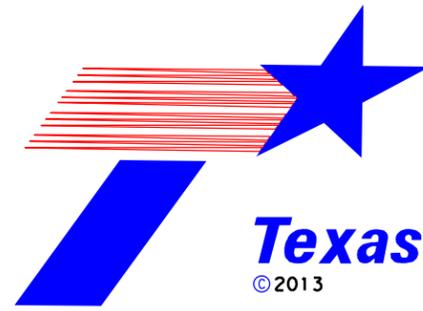


Texas Department of Transportation
BOOK 2 – TECHNICAL PROVISIONS
FOR
LOOP 375 - BORDER HIGHWAY WEST EXTENSION
PROJECT
Design-Build Project
ATTACHMENT 15-1
AESTHETICS

December 20, 2013



Texas Department of Transportation®

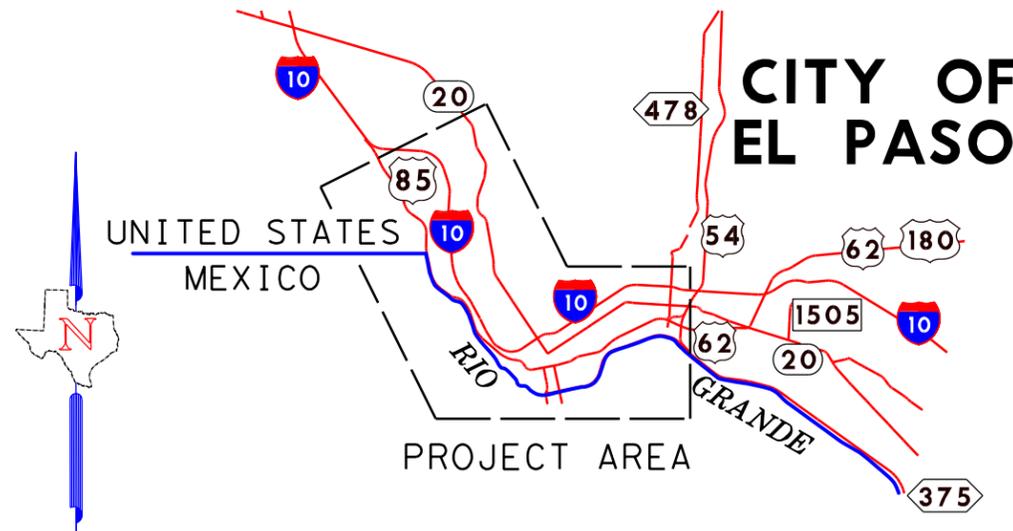
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TxDOT El Paso District
CSJ: 2552-04-027

Loop 375 Border Highway West Extension Project

AESTHETICS

From Racetrack Drive to East of Park Street



NOTES:

1. SEE AESTHETICS LAYOUT SHEETS 3-17 FOR LOCATIONS OF ALL PROPOSED AESTHETIC ELEMENTS AND TREATMENTS.
2. ALL FORM LINERS TO BE THREE DIMENSIONAL AS PER TYPICAL SECTIONS; ALL FORMLINERS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE
3. A SAMPLE PANEL SHALL BE SUBMITTED OF ALL COLORS/TEXTURES FOR APPROVAL TO THE ENGINEER PRIOR TO USE; THE SAMPLE PANEL SHALL BE SIZED AS APPROVED BY THE ENGINEER
4. 5' x 10' OFFSET PANELS FOR ALL RETAINING WALLS
5. PROPOSED BENT, RETAINING/SCREEN WALL, RAIL, AND ICONIC ELEMENT SURFACES SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH ITEM 427, SURFACE FINISH FOR CONCRETE. BEFORE APPLYING PAINT, REPAIR AREAS WHERE CHIPPING OR SPALLING OCCURRED AS A RESULT OF THE CLEANING OPERATIONS. MATERIALS, LABOR, AND INCIDENTALS FOR REPAIRS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 427.

PRELIMINARY

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DECEMBER 19, 2013	
DATE	



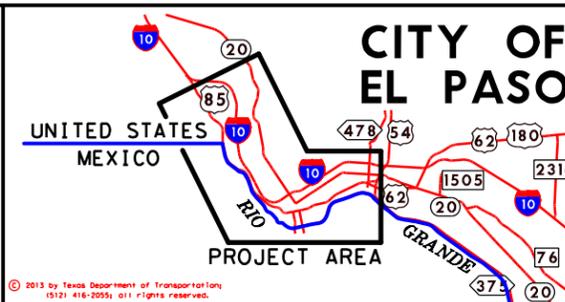
TBPE, FIRM #F-312

DATE: DECEMBER 19, 2013

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- SHEET 1 - COVER SHEET
- SHEET 2 - SHEET INDEX
- SHEET 3 - AESTHETICS LAYOUT SHEETS
- SHEET 4 - AESTHETICS LAYOUT SHEETS
- SHEET 5 - AESTHETICS LAYOUT SHEETS
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- SHEET 47 - AESTHETIC TREATMENT COMBINATIONS
- SHEET 48 - AESTHETIC TREATMENT COMBINATIONS
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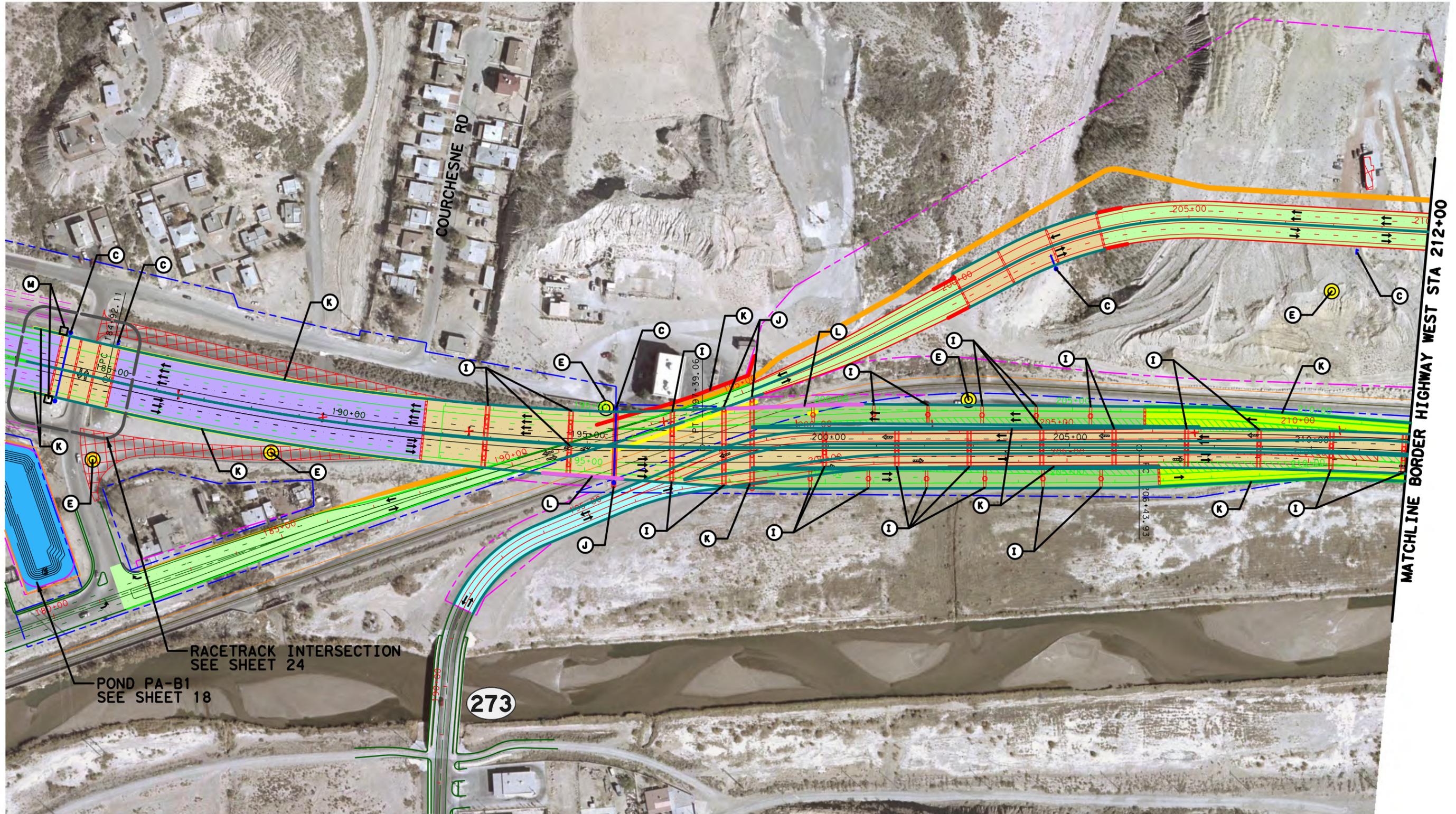
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
AESTHETICS SHEET INDEX

TxDOT El Paso District CSJ: 2552-04-027 SHEET 2/49

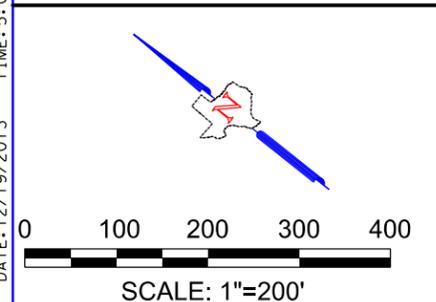


RACETRACK INTERSECTION
SEE SHEET 24

POND PA-B1
SEE SHEET 18

273

MATCHLINE BORDER HIGHWAY WEST STA 212+00



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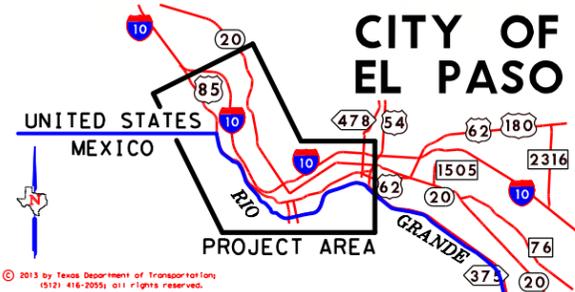
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- EXIST PROPERTY LINE
- PROP DETENTION PONDS
- PROP SURFACE STREET
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- PROP LOOP 375 (ON STRUCTURE)
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- PROP RAMPS (AT GRADE)
- PROP RAMPS (ON STRUCTURE)
- PROP SIDEWALK/BIKE PATH

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- Ⓑ PROP MAINLANE GANTRY
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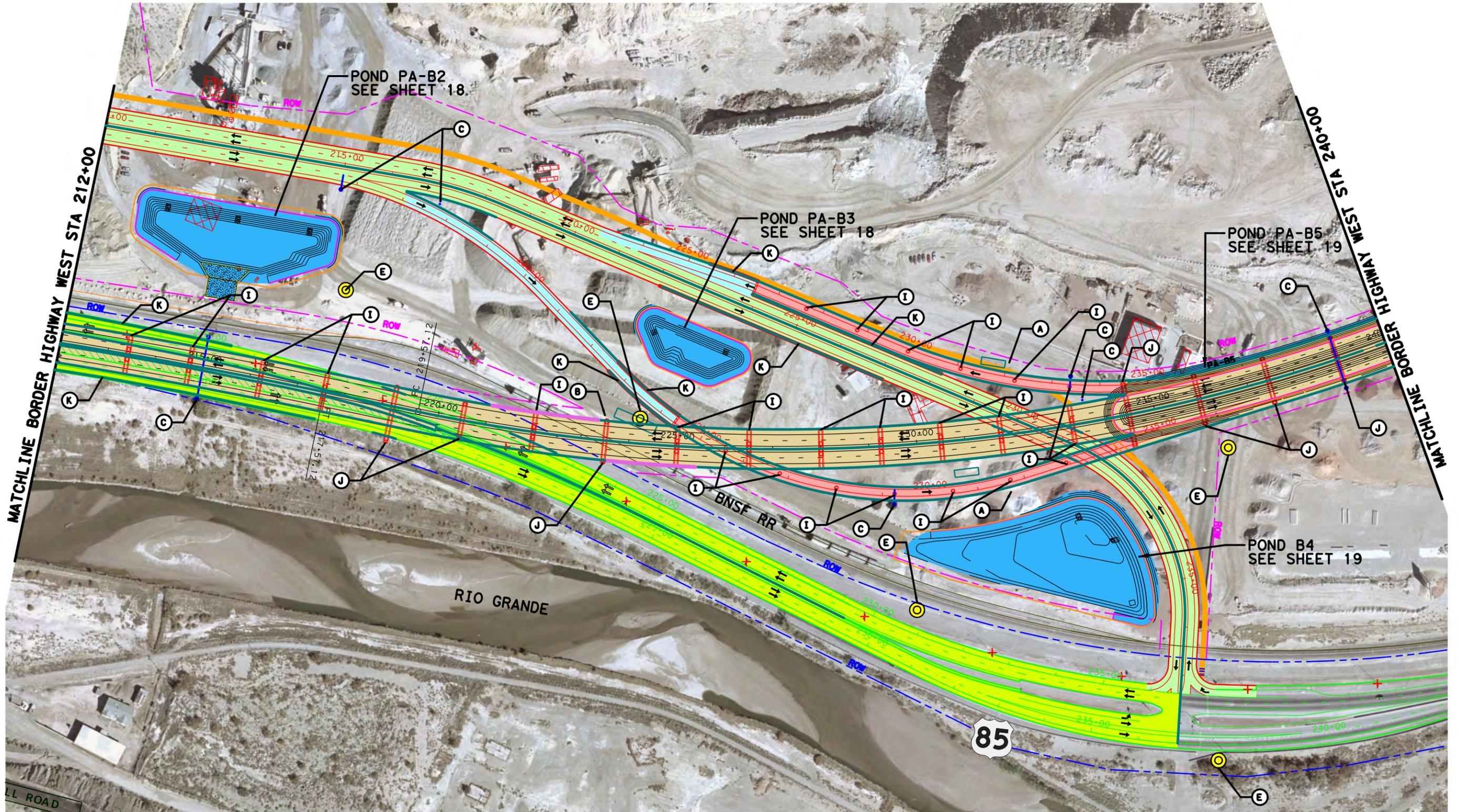


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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 3 / 49

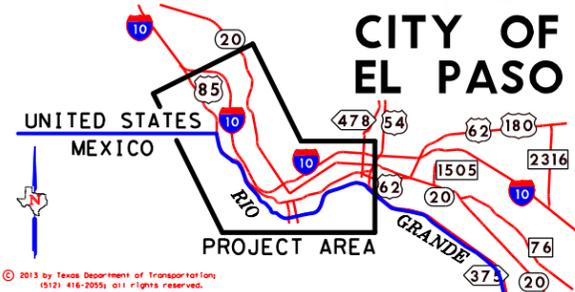


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	PROP MAINLANE GENTRY
	PROP SIGN STRUCTURE
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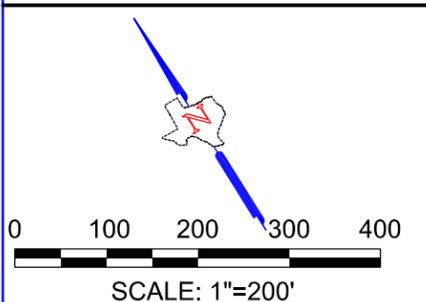
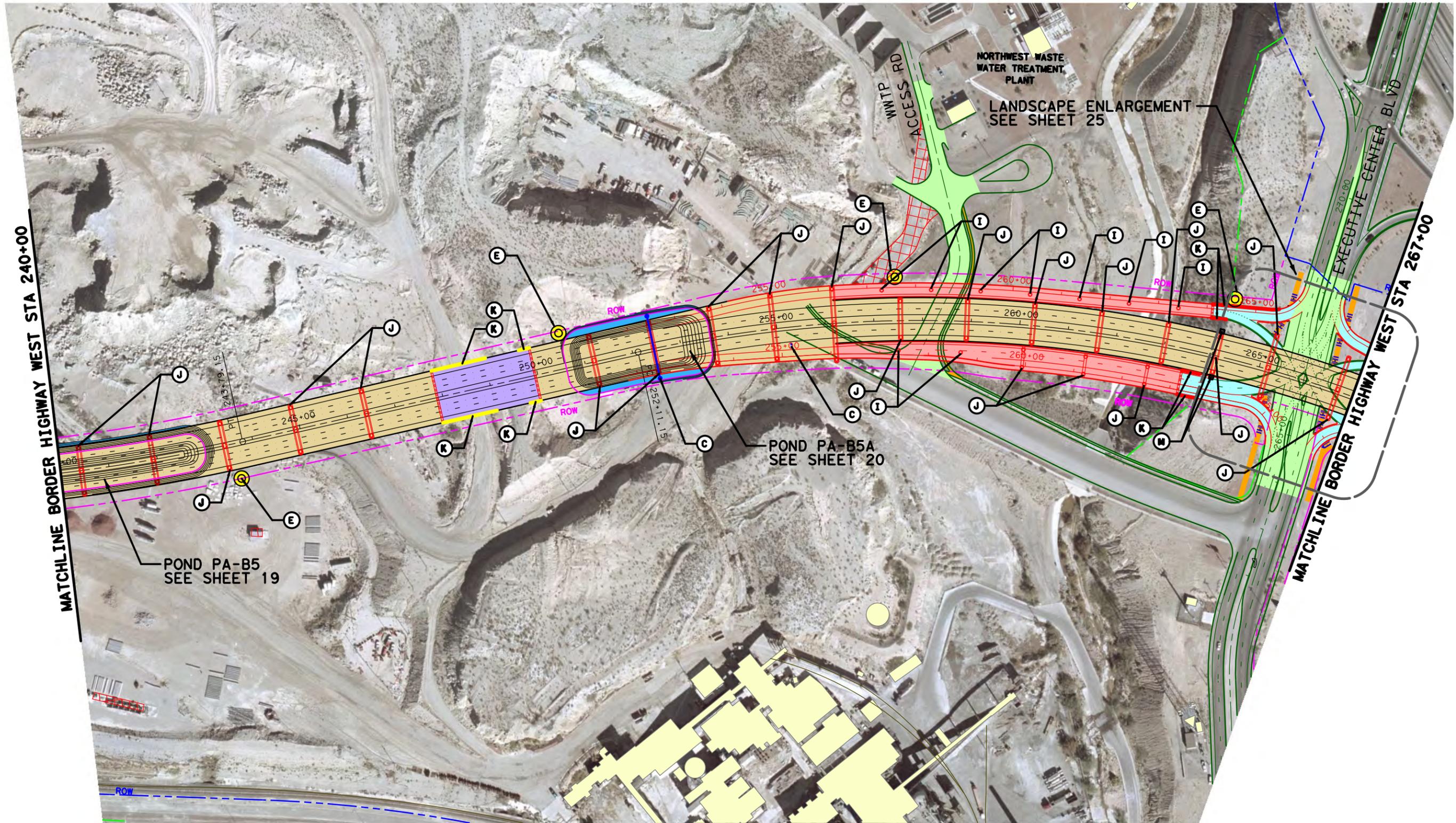
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

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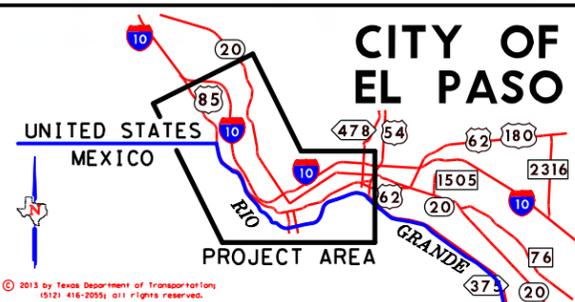


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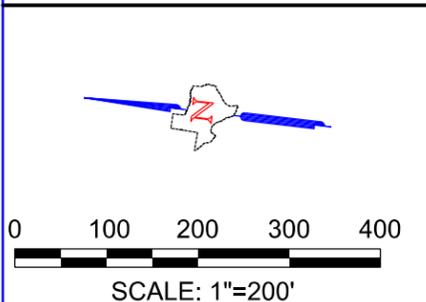
Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 5 / 49



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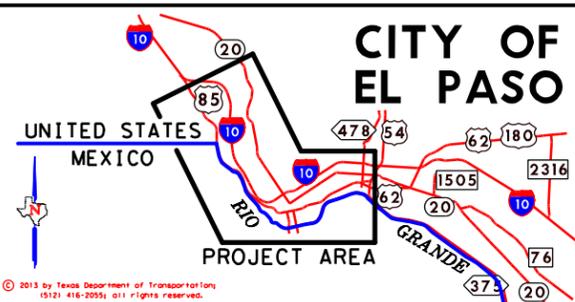
MATCHLINE BORDER HIGHWAY WEST STA 295+00



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(Light yellow area)	PROP RAMPS (ON STRUCTURE)
(Light blue area)	PROP SIDEWALK/BIKE PATH

(A)	PROP RAMP GANTRY
(B)	PROP MAINLANE GANTRY
(C)	PROP SIGN STRUCTURE
(D)	PROP LUMINAIRE
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(F)	PROP CBP SURVEILLANCE TOWER
(G)	PROP LUMINAIRE REMOVAL
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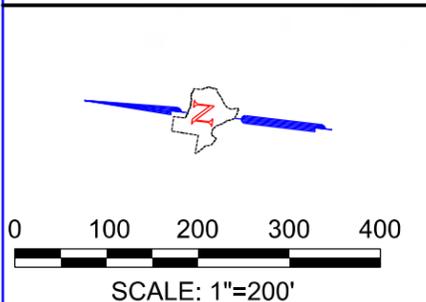
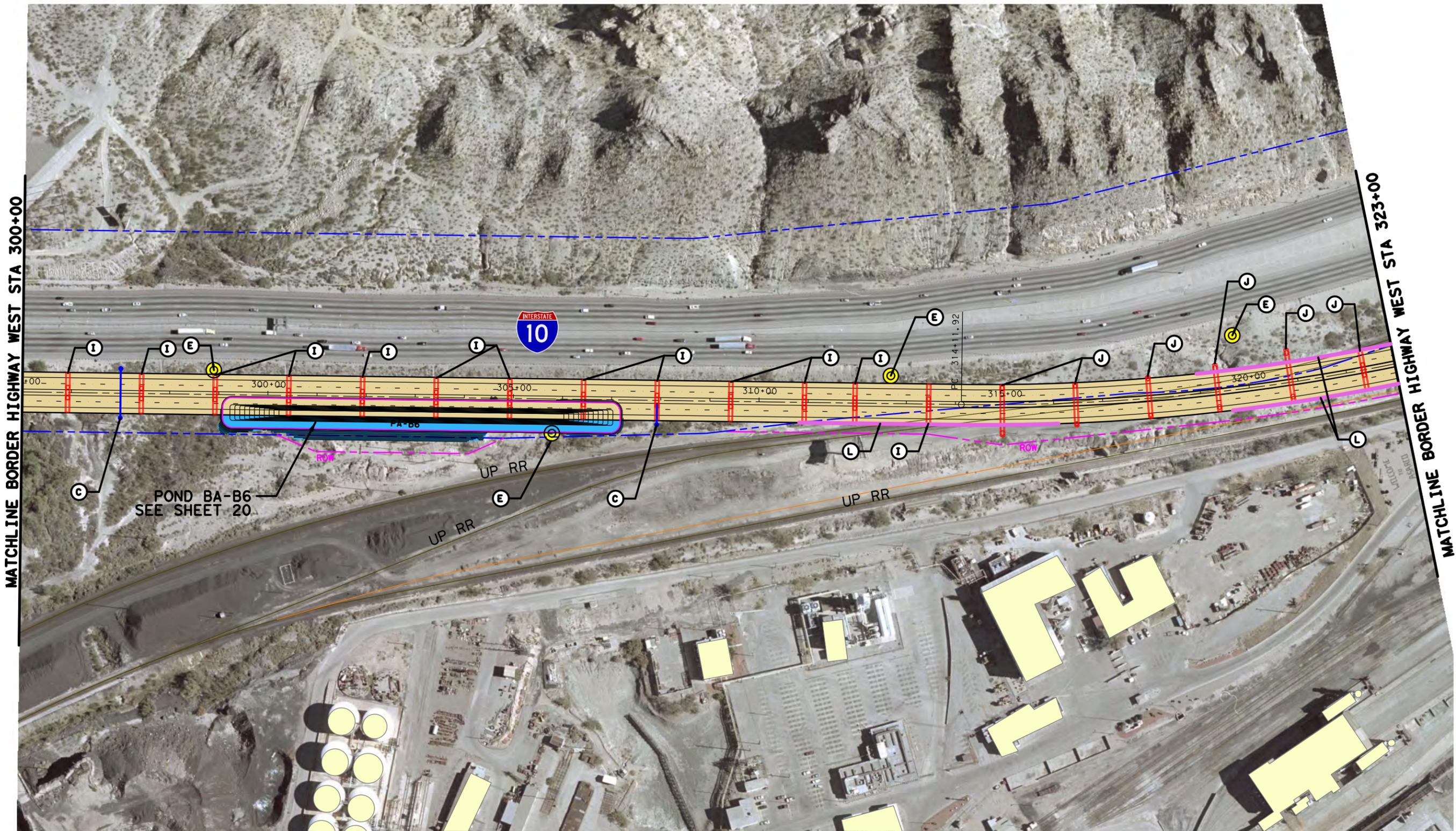
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From Racetrack Drive to East of Park Street
AESTHETIC LAYOUT SHEETS

