicant proposes to debit the appropriate number and type of credits from a U.S. Army Corps of Engineer, Fort Worth District (USACE) approved mitigation bank(s) having a service area encompassing the project site. Mitigation for stream impacts would need to be in accordance with the Fort Worth District Stream Mitigation Method. The debit(s) would compensate off-site for unavoidable adverse project impacts and would be calculated in accordance with the appropriate mitigation banking instrument (MBI).

#### **SHEETS**

1. Vicinity Map
2. USGS Quadrangle Map
3. Waters of the United States, Trinity River (2014 Aerial Photography)
4. Waters of the United States, Wildlife Parkway (2014 Aerial Photography)
5. Impacts to Waters of the United States, Trinity River
6. Impacts to Waters of the United States, Wildlife Parkway
- 7 - 27. Wildlife Parkway Plan and Profile Schematic Design

**PUBLIC INTEREST REVIEW FACTORS:** This application will be reviewed in accordance with 33 CFR 320-332, the Regulatory Program of the USACE, and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U.S. Environmental Protection Agency pursuant to Section 404 (b)(1) of the CWA. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impact, of the proposed activity on the public interest. That decision will reflect the national concerns for both protection and utilization of important resources. The benefits 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 its cumulative effects. Among the factors addressed are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water

quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the USACE in determining whether to issue, issue with modifications, or conditions, 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.

**STATE WATER QUALITY CERTIFICATION:** This project incorporates the requirements necessary to comply with the Texas Commission on Environmental Quality's (TCEQ) Tier I project criteria. Tier I projects are those that result in a direct impact of three acres or less of waters of the State or 1,500 linear feet of streams (or a combination of the two is below the threshold) for which the applicant has incorporated best management practices (BMPs) and other provisions designed to safeguard water quality. The USACE has received a completed checklist and signed statement fulfilling Tier I criteria for the project. Accordingly, a request for Section 401 certification is not necessary and there will be no additional TCEQ review.

**ENDANGERED AND THREATENED SPECIES:** The USACE has reviewed the U.S. Fish and Wildlife Service's latest published version of endangered and threatened species to determine if any may occur in the project area. The proposed project would be located in Dallas County where the whooping crane (*Grus americana*), piping plover (*Charadrius melodus*), least tern (*Sterna antillarum*), black-capped Vireo (*Vireo atricapilla*), and golden-cheeked warbler (*Dendroica chrysoparia*), are known to occur or may occur as migrants. The whooping crane, least tern, black-capped Vireo, and golden-cheeked warbler are endangered species and the piping plover is a threatened species. Our initial review indicates that the proposed work may effect, but would not likely adversely affect the least tern. The closest known nesting record of the tern is approximately 1.2 miles from the proposed bridge crossing.

**NATIONAL REGISTER OF HISTORIC PLACES:** The USACE has reviewed the latest complete published version of the National Register of Historic Places and found no listed properties to be in the project area. However, presently unknown scientific, archaeological, cultural or architectural data may be lost or destroyed by the proposed work under the requested permit.

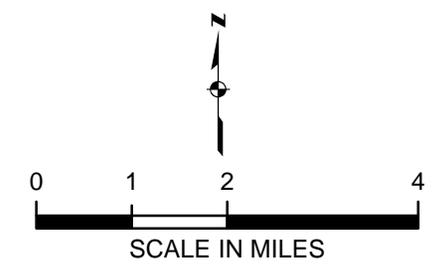
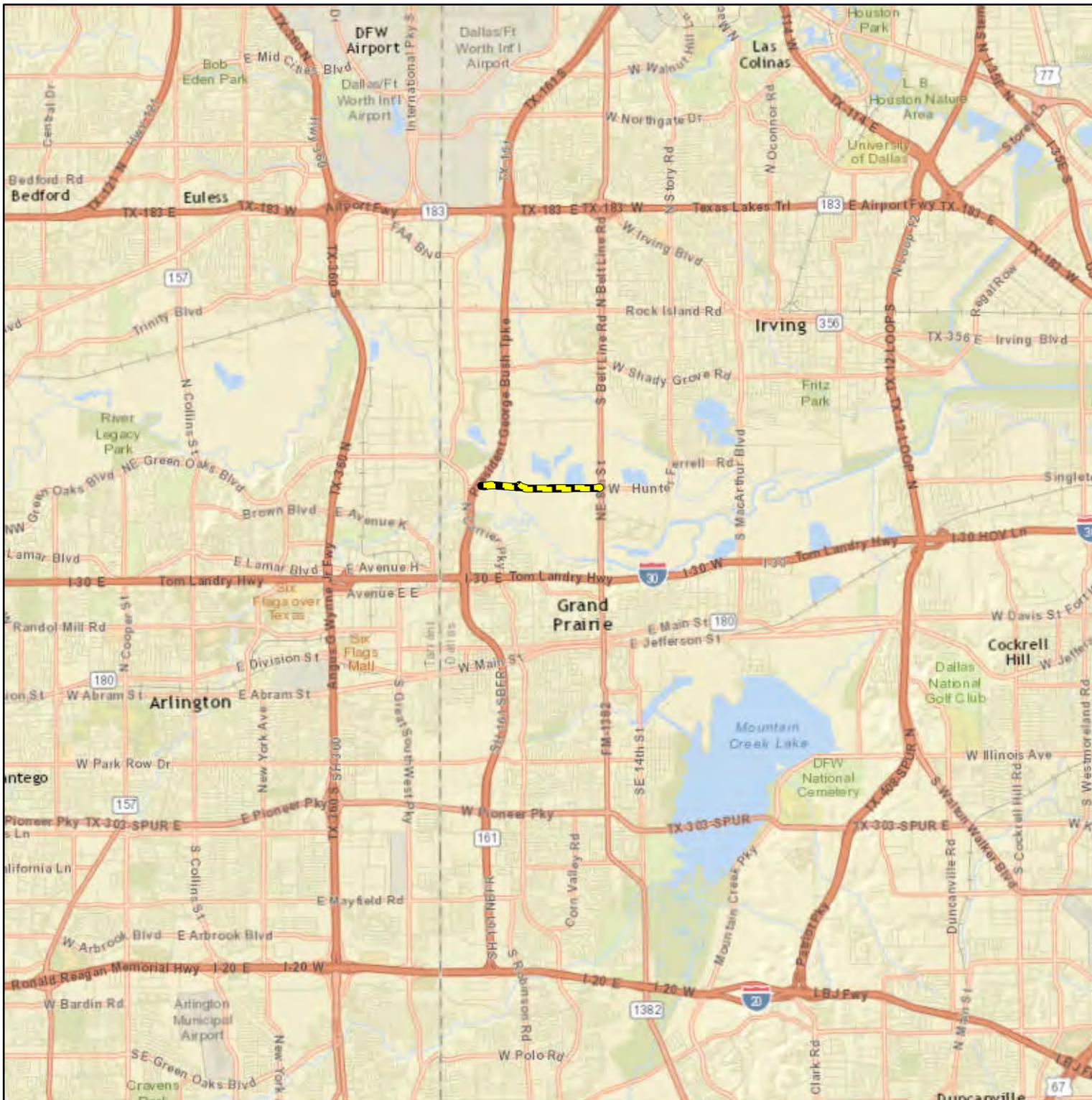
**FLOODPLAIN MANAGEMENT:** The USACE is sending a copy of this public notice to the local floodplain administrator. In accordance with 44 CFR part 60 (Flood Plain Management Regulations Criteria for Land Management and Use), the floodplain administrators of participating communities are required to review all proposed development to determine if a floodplain development permit is required and maintain records of such review.

**SOLICITATION OF COMMENTS:** The public notice is being distributed to all known interested persons in order to assist in developing fact upon which a decision by the USACE may be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

**PUBLIC HEARING:** Prior to the close of the comment period any person may make a written request for a public hearing setting forth the particular reasons for the request. The District Engineer will determine whether the issues raised are substantial and should be considered in his permit decision. If a public hearing is warranted, all known interested persons will be notified of the time, date, and location.

**CLOSE OF COMMENT PERIOD:** All comments pertaining to this Public Notice must reach this office on or before July 4, 2015, which is the close of the comment period. Extensions of the comment period may be granted for valid reasons provided a written request is received by the limiting date. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to; Regulatory Branch, CESWF-PER-R; U.S. Army Corps of Engineers; Post Office Box 17300; Fort Worth, Texas 76102-0300. You may visit the Regulatory Branch in Room 3A37 of the Federal Building at 819 Taylor Street in Fort Worth between 8:00 A.M. and 3:30 P.M., Monday through Friday. Telephone inquiries should be directed to (817) 886-1731. Please note that names and addresses of those who submit comments in response to this public notice may be made publicly available.

DISTRICT ENGINEER  
FORT WORTH DISTRICT  
CORPS OF ENGINEERS



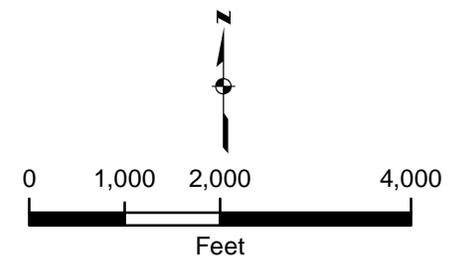
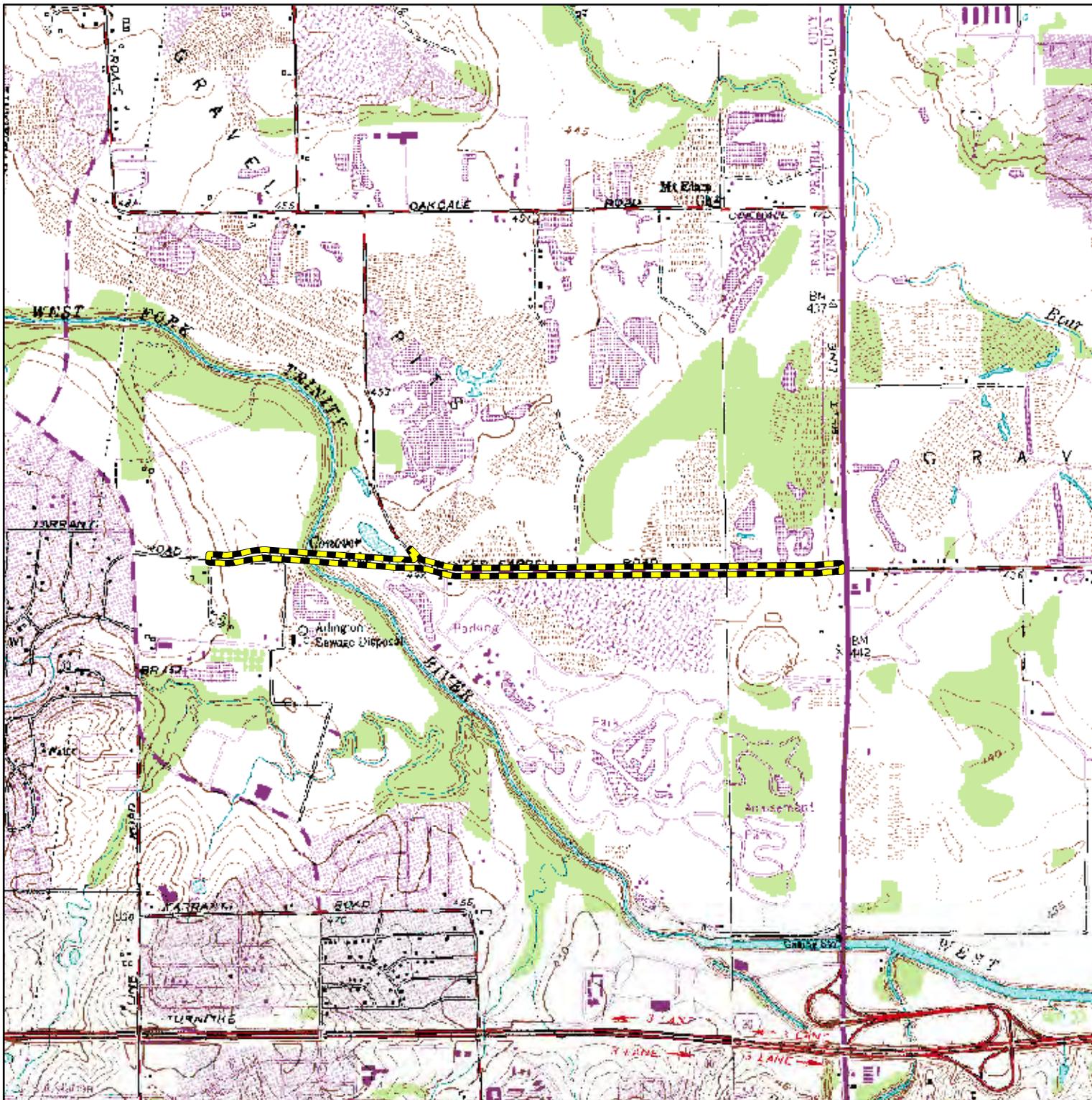
**Legend**

 Project Area

**Notes:**  
 1. Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the

Project Title: Wildlife Parkway  
 Project Number: SWF-2013-00516  
 Date: May 5, 2015 AVO: 28600  
 Sheet Title: VICINITY MAP  
 Sheet Number: Sheet 1 of 27





**Legend**

 Project Area

- Notes:**
1. USGS Quadrangle for "Euless, TX" and "Irving, TX"
  - 2.
  - 3.
  - 4.
  - 5.

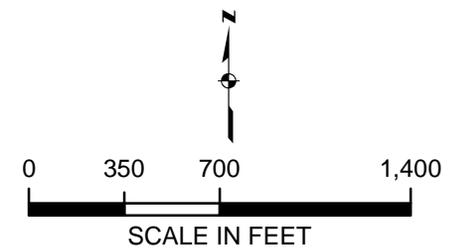
Project Title: Wildlife Parkway  
 Project Number: SWF-2013-00516

Date: May 5, 2015 AVO: 28600

Sheet Title: USGS Quadrangle

Sheet Number: Sheet 2 of 27





## Legend

-  Project ROW
-  Emergent Wetland
-  Ephemeral Stream
-  Scrub/Shrub Wetland
-  Navigable Water of the U.S.

### Notes:

1. 2014 Aerial Photography
- 2.
- 3.
- 4.
- 5.

Project Title:

Wildlife Parkway

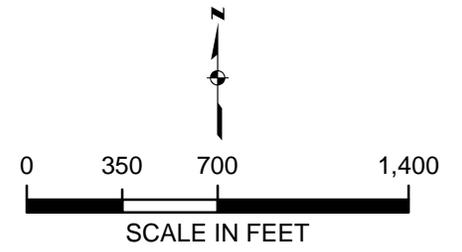
Project Number: SWF-2013-00516

Date: May 5, 2015 AVO: 28600

Sheet Title: Waters of the United States

Sheet Number: 3 of 27





### Legend

-  Project ROW
-  Emergent Wetland
-  Ephemeral Stream
-  Scrub/Shrub Wetland
-  Navigable Water of the U.S.

- Notes:
1. 2014 Aerial Photography
  - 2.
  - 3.
  - 4.
  - 5.

Project Title:  
Wildlife Parkway

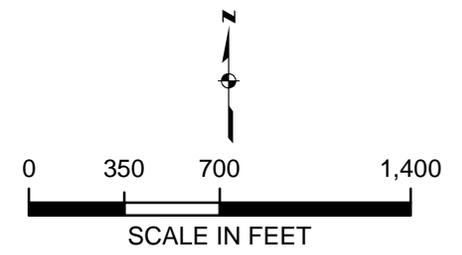
Project Number: SWF-2013-00561

Date: May 5, 2015      AVO: 28600

Sheet Title: Waters of the United States

Sheet Number: 4 of 27





**Legend**

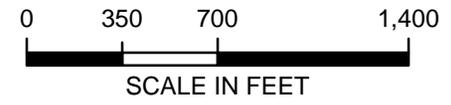
-  Project ROW
-  Emergent Wetland
-  Ephemeral Stream
-  Scrub/Shrub Wetland
-  Navigable Water of the U.S.
-  Impacts to Waters of the U.S.

**Notes:**

1. 2014 Aerial Photography
- 2.
- 3.
- 4.
- 5.

Project Title:  
 Wildlife Parkway  
 Project Number: SWF-2013-00561  
 Date: May 5, 2015 AVO: 28600  
 Sheet Title: Impacts to Waters of the United States  
 Sheet Number: 5 of 27





### Legend

-  Impacts to Waters of the U.S.
-  Emergent Wetland
-  Ephemeral Stream
-  Scrub/Shrub Wetland
-  Navigable Water of the U.S.
-  Project ROW

Notes:

1. 2014 Aerial Photography
- 2.
- 3.
- 4.
- 5.

Project Title:  
 Wildlife Parkway  
 Project Number: SWf-2013-00516  
 Date: May 5, 2015      AVO: 28600  
 Sheet Title: Impacts to Waters of the United States  
 Sheet Number: 6 of 27



SH161  
PRESIDENT GEORGE  
BUSH TURNPIKE

STA 10+00.48, 110.62' LT  
BEGIN PAVING IMPROVEMENTS  
MATCH EXISTING

REMOVE & REPLACE  
CRASH CUSHION

P.C. STA 9+97.64  
95.71' LT  
END CURB  
T/C=

P.C.C. STA 9+95.07  
80.11' LT  
T/C=

LIMITS OF  
RIPRAP REPLACEMENT

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T/C=

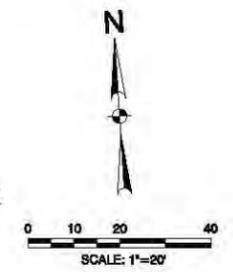
STA 11+28.48, 72.99' LT  
CURB RETURN  
T/C=

STA 10+93.48, 38.00' LT  
CURB RETURN  
T/C=

P.T. STA 10+44.45  
38.00' LT  
T/C=

STA 11+53.18, 72.96' LT  
CURB RETURN  
T/C=

STA 11+89.12, 37.03' LT  
CURB RETURN  
T/C=



CURVE DATA TABLE

Curve No.	Δ	R	T	L
1	36° 52' 12"	25.00'	8.33'	16.09'
2	80° 55' 00"	50.00'	42.64'	70.61'
3	25° 23' 14"	150.00'	33.79'	66.46'
4	15° 07' 21"	1050.00'	139.38'	277.13'
5	11° 59' 26"	1050.00'	110.27'	219.74'
8	15° 07' 21"	1050.00'	139.38'	277.13'

MATCH LINE STA. 7+00

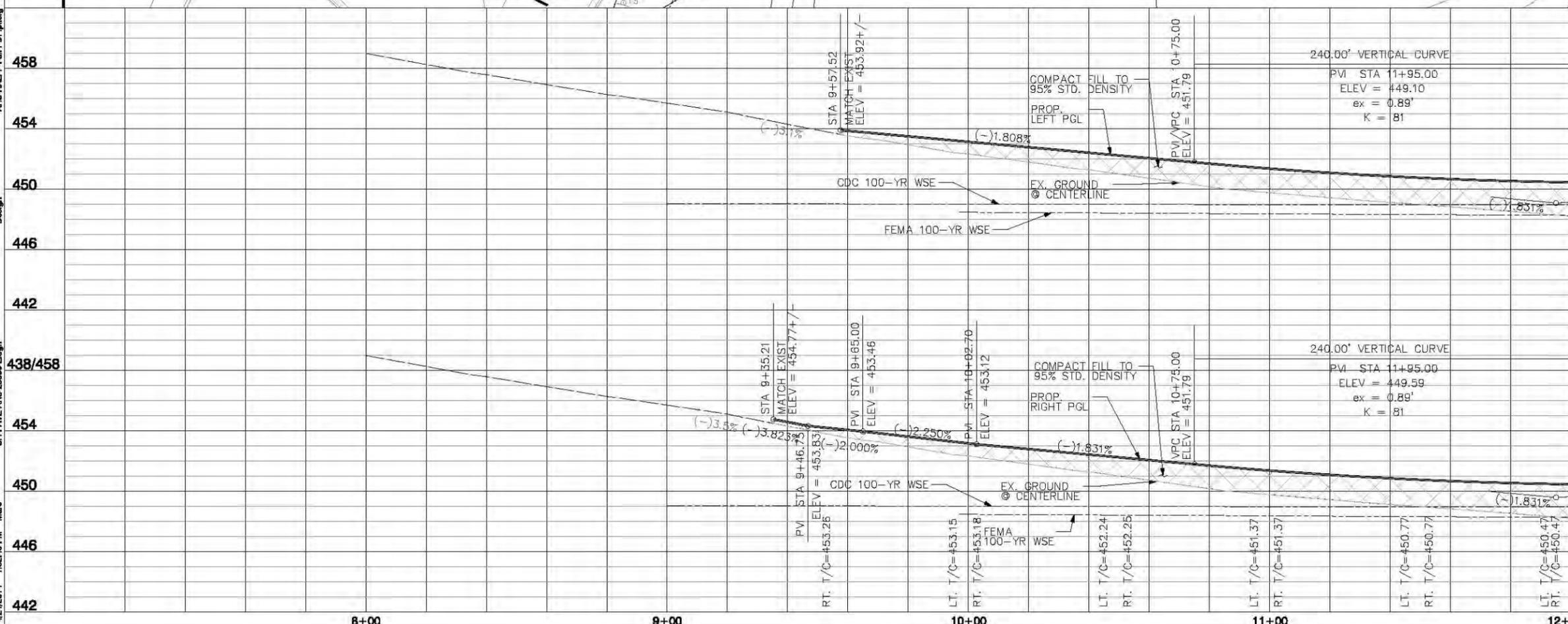
LOWER TARRANT  
ROAD

SH161  
NB FRONTAGE  
ROAD

WILDLIFE PARKWAY

MATCH LINE STA. 12+00

4/24/2014 1:32:45 PM Marc  
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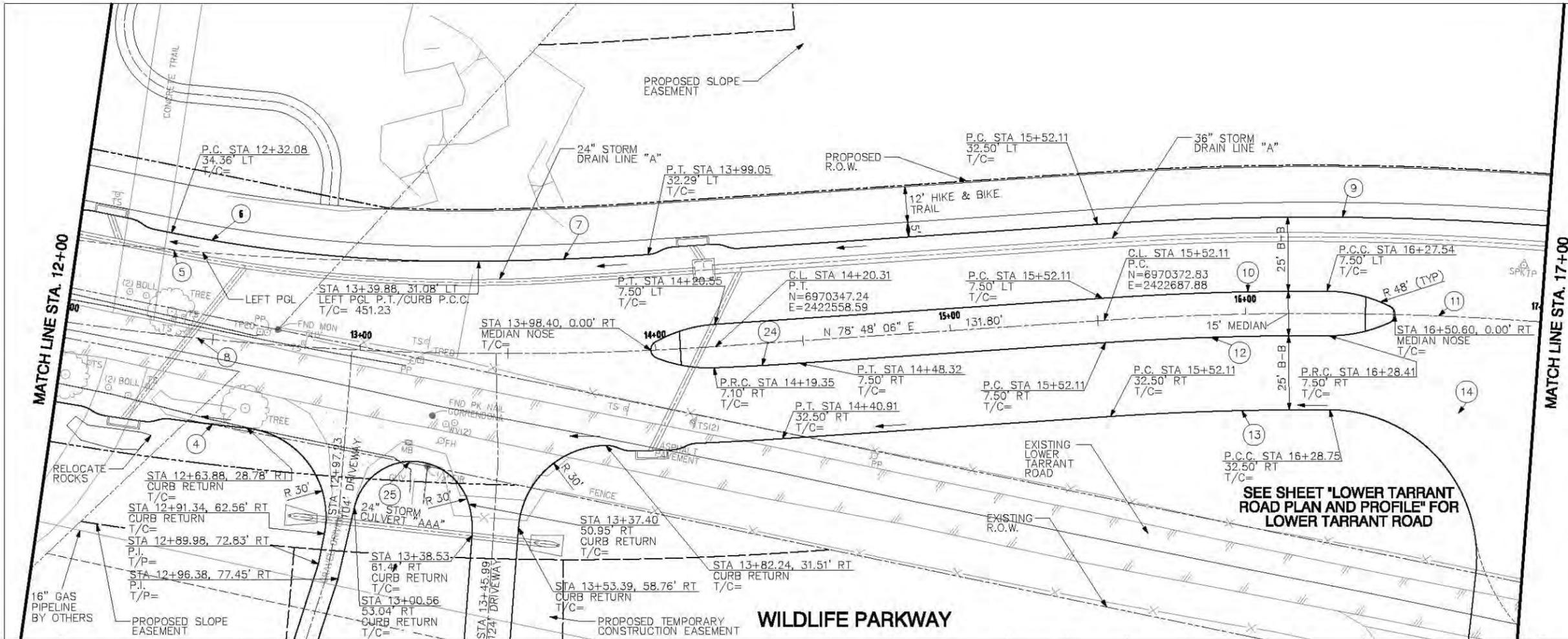


Station	Elevation	Notes
458		240.00' VERTICAL CURVE PVI STA 11+95.00 ELEV = 449.10 ex = 0.89' K = 81
454		COMPACT FILL TO 95% STD. DENSITY PROP. LEFT PGL PVI/IPC STA 10+75.00 ELEV = 451.79
450		EX. GROUND @ CENTERLINE
446		FEMA 100-YR WSE
442		
438/458		240.00' VERTICAL CURVE PVI STA 11+95.00 ELEV = 449.59 ex = 0.89' K = 81
454		COMPACT FILL TO 95% STD. DENSITY PROP. RIGHT PGL IPC STA 10+75.00 ELEV = 451.79
450		EX. GROUND @ CENTERLINE
446		FEMA 100-YR WSE
442		

PRELIMINARY SUBMITTAL  
NOT FOR CONSTRUCTION, BIDDING,  
OR PERMIT PURPOSES  
PREPARED UNDER THE SUPERVISION OF  
WILLIAM A. PARSONS, P.E. 71746  
04/25/2014

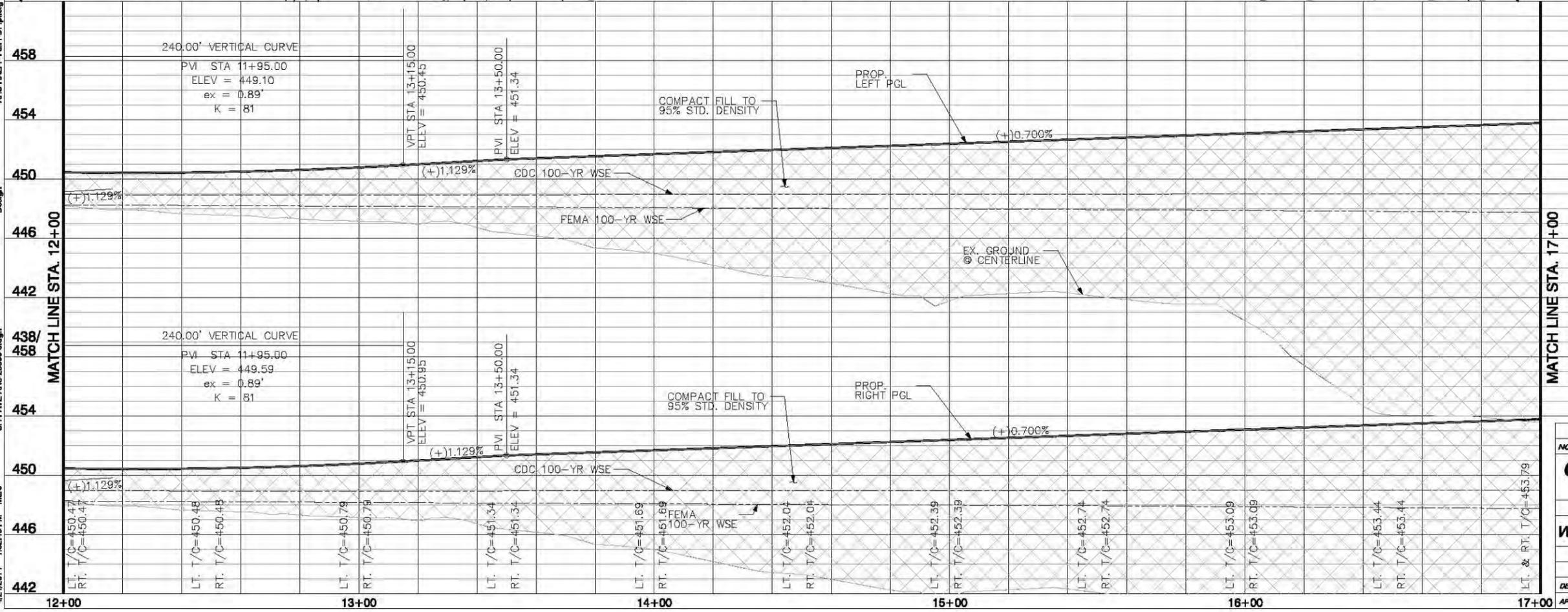
NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b> DEPARTMENT OF PUBLIC WORKS WILDLIFE PARKWAY PLAN AND PROFILE WILDLIFE PARKWAY ROAD IMPROVEMENTS FROM STA 7+00 TO STA 12+00 <b>ARS</b> Engineers, Inc. - Texas Registered Engineering Firm F-819 DESIGNED-ARS DRAWN-ARS DATE: FEBRUARY 2014 PROJECT: 40810 APPROVED-ARS CHECKED-ARS SCALE: 1"=20' SHEET 24 OF 157			

8+00 9+00 10+00 11+00 12+00



SCALE: 1"=20'  
CURVE DATA TABLE

4	Δ = 15° 07' 21" R = 1050.00' T = 139.38' L = 277.13'	10	Δ = 4° 06' 58" R = 1057.50' T = 38.00' L = 75.97'
5	Δ = 11° 59' 26" R = 1050.00' T = 110.27' L = 219.74'	11	Δ = 16° 13' 02" R = 1050.00' T = 149.60' L = 297.20'
6	Δ = 11° 59' 26" R = 500.00' T = 52.51' L = 104.64'	12	Δ = 4° 09' 50" R = 1042.50' T = 37.90' L = 75.76'
7	Δ = 03° 07' 55" R = 1050.00' T = 28.70' L = 57.40'	13	Δ = 4° 10' 55" R = 1017.50' T = 37.15' L = 74.27'
8	Δ = 15° 07' 21" R = 1050.00' T = 139.38' L = 277.13'	14	Δ = 8° 53' 44" R = 1017.50' T = 79.15' L = 157.97'
9	Δ = 16° 13' 02" R = 1082.50' T = 154.23' L = 306.40'	24	Δ = 01° 36' 02" R = 1037.50' T = 14.49' L = 28.98'
		25	Δ = 150° 56' 47" R = 20.00' T = 77.19' L = 52.69'

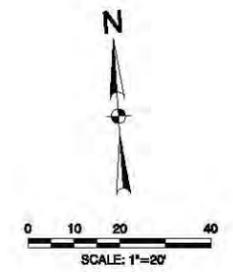
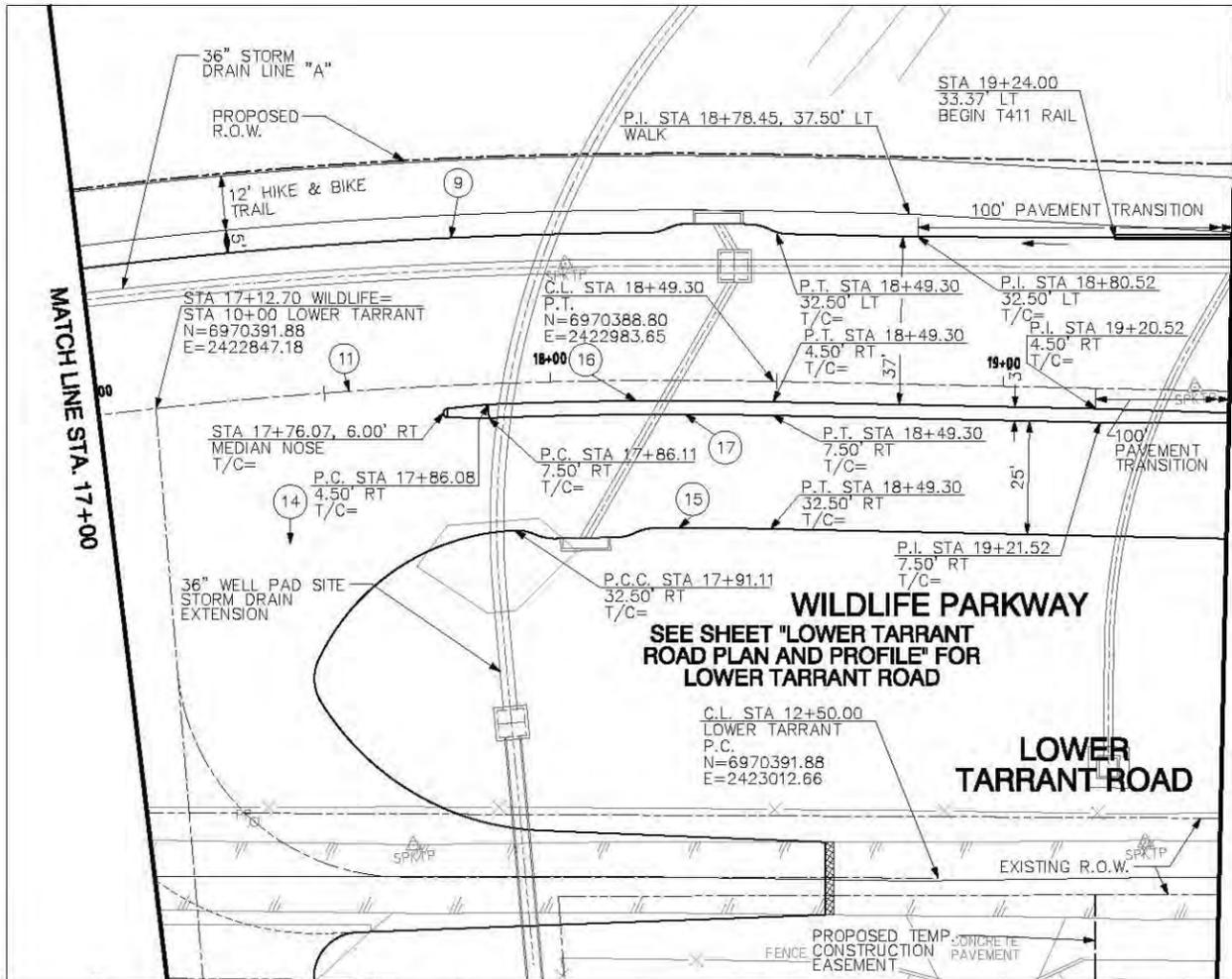


SCALE:  
H: 1"=20'  
V: 1"=4'

PRELIMINARY SUBMITTAL  
NOT FOR CONSTRUCTION, BIDDING,  
OR PERMIT PURPOSES  
PREPARED UNDER THE SUPERVISION OF  
WILLIAM A. PARSONS, P.E. 71746  
04/25/2014