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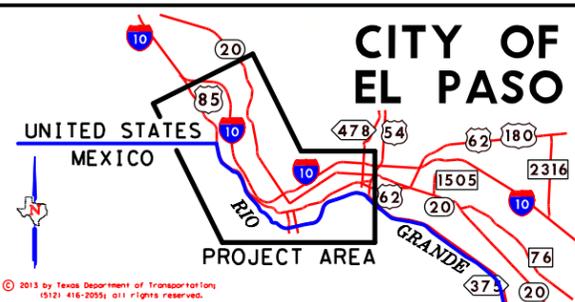


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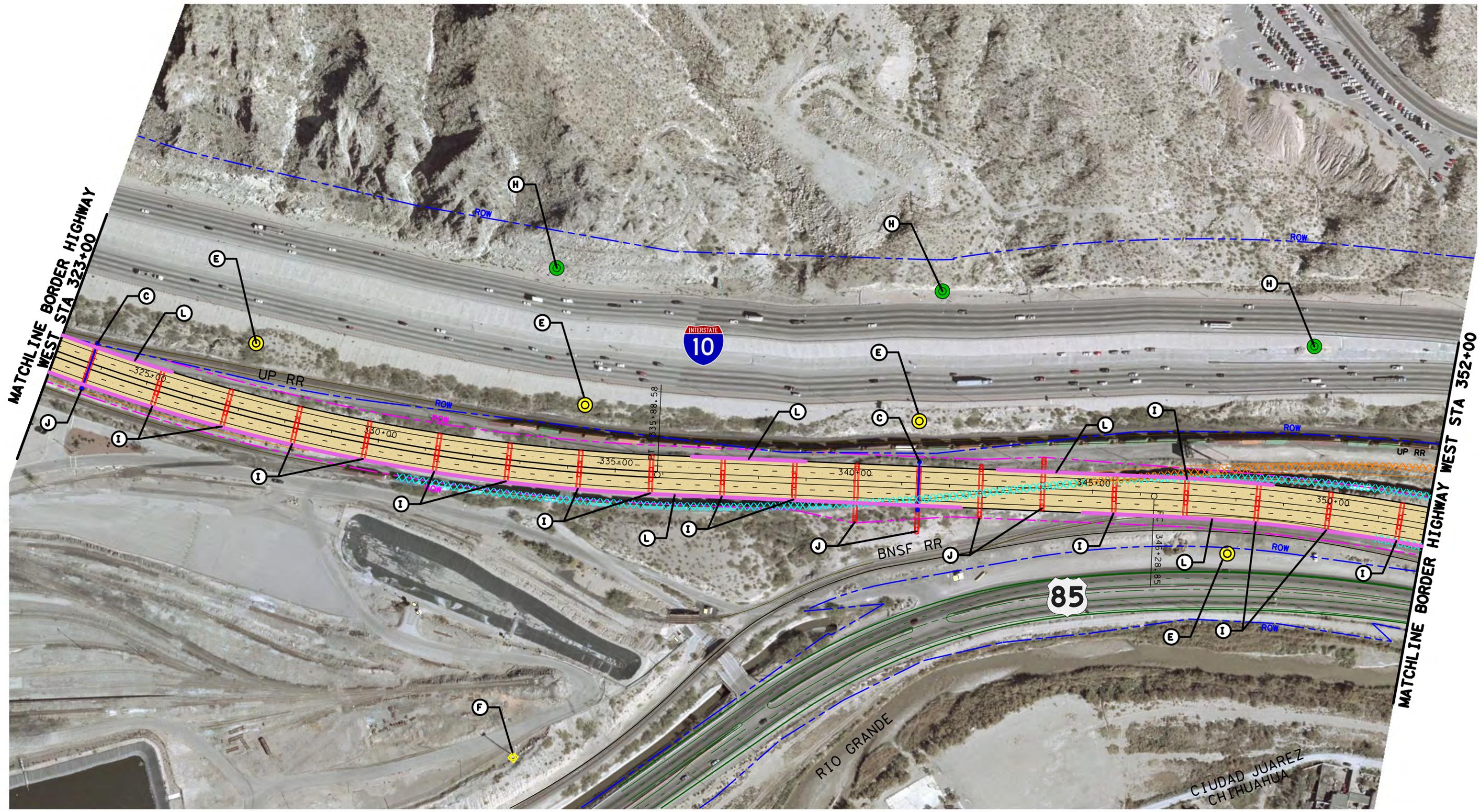
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MATCHLINE BORDER HIGHWAY WEST STA 352+00



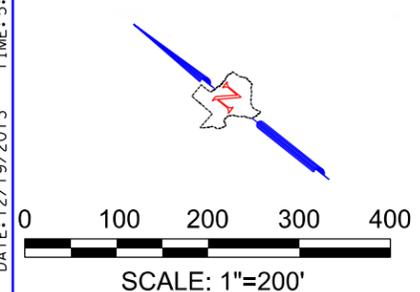
RIO GRANDE

CIUDAD JUAREZ
CHIHUAHUA

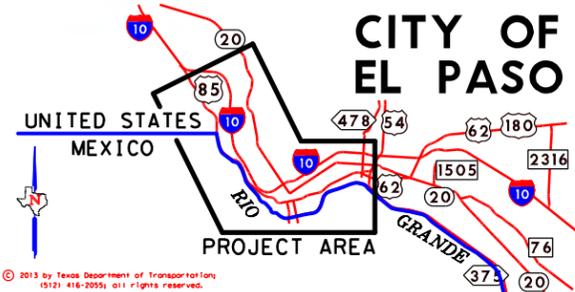
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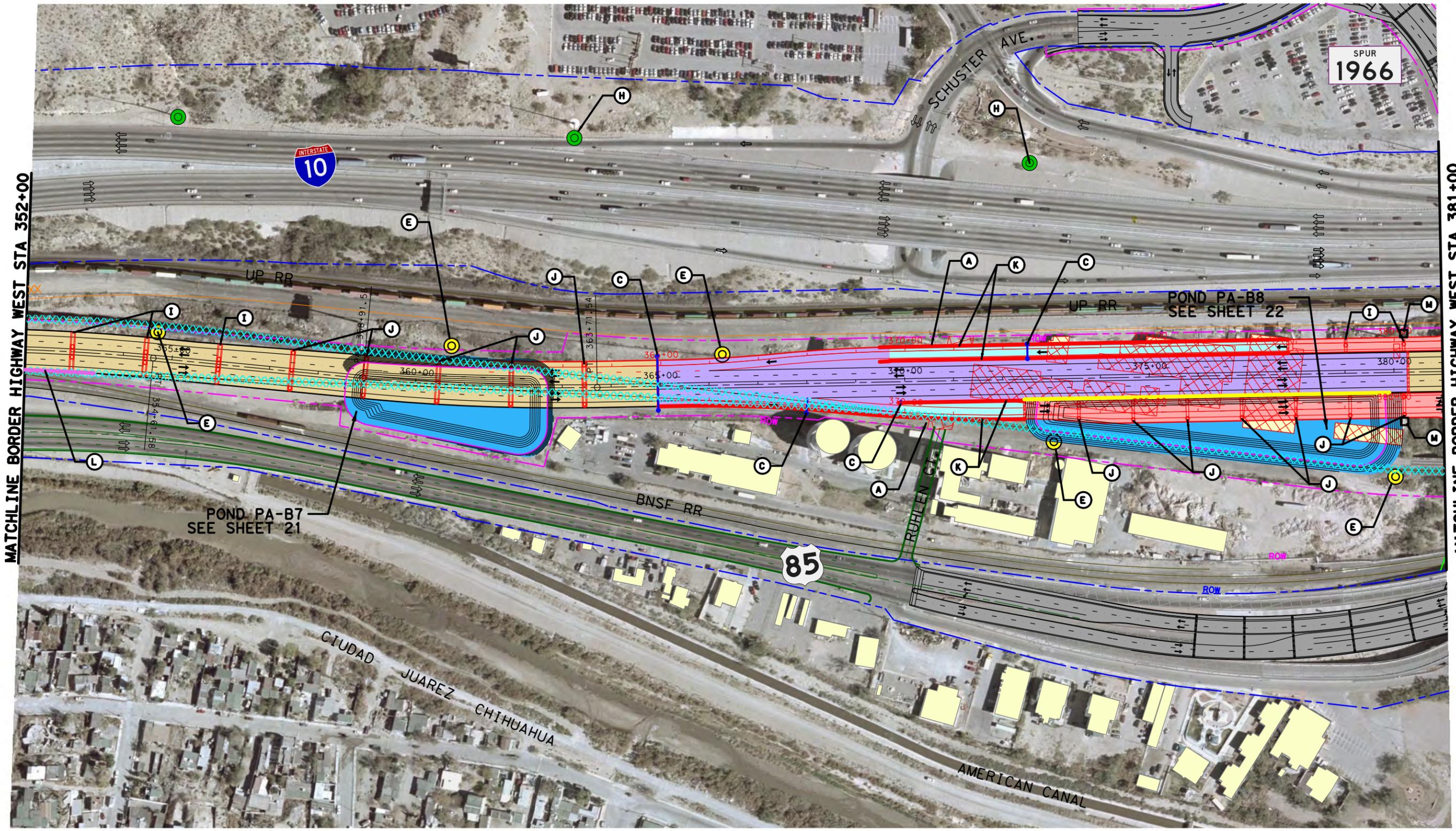


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AESTHETIC LAYOUT SHEETS

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MATCHLINE BORDER HIGHWAY WEST STA 352+00

MATCHLINE BORDER HIGHWAY WEST STA 381+00

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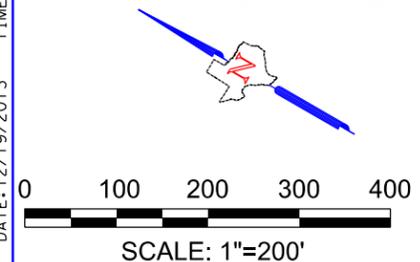
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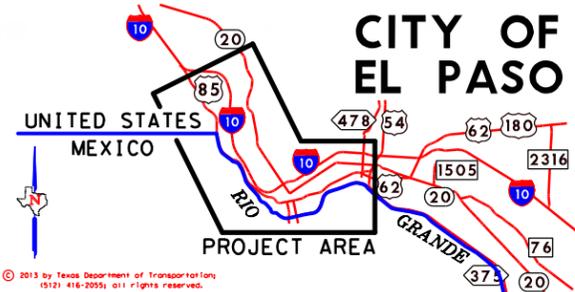
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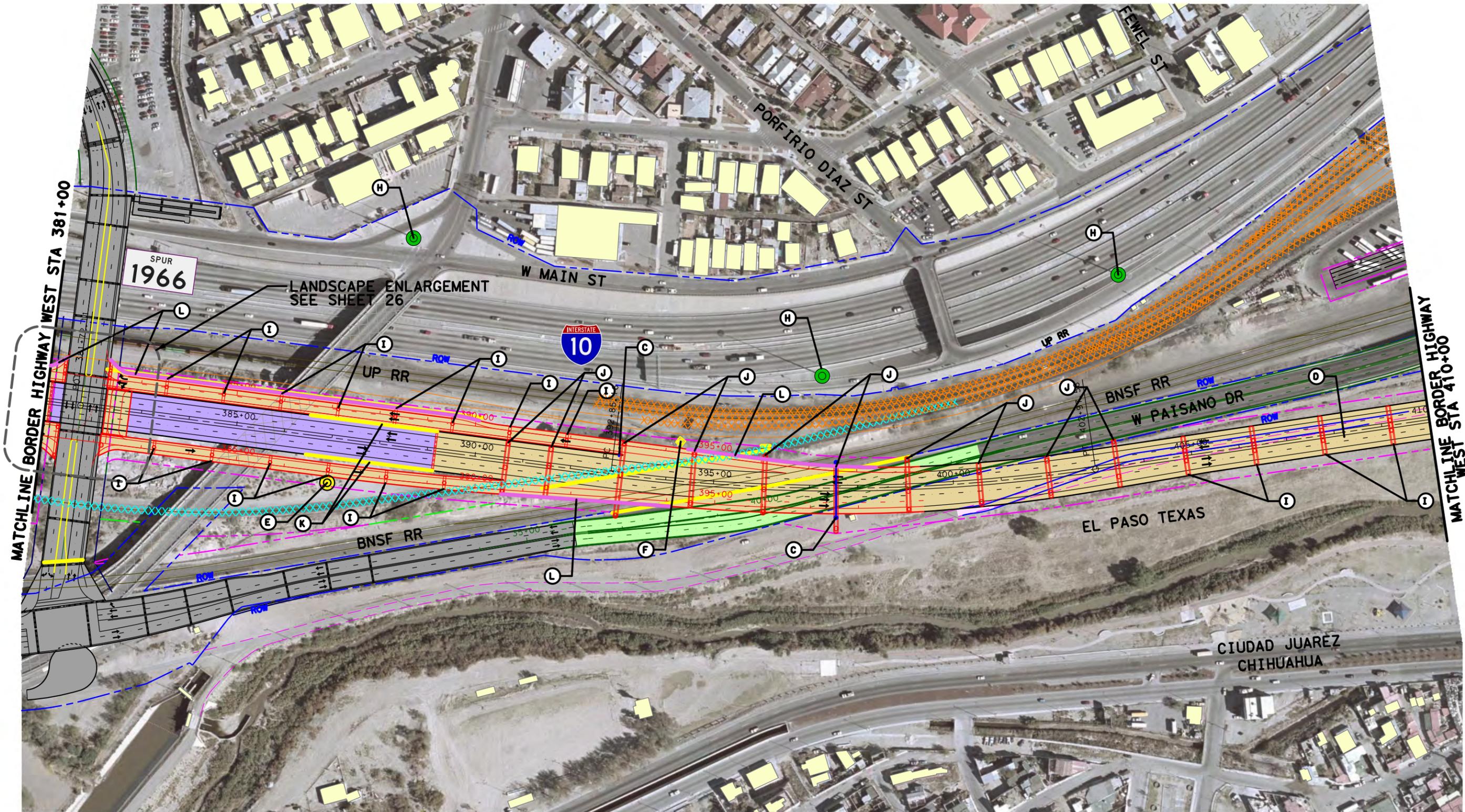
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 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 9/49



MATCHLINE BORDER HIGHWAY WEST STA 381+00

SPUR 1966

LANDSCAPE ENLARGEMENT SEE SHEET 26

W MAIN ST

INTERSTATE 10

UP RR

BNSF RR

W PAISANO DR

EL PASO TEXAS

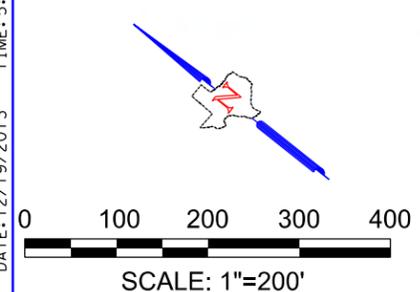
CIUDAD JUAREZ CHIHUAHUA

MATCHLINE BORDER HIGHWAY WEST STA 410+00

LEGEND

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- PROP RAMPS (ON STRUCTURE)
- PROP SIDEWALK/BIKE PATH

- Ⓐ PROP RAMP GENTRY
- Ⓑ PROP MAINLANE GENTRY
- Ⓒ PROP SIGN STRUCTURE
- Ⓓ PROP LUMINAIRE
- Ⓔ PROP HIGH MAST ILLUMINATION
- Ⓕ PROP CBP SURVEILLANCE TOWER
- Ⓖ PROP LUMINAIRE REMOVAL
- Ⓗ EXIST HIGH MAST ILLUMINATION
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- Ⓜ PROP RETAINING WALL (SEE SHEET 38)
- Ⓝ PROP RAIL FENCE (SEE SHEET 45)
- Ⓞ PROP ICONIC ELEMENT (SEE SHEET 36/38)

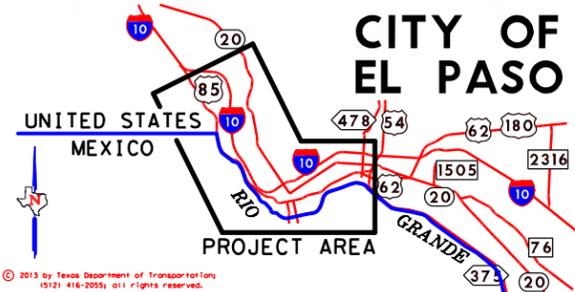


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H. WAYNE COOPER 1286
NAME R.L.A. NO.
DECEMBER 19, 2013
DATE



PRELIMINARY

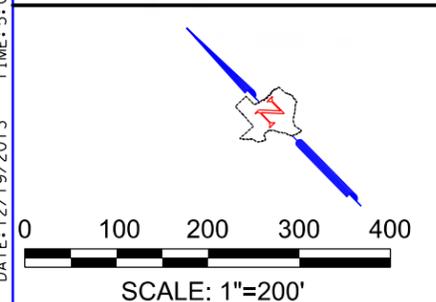
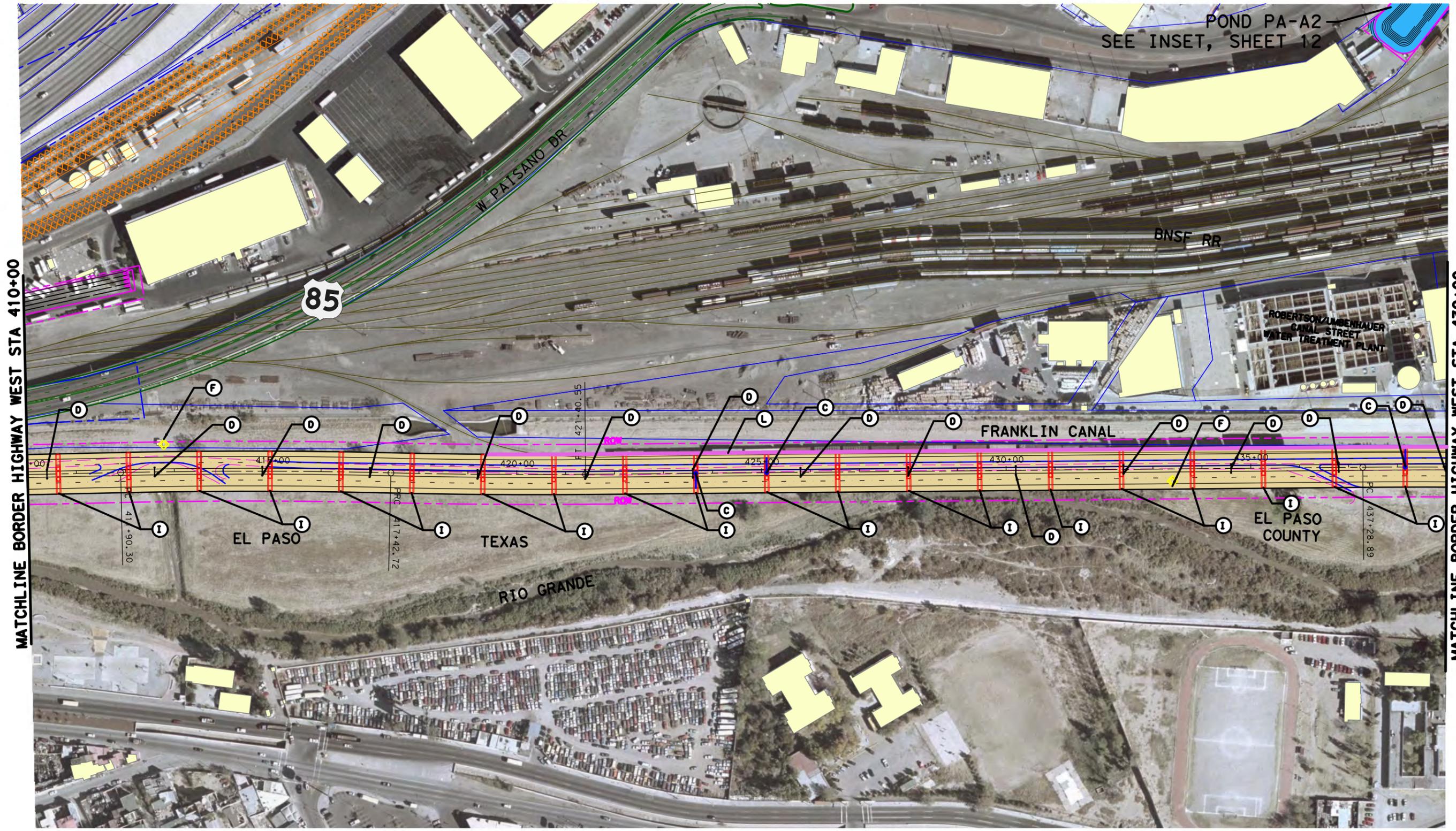
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HALFF
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CITY OF EL PASO

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 10/49

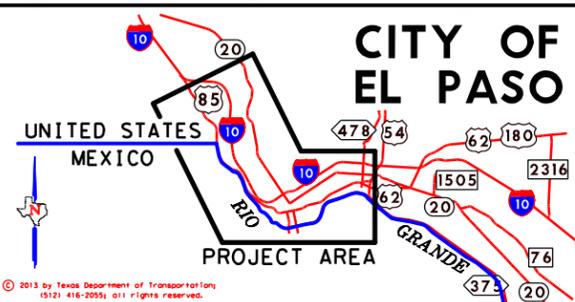


LEGEND

- EXIST R.O.W.
- PROP R.O.W.
- PROP TEMP. CONSTRUCTION EASEMENT
- EXIST PROPERTY LINE
- PROP DETENTION PONDS
- PROP SURFACE STREET
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 DECEMBER 19, 2013 DATE



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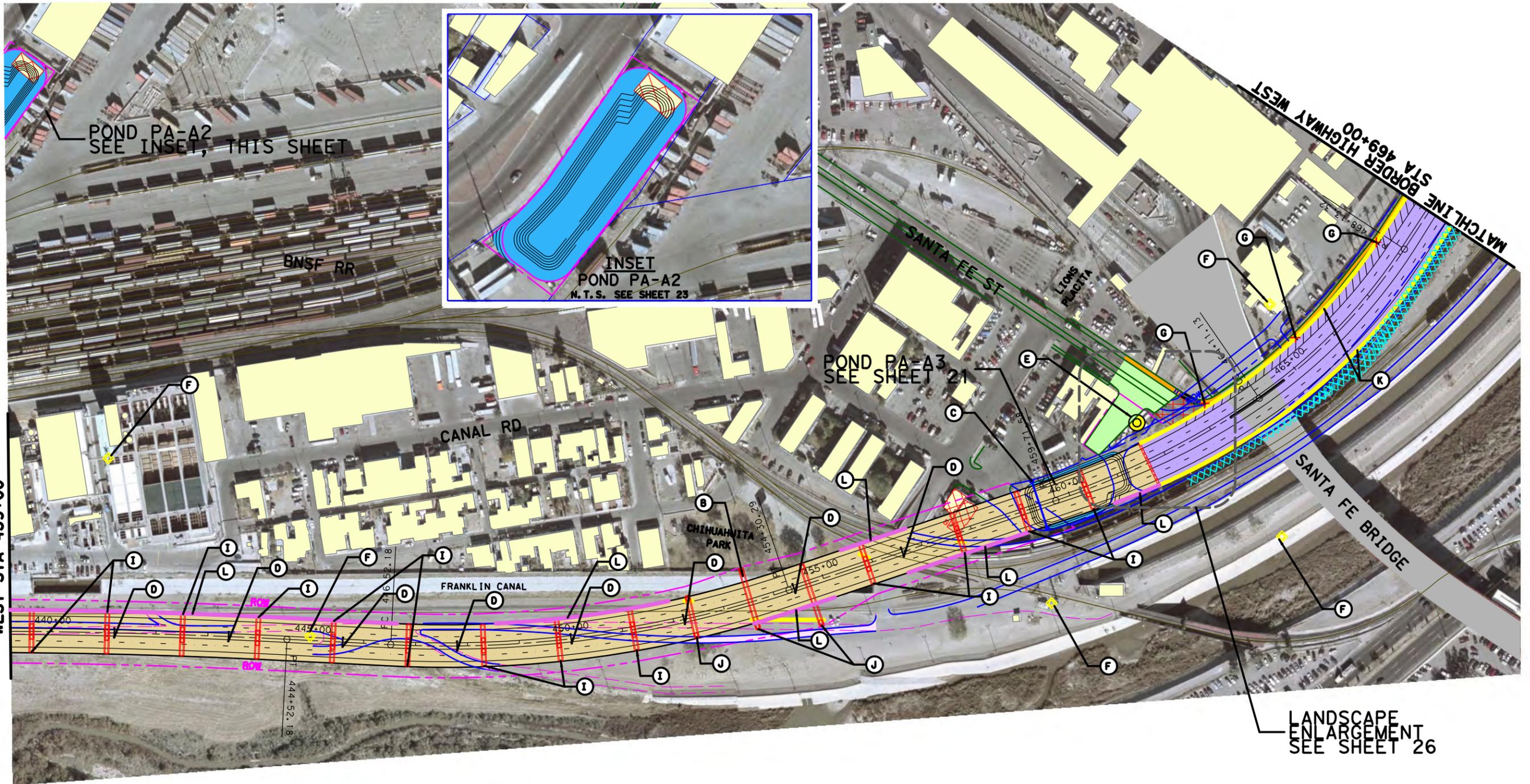
PRELIMINARY

This project is preliminary and preliminary only. No claim of construction or other rights shall be made until the project is fully approved and constructed.