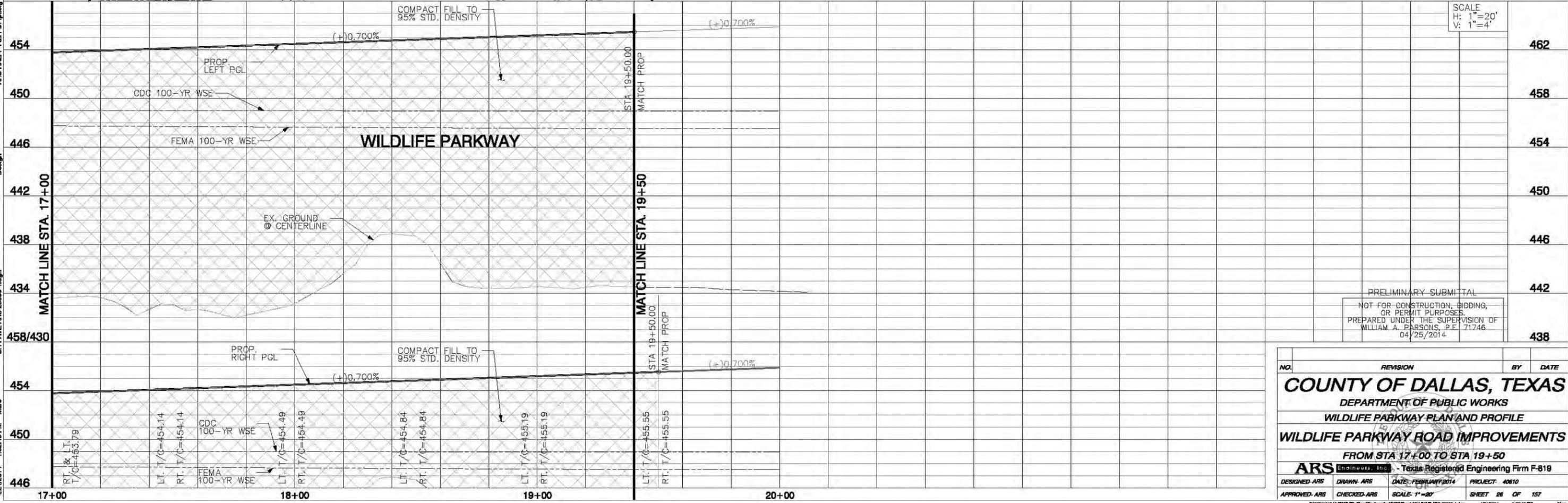
NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
<b>DEPARTMENT OF PUBLIC WORKS</b>			
<b>WILDLIFE PARKWAY PLAN AND PROFILE</b>			
<b>WILDLIFE PARKWAY ROAD IMPROVEMENTS</b>			
<b>FROM STA 12+00 TO STA 17+00</b>			
<b>ARS</b> <small>Engineers, Inc.</small> - Texas Registered Engineering Firm F-819			
DESIGNED: ARS	DRAWN: ARS	DATE: FEBRUARY 2014	PROJECT: 40810
APPROVED: ARS	CHECKED: ARS	SCALE: 1"=20'	SHEET 25 OF 157

4/24/2014 1:32:48 PM Marc  
SH+PAVE-ARS-28800-3.dgn  
Design  
ARS-HAUF-FUL-PDF.plt09



CURVE DATA TABLE

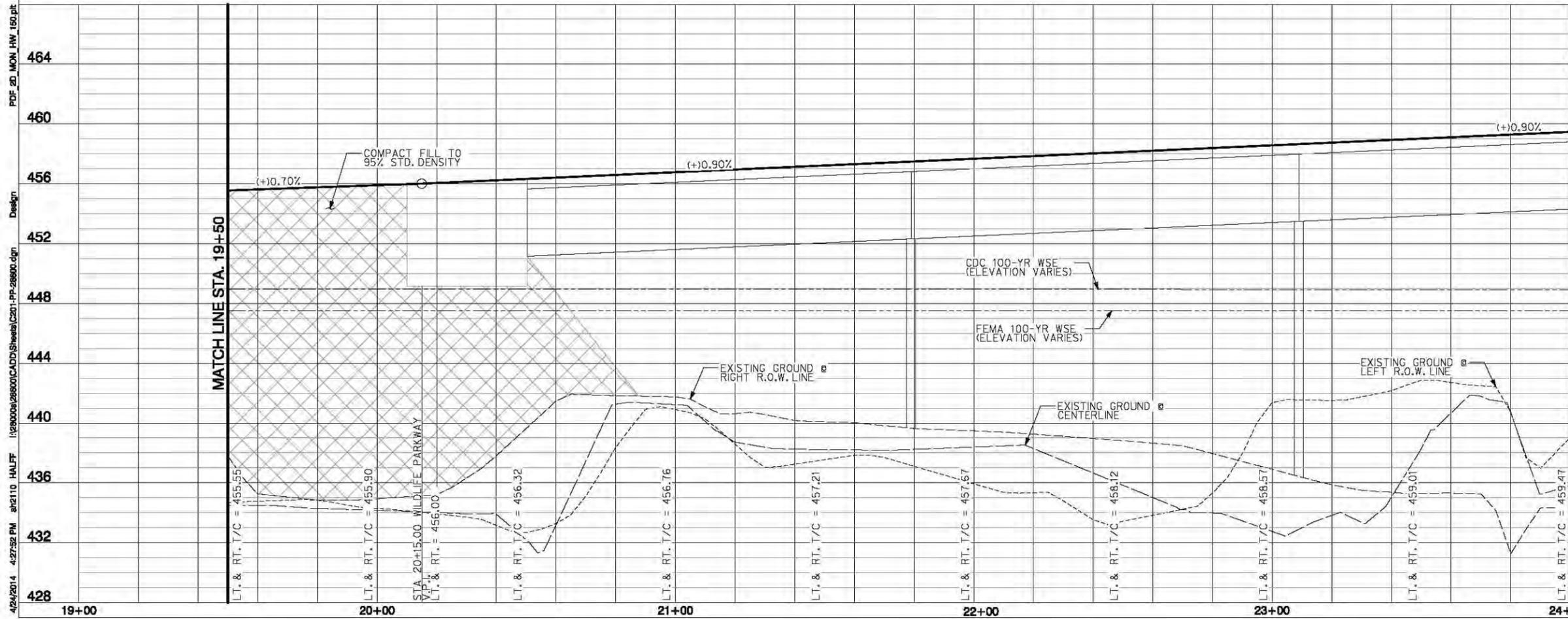
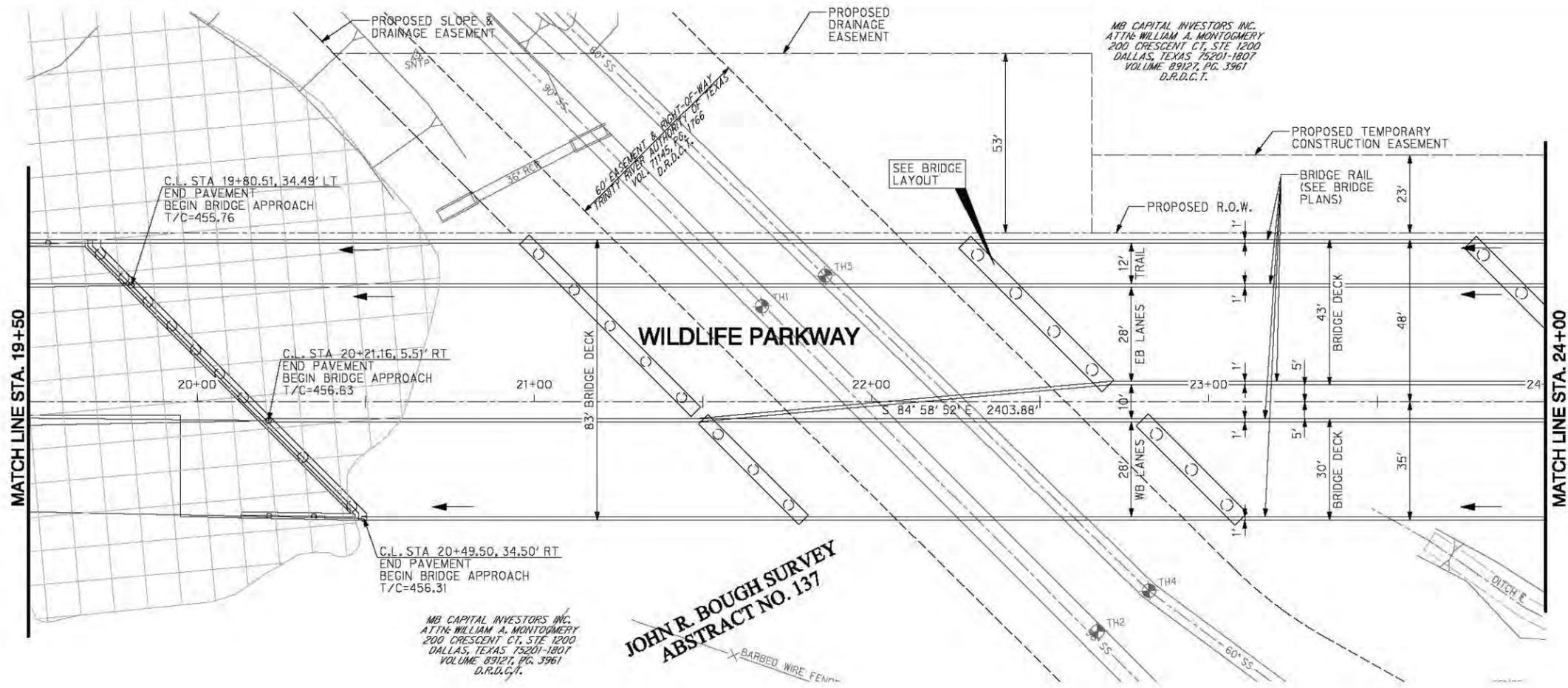
9	$\Delta = 16' 13' 02''$ $R = 1082.50'$ $T = 154.23'$ $L = 306.40'$	15	$\Delta = 3' 10' 31''$ $R = 1017.50'$ $T = 28.20'$ $L = 56.39'$
11	$\Delta = 16' 13' 02''$ $R = 1050.00'$ $T = 149.60'$ $L = 297.20'$	16	$\Delta = 3' 26' 59''$ $R = 1045.50'$ $T = 31.48'$ $L = 62.95'$
14	$\Delta = 8' 53' 44''$ $R = 1017.50'$ $T = 79.15'$ $L = 157.97'$	17	$\Delta = 3' 26' 54''$ $R = 1042.50'$ $T = 31.38'$ $L = 62.74'$



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 PREPARED UNDER THE SUPERVISION OF  
 WILLIAM A. PARSONS, P.E. 71746  
 04/25/2014

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
<b>DEPARTMENT OF PUBLIC WORKS</b>			
<b>WILDLIFE PARKWAY PLAN AND PROFILE</b>			
<b>WILDLIFE PARKWAY ROAD IMPROVEMENTS</b>			
<b>FROM STA 17+00 TO STA 19+50</b>			
<b>ARS Engineers, Inc.</b> - Texas Registered Engineering Firm F-819			
DESIGNED: ARS	DRAWN: ARS	DATE: FEBRUARY 2014	PROJECT: 40810
APPROVED: ARS	CHECKED: ARS	SCALE: 1"=20'	SHEET 26 OF 157

4/24/2014 1:32:48 PM Marc  
 SH+PAVE-ARS-28600-4.dgn  
 Design  
 ARS-HAUF-FUL-PDF.plt09



4/24/2014 4:27:52 PM a:\2110 HALFF \19280009\289800\CADD\Sheet\3001-PP-289800.dgn Design

PDF 3D MON HW 150.plt

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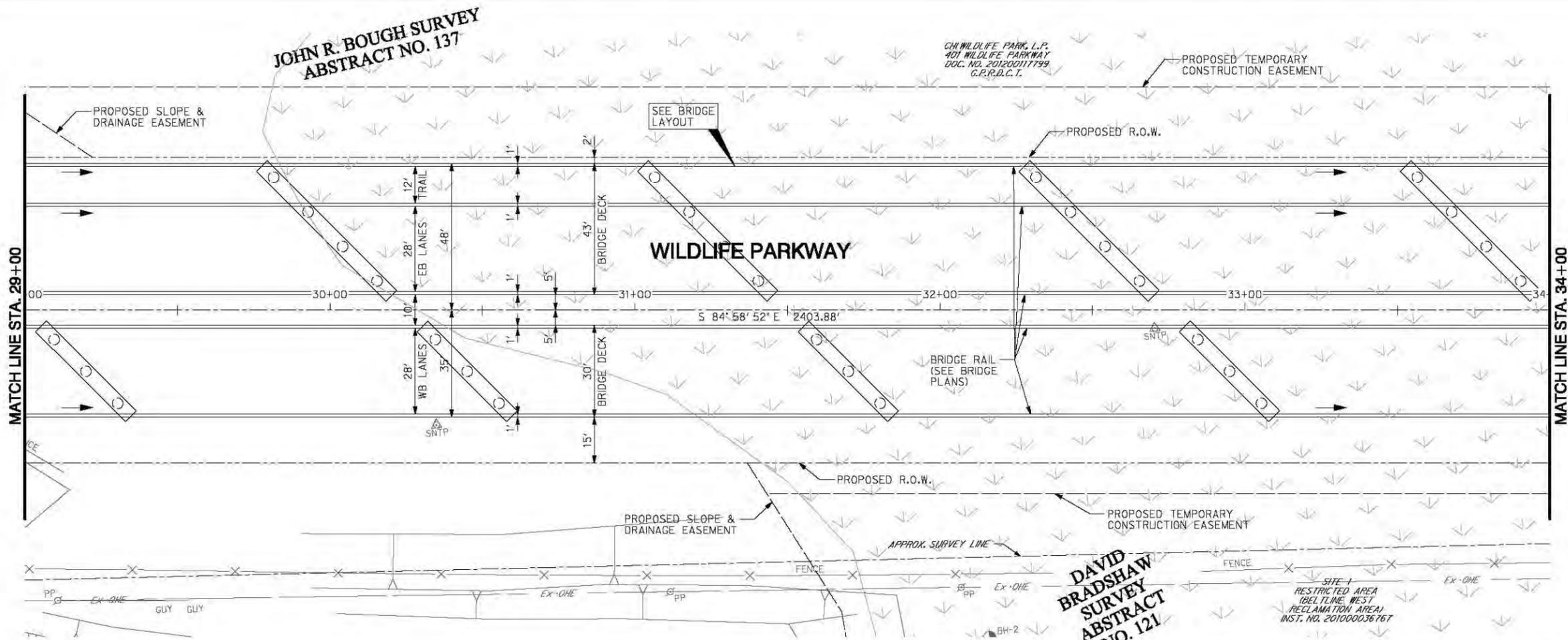
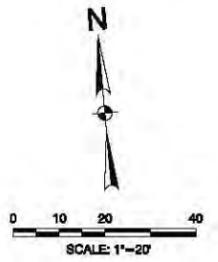
DAVID A. BURKETT	10068
NAME	P.E. NO.
DATE	4/24/2014
TYPE PERM	0F-312

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 19+50 TO STA 24+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 27 OF 157



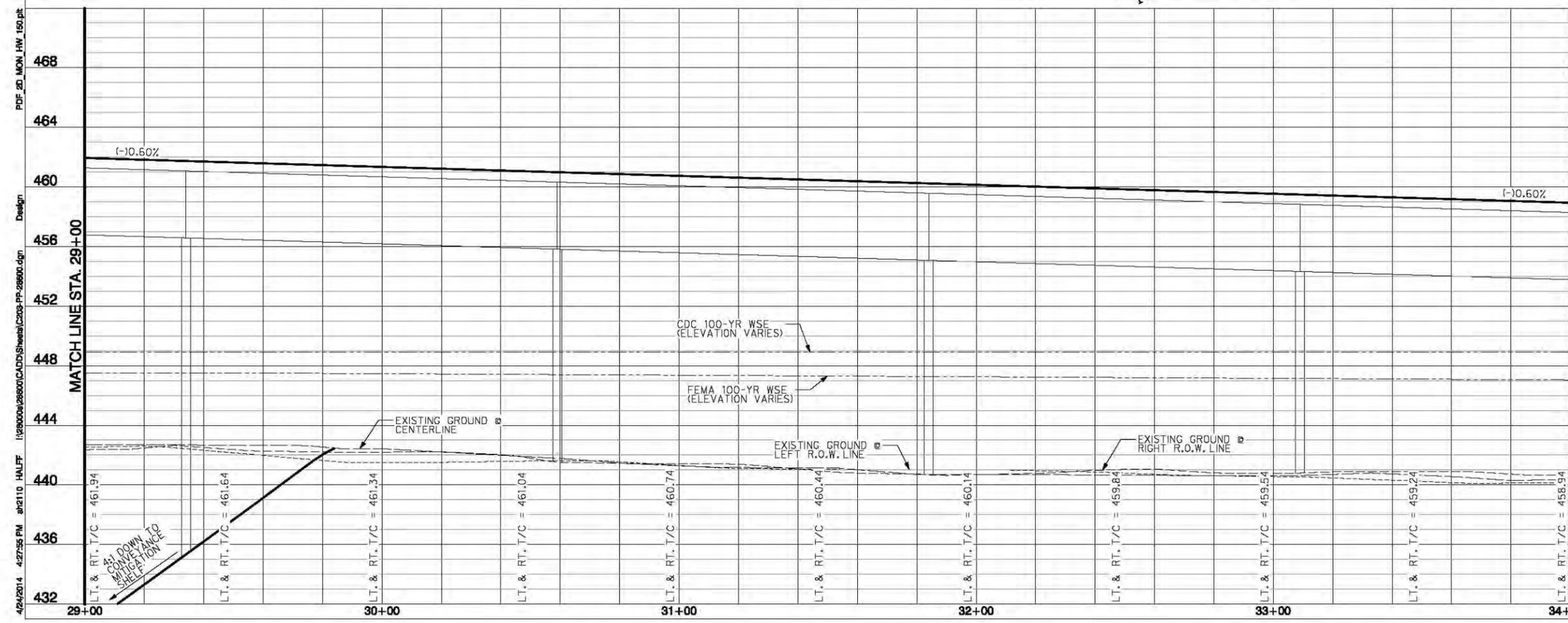
JOHN R. BOUGH SURVEY  
ABSTRACT NO. 137

GH WILDLIFE PARK, L.P.  
401 WILDLIFE PARKWAY  
DOC. NO. 201200117199  
G.P.C.B.C.T.