HALFF
TYPE: FIRM #P-312

Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

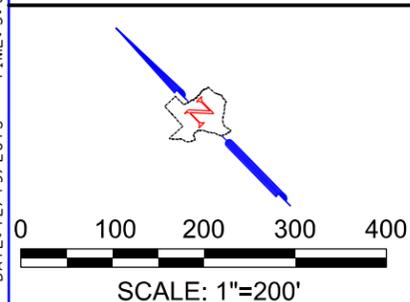
TxDOT El Paso District CSJ: 2552-04-027 SHEET 11/49



MATCHLINE BORDER HIGHWAY WEST STA 439+00

MATCHLINE BORDER HIGHWAY WEST STA 469+00

LANDSCAPE ENLARGEMENT SEE SHEET 26

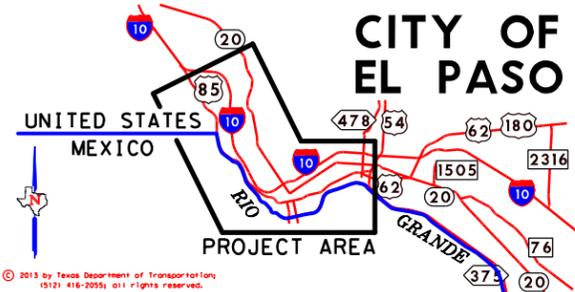


LEGEND

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 TYPE: FIRM #P-312

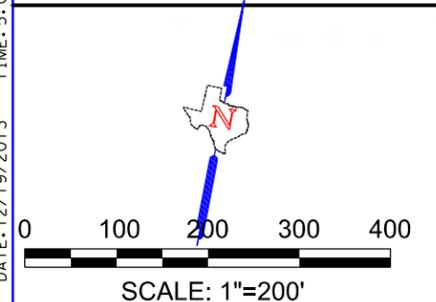
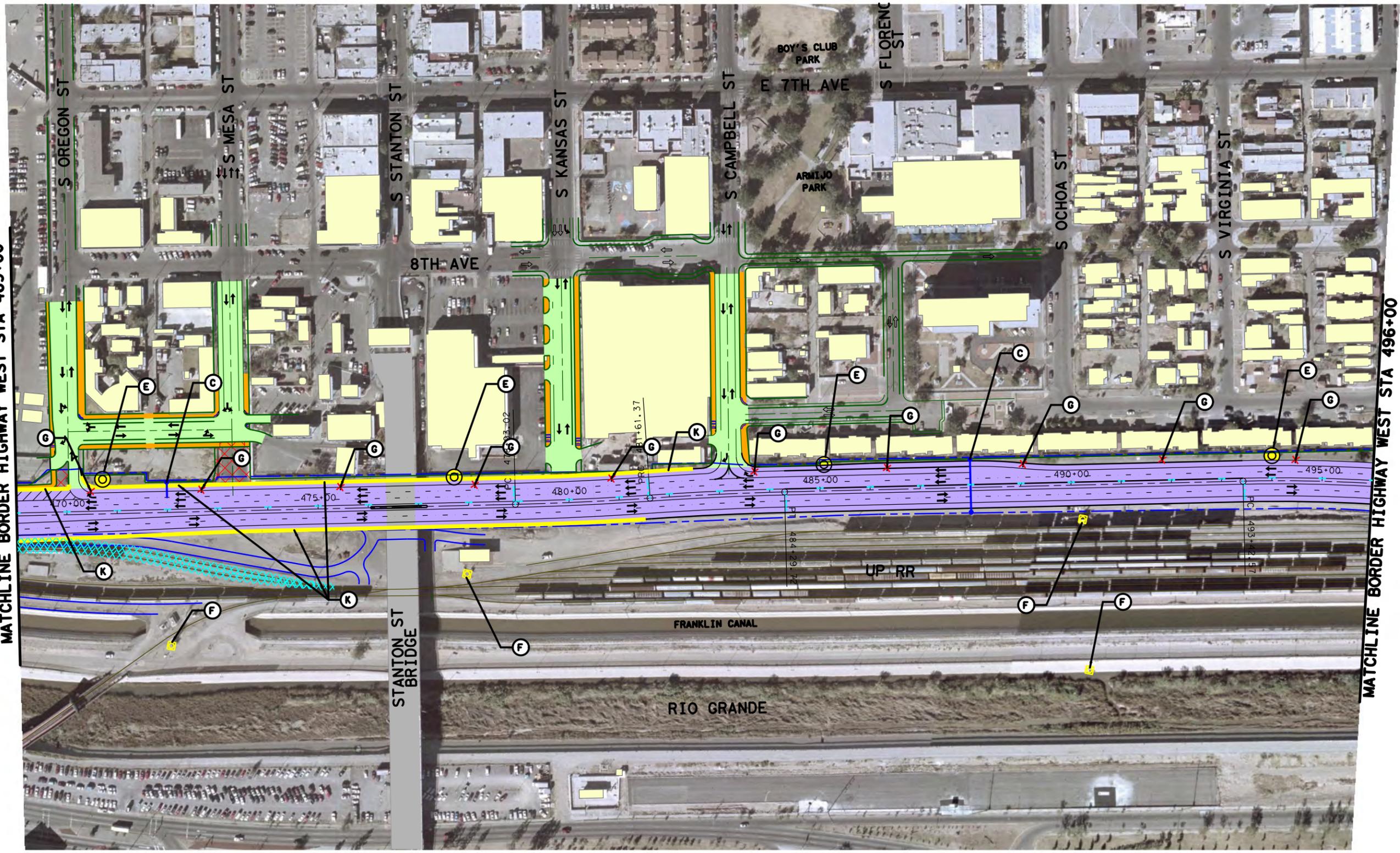
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 12/49

MATCHLINE BORDER HIGHWAY WEST STA 469+00

MATCHLINE BORDER HIGHWAY WEST STA 496+00



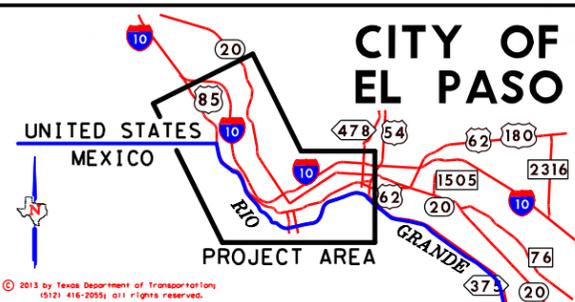
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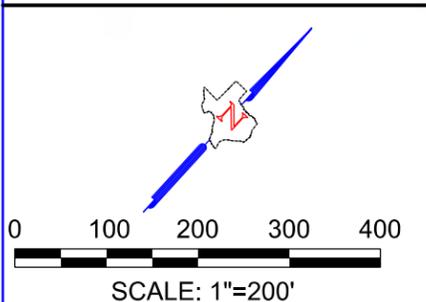
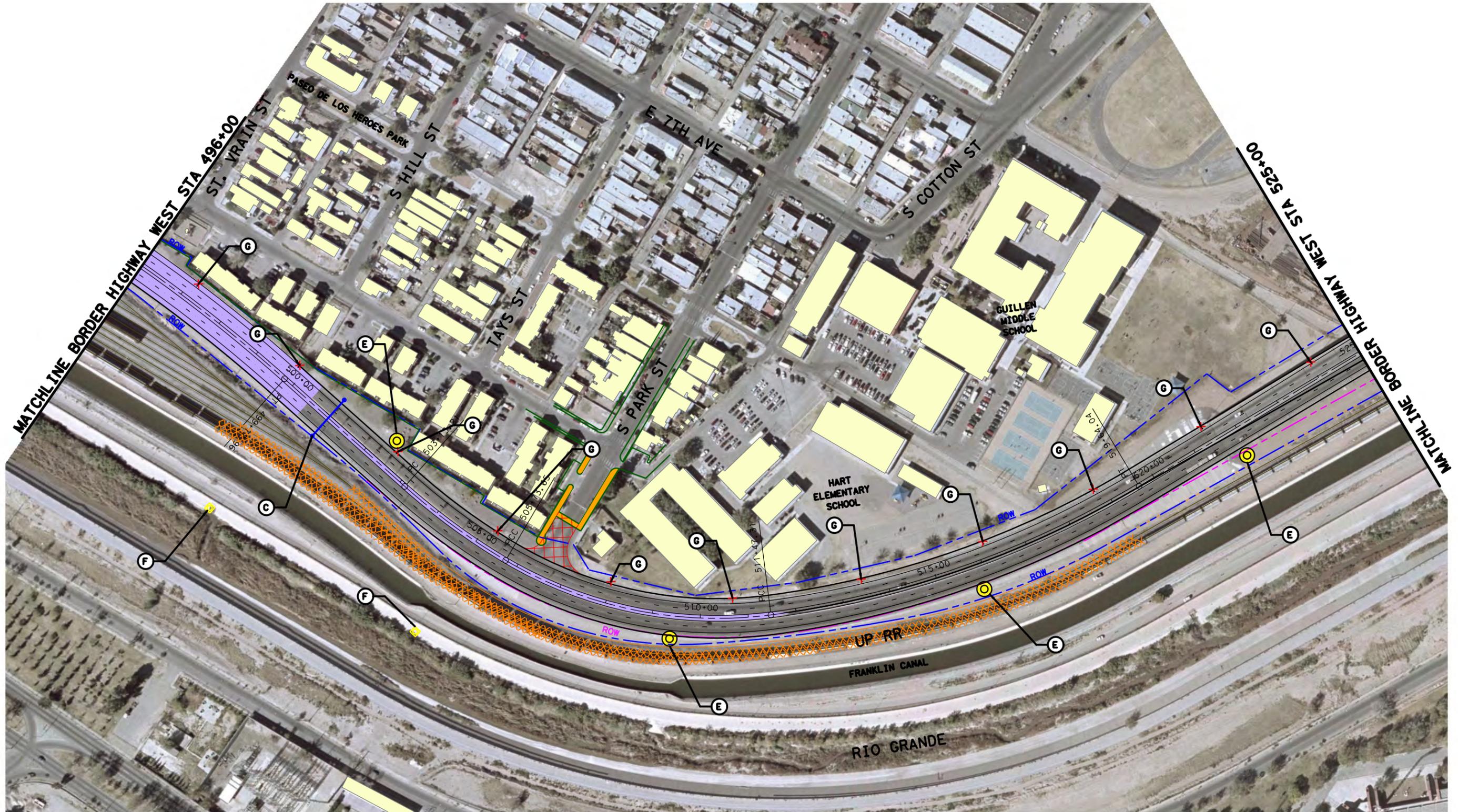
PRELIMINARY
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 13/49

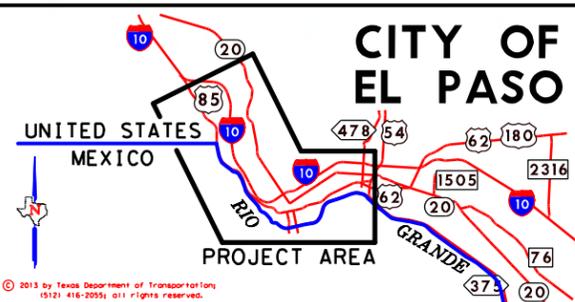


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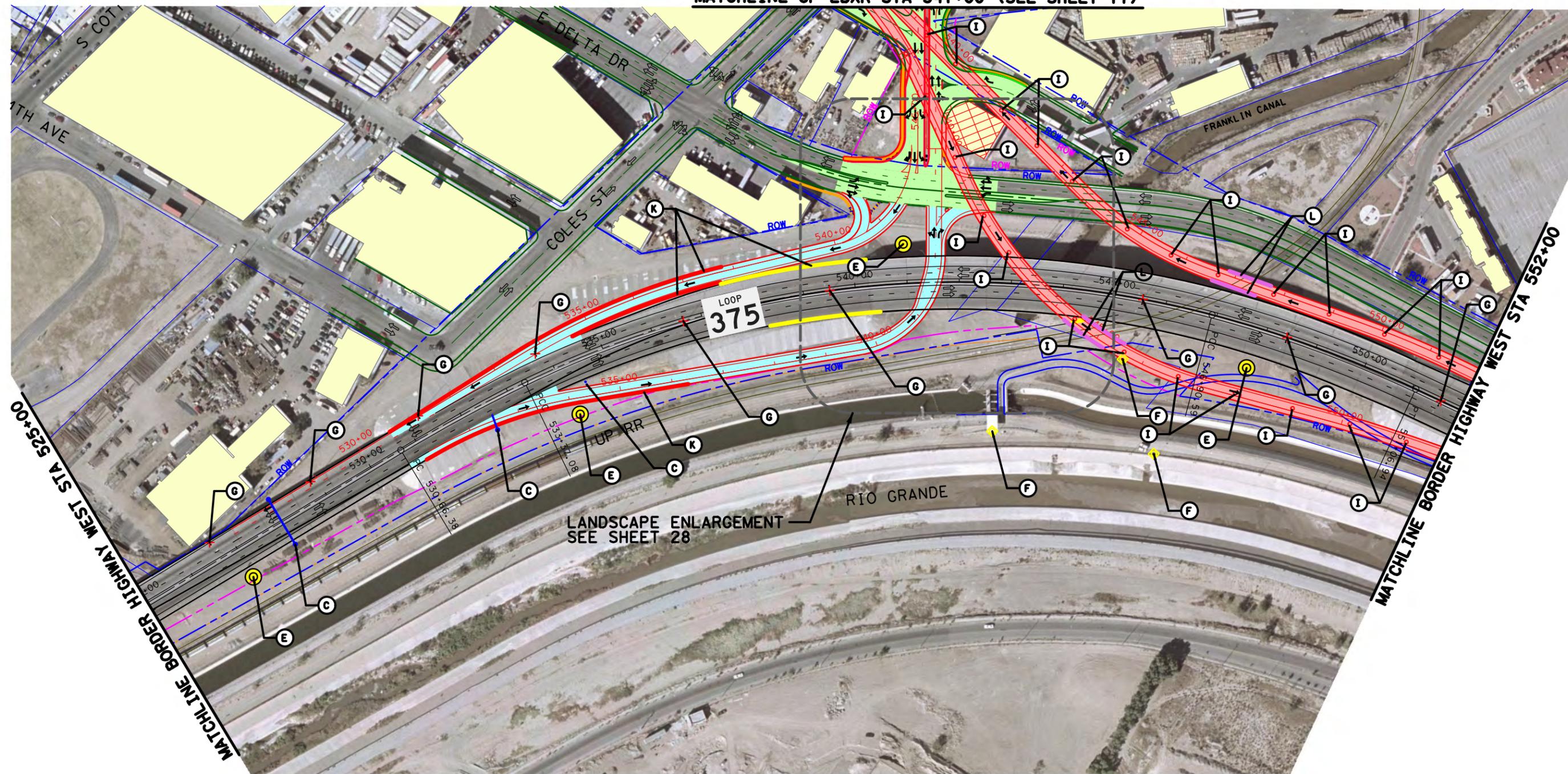
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 14/49

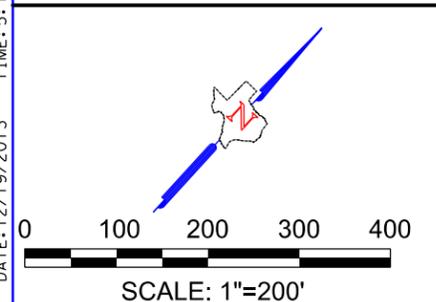
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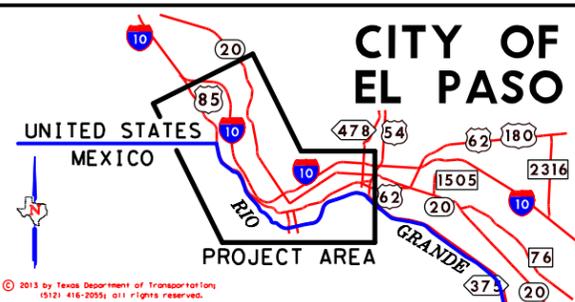


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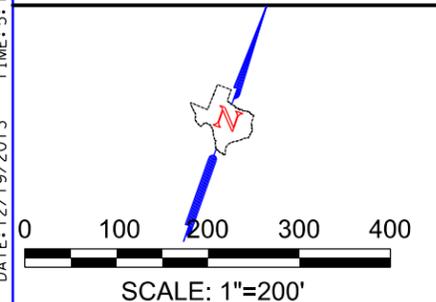
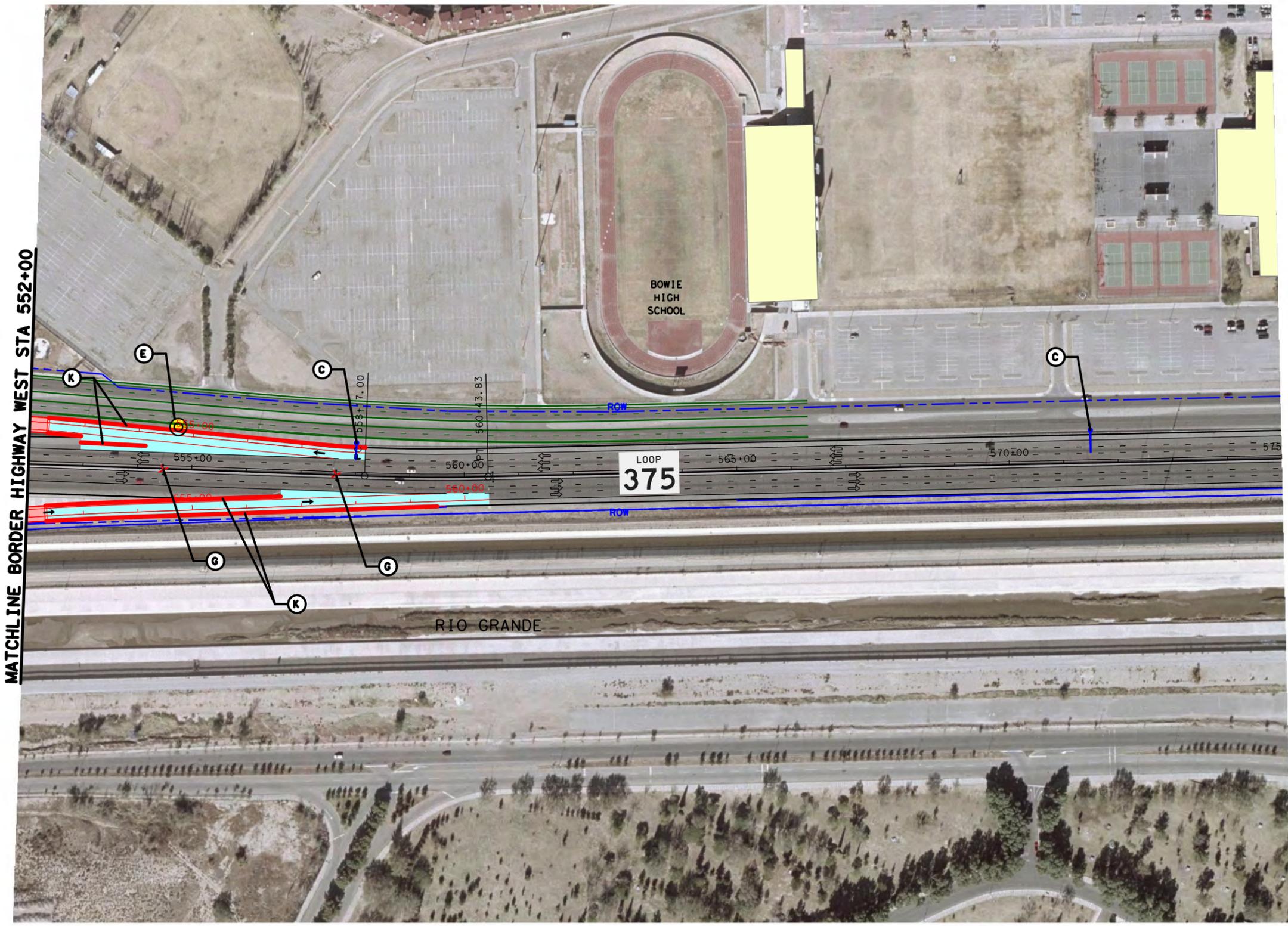
PRELIMINARY

This project is preliminary and preliminary only. It is not intended for regulatory approval, permit, bidding or construction purposes. It is subject to change without notice.

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TYPE: FIRM #P-312

Loop 375 Border Highway West
 Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 15/49

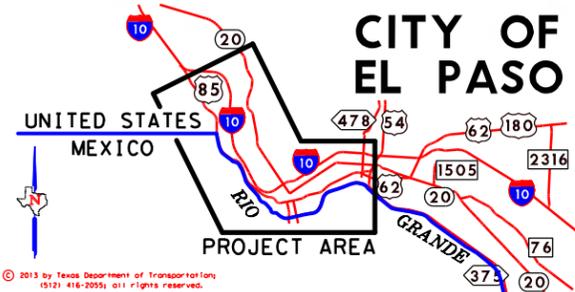


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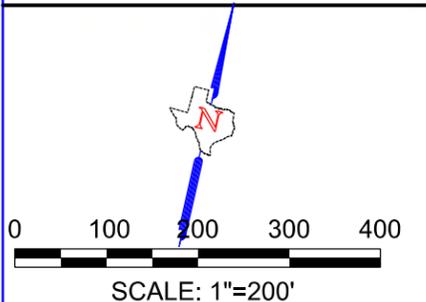
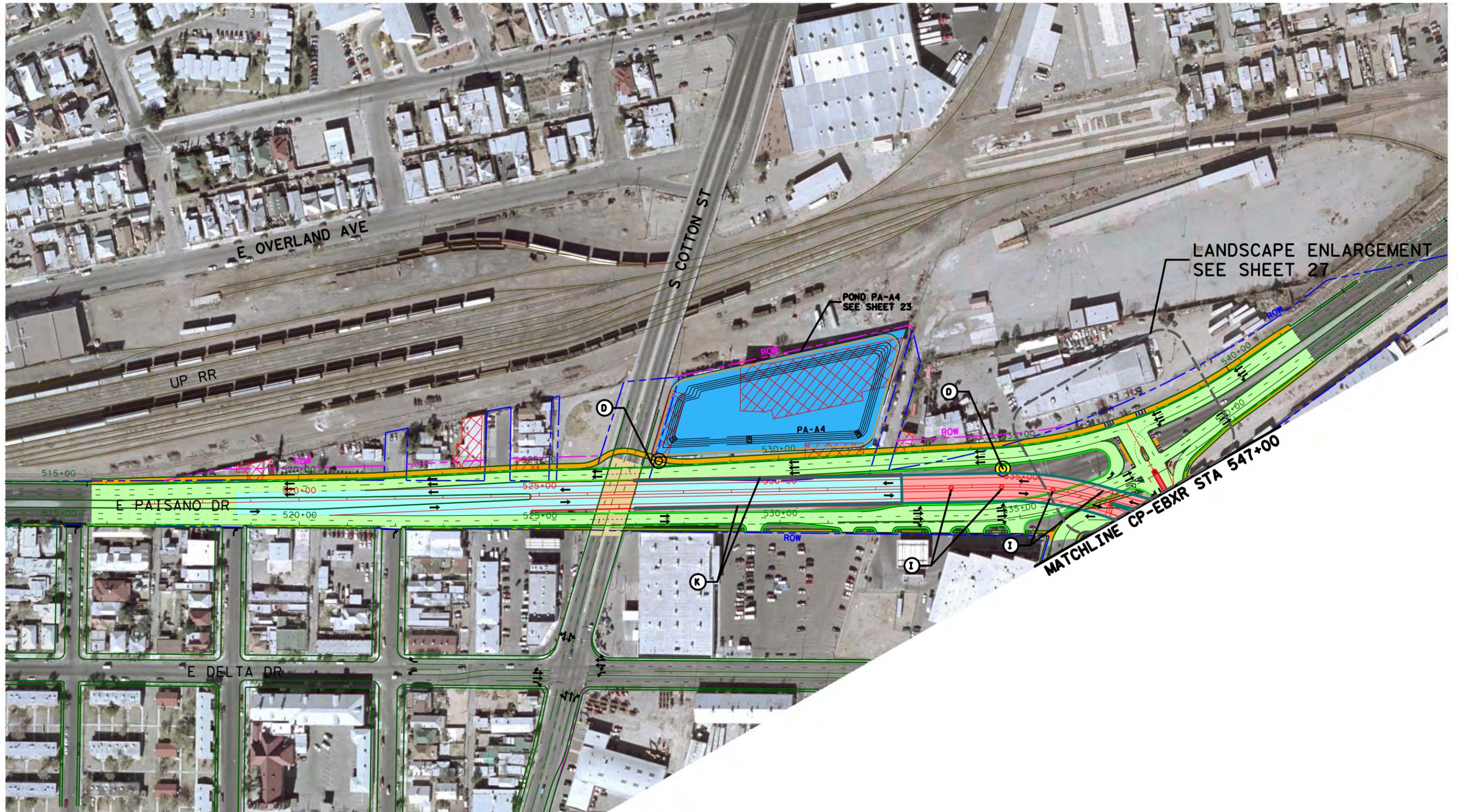
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 DECEMBER 19, 2013
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
AESTHETIC LAYOUT SHEETS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 16/49

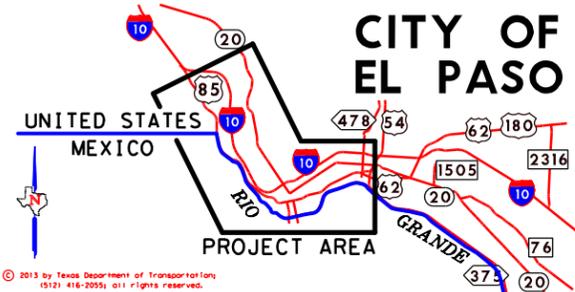


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 DECEMBER 19, 2013
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PRELIMINARY
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 TYPE: FIRM #P-312

Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 AESTHETIC LAYOUT SHEETS

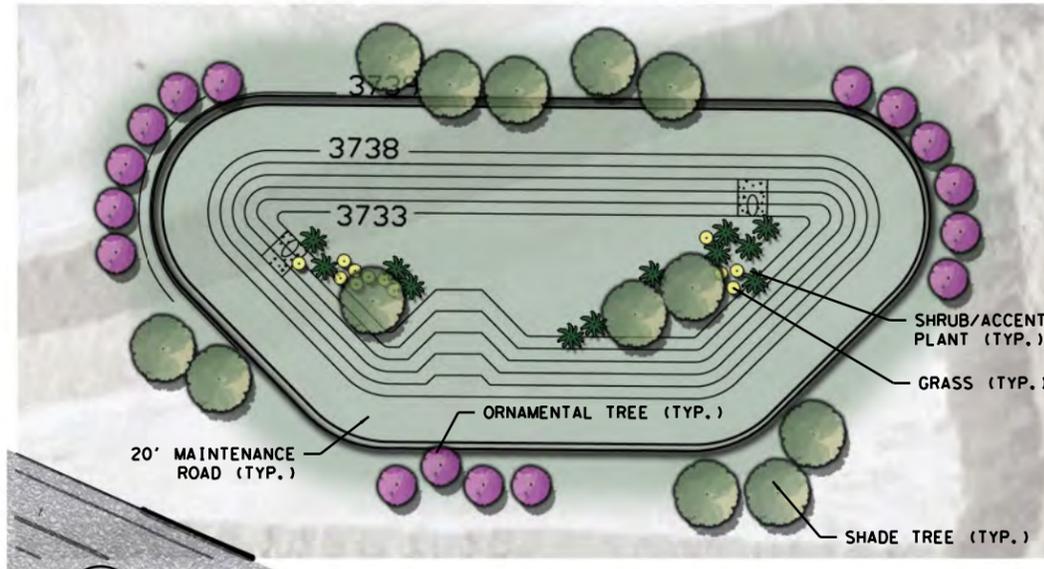
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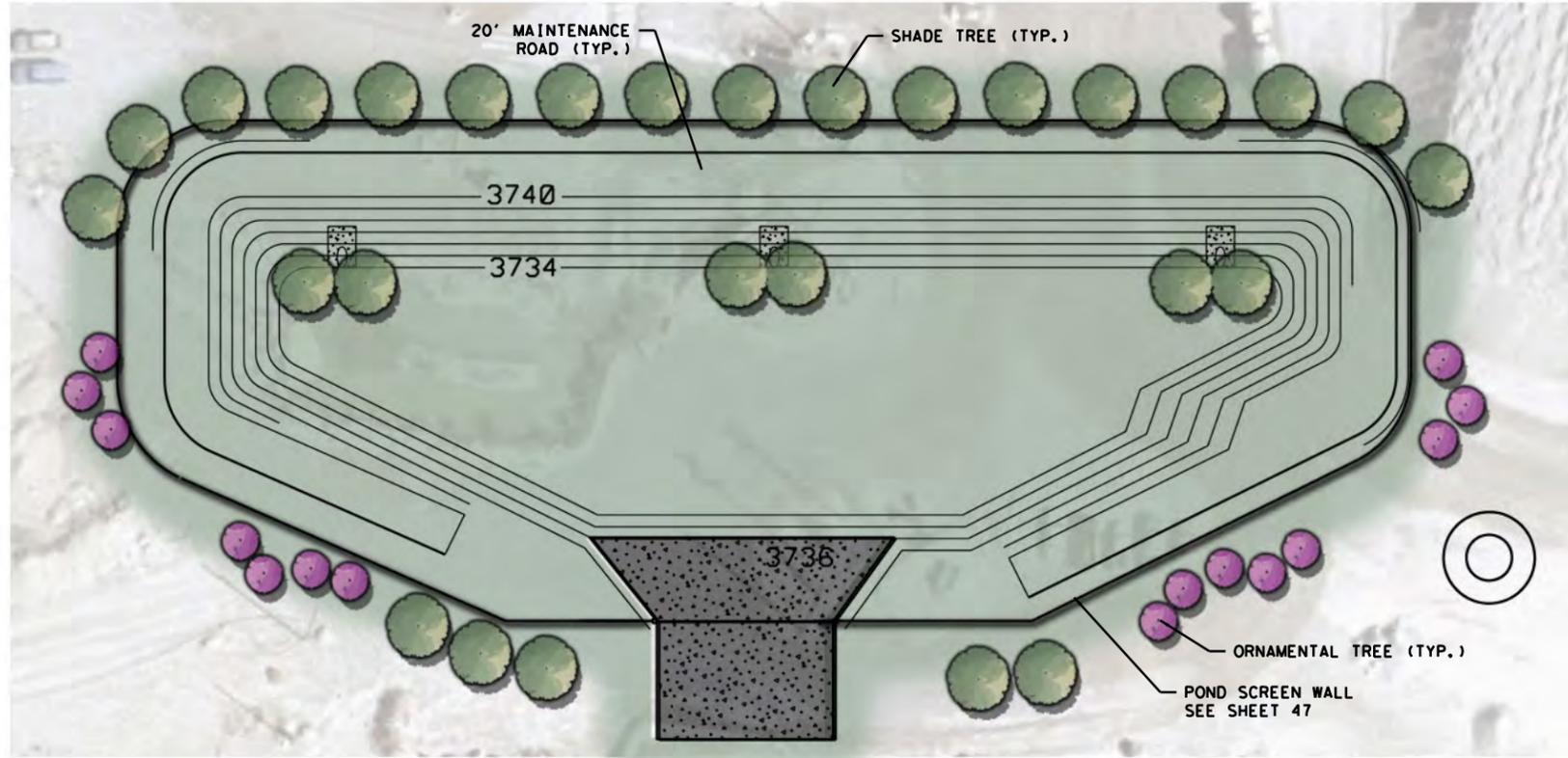
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- SHADE TREES
- ORNAMENTAL TREES
- SHRUBS/ACCENT PLANTS
- GRASSES

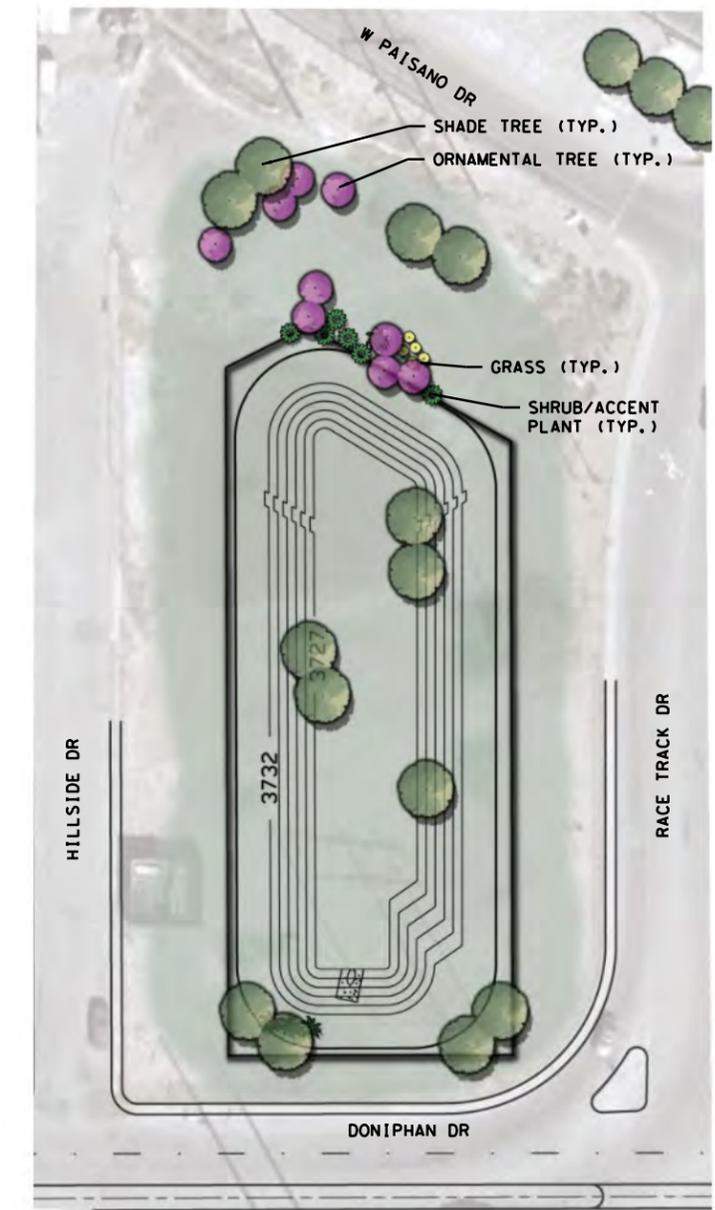


3 RETENTION POND PA-B3
NOT TO SCALE



2 RETENTION POND PA-B2
NOT TO SCALE

- NOTES:
1. CONTRACTOR SHALL MAKE PLANT MATERIAL SELECTIONS BASED ON PLANT MATRIX SHOWN ON SHEET 29.
 2. PLANTING DESIGN IS SCHEMATIC AND REPRESENTATIVE OF INTENT ONLY.
 3. CONTRACTOR SHALL PROVIDE A MINIMUM 2 DISTINCT SPECIES OF EACH PLANT CATEGORY PER POND.
 4. FINAL PLANTING DESIGN SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL.



1 RETENTION POND PA-B1
NOT TO SCALE

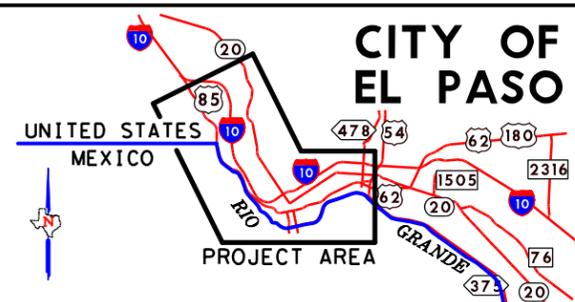
LEGEND

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	PROP R.O.W.
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	PROP DETENTION PONDS
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H. WAYNE COOPER 1286
NAME R.L.A. NO.
DECEMBER 19, 2013
DATE



PRELIMINARY
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TSPE, FIRM #F-312

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
RETENTION POND PLANS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 18/49

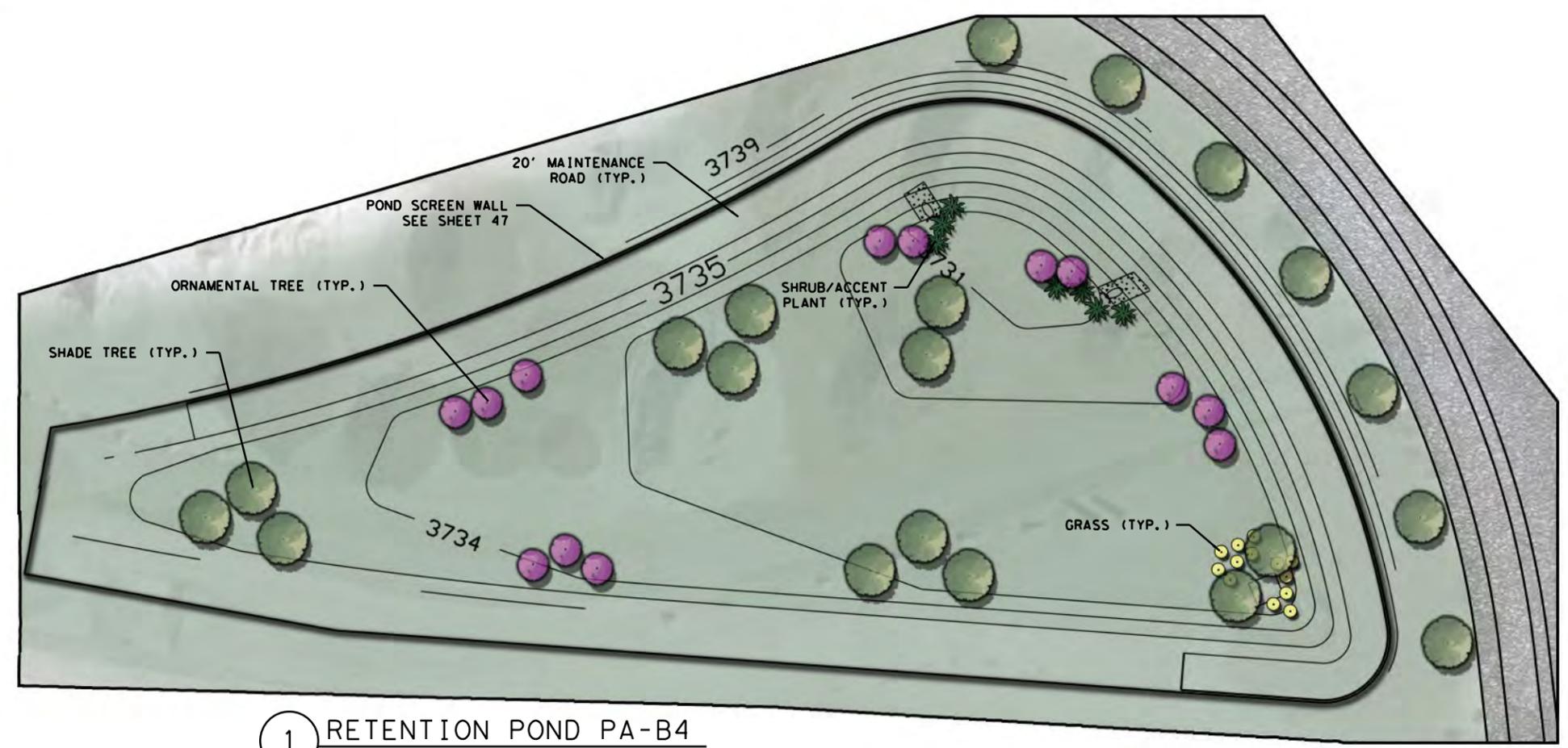
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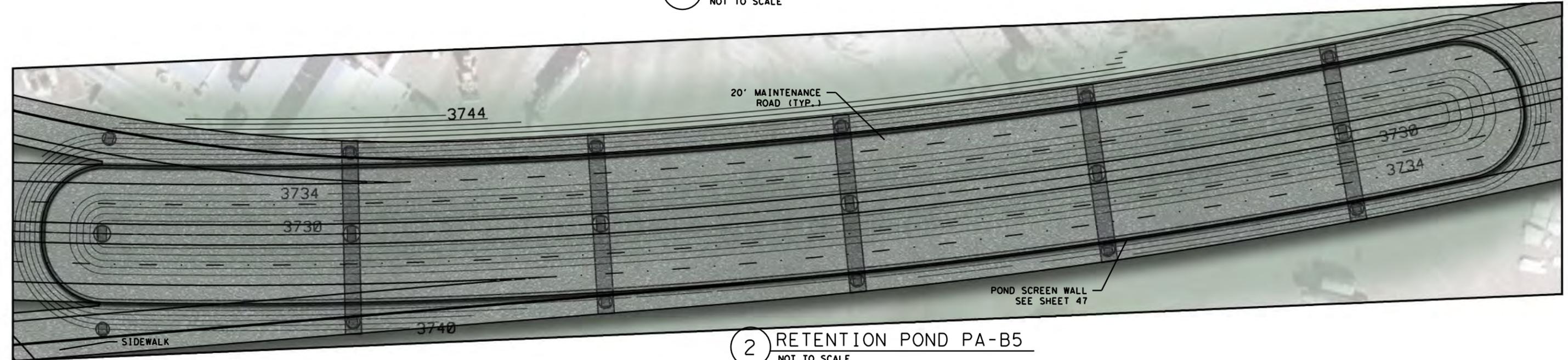


- SHADE TREES
- ORNAMENTAL TREES
- SHRUBS/ACCENT PLANTS
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NOTES:
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1 RETENTION POND PA-B4
NOT TO SCALE

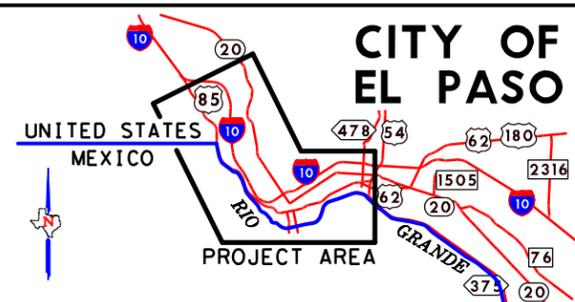


2 RETENTION POND PA-B5
NOT TO SCALE

LEGEND

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 H. WAYNE COOPER 1286
 NAME R.L.A. NO.
 DECEMBER 19, 2013
 DATE



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TEXAS DEPARTMENT OF TRANSPORTATION
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TBPE FIRM #F-312

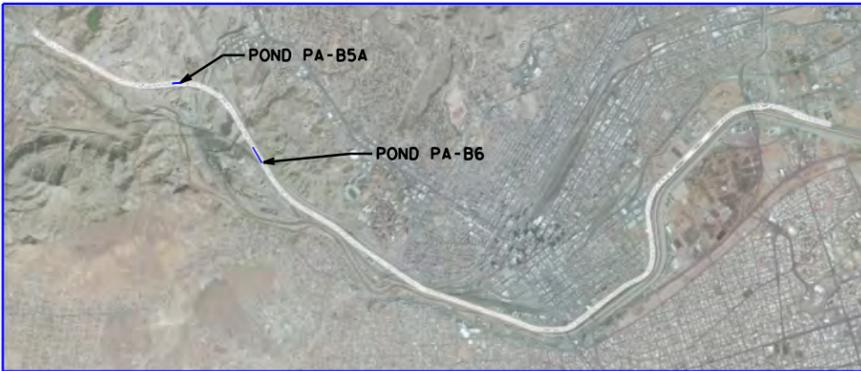
Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
RETENTION POND PLANS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 19/49

User: oh2586

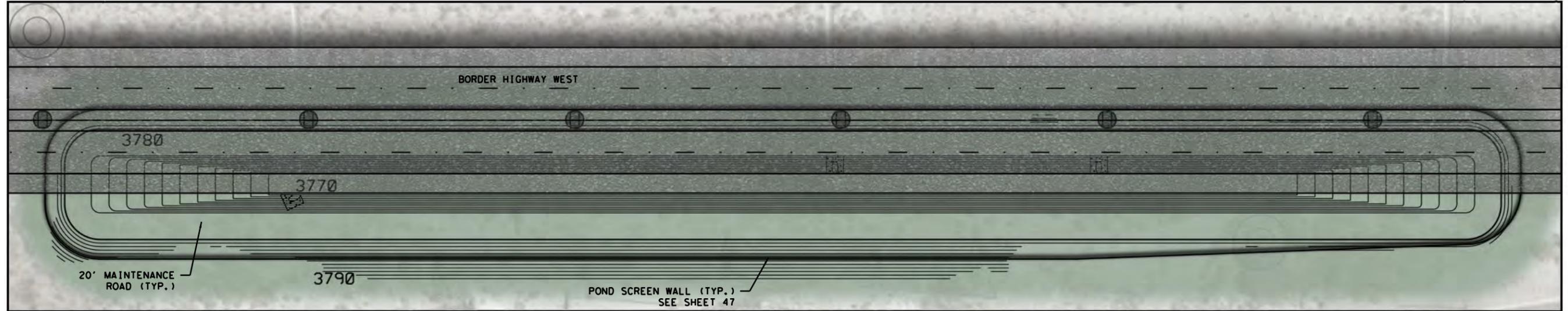
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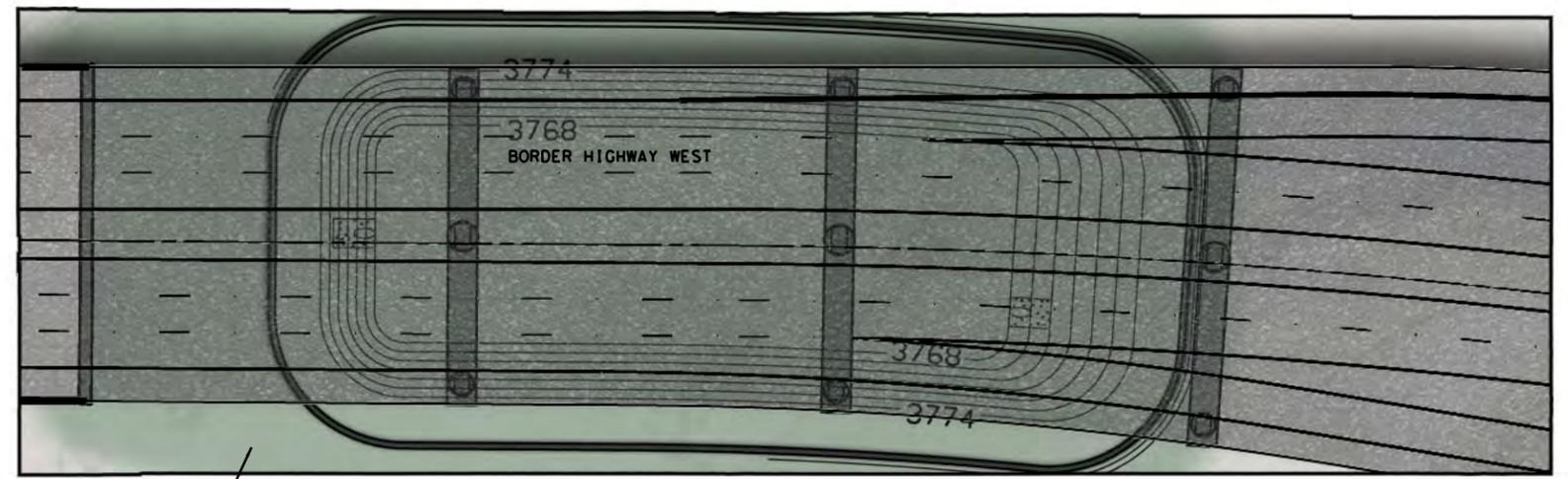


-  SHADE TREES
-  ORNAMENTAL TREES
-  SHRUBS/ACCENT PLANTS
-  GRASSES

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2 RETENTION POND PA-B6
NOT TO SCALE



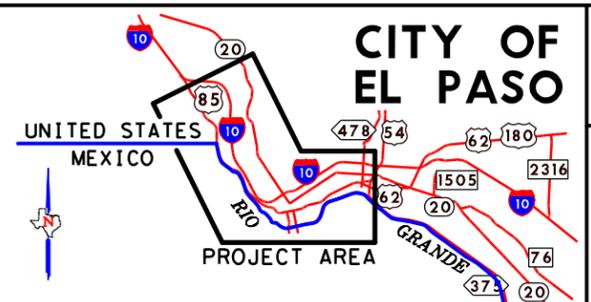
1 RETENTION POND PA-B5A
NOT TO SCALE

- LEGEND**
-  EXIST R.O.W.
 -  PROP R.O.W.
 -  PROP TEMP. CONSTRUCTION EASEMENT
 -  EXIST PROPERTY LINE
 -  PROP DETENTION PONDS
 -  PROP SURFACE STREET
 -  PROP LOOP 375 (AT GRADE)
 -  PROP LOOP 375 (ON STRUCTURE)
 -  PROP US 85 (AT GRADE)
 -  PROP US 85 (ON STRUCTURE)
 -  PROP RAMPS (AT GRADE)
 -  PROP RAMPS (ON STRUCTURE)
 -  PROP SIDEWALK/BIKE PATH

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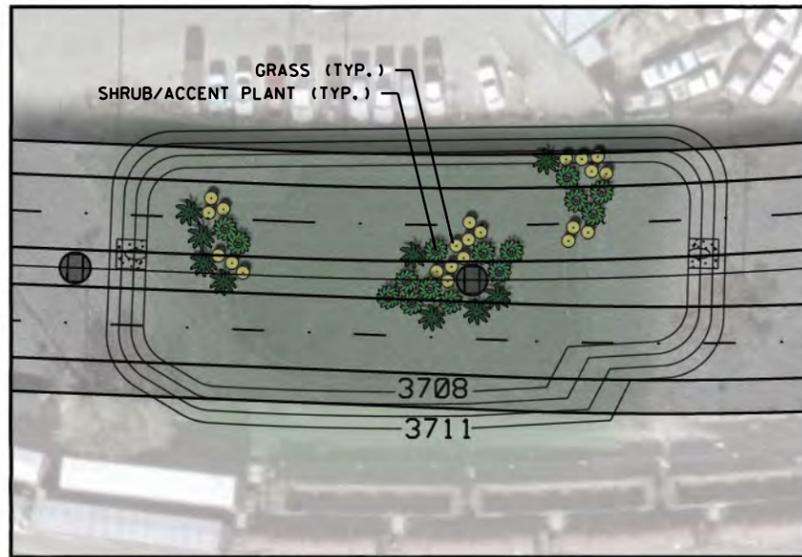
Loop 375 Border Highway West
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RETENTION POND PLANS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 20/49

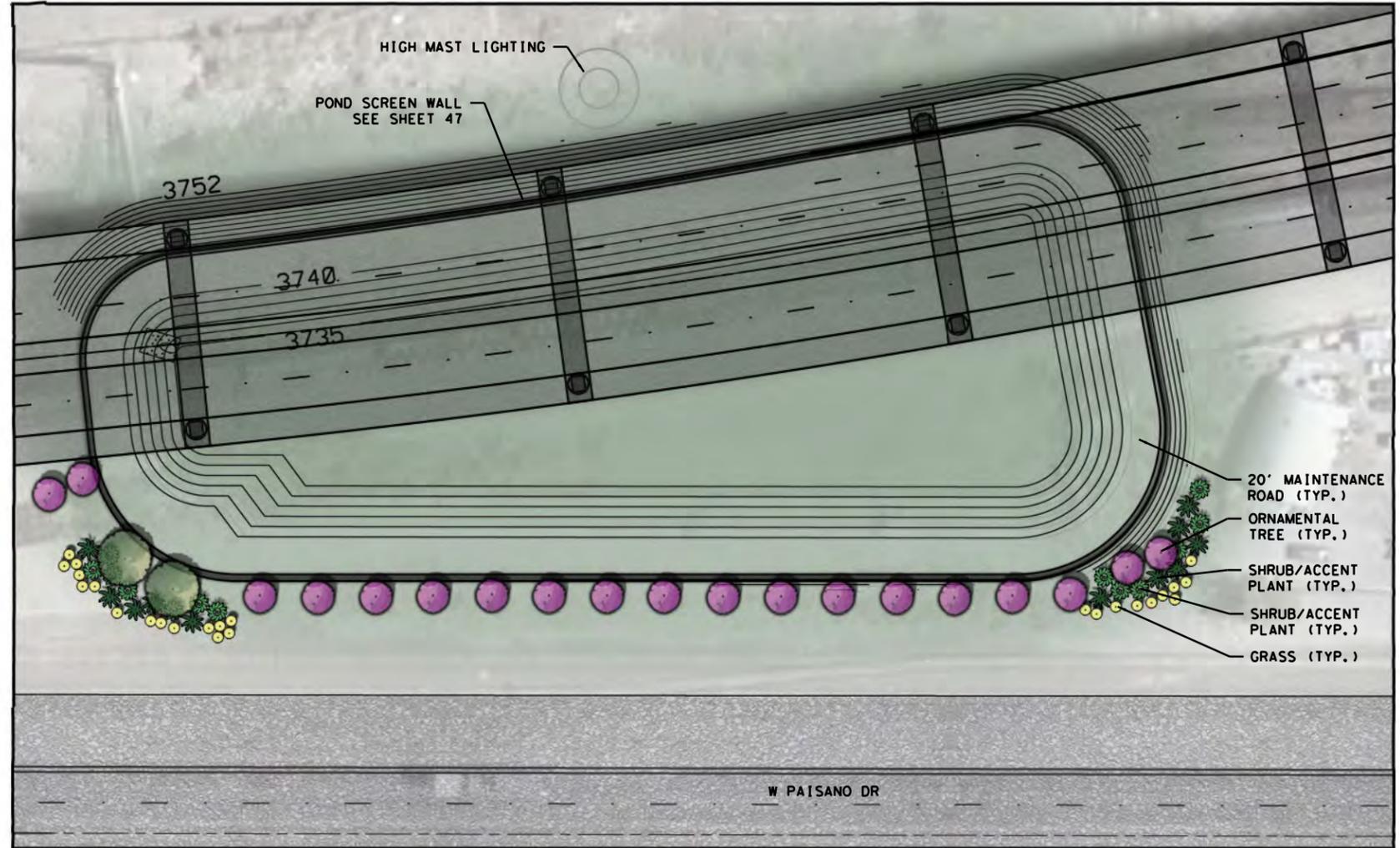


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- SHADE TREES
- ORNAMENTAL TREES
- SHRUBS/ACCENT PLANTS
- GRASSES



2 RETENTION POND PA-A3
NOT TO SCALE

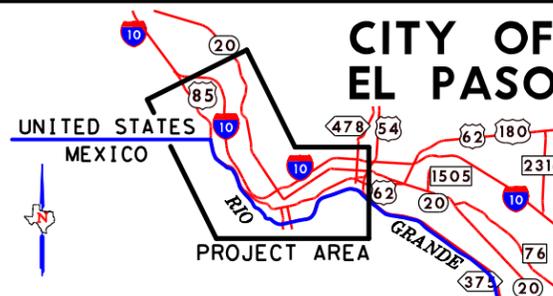


1 RETENTION POND PA-B7
NOT TO SCALE

LEGEND

	EXIST R.O.W.
	PROP R.O.W.
	PROP TEMP. CONSTRUCTION EASEMENT
	EXIST PROPERTY LINE
	PROP DETENTION PONDS
	PROP SURFACE STREET
	PROP LOOP 375 (AT GRADE)
	PROP LOOP 375 (ON STRUCTURE)
	PROP US 85 (AT GRADE)
	PROP US 85 (ON STRUCTURE)
	PROP RAMPS (AT GRADE)
	PROP RAMPS (ON STRUCTURE)
	PROP SIDEWALK/BIKE PATH

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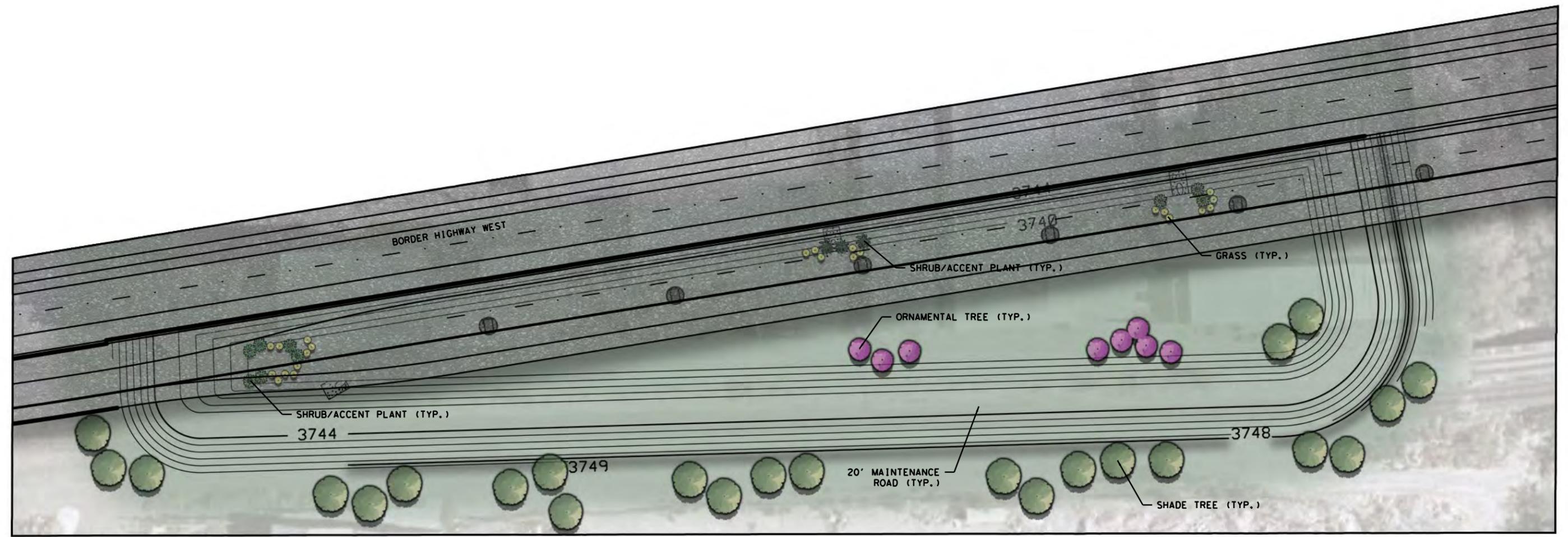
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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
RETENTION POND PLANS



-  SHADE TREES
-  ORNAMENTAL TREES
-  SHRUBS/ACCENT PLANTS
-  GRASSES

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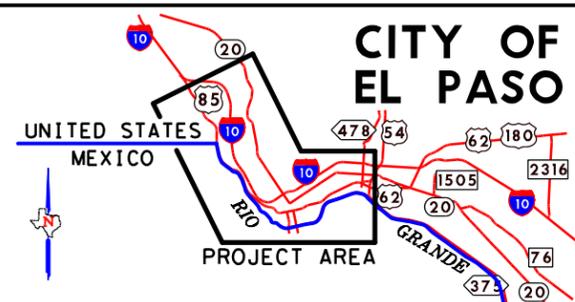
1 RETENTION POND PA-B8
NOT TO SCALE

- LEGEND**
-  EXIST R.O.W.
 -  PROP R.O.W.
 -  PROP TEMP. CONSTRUCTION EASEMENT
 -  EXIST PROPERTY LINE
 -  PROP DETENTION PONDS
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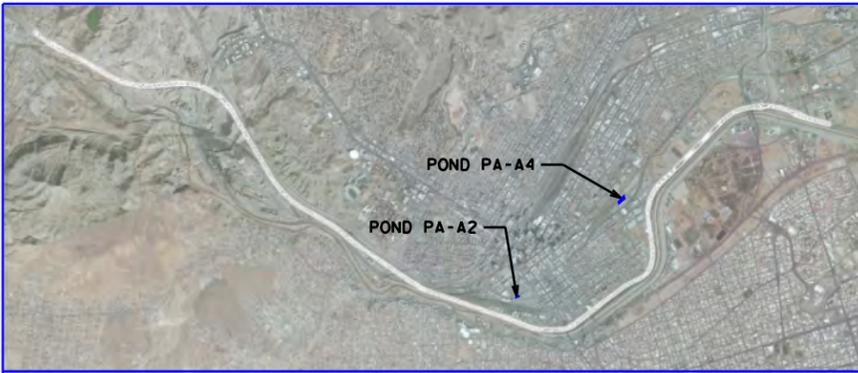
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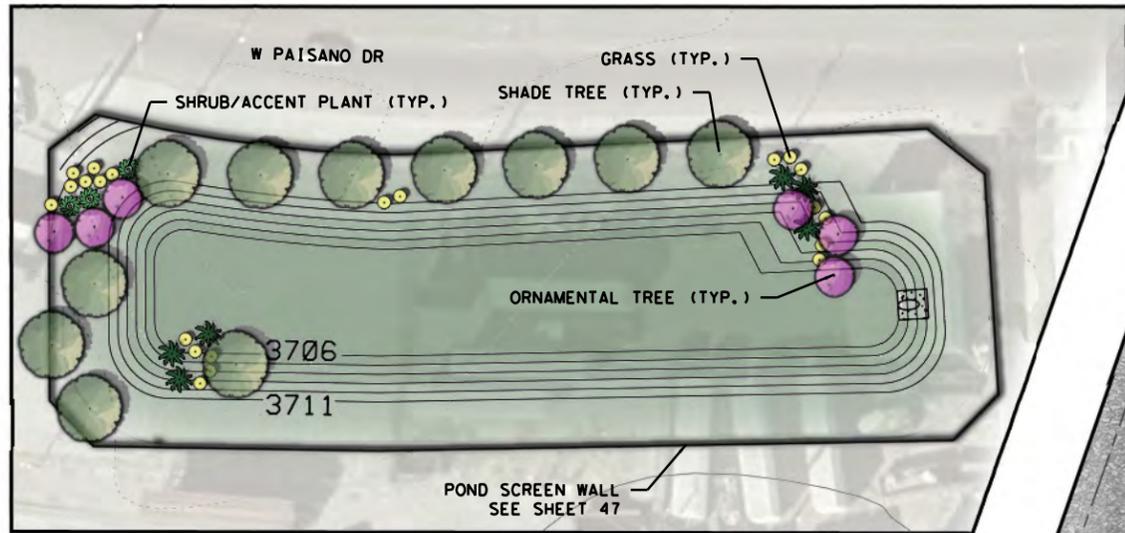
**Loop 375 Border Highway West
Extension Project
From Racetrack Drive to East of Park Street
RETENTION POND PLANS**

TxDOT El Paso District CSJ: 2552-04-027 SHEET 22/49

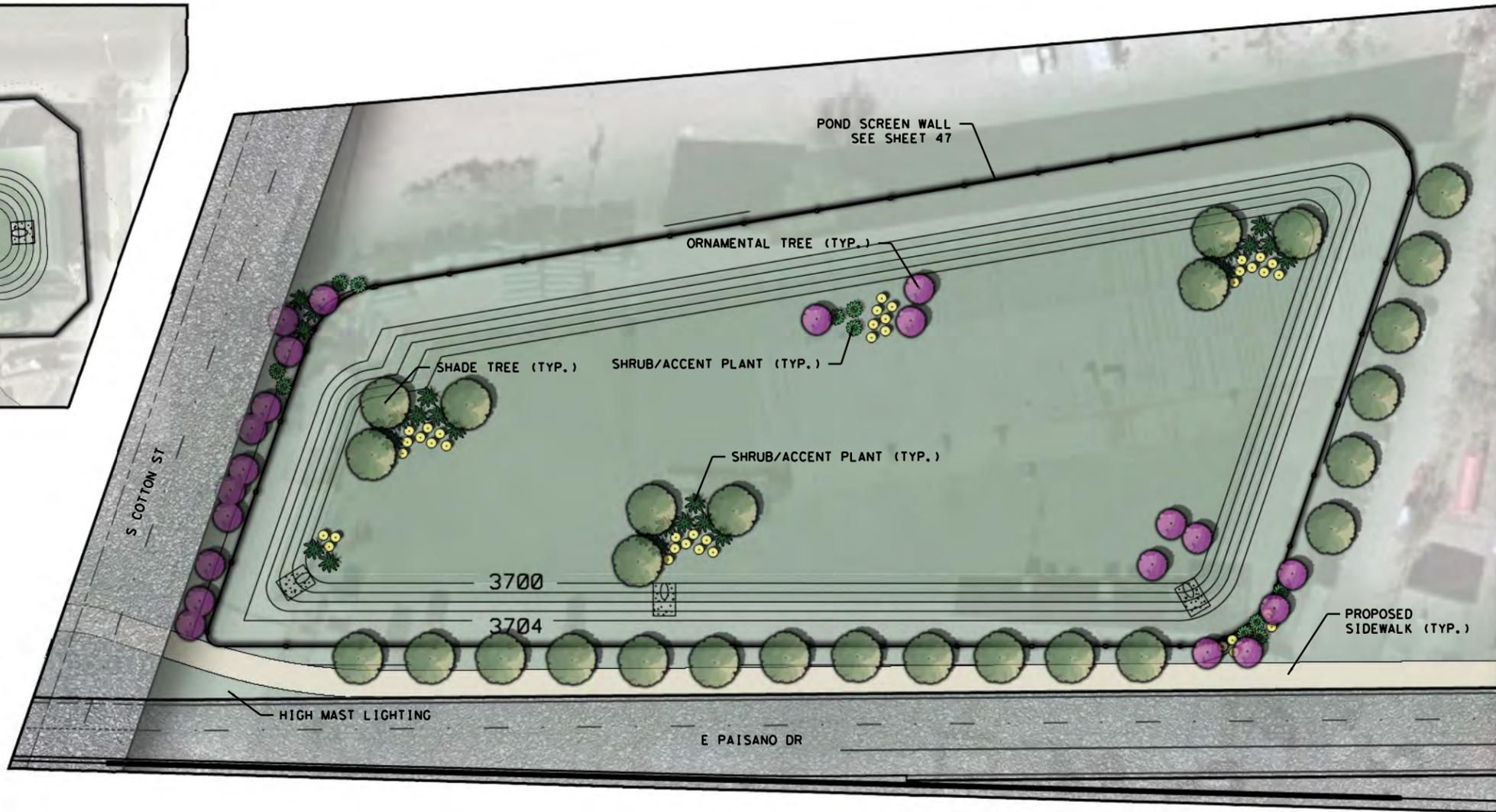


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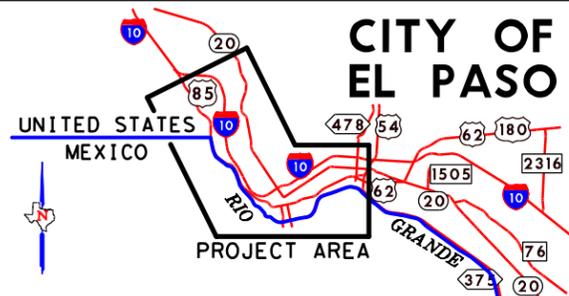
2 RETENTION POND PA-A2
NOT TO SCALE



1 RETENTION POND PA-A4
NOT TO SCALE

- LEGEND**
- EXIST R.O.W.
 - PROP R.O.W.
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 - PROP SURFACE STREET
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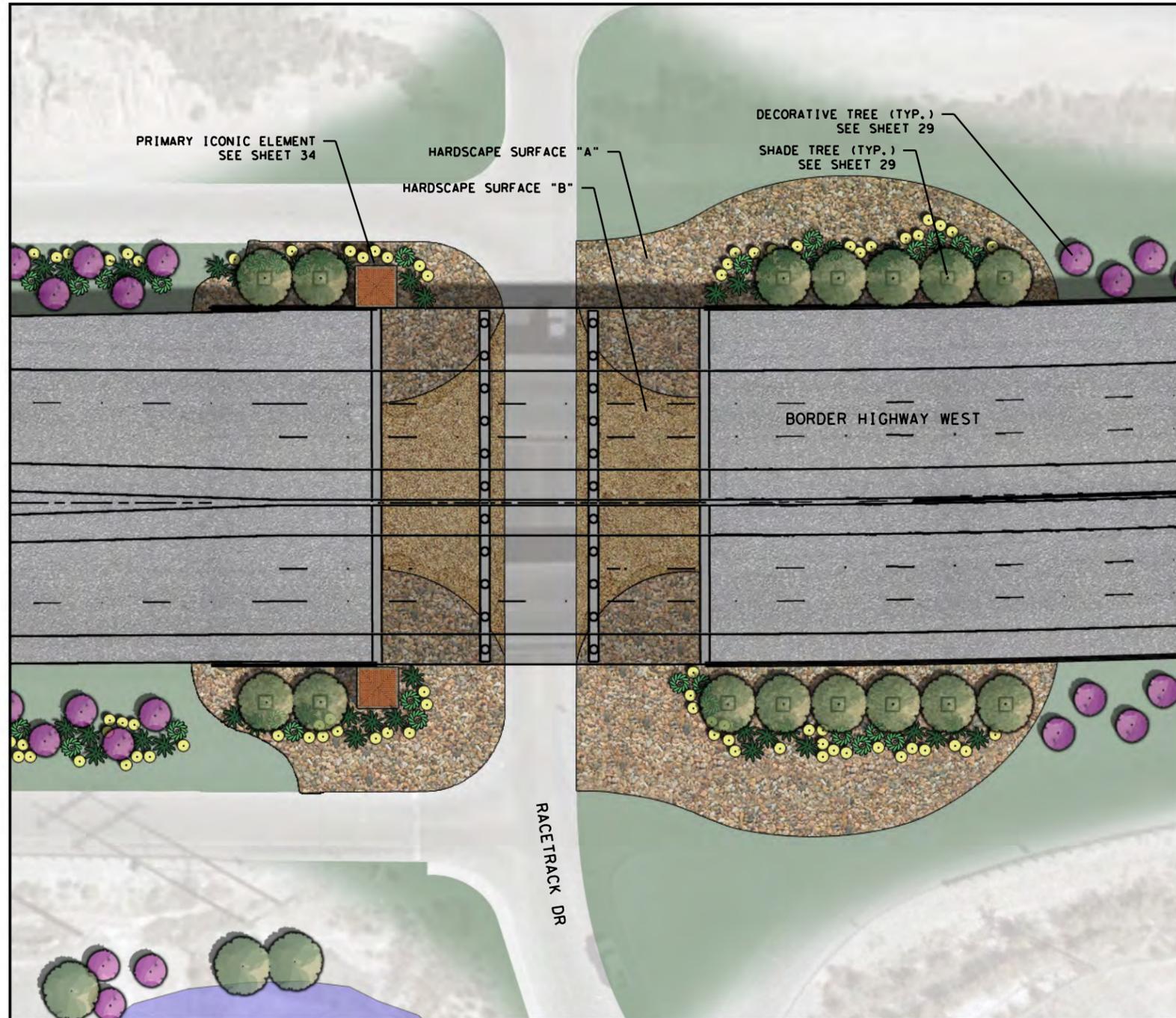


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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
RETENTION POND PLANS

TxDOT El Paso District CSJ: 2552-04-027 SHEET 23/49



-  SHADE TREES
-  ORNAMENTAL TREES
-  SHRUBS/ACCENT PLANTS
-  GRASSES

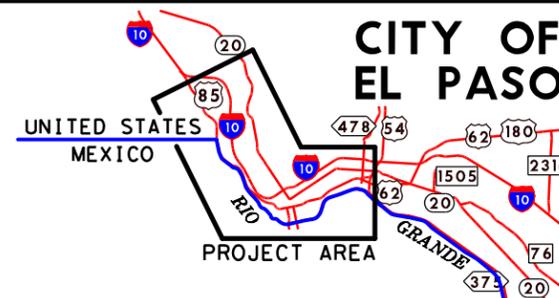
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1 RACETRACK DRIVE INTERSECTION
NOT TO SCALE

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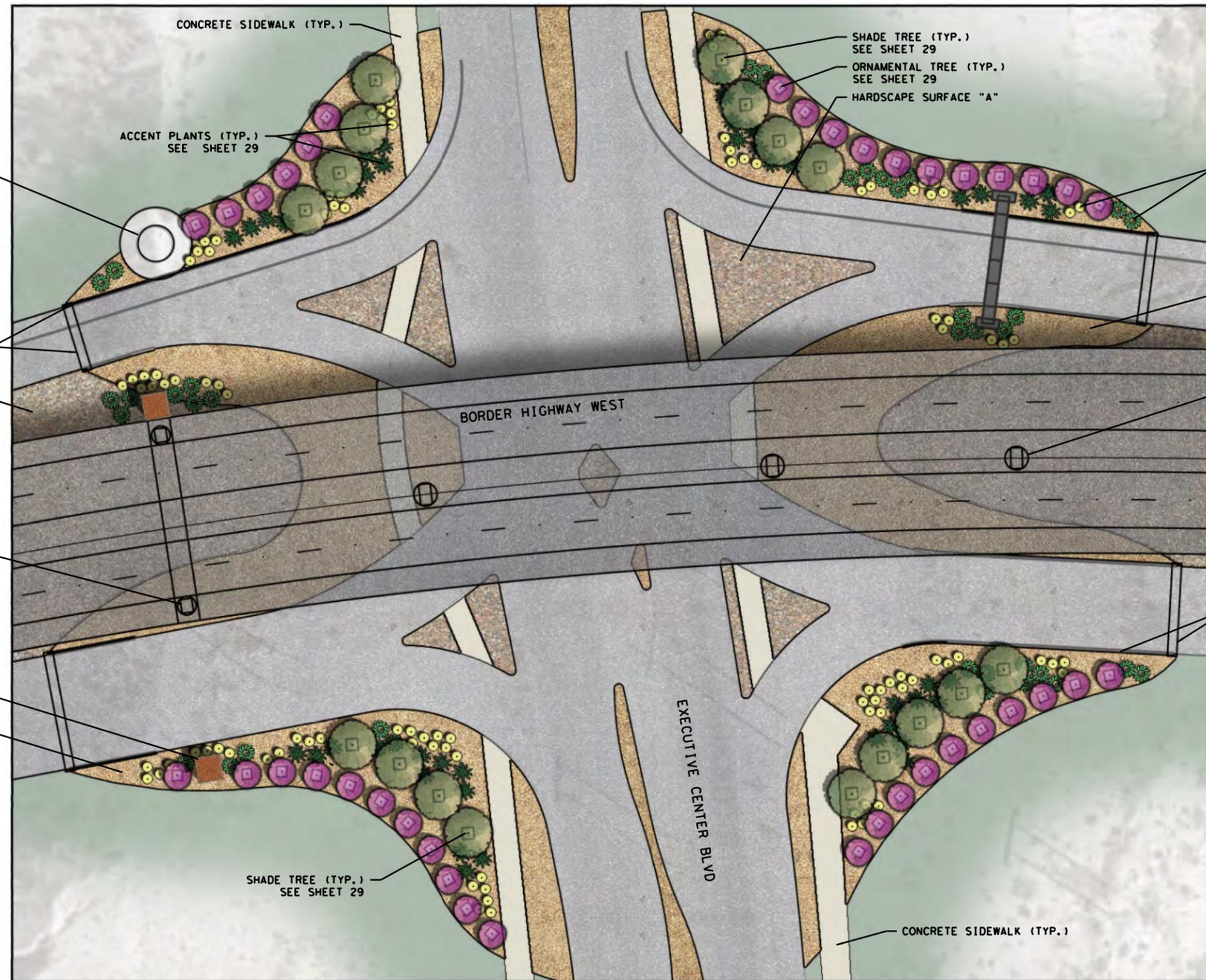
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TBPE, FIRM #F-312

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
LANDSCAPE ENLARGEMENTS - RACETRACK DR.



HIGH MAST LIGHTING

ACCENT PLANTS (TYP.)
SEE SHEET 29

SHADE TREE (TYP.)
SEE SHEET 29
ORNAMENTAL TREE (TYP.)
SEE SHEET 29
HARDSCAPE SURFACE "A"

ACCENT PLANTS (TYP.)
SEE SHEET 29

HARDSCAPE SURFACE "B"

RETAINING WALL & ABUTMENT
SEE SHEET 38

HARDSCAPE SURFACE "A"

BORDER HIGHWAY WEST

BRIDGE COLUMN (TYP.)
SEE PAGE 30

BRIDGE COLUMN (TYP.)
SEE PAGE 30

RETAINING WALL & ABUTMENT
SEE SHEET 38

SECONDARY ICONIC ELEMENT
SEE SHEET 36

HARDSCAPE SURFACE "B"

SHADE TREE (TYP.)
SEE SHEET 29

EXECUTIVE CENTER BLVD

CONCRETE SIDEWALK (TYP.)