DAVID BRADSHAW  
SURVEY  
ABSTRACT  
NO. 121

SITE 1  
RESTRICTED AREA  
(BELT LINE WEST  
RECLAMATION AREA)  
INST. NO. 201000036767



SCALE  
H: 1"=20'  
V: 1"=4'

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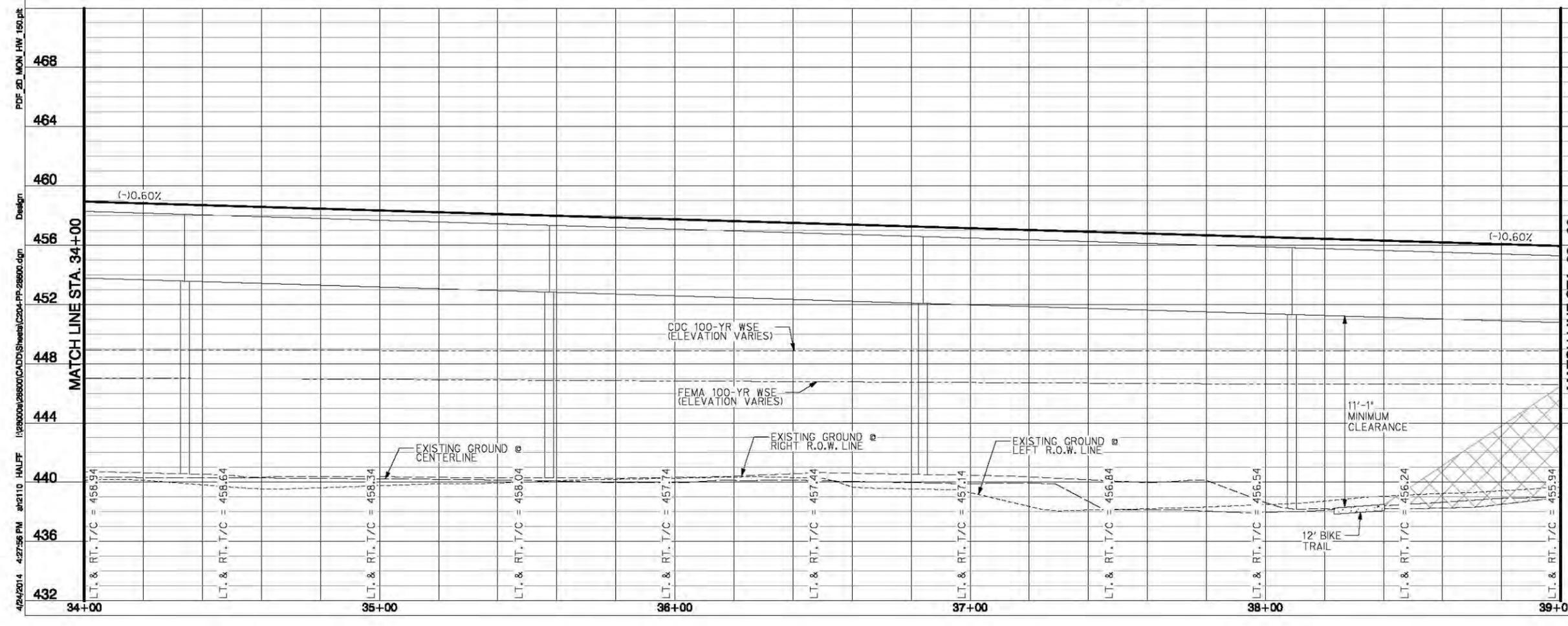
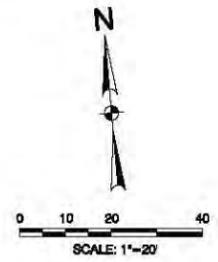
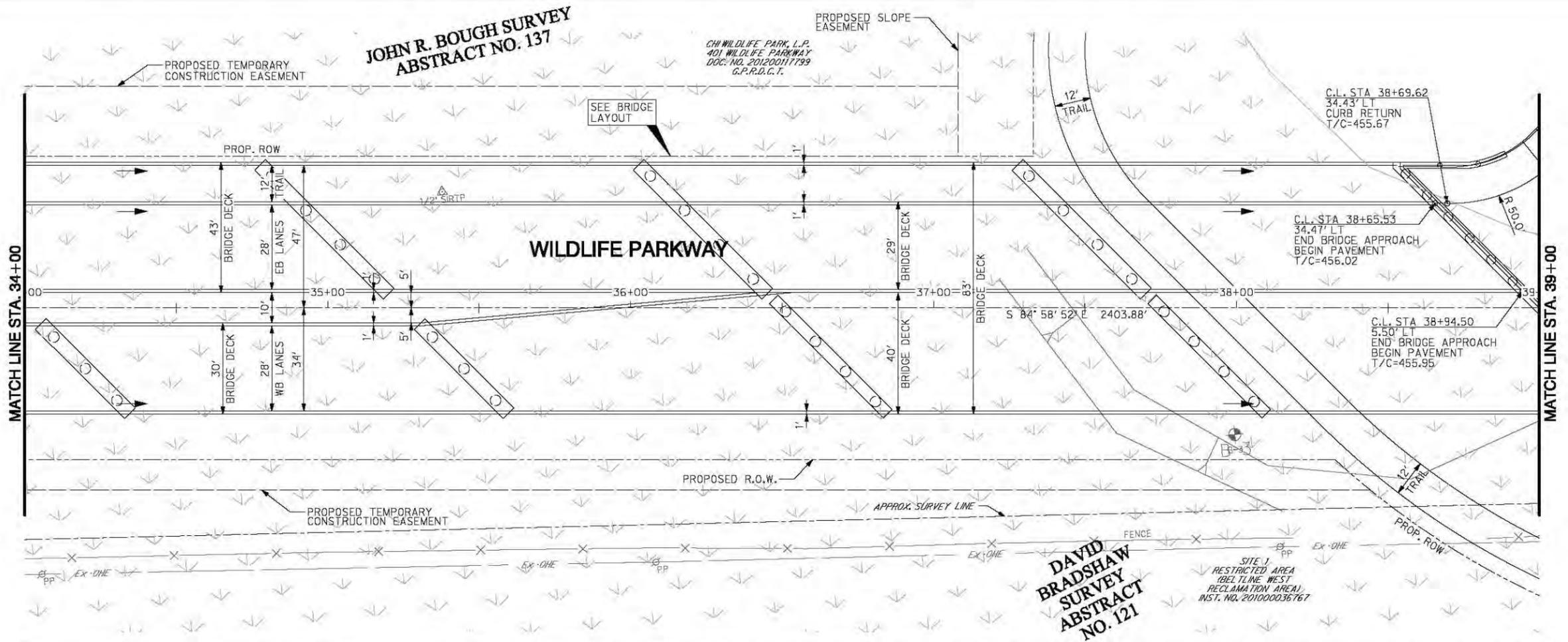
DAVID A. BURKETT	100088
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM	09-312

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b> DEPARTMENT OF PUBLIC WORKS WILDLIFE PARKWAY PLAN AND PROFILE WILDLIFE PARKWAY ROAD IMPROVEMENTS FROM STA 29+00 TO STA 34+00 <b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED	HALFF	DRAWN	HALFF
DATE	APRIL 2014	PROJECT	40810
APPROVED	CHECKED	SCALE: 1" = 20'	SHEET 29 OF 157

4/24/2014 4:27:55 PM a02110 HALFF I:\2010009\298900\CADD\Sheet\C03-PP-29890.dgn Design

**JOHN R. BOUGH SURVEY  
ABSTRACT NO. 137**

CH WILDLIFE PARK, L.P.  
401 WILDLIFE PARKWAY  
DOC. NO. 20120011799  
G.P.R.D.C.T.



SCALE  
H: 1"=20'  
V: 1"=4'

**PRELIMINARY**

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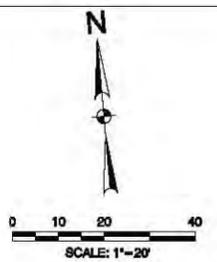
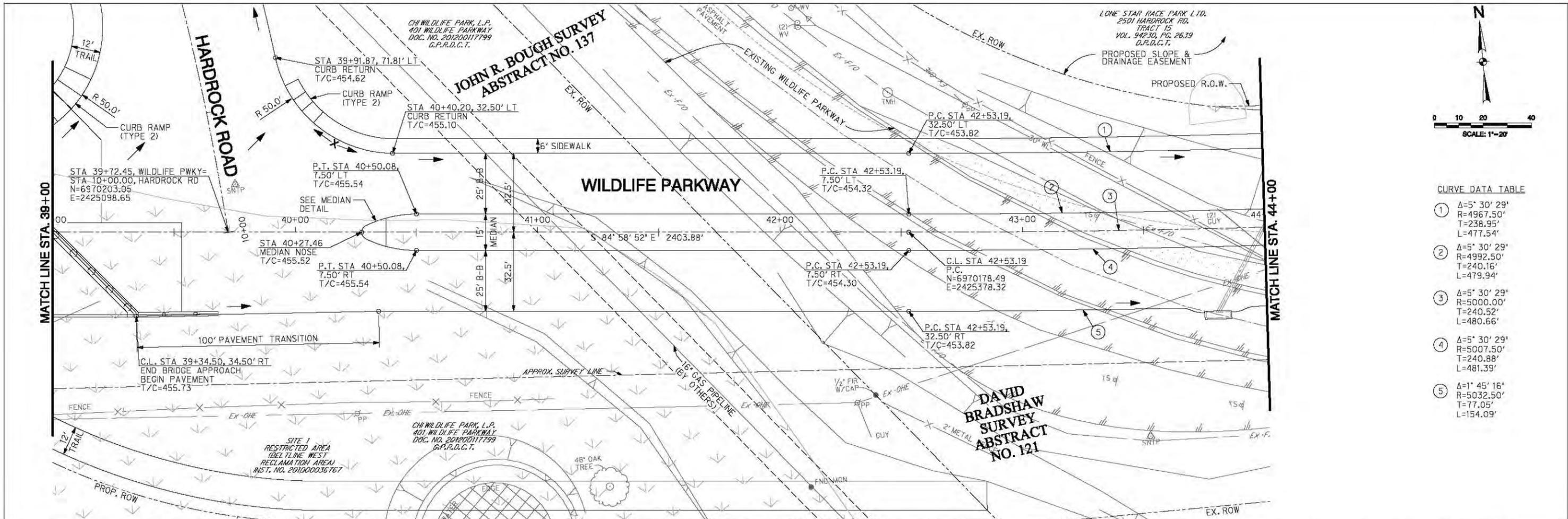
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	100088
DAVID A. BURKETT	P.E. NO.
DATE	4/24/2014
TYPE FROM	04-312

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 34+00 TO STA 39+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 30 OF 157

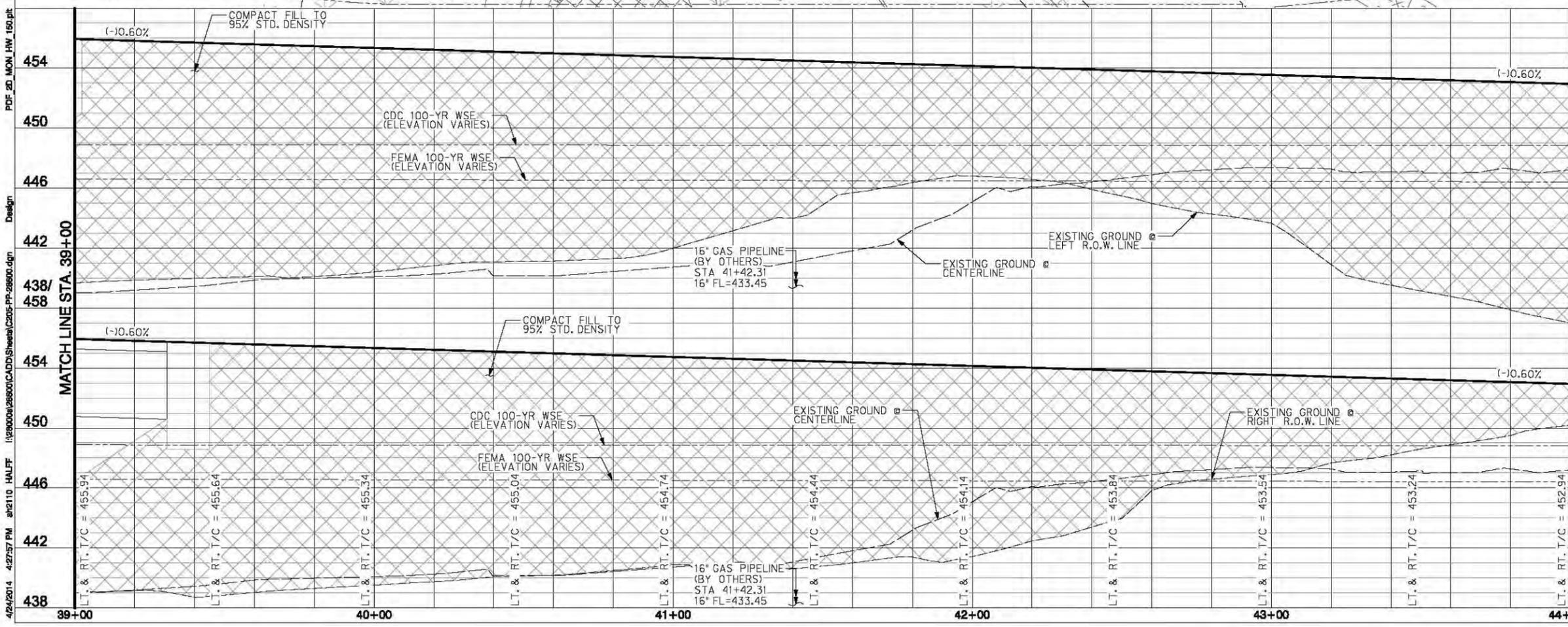
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a12110



**CURVE DATA TABLE**

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	T=238.95'
	L=477.54'
②	Δ=5° 30' 29"
	R=4992.50'
	T=240.16'
	L=479.94'
③	Δ=5° 30' 29"
	R=5000.00'
	T=240.52'
	L=480.66'
④	Δ=5° 30' 29"
	R=5007.50'
	T=240.88'
	L=481.39'
⑤	Δ=1° 45' 16"
	R=5032.50'
	T=77.05'
	L=154.09'



454		454
450		450
446		446
442		442
438/458		438/458
454		454
450		450
446		446
442		442
438		438

SCALE  
H: 1"=20'  
V: 1"=4'

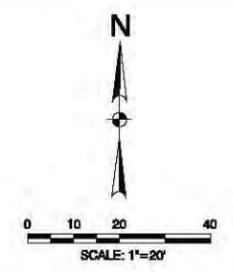
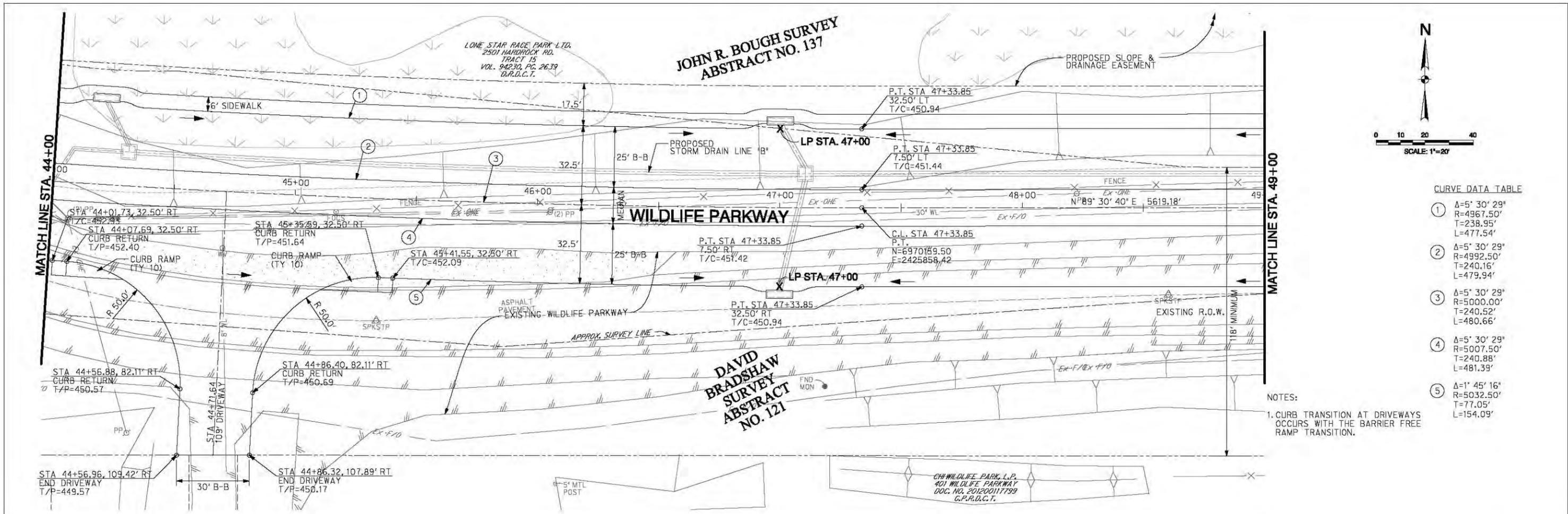
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DAVID A. BURKETT	10008
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM 04-312	