- SHADE TREES
- ORNAMENTAL TREES
- SHRUBS/ACCENT PLANTS
- GRASSES

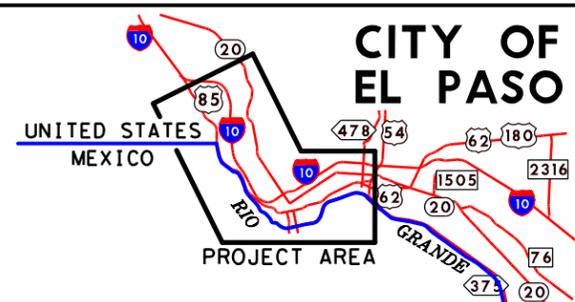
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1 EXECUTIVE CENTER BLVD INTERSECTION
NOT TO SCALE

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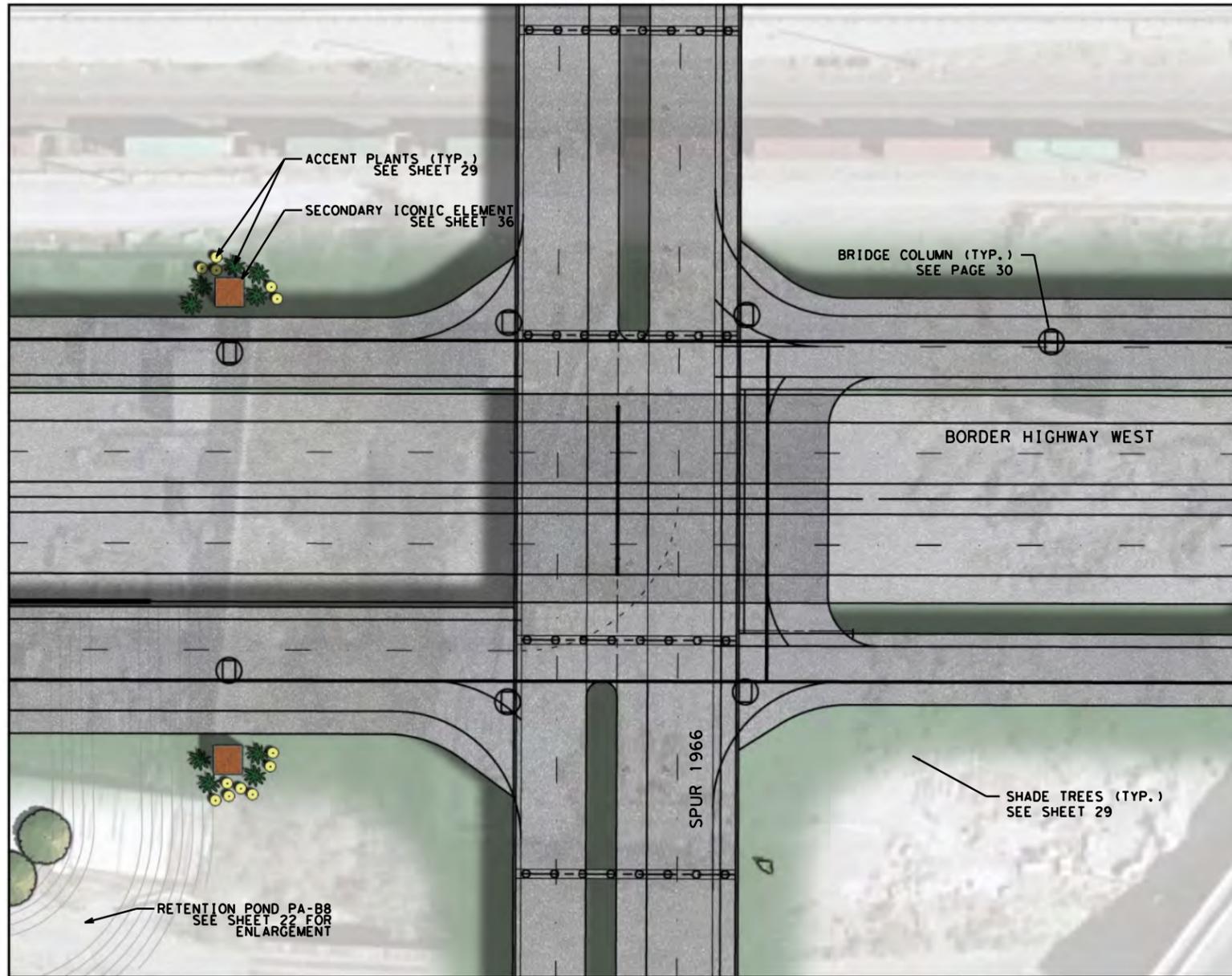
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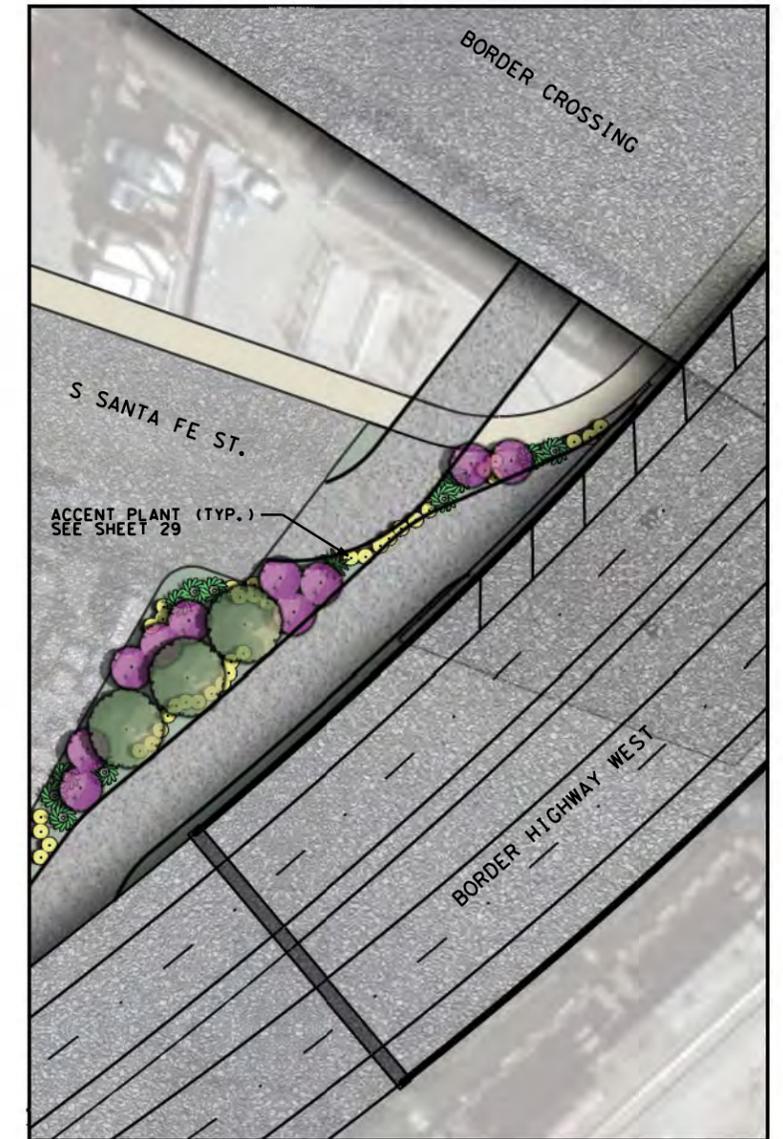
Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
LANDSCAPE ENLARGEMENTS - EXECUTIVE CENTER DR.
TxDOT El Paso District CSJ: 2552-04-027 SHEET 25/49

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-  ORNAMENTAL TREES
-  SHRUBS/ACCENT PLANTS
-  GRASSES



2 SPUR 1966 INTERSECTION
NOT TO SCALE

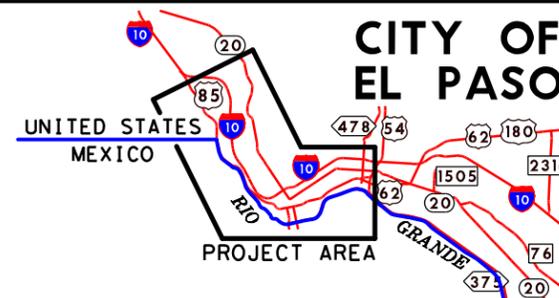


1 SANTA FE ST. INTERSECTION
NOT TO SCALE

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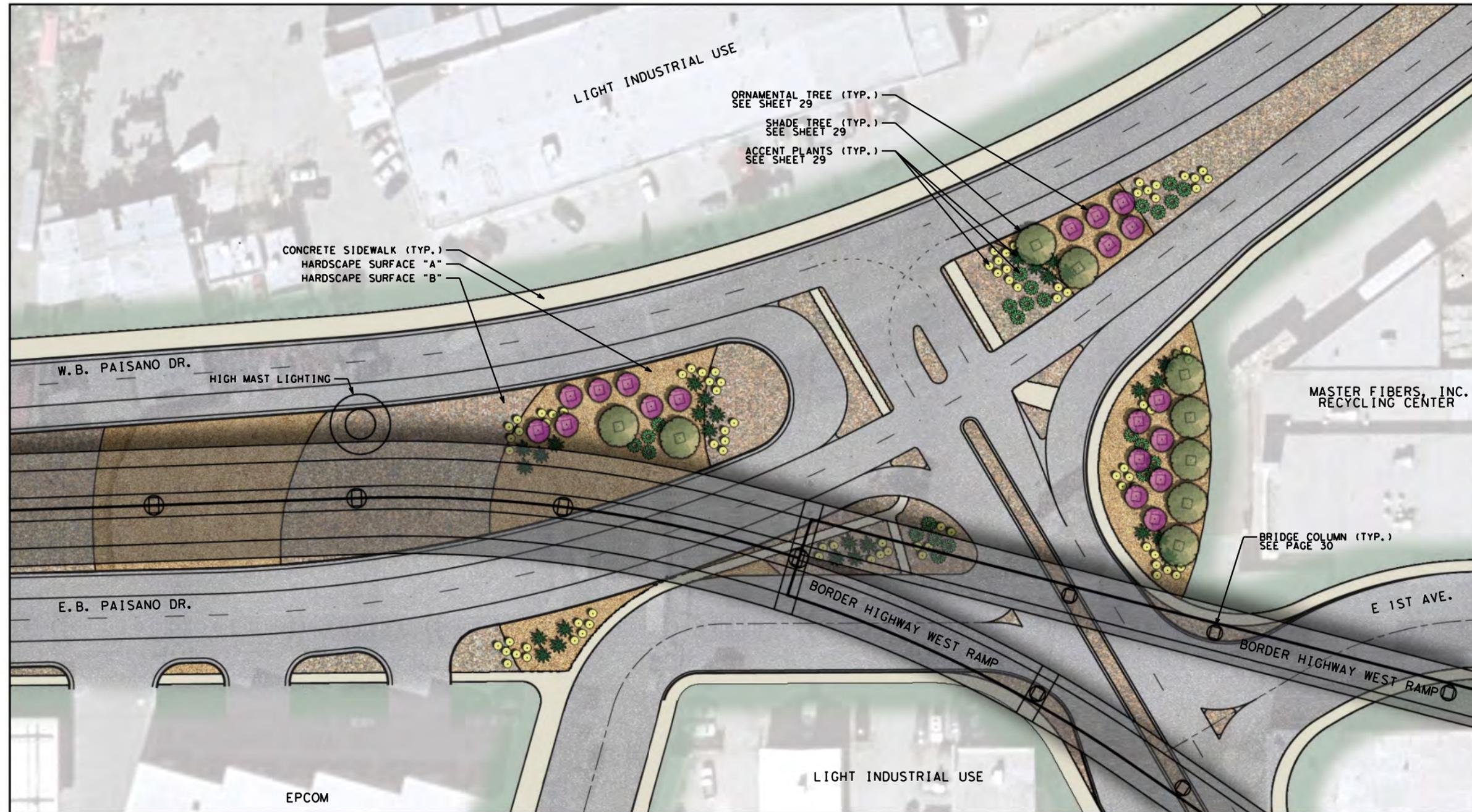
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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
LANDSCAPE ENLARGEMENTS -
SANTA FE ST. & SPUR 1966
TxDOT El Paso District CSJ: 2552-04-027 SHEET 26/49



ORNAMENTAL TREE (TYP.)
SEE SHEET 29
SHADE TREE (TYP.)
SEE SHEET 29
ACCENT PLANTS (TYP.)
SEE SHEET 29

CONCRETE SIDEWALK (TYP.)
HARDSCAPE SURFACE "A"
HARDSCAPE SURFACE "B"

HIGH MAST LIGHTING

MASTER FIBERS, INC.
RECYCLING CENTER

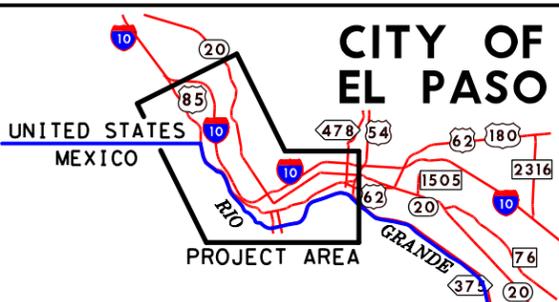
BRIDGE COLUMN (TYP.)
SEE PAGE 30

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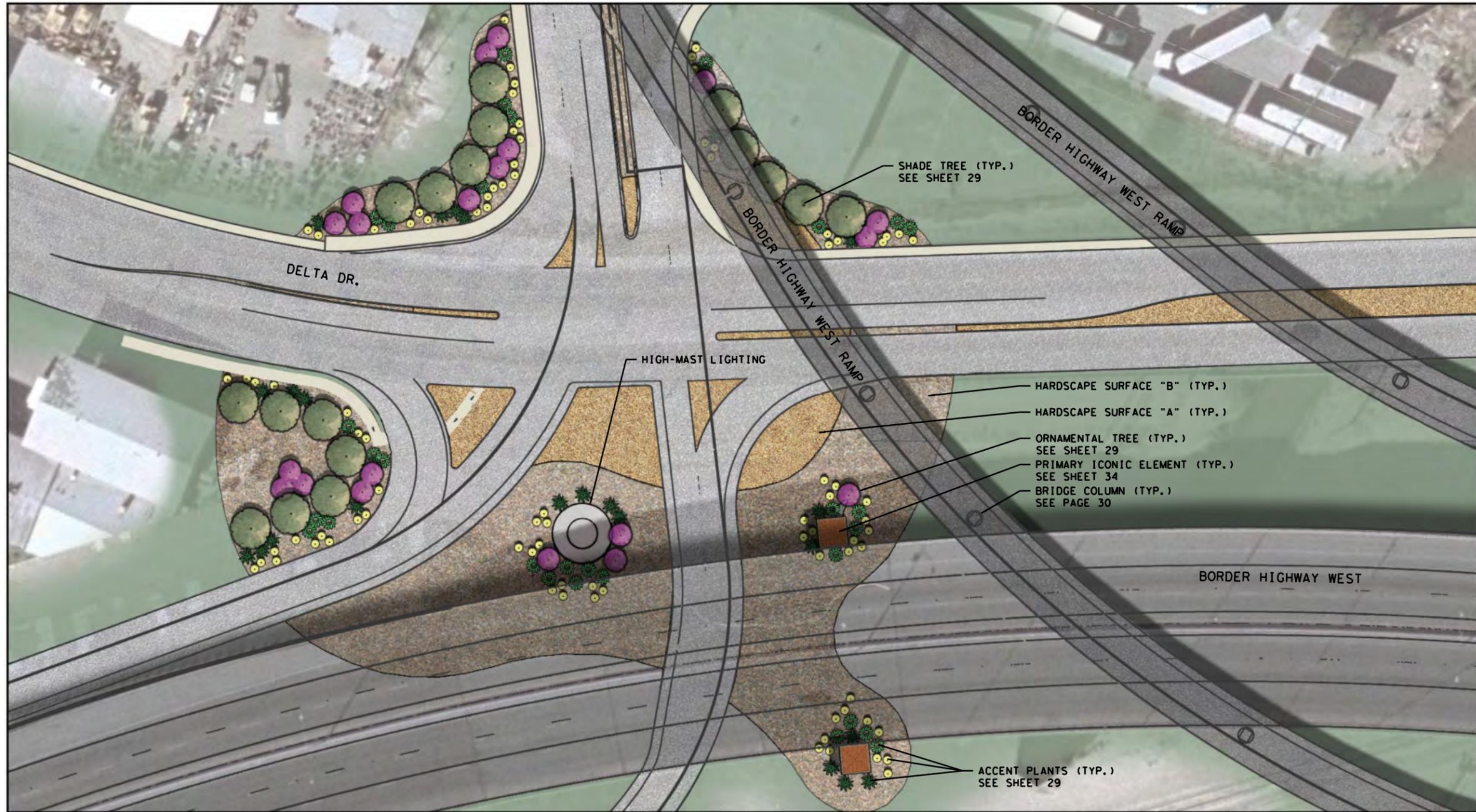
1 PAISANO DR. INTERSECTION
NOT TO SCALE

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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
LANDSCAPE ENLARGEMENTS - PAISANO DR.
TxDOT El Paso District CSJ: 2552-04-027 SHEET 27/49



- SHADE TREES
- ORNAMENTAL TREES
- SHRUBS & ACCENT PLANTS
- GRASSES

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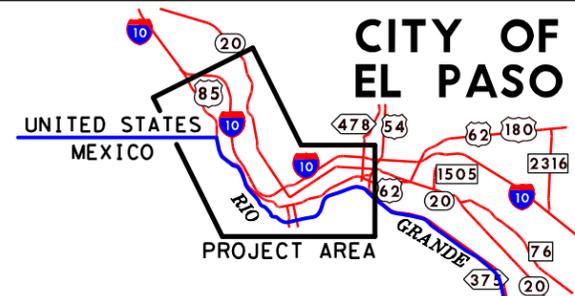
1 DELTA DR. INTERSECTION
NOT TO SCALE

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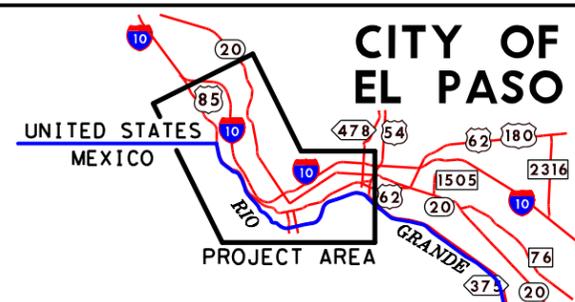
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T&E, FIRM #F-312

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
LANDSCAPE ENLARGEMENTS - EAST DELTA DR.
TxDOT El Paso District CSJ: 2552-04-027 SHEET 28/49

COMMON NAME	BOTANICAL NAME	WATER USE			LOCATION		SOIL TOLERANCE			FOLIAGE		LIGHT NEEDS		OTHER COMMENTS
		LOW	MED	HIGH	PONDS	INTERSECTIONS	SAND	CLAY	LOAM	EVERGREEN	DECIDUOUS	SUN	SHADE	
ORNAMENTAL & SHADE TREES:														
VALLEY OAK	QUERCUS LOBATA			X	X	X			X		X			PLANT IN AREAS WITH HIGH WATER TABLE
MONTEZUMA CYPRESS	TAXODIUM MUCRONATUM	X	X	X	X		X	X	X	X				SEMI-EVERGREEN, ALSO TOLERATES WET SOILS
SHOESTRING ACACIA	ACACIA STENOPHYLLA	X				X	X	X	X		X			SPECIMEN TREE, WEEPING GROWTH HABIT
EASTERN RED CEDAR	JUNIPERUS VIRGINIANA		X		X		X	X	X	X				GOOD FOR SCREENING
TEXAS PISTACHE	PISTACIA TEXENSIS		X		X	X	X	X			X			NICE FALL COLOR, WELL-DRAINED SOILS
HONEY MESQUITE	PROSOPIS GLANDULOSA	X			X		X	X	X		X			VAR. TORREYANA,
CATCLAW ACACIA	ACACIA GREGGII	X			X		X			X		X		PLANT IN AREAS WITH HIGH WATER TABLE
MEXICAN RED BUD	CERCIS CANADENSIS	X				X	X			X	X	X		ACCENT TREE (TRANSPICOS), VAR MEXICANA
DESERT WILLOW	CHILOPSIS LINEARIS	X	X		X	X		X		X	X	X		WELL DRAINED SOILS
PALO VERDE	PARKINSONIA ACULEATA	X			X		X	X	X	X		X		RECOMMEND PARKINSONIA ACULEATA.
LANCE-LEAF SUMAC	RHUS LANCEOLATA	X				X		X					X	PREFERS RICH SOILS
CHASTE TREE	VITEX AGNUS-CASTUS	X	X		X	X	X	X		X	X			ALKALINE SOILS
FRAGRANT ASH	FRAXINUS CUSPIDATA	X				X	X	X	X		X			SMALL TREE
PEACH LEAF WILLOW	SALIX AMYGDALOIDES	X	X	X	X		X	X	X		X			PLANT IN AREAS WITH HIGH WATER TABLE
TEXAS PERSIMON	DIOSPYROS TEXANA	X				X	X	X	X	X		X	X	ACCENT TREE
LITTLE WALNUT	JUGLANS MACROCARPA		X		X		X	X		X	X	X		PLANT IN AREAS WITH HIGH WATER TABLE
LACEY OAK	QUERCUS LACEYI	X	X		X			X		X	X			ROCKY SOIL & HIGH PH TOLERANT
VASEY OAK	QUERCUS VASEYANA	X	X		X	X	X	X		X	X			WELL DRAINED SOILS
HUISACHE	ACACIA FARNESIANA	X			X		X	X	X	X	X	X		RECOMMEND ACACIA MINUATA
GOLDENBALL LEAD TREE	LEUCAENA RETUSA	X				X		X		X	X			WELL DRAINED SOILS
MEXICAN BUCKEYE	UNGNADIA SPECIOSA	X	X	X	X	X	X			X	X	X		SMALL TREE EL PASO NATIVE
ARIZONA CYPRESS	CUPRESSUS ARIZONICA		X		X		X		X	X				NATIVE TO BIG BEND, MEXICO AND SE ARIZONA
MONDEL PINE	PINUS ELДАРICA		X		X		X		X	X		X		EVERGREEN SCREEN, FAST GROWING
GRASSES:														
BUFFALOGRASS	BOUTELOUA DACTYLOIDES	X			X	X		X	X		X	X		DRY AREAS ONLY, WELL DRAINED CLAY ONLY
INDIAN RICE GRASS	ORYZOPSIS HYMENDOIDES	X	X		X		X	X	X		X	X	X	PLANT IN AREAS WITH HIGH WATER TABLE
SWITCH GRASS	PANICUM VIRGATUM	X	X	X	X		X	X	X		X			ADPATABLE TO MOST CONDITIONS
LITTLE BLUE STEM	SCHIZACHYRIUM SCOPARIUM	X	X		X	X	X	X		X	X	X		ADPATABLE TO MOST CONDITIONS
HYBRID BERMUDA GRASS	CYNODON DACTYLON	X	X	X	X	X	X	X		X	X			TURF AREAS, SOD IF ON POND SLOPES
CANE BLUESTEM	BOTHRIOCHLOA BARBINODIS		X	X	X		X	X		X				PREFERS MOIST AREAS
SIDEOATS GRAMA	BOUTELOUA CURTIPENDULA	X			X	X	X	X	X	X		X		DRY AREAS ONLY, MASSINGS
BLUE GRAMA	BOUTELOUA GRACILIS	X	X		X		X			X	X			DRY AREAS ONLY, MASSINGS
HAIRY GRAMA	BOUTELOUA HIRSUTA	X	X		X		X			X	X	X		DRY AREAS ONLY, WELL DRAINED SOILS
TEXAS BEAR GRASS	NOLINA TEXANA	X			X	X	X	X	X		X	X		ACCENT PLANT, TOLERATES LIGHT SHADE
PURPLE MUHLY	MUHLENBERGII CAPILLARIS		X		X	X	X	X		X	X	X		FALL COLOR
SHRUBS & ACCENT PLANTS:														
GUAJILLO	ACACIA BERLANDIERI				X		X		X		X	X		WELL DRAINED SOILS, DRY AREAS
FLAME ACANTHUS	ANISACANTHUS WRIGHTII	X	X		X	X	X	X		X	X			ADAPETED TO MOST SOILS/CONDITIONS
AGARITA	MAHONIA TRIFOLIOLATA	X			X		X	X	X	X	X	X		ALKALINE SOILS
DESERT BIRD OF PARADISE	CEASALPINIA GILLIESII	X	X			X	X	X		X	X			NATURALIZED IN EL PASO, ACIDIC SOILS
TEXAS KIDNEYWOOD	EYSENHARDTIA TEXANA	X	X		X	X	X			X	X	X		PARTIAL SHADE, TOLERATES MOISTURE
YAUPON HOLLY	ILEX VOMITORIA		X	X	X	X	X	X	X		X	X		ADAPETED TO MOST SOILS/CONDITIONS
Texas LANTANA	LAN TANA CAMARA	X	X			X	X	X	X	X	X			VAR. NEW GOLD, ACIDIC SOILS
DESERT ROSEMARY	ROSEMARIUNUS OFFICINALIS	X			X	X	X	X	X	X	X			EL PASO NATIVE, ALKALINE SOILS
AUTUMN SAGE	SALVIA GREGII	X	X		X	X	X	X	X	X	X	X		SEMI-EVERGREEN, ALSO TOLERATES WET SOILS
YELLOW BELLS	TECOMA SANS	X	X	X		X	X	X		X	X			SEMI-EVERGREEN
CENTURY PLANT	AGAVE NEOMEXICANA	X			X		X		X	X	X	X		ALSO A. LECHUGUILLA, ROCKY SOILS OK
GOPHER PLANT	EUPHORBIA RIGIDA	X	X		X	X	X	X	X	X	X			ACCENT PLANT
BUTTONBUSH	CEPHALANTHUS OCCIDENTALIS	X	X	X	X	X	X	X		X	X			TOLERATES MOISTURE
DAMIANITA	CHRYSACTINIA MEXICANA	X	X		X	X	X	X		X	X	X		PARTIAL SHADE OK
APACHE PLUME	FALLUGIA PARADOXA	X			X	X	X		X	X	X			DRY/GRAVELLY SOILS
OCOTILLO	FOUQUIERIA SPLENDENS	X			X	X	X	X	X	X	X			WELL DRAINED SOILS, DRY AREAS
CREOSOTE BUSH	LARREA TRIDENTATA	X			X		X		X	X	X			LOOSE SOILS
CENIZO	LEUCOPHYLLUM FRUSTESCENS	X			X	X	X	X	X	X	X			WELL DRAINED SOILS, DRY AREAS
LITTLE LEAF SUMAC	RHUS MICROPHYLLA	X			X	X	X			X	X			VAR. ENGELM, SLOPE STABILIZATION
DESERT YAUPON	SCHAEFFERIA CUNEIFOLIA	X			X		X	X	X	X	X	X		HEAVY/ROCKY SOILS OK
PURPLE PRICKLY PEAR	OPUNTIA SANTA-RITA	X			X		X	X	X	X	X			DRY AREAS ONLY
BANANA YUCCA	YUCCA BACCATA	X			X	X	X	X	X	X	X			ADAPETED TO MOST SOILS/CONDITIONS
SPANISH DAGGER	YUCCA ALOIFOLIA	X			X	X	X		X	X	X			WELL DRAINED SOILS, DRY AREAS
RED YUCCA	HESPERALOE PARVIFOLIA	X	X		X	X	X	X	X	X	X			RED BLOOMS