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 39+00 TO STA 44+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 31 OF 157

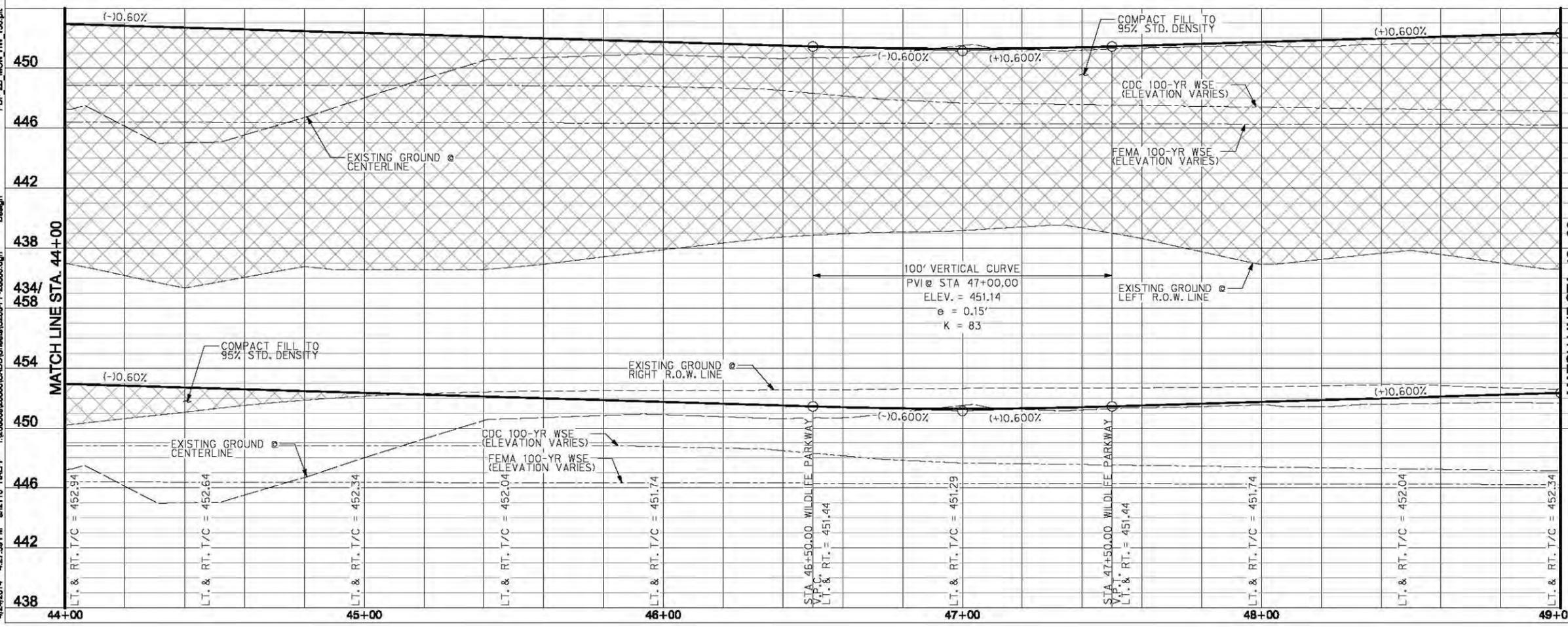
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CURVE DATA TABLE

①	Δ=5° 30' 29"	R=4967.50'	T=238.95'	L=477.54'
②	Δ=5° 30' 29"	R=4992.50'	T=240.16'	L=479.94'
③	Δ=5° 30' 29"	R=5000.00'	T=240.52'	L=480.66'
④	Δ=5° 30' 29"	R=5007.50'	T=240.88'	L=481.39'
⑤	Δ=1° 45' 16"	R=5032.50'	T=77.05'	L=154.09'

NOTES:  
1. CURB TRANSITION AT DRIVEWAYS OCCURS WITH THE BARRIER FREE RAMP TRANSITION.



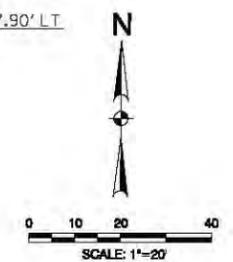
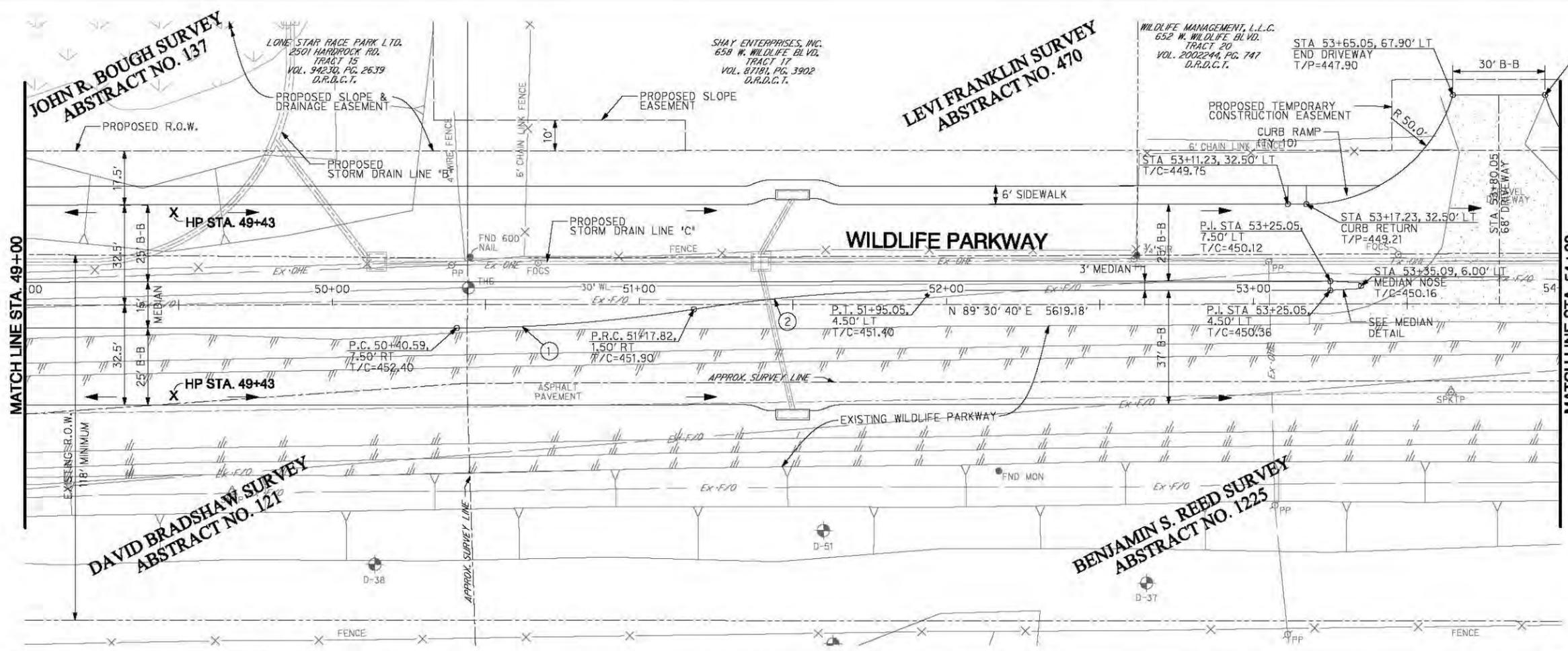
SCALE	H: 1"=20'	V: 1"=4'
450		450
446		446
442		442
438		438
434/458		434/458
454		454
450		450

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DATE	4/24/2014	
TYPE FROM	09-312	

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 44+00 TO STA 49+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED	HALFF	DRAWN	HALFF
DATE	APRIL 2014	PROJECT	40810
APPROVED	CHECKED	SCALE	1" = 20'
		SHEET	32 OF 157

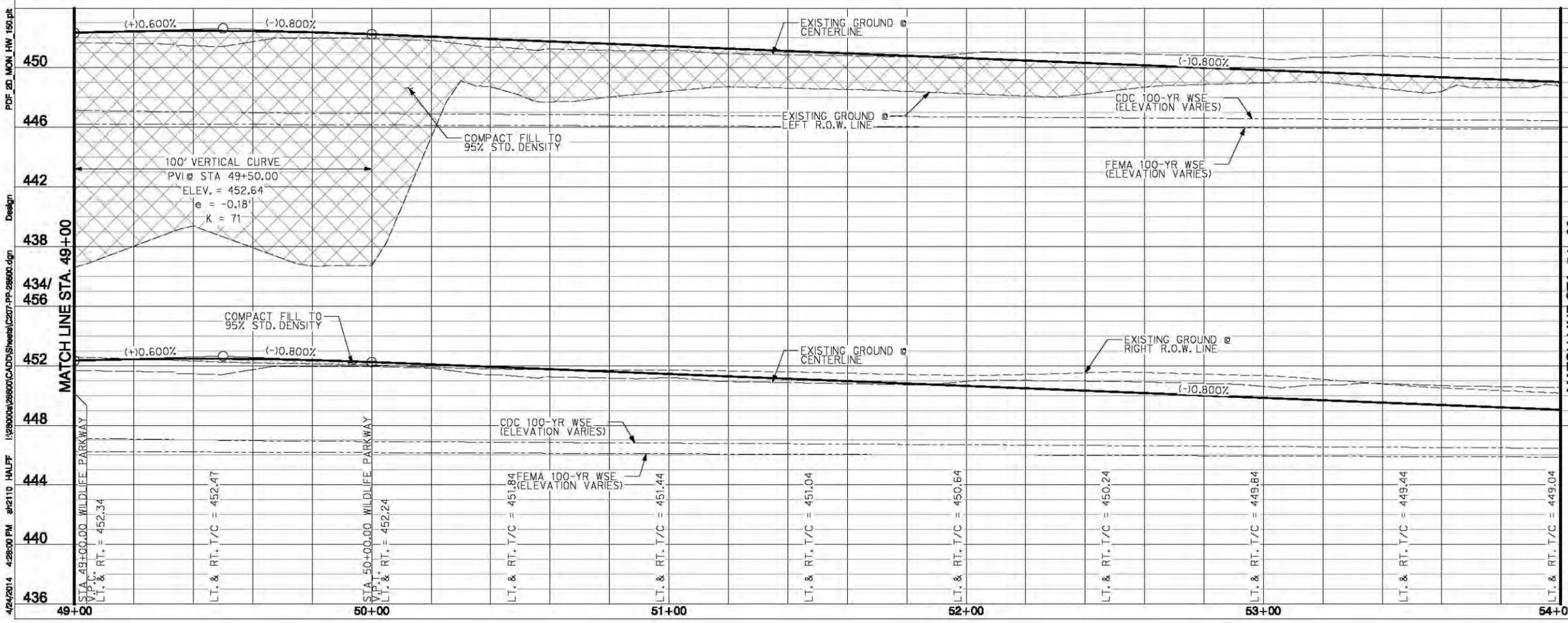
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**CURVE DATA TABLE**

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	T=38.85'
	L=77.54'
②	Δ=8° 53' 6"
	R=500.00'
	T=38.85'
	L=77.54'

NOTES:  
 1. CURB TRANSITION AT DRIVEWAYS OCCURS WITH THE BARRIER FREE RAMP TRANSITION.



450	450
446	446
442	442
438	438
434/456	434/456
452	452
448	448

SCALE  
 H: 1"=20'  
 V: 1"=4'

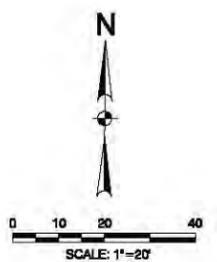
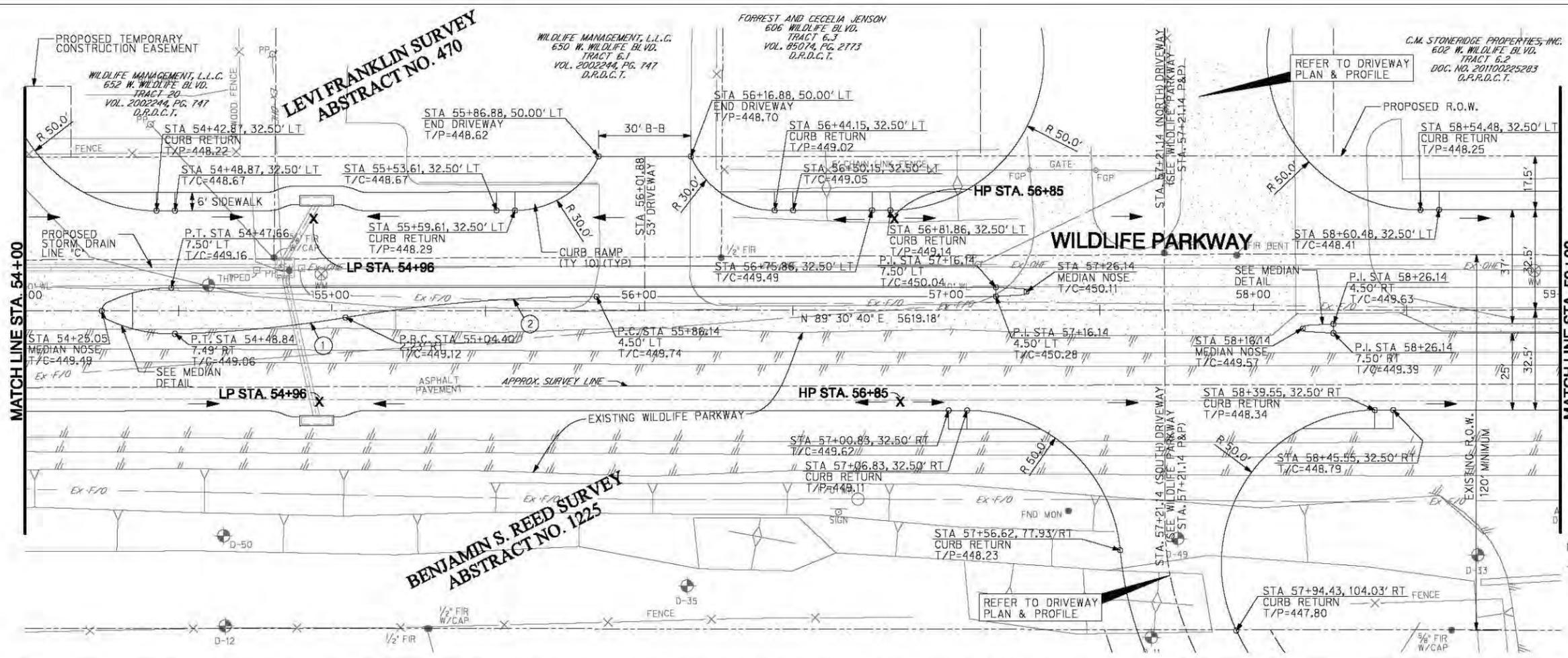
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DAVID A. BURKETT	10008
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM 06-312	

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 49+00 TO STA 54+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 33 OF 157

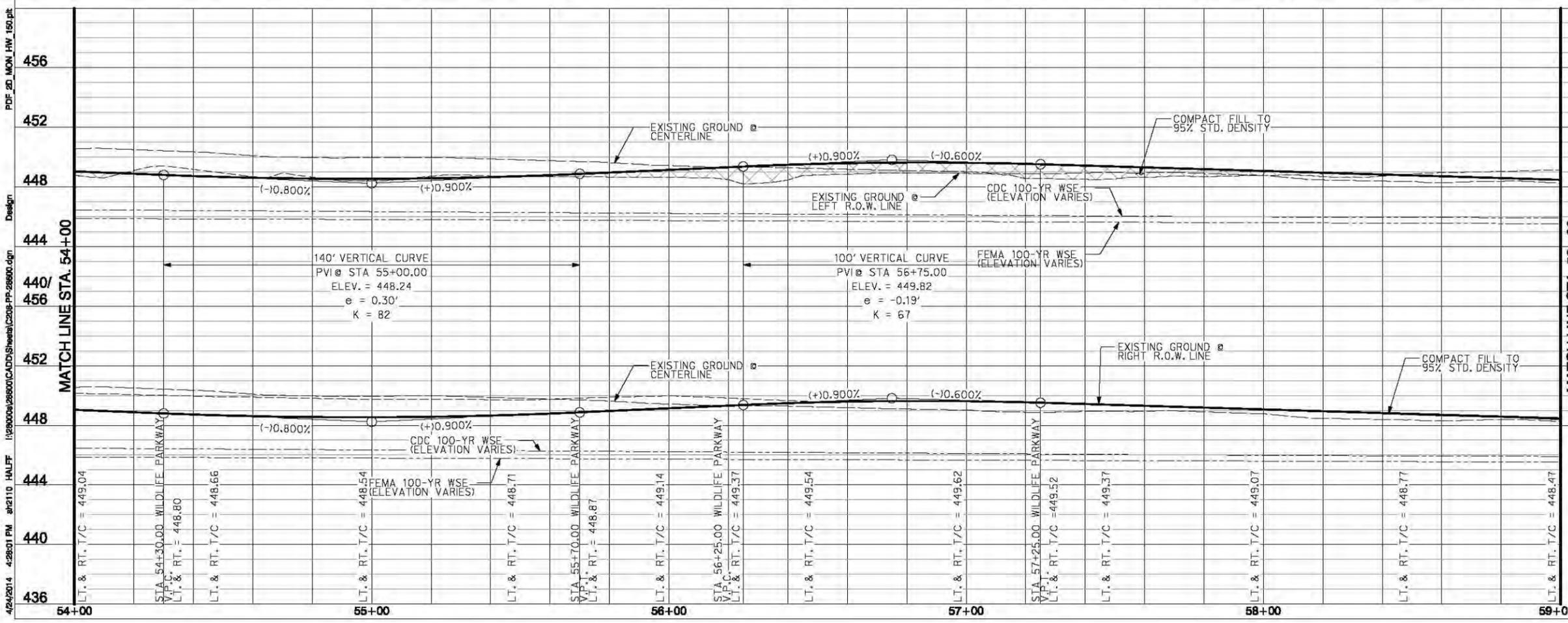
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**CURVE DATA TABLE**

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	T=27.97'
	L=55.86'
②	Δ=9° 24' 30"
	R=500.00'
	T=41.14'
	L=82.10'

**NOTES:**  
 1. CURB TRANSITION AT DRIVEWAYS OCCURS WITH THE BARRIER FREE RAMP TRANSITION.



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452	452
448	448
444	444
440/456	440/456
452	452
448	448

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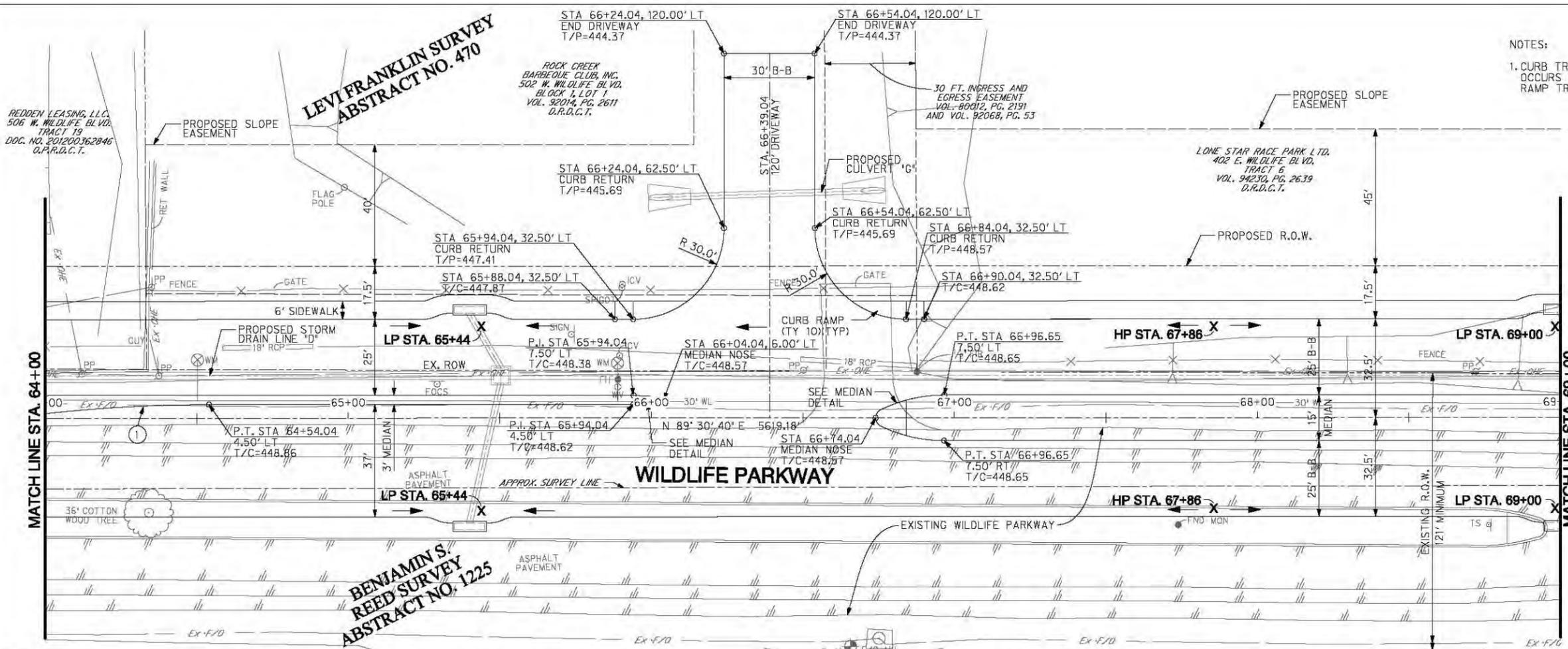
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DAVID A. BURKETT	10068
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM 09-312	

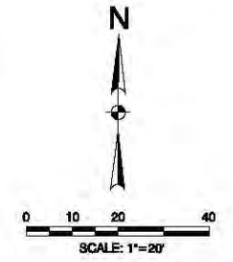
NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 54+00 TO STA 59+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 34 OF 157

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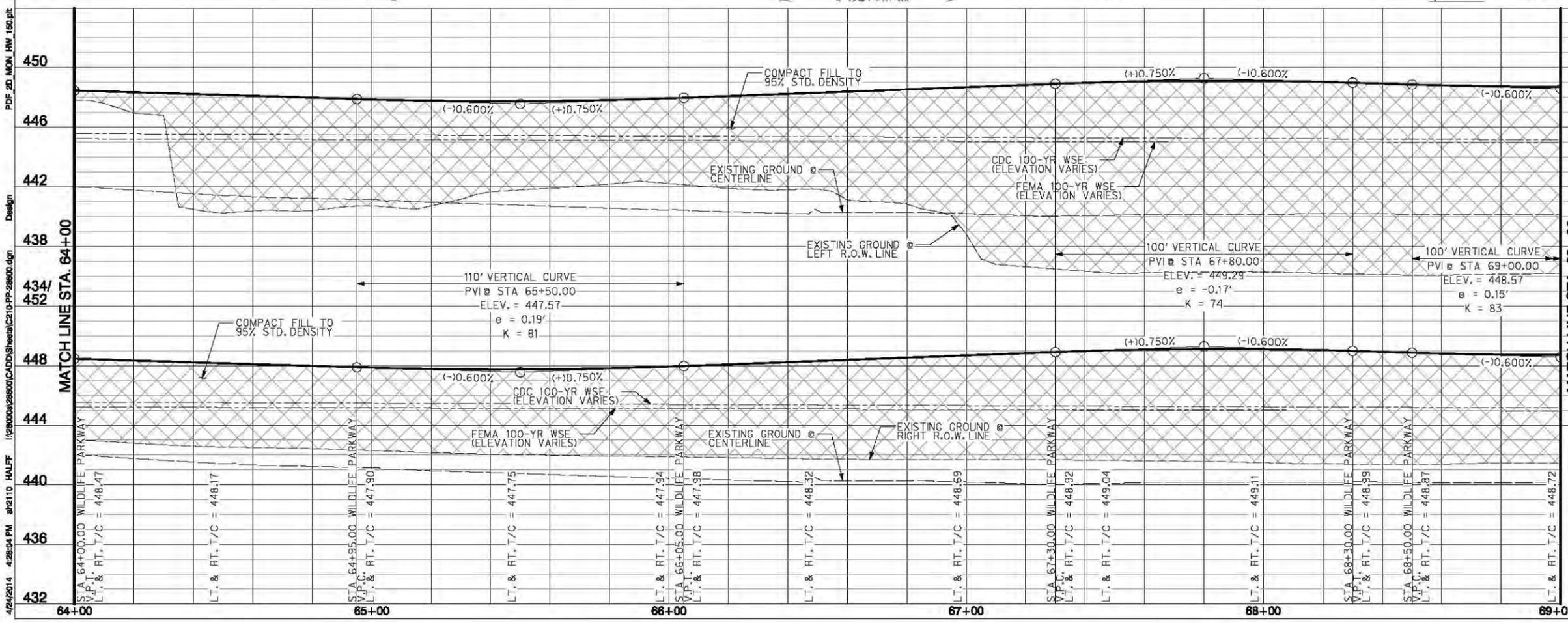


NOTES:  
 1. CURB TRANSITION AT DRIVEWAYS OCCURS WITH THE BARRIER FREE RAMP TRANSITION.



CURVE DATA TABLE

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	T=41.12'
	L=82.06'



SCALE  
 H: 1"=20'  
 V: 1"=4'

**PRELIMINARY**  
 FOR INTERIM REVIEW ONLY

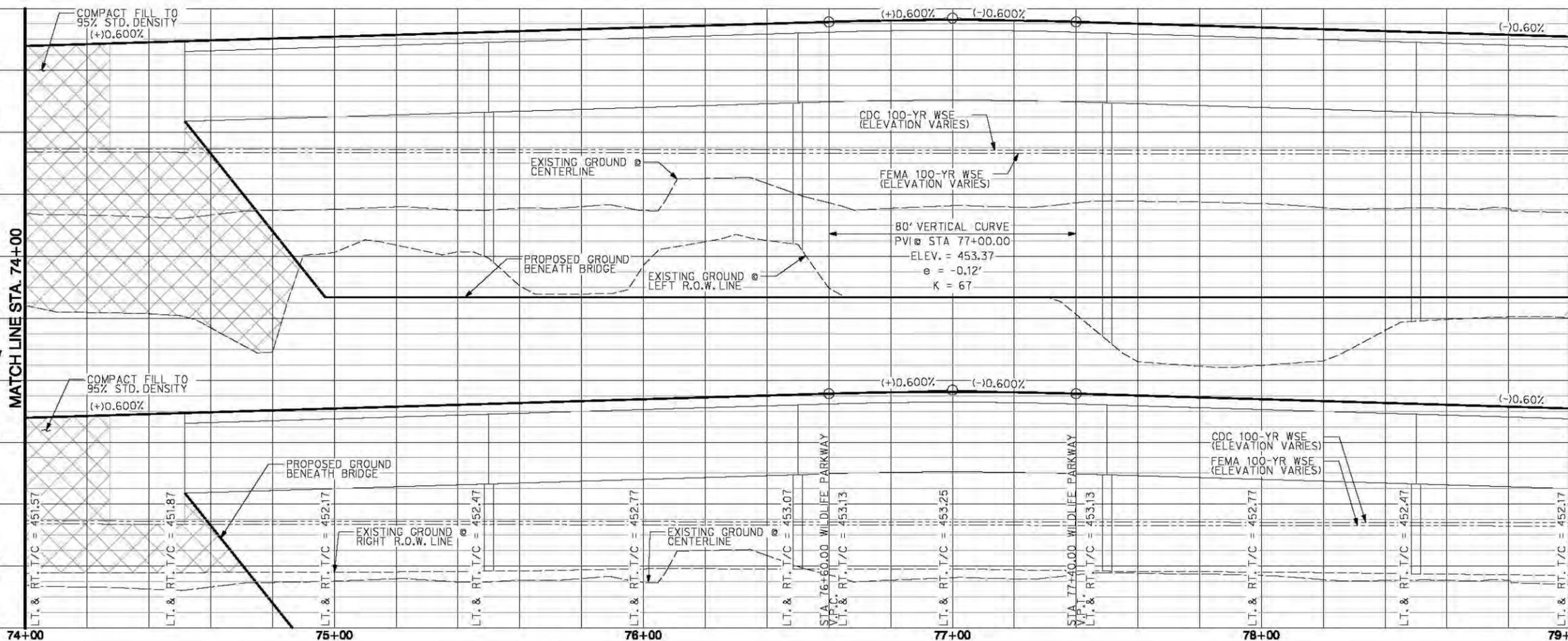
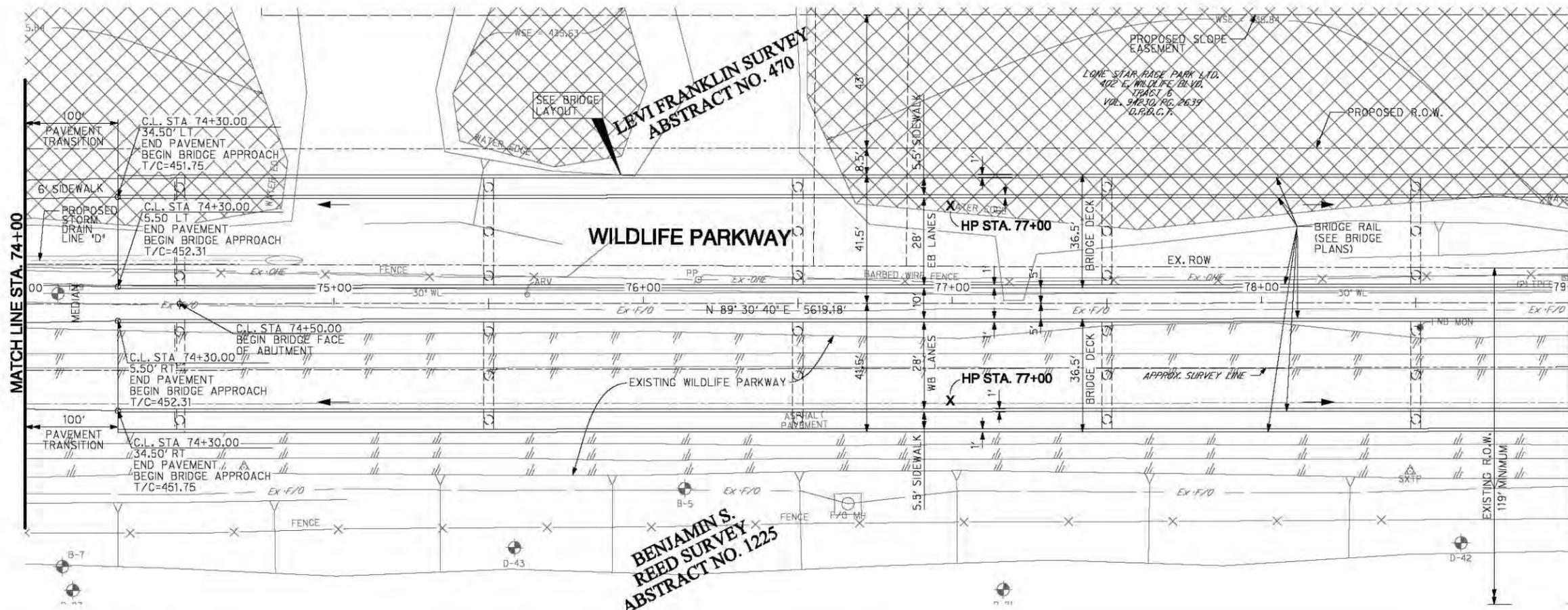
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	DAVID A. BURKETT	10008
P.E. NO.		
DATE		4/24/2014
TYPE FROM	09-312	

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 64+00 TO STA 69+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED	HALFF	DRAWN	HALFF
DATE	APRIL 2014	PROJECT	40810
APPROVED	CHECKED	SCALE	1" = 20'
		SHEET	36 OF 157

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SCALE H: 1"=20' V: 1"=4'		450
		446
		442
		438
		434
		430/454
		450

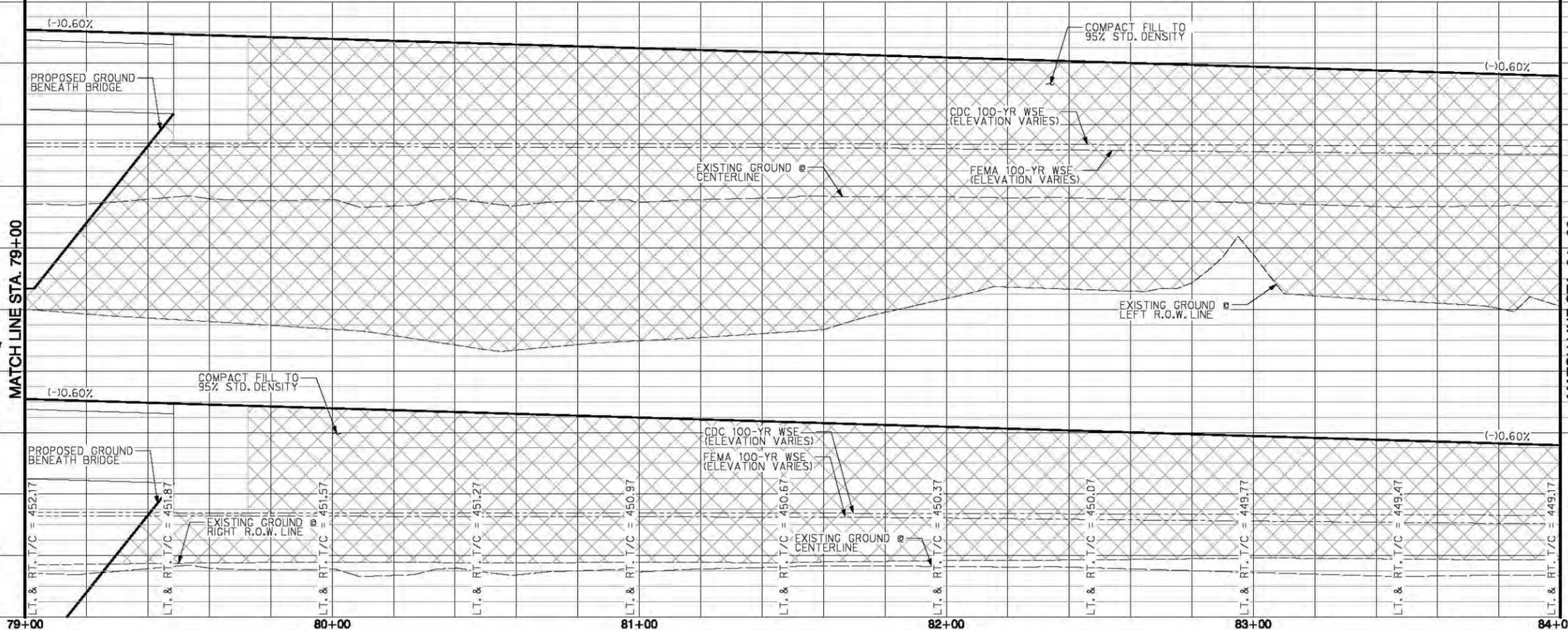
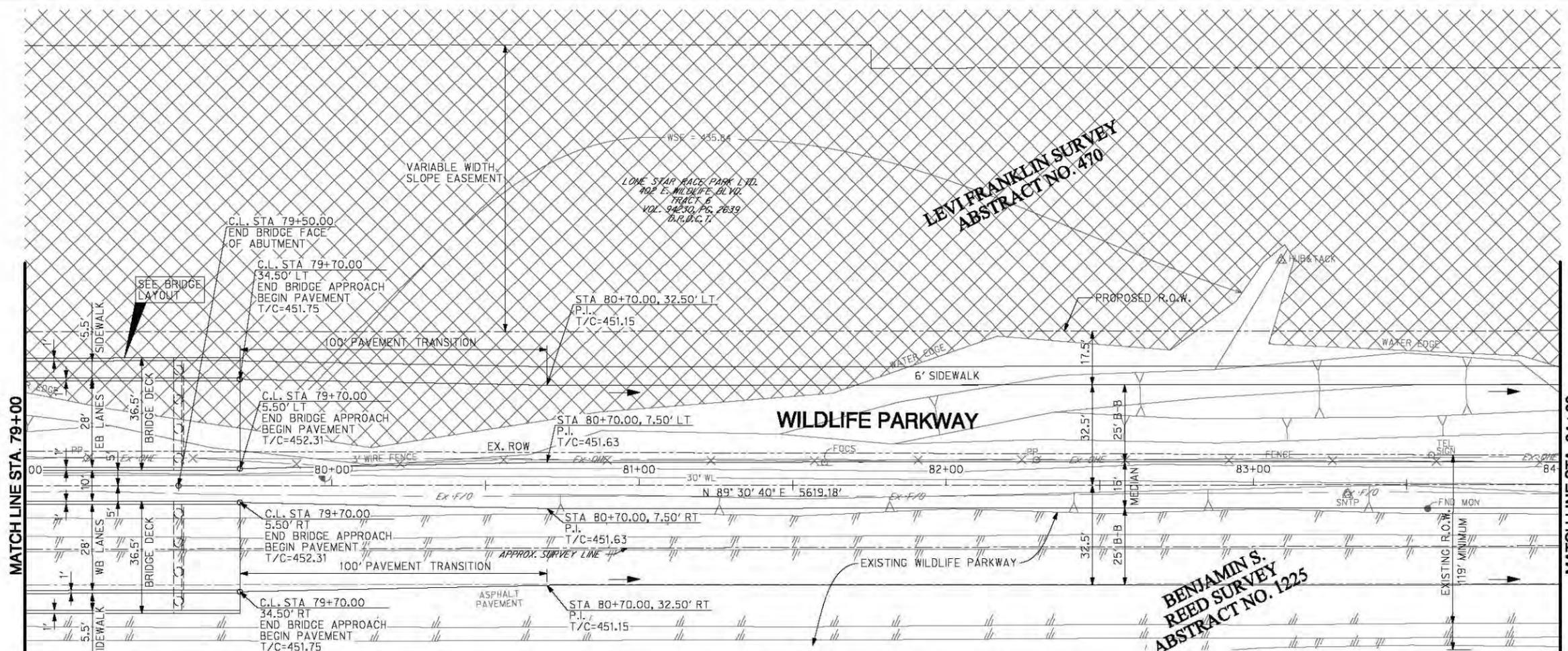
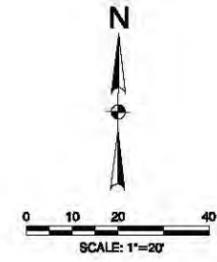
  

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DAVID A. BURKETT	10008		
NAME	P.E. NO.		
DATE	4/24/2014		
TYPE PERM	0F-312		

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 74+00 TO STA 79+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 38 OF 157

4/24/2014 4:28:14 PM a\2110 HALFF I:\2014\20140428\20140428\CADD\Sheet\C212-PP-28900.dgn Design PDF 2D MON HW 150.plt



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442	442
438	438
434	434
430/454	430/454
450	450

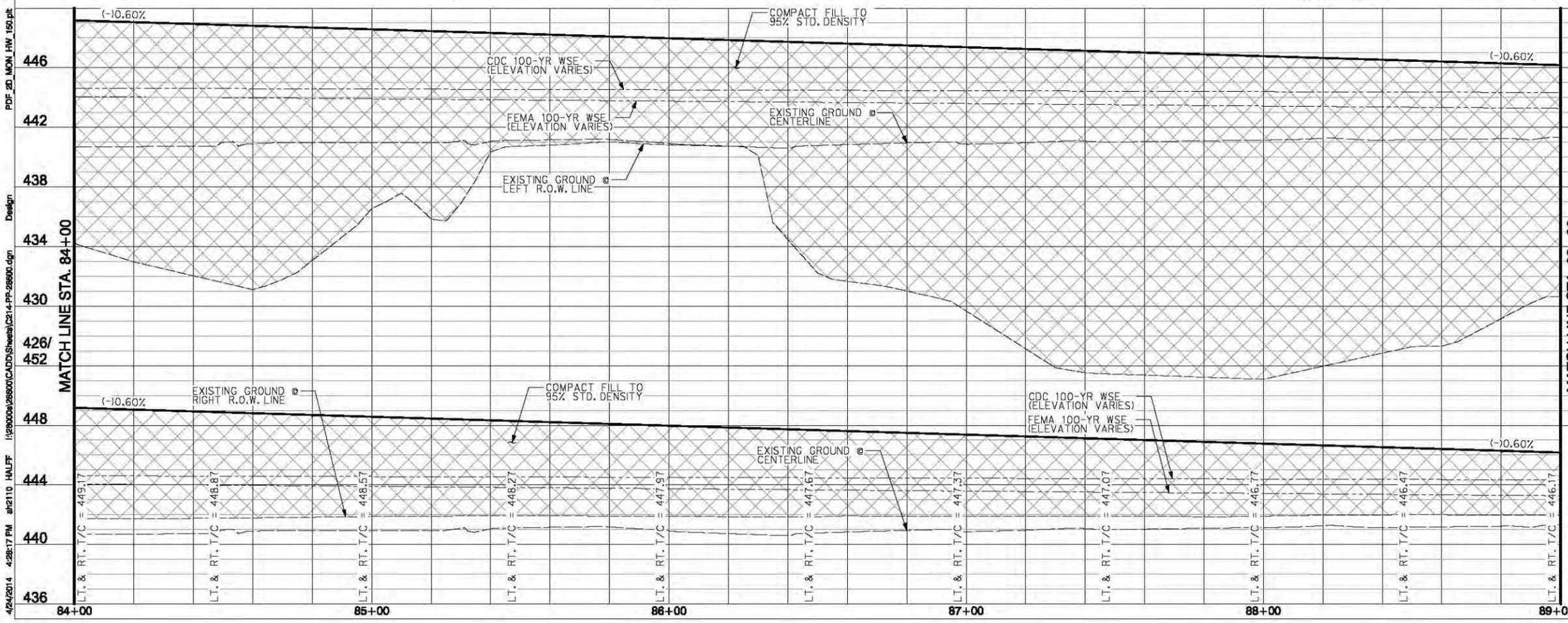
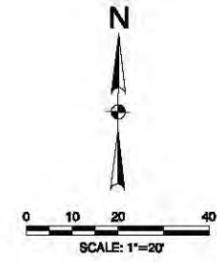
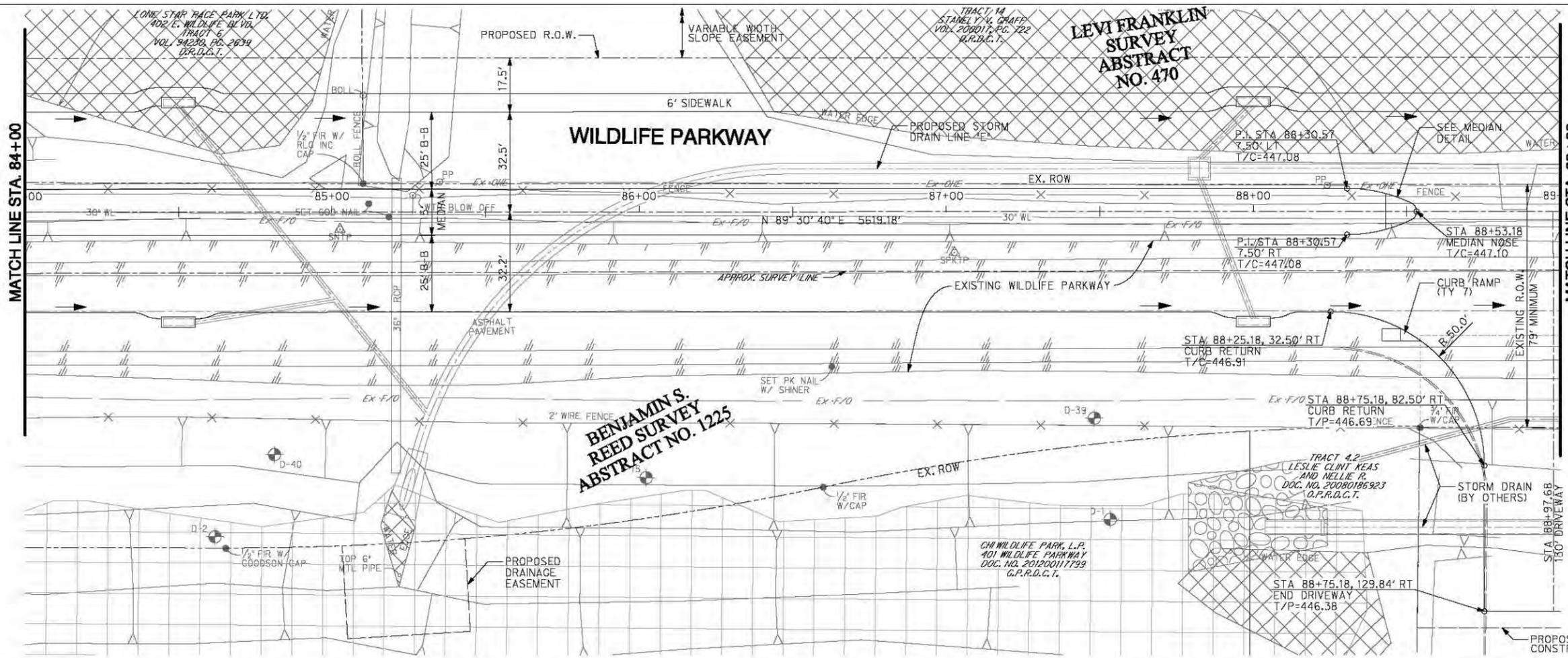
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DAVID A. BURKETT	10008
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM 04-312	

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 79+00 TO STA 84+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 39 OF 157

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446	446
442	442
438	438
434	434
430	430
426/	426/
452	452
448	448

SCALE  
 H: 1"=20'  
 V: 1"=4'

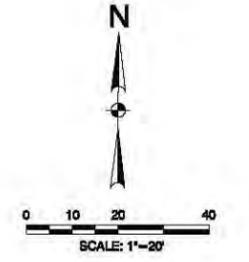
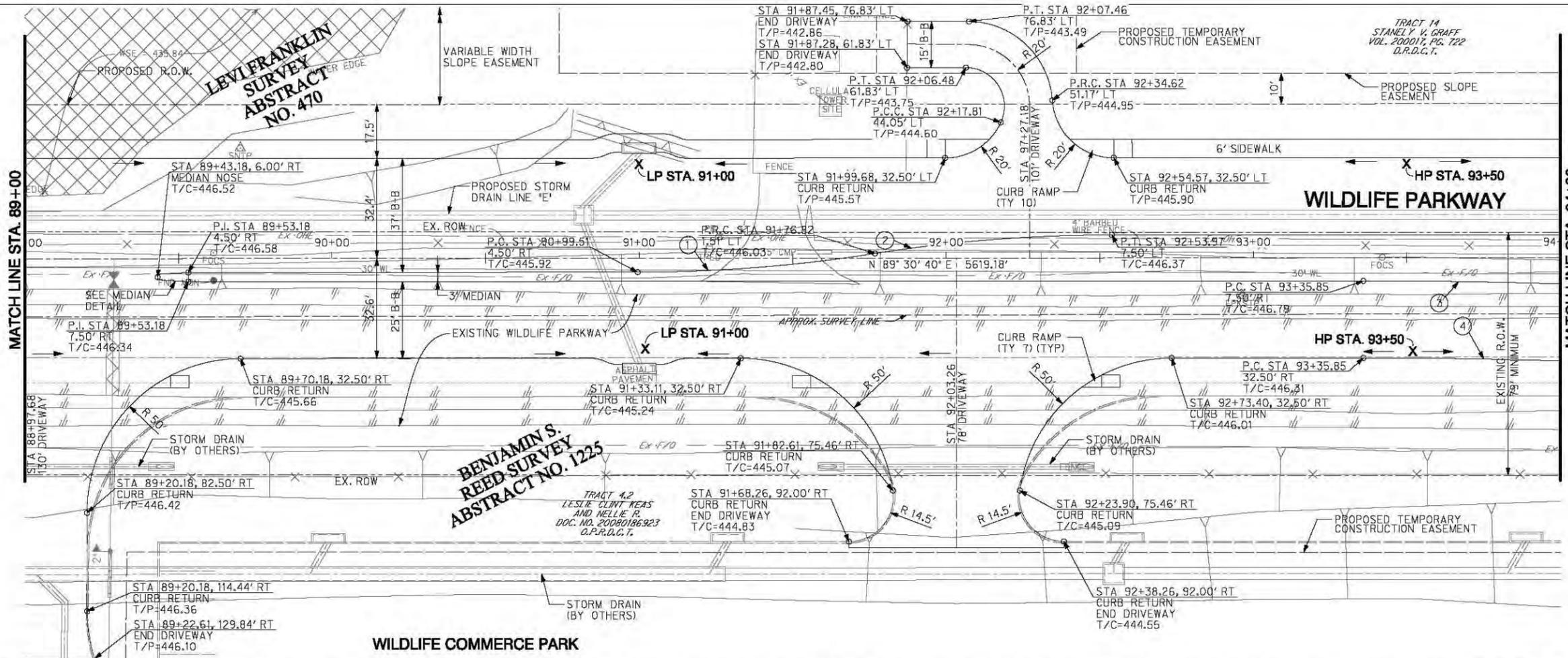
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DAVID A. BURKETT	10008
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM 04-312	

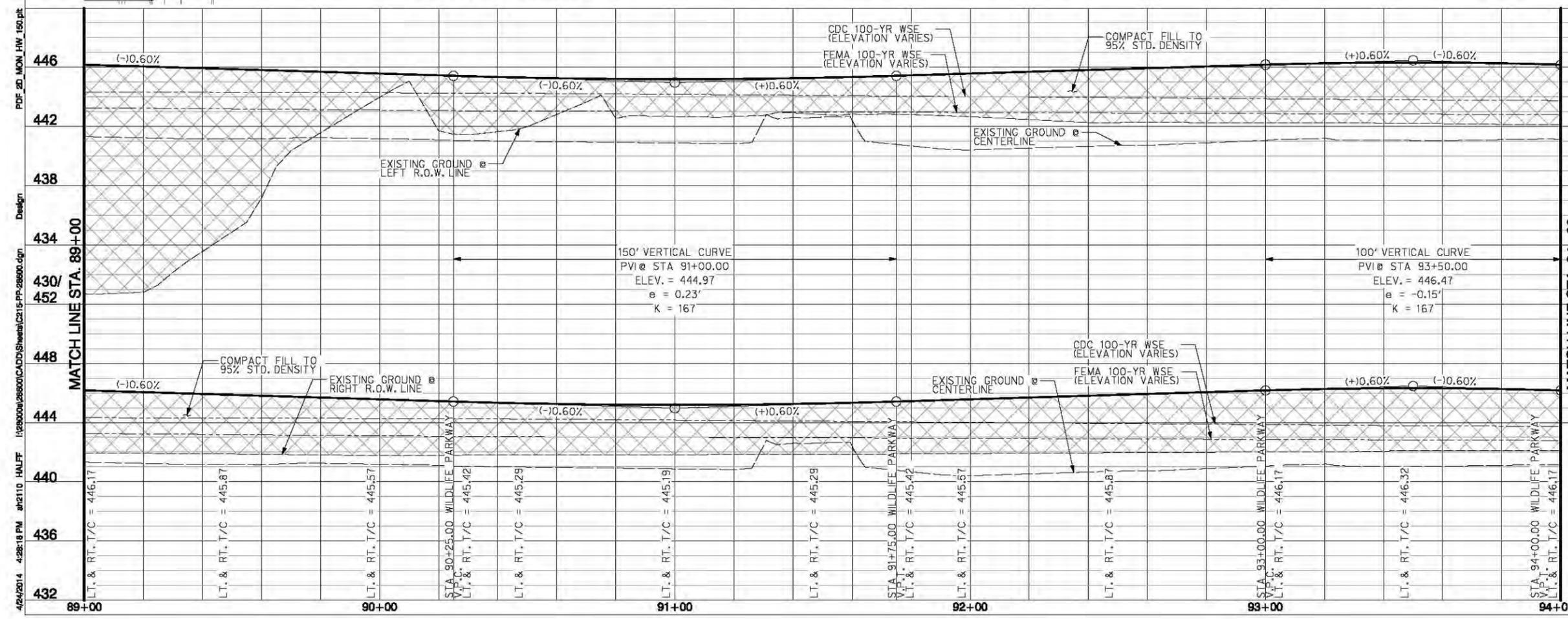
NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 84+00 TO STA 89+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 40 OF 157

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**CURVE DATA TABLE**

①	A=8' 53" 6"	R=500.50'	T=38.89'	L=77.61'
②	A=8' 53" 6"	R=499.50'	T=38.81'	L=77.46'
③	A=4' 55" 8"	R=2025.00'	T=86.98'	L=173.85'
④	A=4' 55" 8"	R=2000.00'	T=85.90'	L=171.70'



SCALE  
H: 1"=20'  
V: 1"=4'

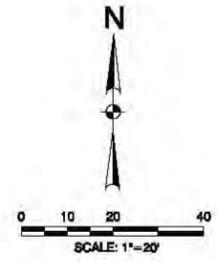
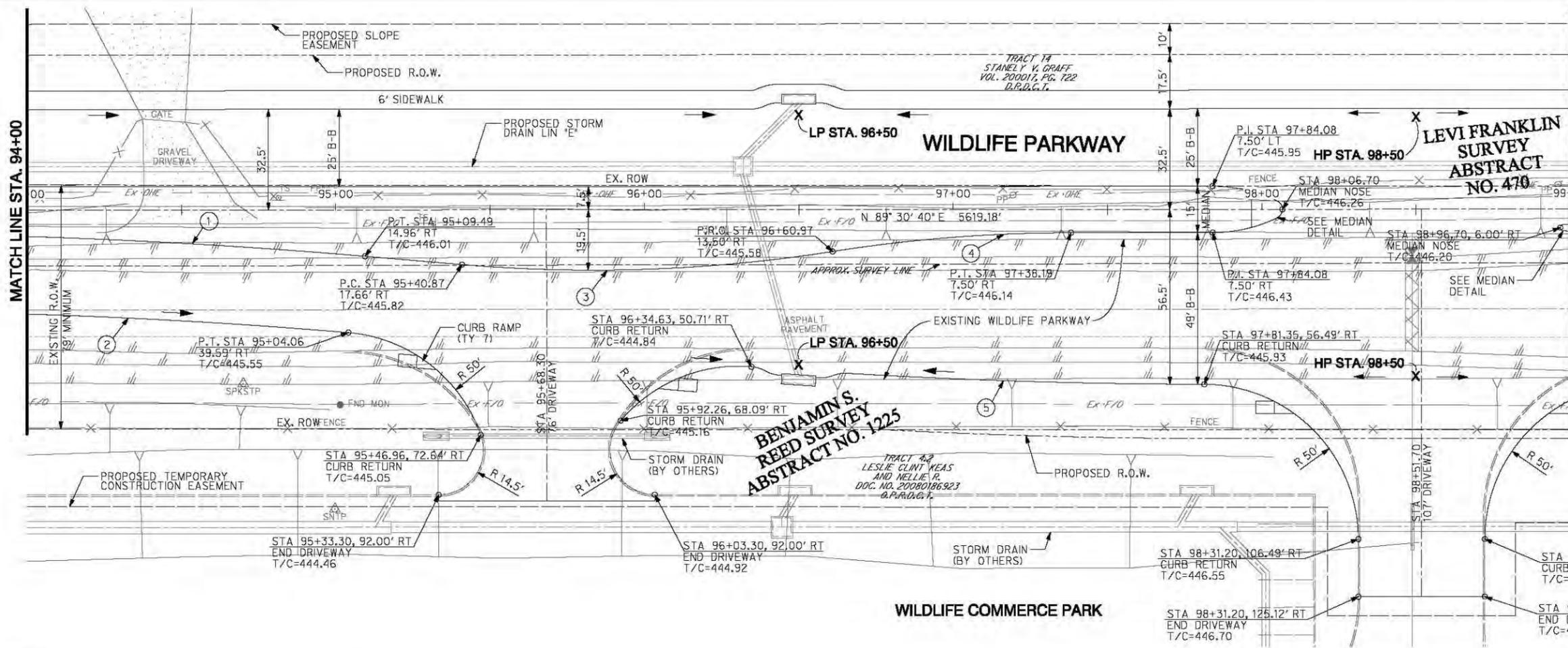
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DAVID A. BURKETT	10008
NAME	P.E. NO.
DATE	4/24/2014
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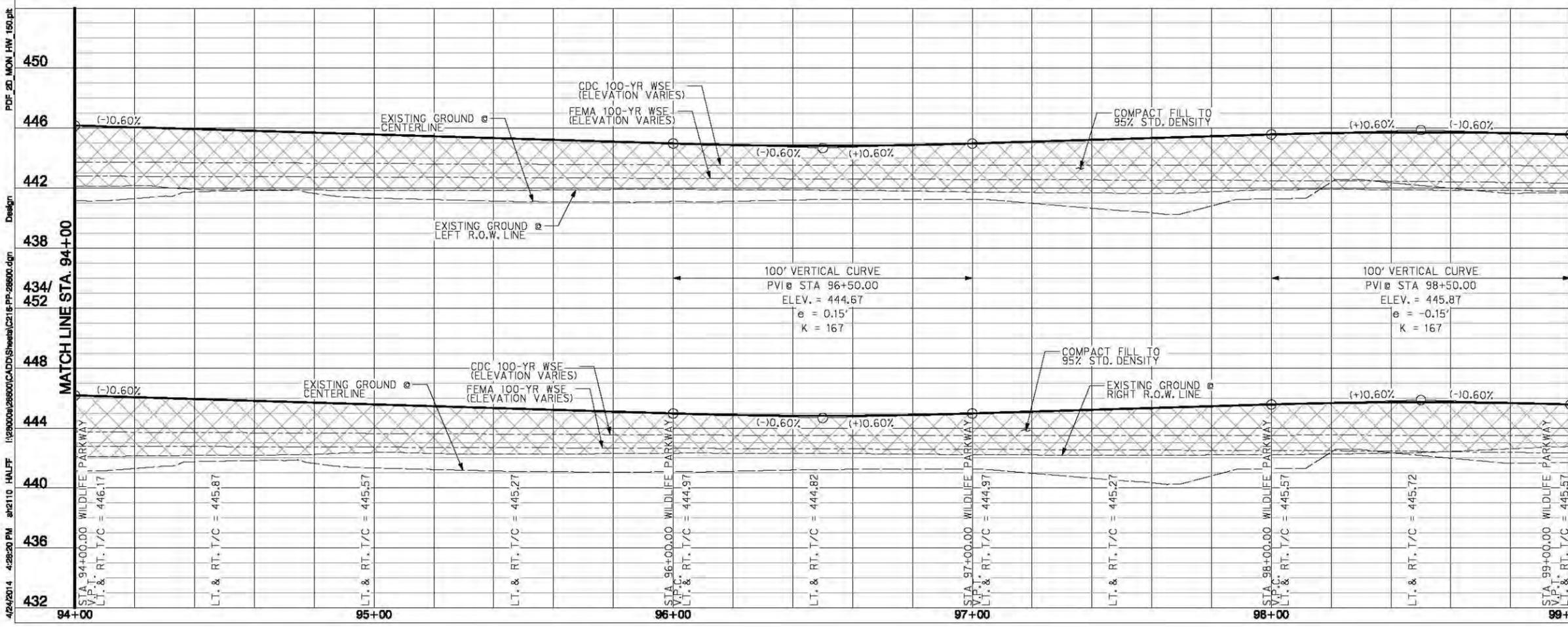
NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 89+00 TO STA 94+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 41 OF 157

4/24/2014 4:28:18 PM a12110 HALFF I:\200009\28900\CADD\Sheet\C215-PP-28900.dgn Design



**CURVE DATA TABLE**

①	Δ=4° 55' 8"	R=2025.00'	T=86.98'	L=173.85'
②	Δ=4° 55' 8"	R=2000.00'	T=85.90'	L=171.70'
③	Δ=13° 48' 15"	R=500.00'	T=60.52'	L=120.46'
④	Δ=8° 53' 6"	R=500.00'	T=38.85'	L=77.54'
⑤	Δ=3° 16' 33"	R=2025.00'	T=57.91'	L=115.78'



SCALE  
H: 1"=20'  
V: 1"=4'

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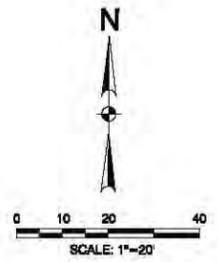
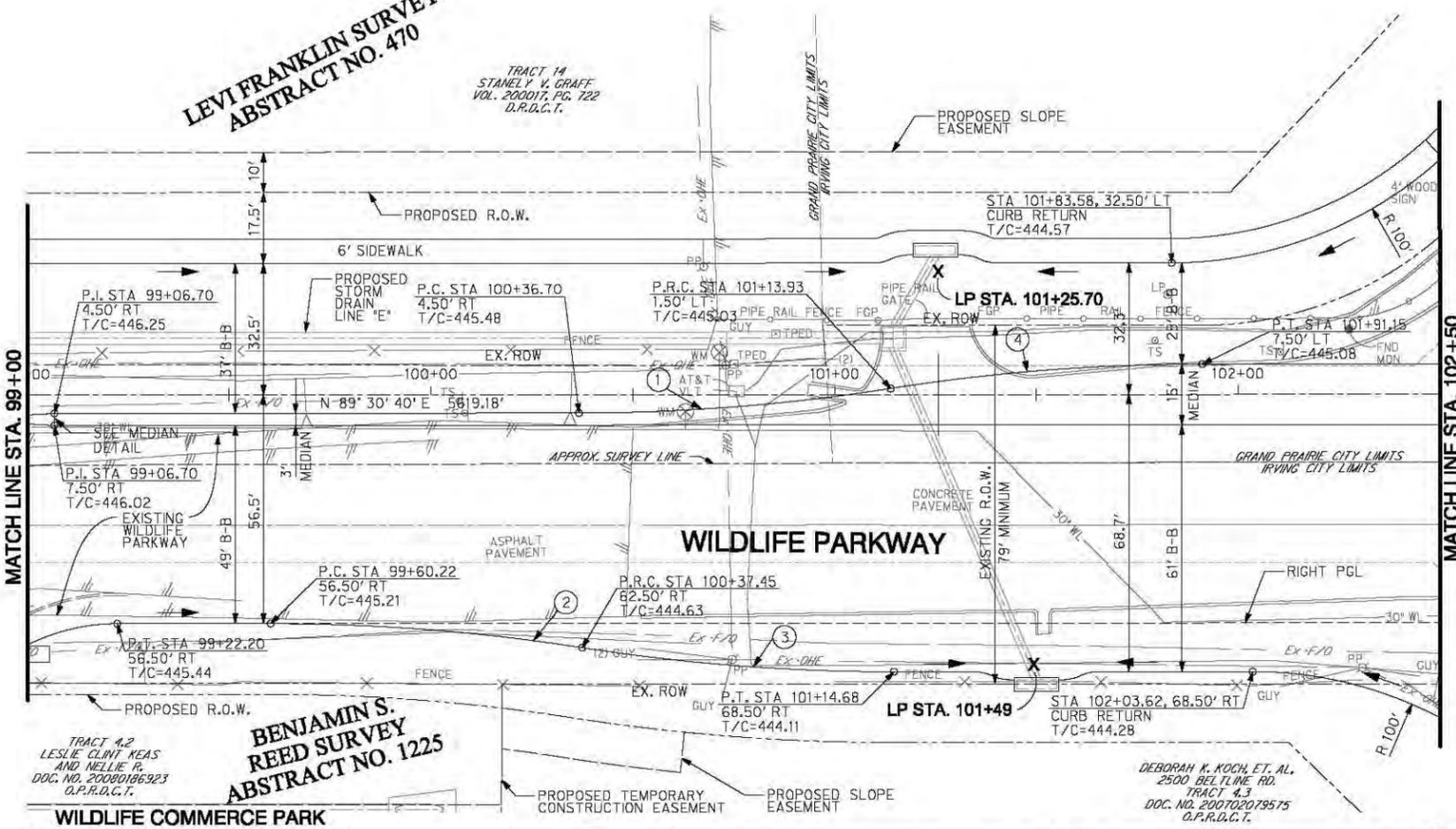
DAVID A. BURKETT	10008
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM 04-312	

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 94+00 TO STA 99+00			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 42 OF 157

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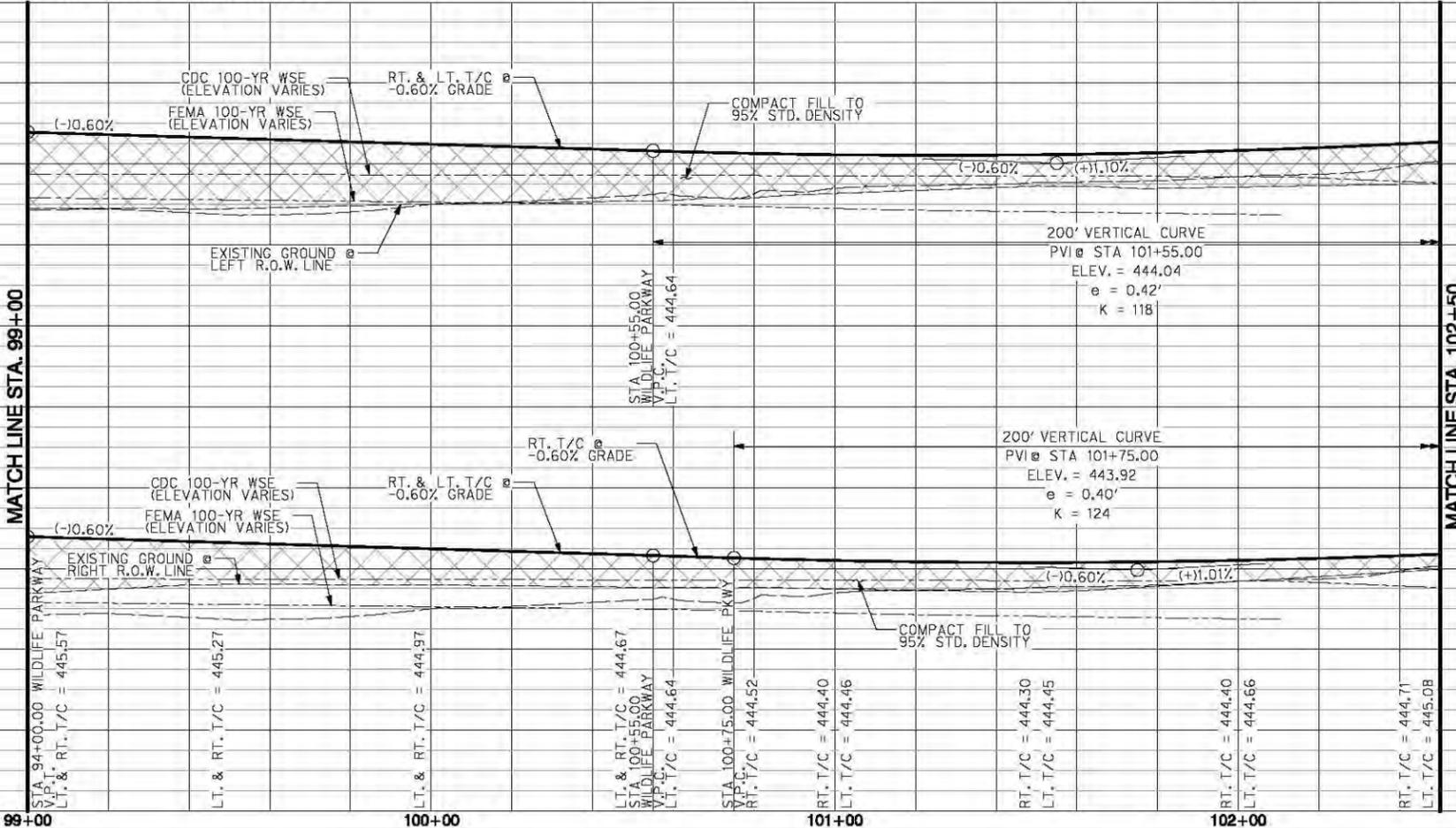
**LEVI FRANKLIN SURVEY  
ABSTRACT NO. 470**

TRACT 14  
STANLEY V. GRAFF  
VOL. 200017, PG. 722  
D.P.R.D.C.T.



**CURVE DATA TABLE**

①	Δ=8° 53' 6"	R=500.00'	T=38.85'	L=77.54'
②	Δ=8° 53' 6"	R=500.00'	T=38.85'	L=77.54'
③	Δ=8° 53' 6"	R=500.00'	T=38.85'	L=77.54'
④	Δ=8° 53' 6"	R=500.00'	T=38.85'	L=77.54'



SCALE  
H: 1"=20'  
V: 1"=4'

**PRELIMINARY**

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DAVID A. BURKETT	10068
NAME	P.E. NO.
DATE	4/24/2014
TYPE FROM	09-312

NO.	REVISION	BY	DATE
<b>COUNTY OF DALLAS, TEXAS</b>			
DEPARTMENT OF PUBLIC WORKS			
WILDLIFE PARKWAY PLAN AND PROFILE			
WILDLIFE PARKWAY ROAD IMPROVEMENTS			
FROM STA 99+00 TO STA 102+50			
<b>HALFF</b> - Texas Registered Engineering Firm F-312			
DESIGNED: HALFF	DRAWN: HALFF	DATE: APRIL 2014	PROJECT: 40810
APPROVED:	CHECKED:	SCALE: 1" = 20'	SHEET 43 OF 157

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