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 H. WAYNE COOPER 1286
 NAME R. L. A. NO.
 DECEMBER 19, 2013
 DATE



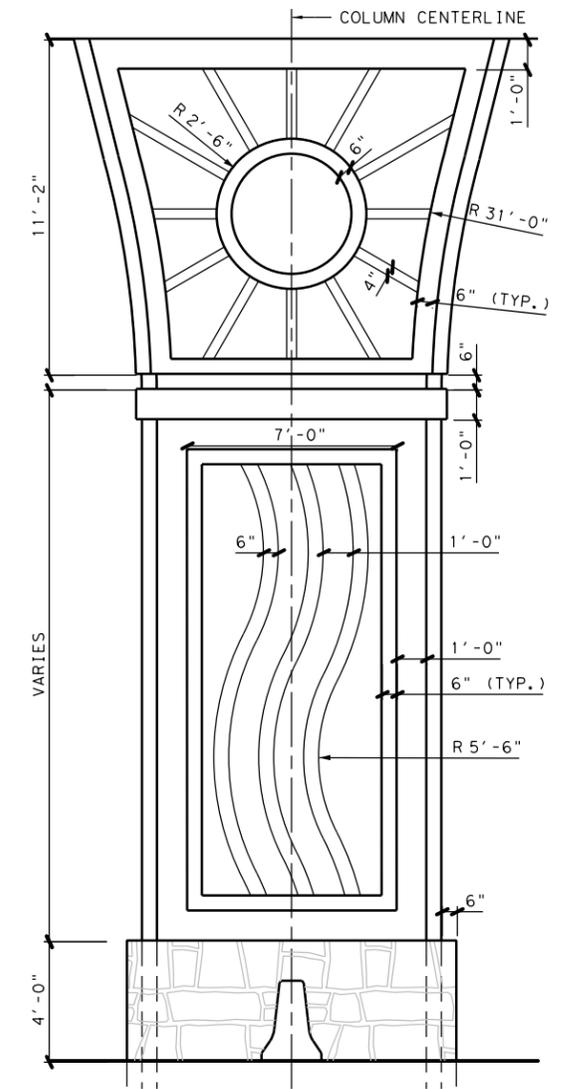
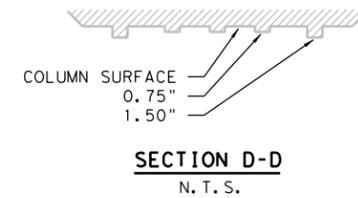
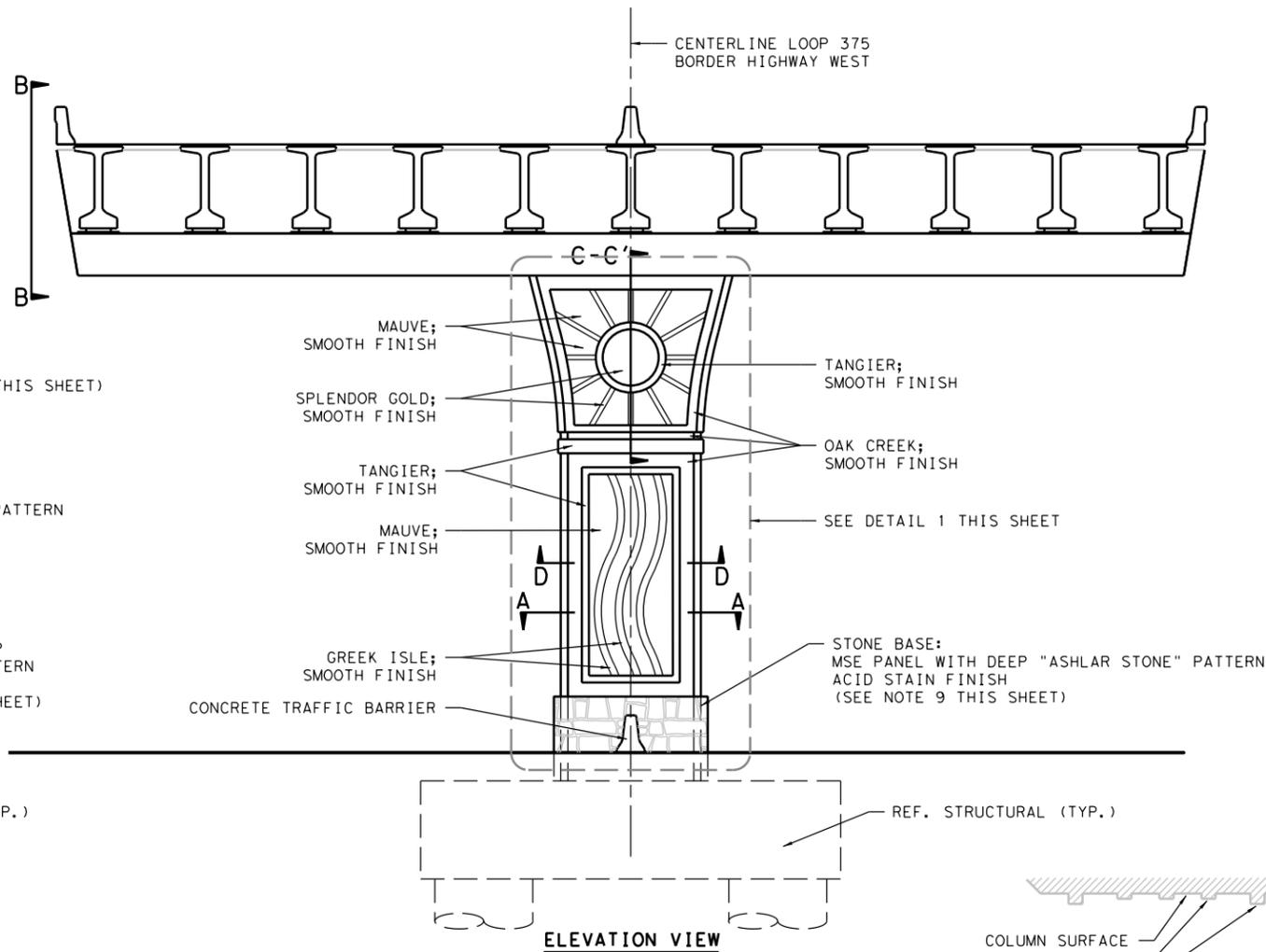
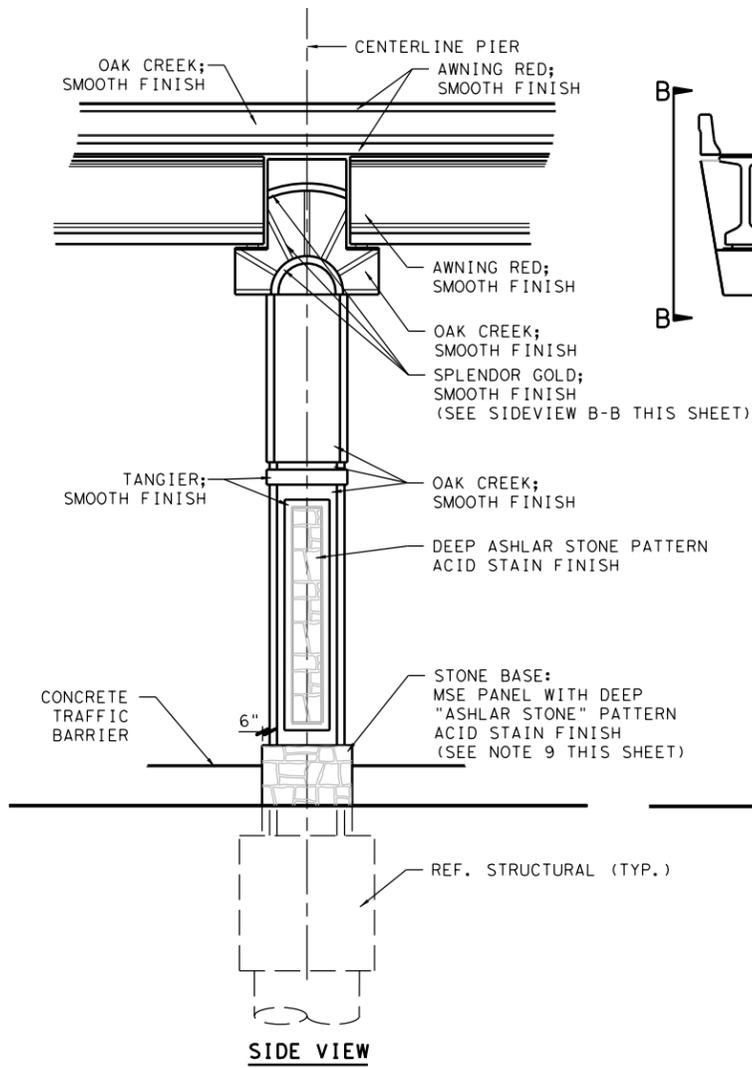
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TRANSPORTATION & INFRASTRUCTURE

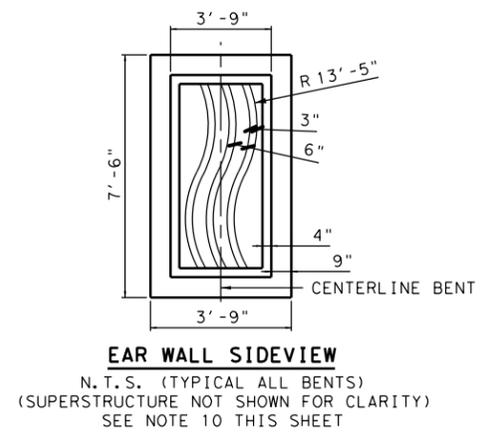
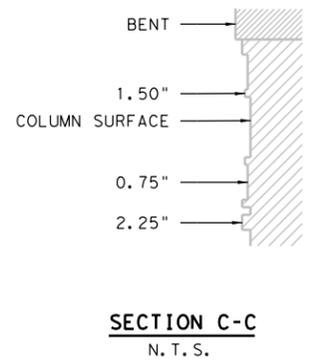
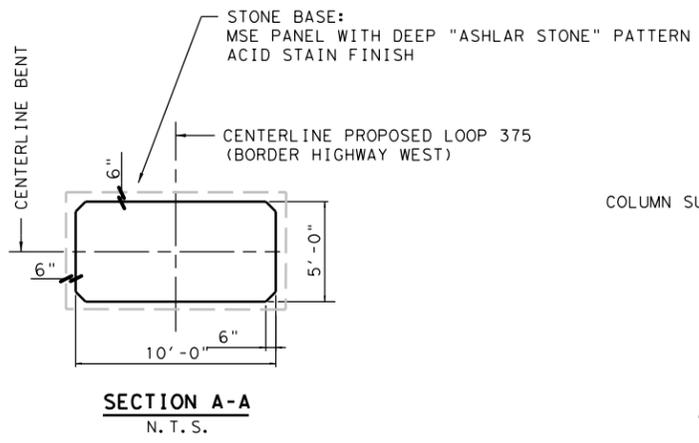
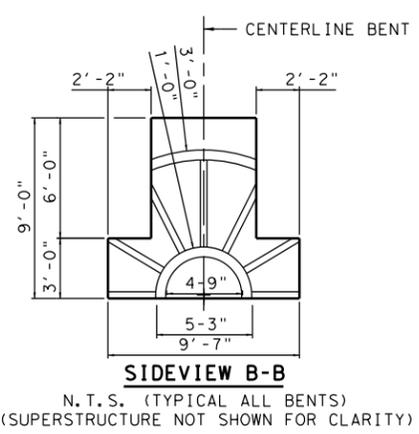
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
PLANT MATRIX

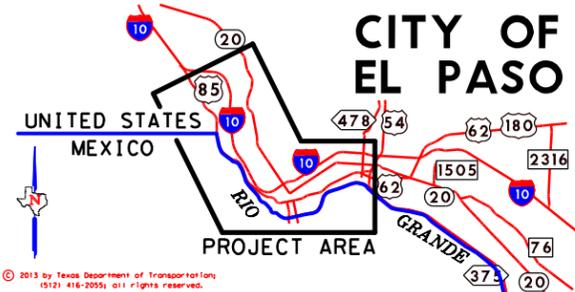
TxDOT El Paso District CSJ: 2552-04-027 SHEET 29/49



- NOTES:**
1. ALL FORMLINERS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
 2. A SAMPLE PANEL SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO USE.
 3. THE SAMPLE PANEL SHALL BE SIZED AS APPROVED BY THE ENGINEER.
 4. PAYMENT FOR THE FORMLINER TREATMENT SHALL BE SUBSIDIARY TO THE CL. C CONCRETE COLUMN BID ITEM.
 5. PAINTS AND FINISHES FOR ALL COLUMNS, BENTS, BENT CAPS AND OUTSIDE FACE OF GIRDERS IS SUBSIDIARY PER EACH PAY ITEM. COLOR/TEXTURE SCHEME PER PLANS.
 6. SEE SHEET 33 FOR ILLUSTRATION OF MULTI-COLUMN BENT.
 7. SEE BENT AND COLUMN DETAIL SHEETS FOR STRUCTURAL DIMENSIONS.
 8. COLUMN DESIGN SHALL BE CONSISTENT FOR ALL MULTI-COLUMN BENTS, REGARDLESS OF QUANTITY OF COLUMNS.
 9. FOR ALL COLUMNS LOCATED WITHIN RETENTION PONDS:
 - * HEIGHT OF STONE BASE SHALL MATCH POND HIGH WATER MARK;
 - * STONE BASES AND ASHLAR STONE SIDE PANELS SHALL BE PAINTED BROWN (FED STD. 30324) IN LIEU OF ACID STAIN FINISH.
 10. EAR WALL CONCEPT FOR RAMP DROP CAP BENTS ONLY
 11. APPLY ANTI-GRAFFITI COATING ON ALL COLUMNS FROM GROUND LEVEL TO 14' HEIGHT MINIMUM.
 12. ELIMINATE PANELS ON FACE, BACK, AND SIDE OF COLUMNS IF BENT IS LESS THAN 33' IN HEIGHT.



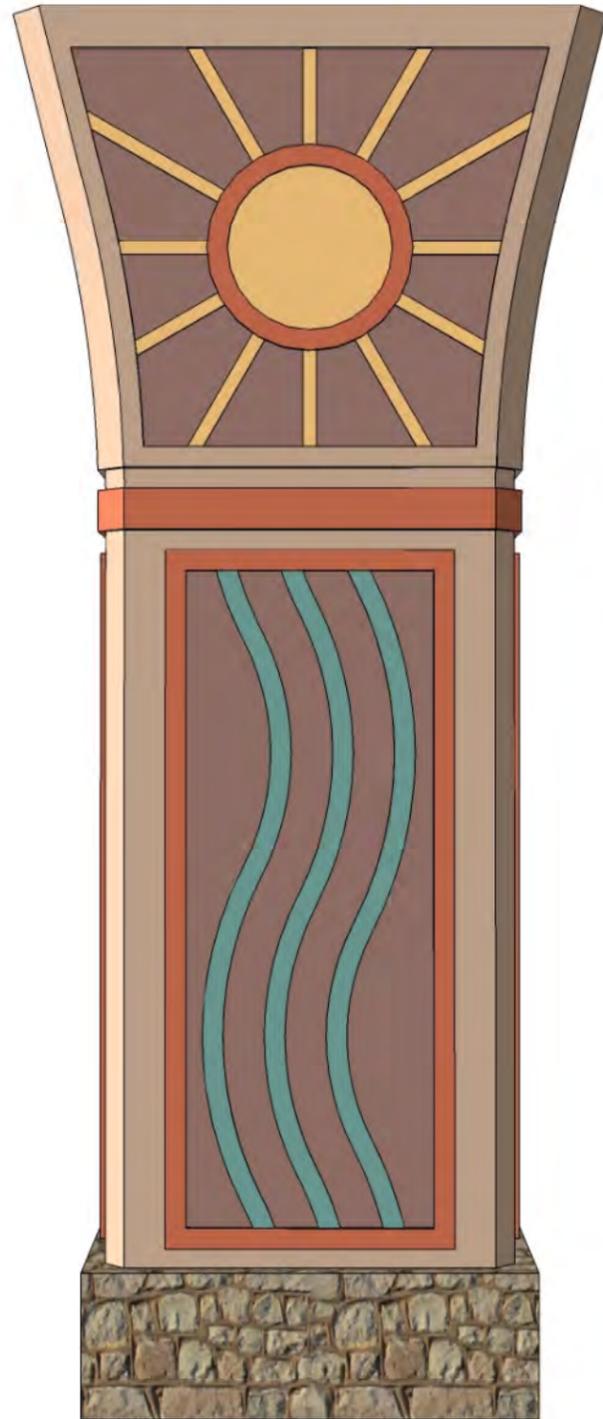
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
TYPICAL BRIDGE COLUMNS
 TxDOT El Paso District CSJ: 2552-04-027 SHEET 30/49

COLUMN PERSPECTIVE
NOT TO SCALE



COLUMN/BENT PERSPECTIVE
NOT TO SCALE



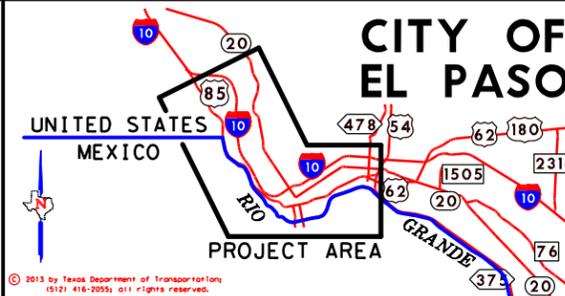
NOTE:
1. SEE SHEET 31 FOR DIMENSIONS AND AESTHETIC TEXTURE/COLOR TREATMENTS OF SINGLE COLUMN BENTS.
2. SEE SHEET 32-33 FOR EXAMPLE OF MULTI-COLUMN BENTS.

PRELIMINARY

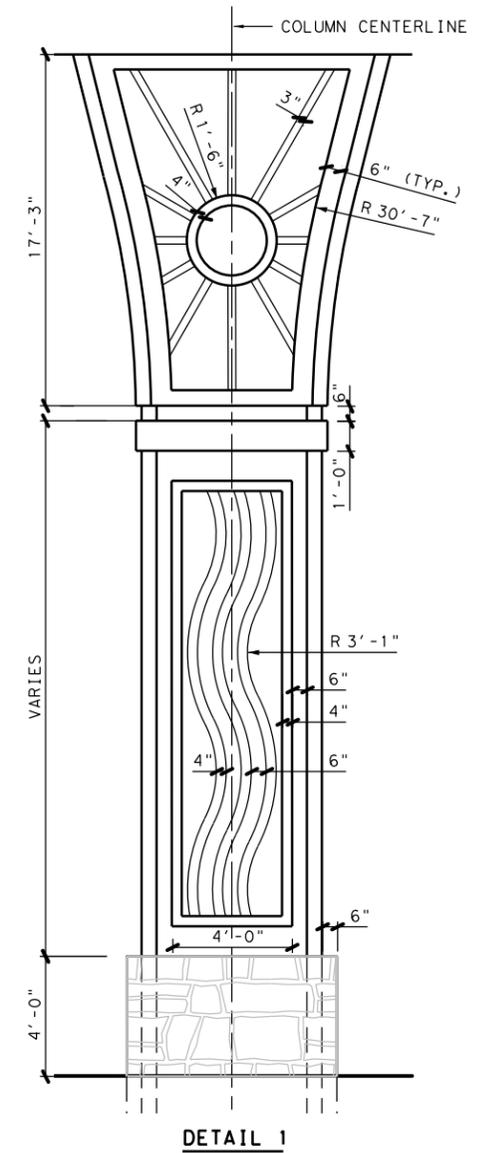
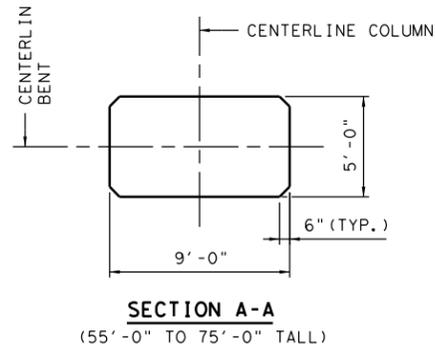
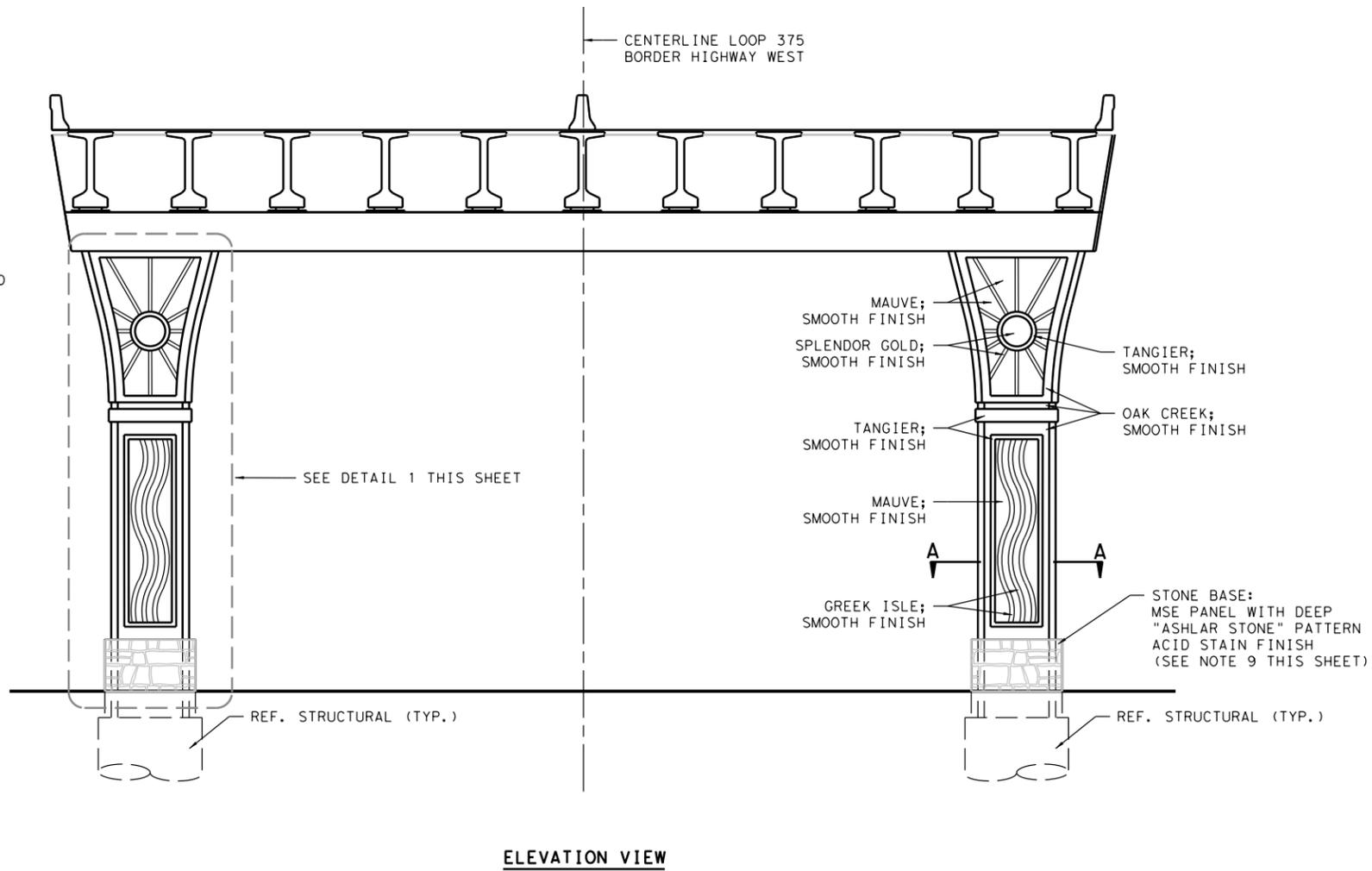
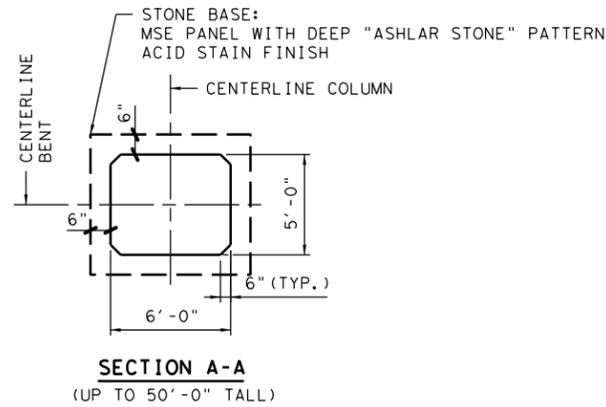
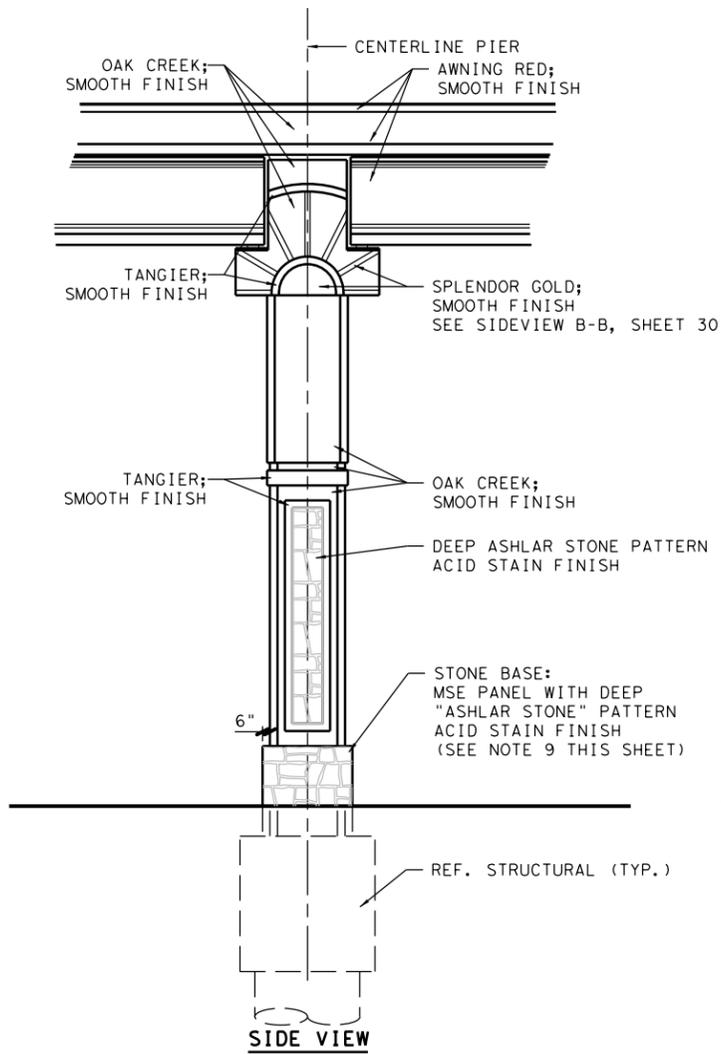
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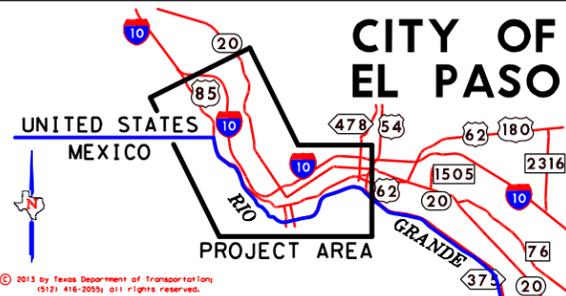


Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
TYPICAL BRIDGE COLUMNS
TxDOT El Paso District CSJ: 2552-04-027 SHEET 31/49



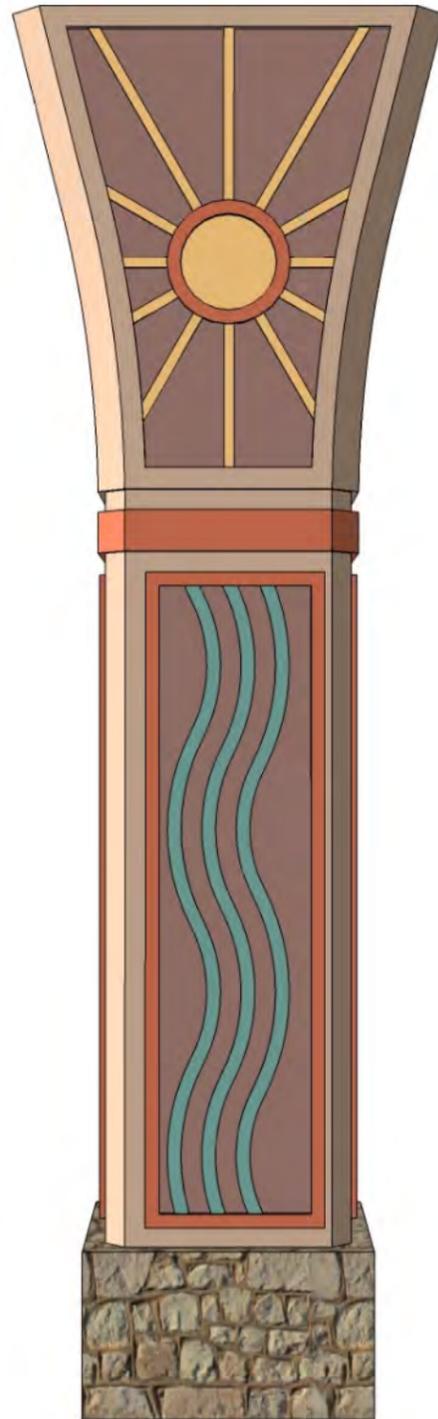
- NOTES:**
1. ALL FORMLINERS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
 2. A SAMPLE PANEL SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO USE.
 3. THE SAMPLE PANEL SHALL BE SIZED AS APPROVED BY THE ENGINEER.
 4. PAYMENT FOR THE FORMLINER TREATMENT SHALL BE SUBSIDIARY TO THE CL. C CONCRETE COLUMN BID ITEM.
 5. PAINTS AND FINISHES FOR ALL COLUMNS, BENTS, BENT CAPS AND OUTSIDE FACE OF GIRDERS IS SUBSIDIARY PER EACH PAY ITEM. COLOR/TEXTURE SCHEME PER PLANS.
 6. SEE SHEET 33 FOR ILLUSTRATION OF MULTI-COLUMN BENT.
 7. SEE BENT AND COLUMN DETAIL SHEETS FOR STRUCTURAL DIMENSIONS.
 8. COLUMN DESIGN SHALL BE CONSISTENT FOR ALL MULTI-COLUMN BENTS, REGARDLESS OF QUANTITY OF COLUMNS.
 9. FOR ALL COLUMNS LOCATED WITHIN RETENTION PONDS:
 * HEIGHT OF STONE BASE SHALL MATCH POND HIGH WATER MARK;
 * STONE BASES AND ASHLAR STONE SIDE PANELS SHALL BE PAINTED BROWN (FED STD. 30324) IN LIEU OF ACID STAIN FINISH.
 10. APPLY ANTI-GRAFFITI COATING ON ALL COLUMNS FROM GROUND LEVEL TO 14' HEIGHT MINIMUM.
 11. SEE EAR WALL SECTION SHEET 30 FOR EAR WALL TREATMENTS. EAR WALL CONCEPT FOR RAMP DROP CAP BENTS ONLY.
 12. SEE SIDEVIEW B-B SHEET 30 FOR DIMENSIONS OF BENT CAP DETAIL.
 12. ELIMINATE PANELS ON FACE, BACK, AND SIDE OF COLUMNS IF BENT IS LESS THAN 33' IN HEIGHT.

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 DECEMBER 19, 2013
 DATE



Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
TYPICAL BRIDGE COLUMNS

COLUMN PERSPECTIVE
NOT TO SCALE



COLUMN/BENT PERSPECTIVE
NOT TO SCALE



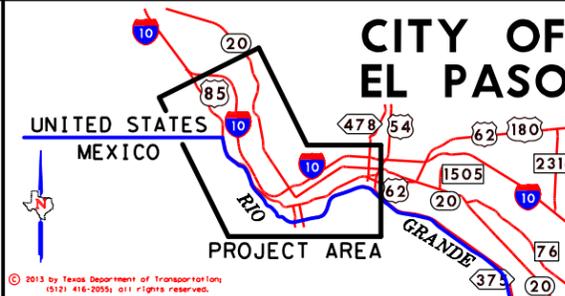
NOTE:
1. SEE SHEET 32 FOR AESTHETIC TEXTURE/COLOR TREATMENTS AND MULTI-COLUMN DIMENSIONS.
2. SEE SHEET 30-31 FOR EXAMPLE OF SINGLE-COLUMN BENTS.

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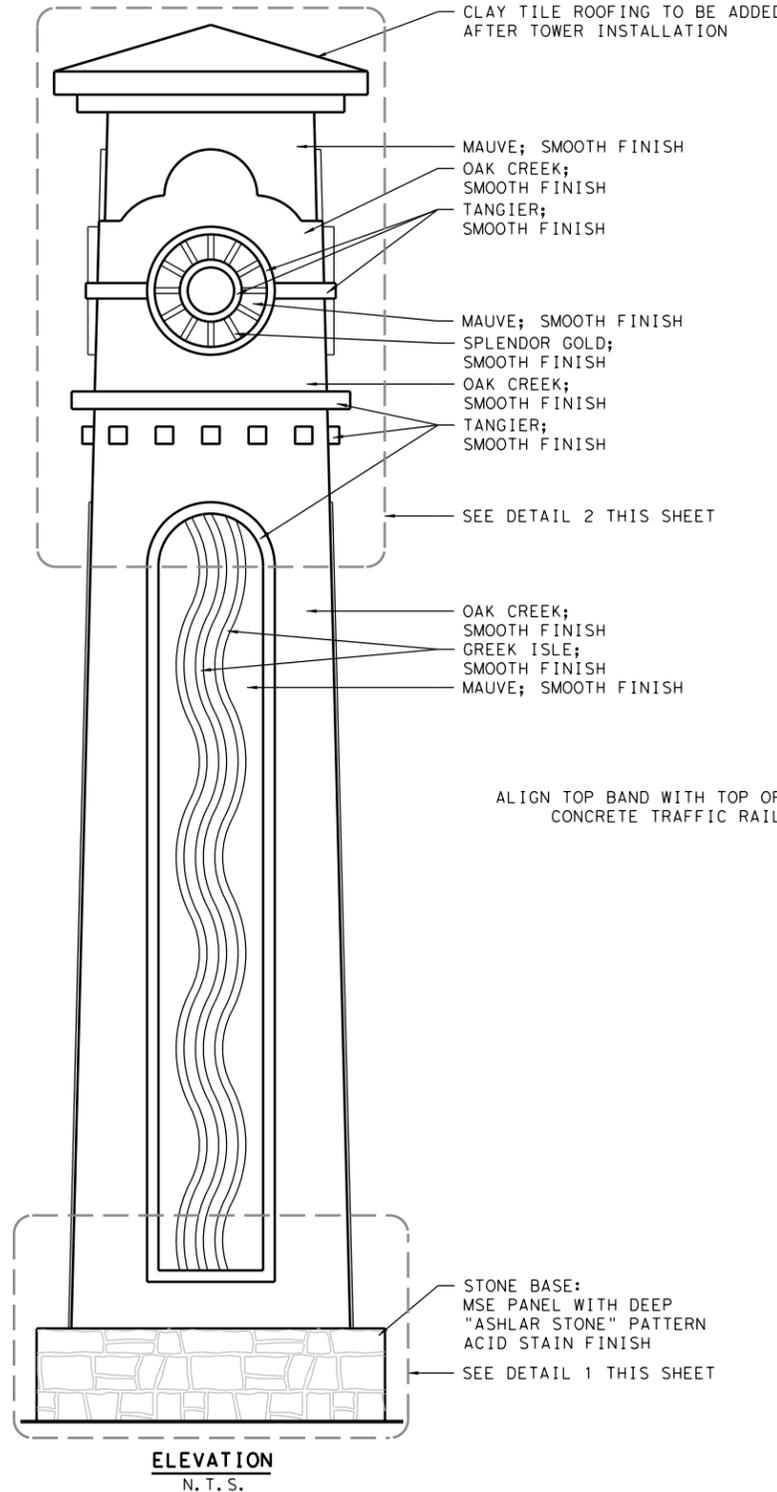
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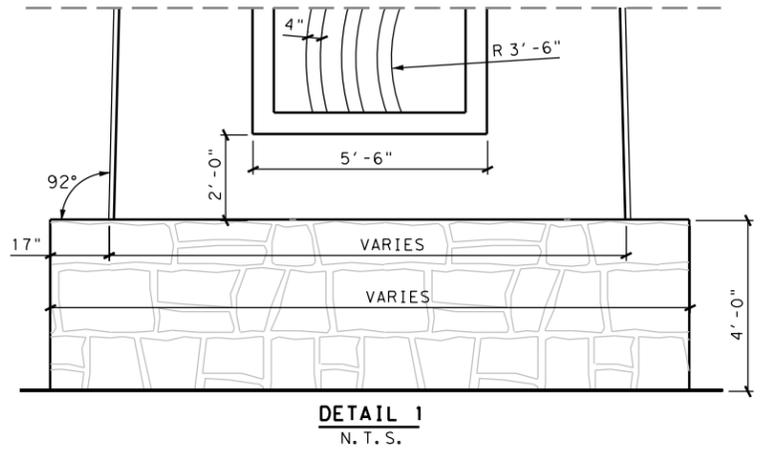
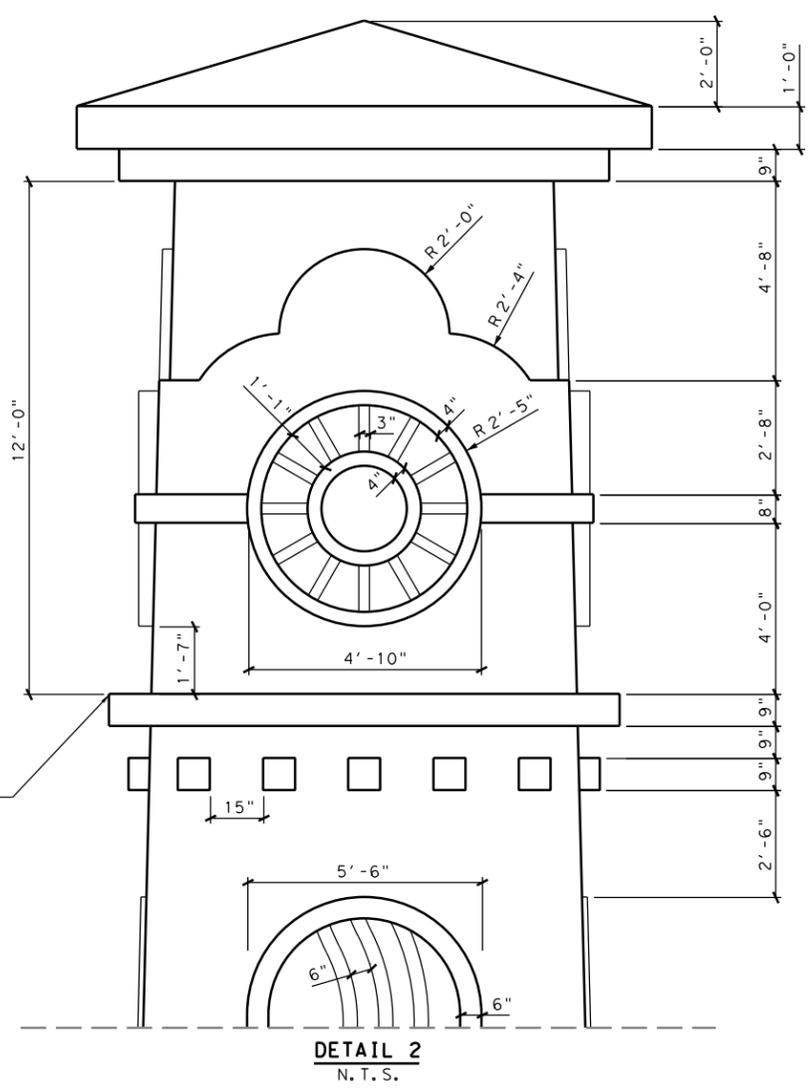


PRELIMINARY
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TYPE: FIRM #P-312

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
TYPICAL BRIDGE COLUMNS



ALIGN TOP BAND WITH TOP OF CONCRETE TRAFFIC RAIL

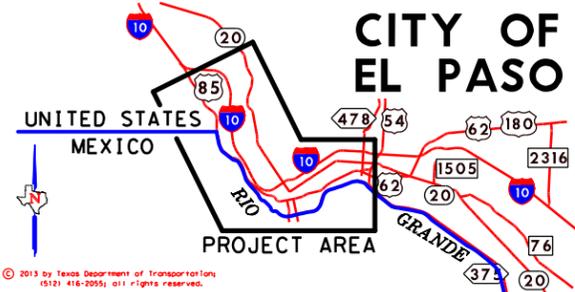


- NOTES:
1. PROTRUSIONS OF AESTHETIC ELEMENTS SHALL BE CONSISTENT WITH INFORMATION AS SHOWN ON SHEETS 30-33.
 2. SEE SHEET 35 FOR ILLUSTRATION OF PRIMARY ICONIC ELEMENT.
 3. SEE SHEET 36-37 FOR SECONDARY ICONIC ELEMENT INFORMATION.
 4. LED ACCENT LIGHTING SHALL BE PROVIDED ON ALL PRIMARY AND SECONDARY ICONIC ELEMENTS.
 5. APPLY ANTI-GRAFFITI COATING ON ALL ICONIC ELEMENTS FROM GROUND LEVEL TO 14' HEIGHT MINIMUM.

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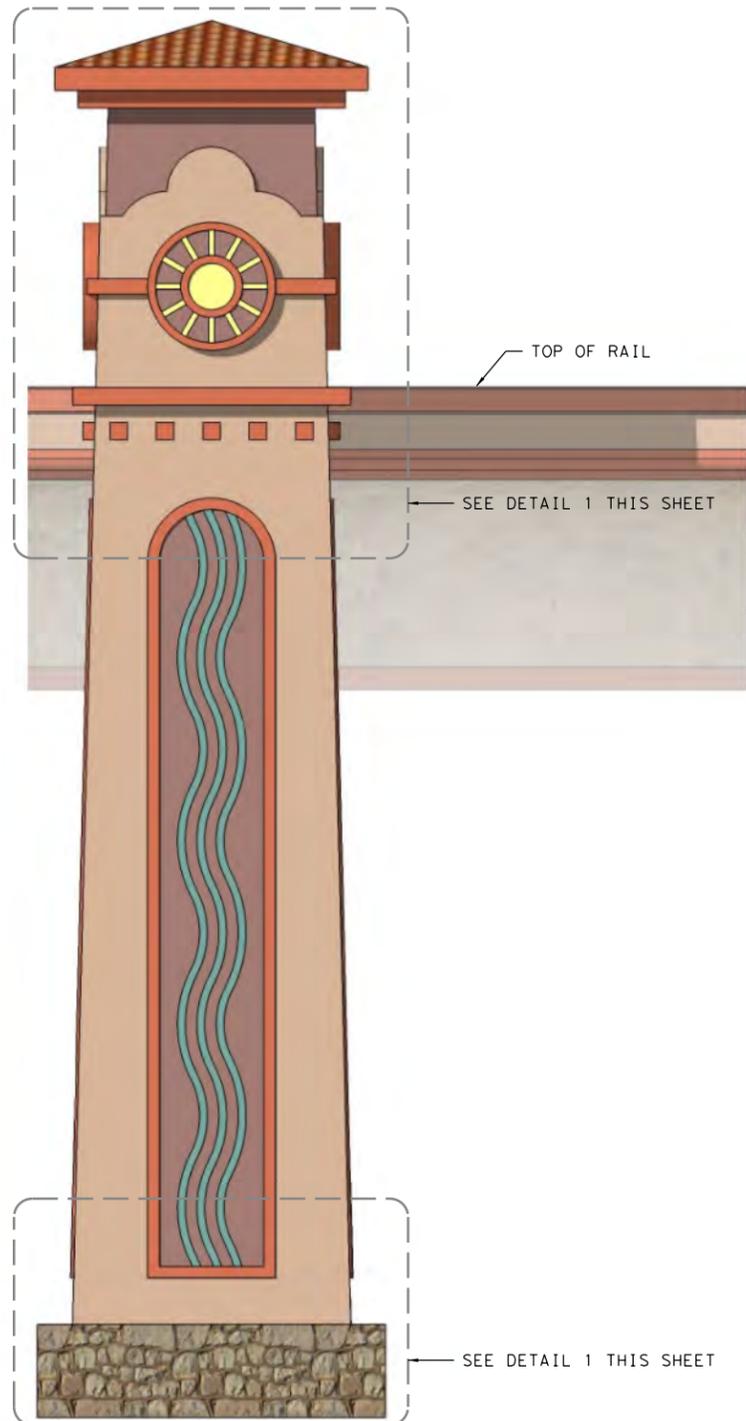


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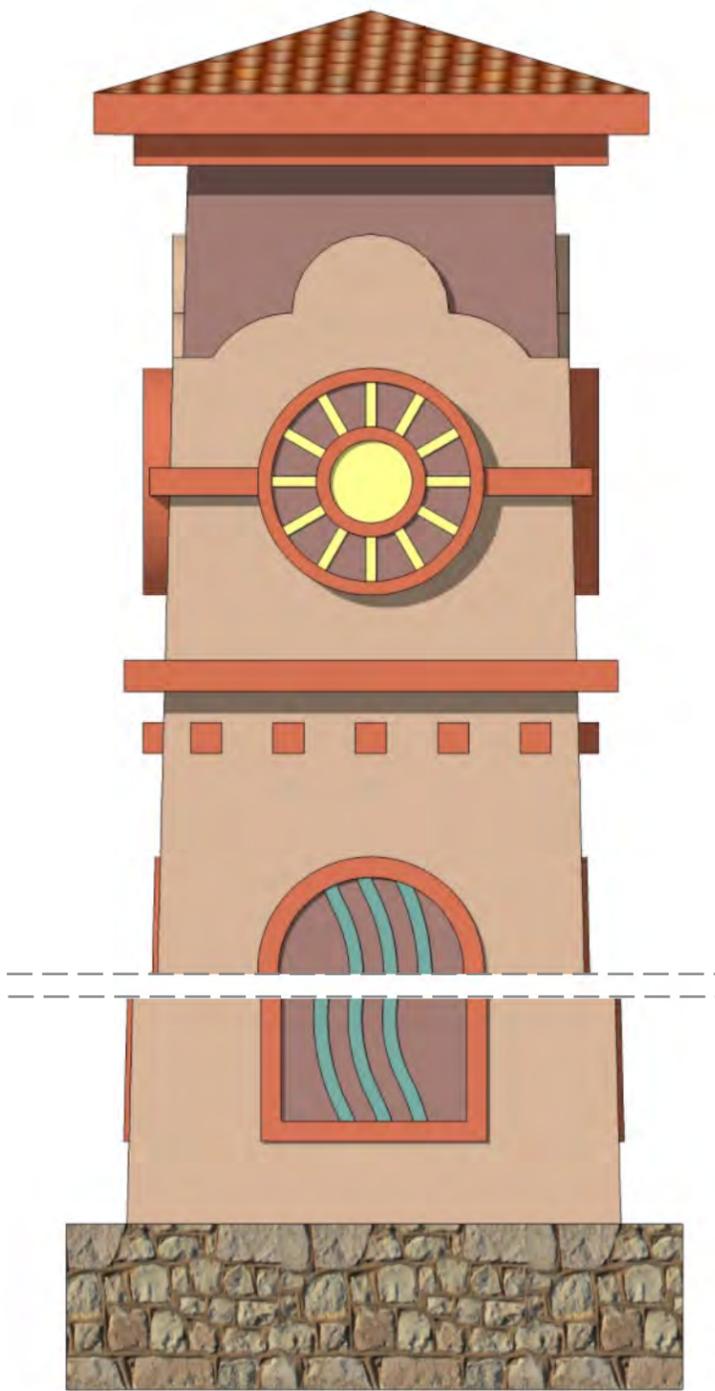
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TSPE, FIRM #P-312

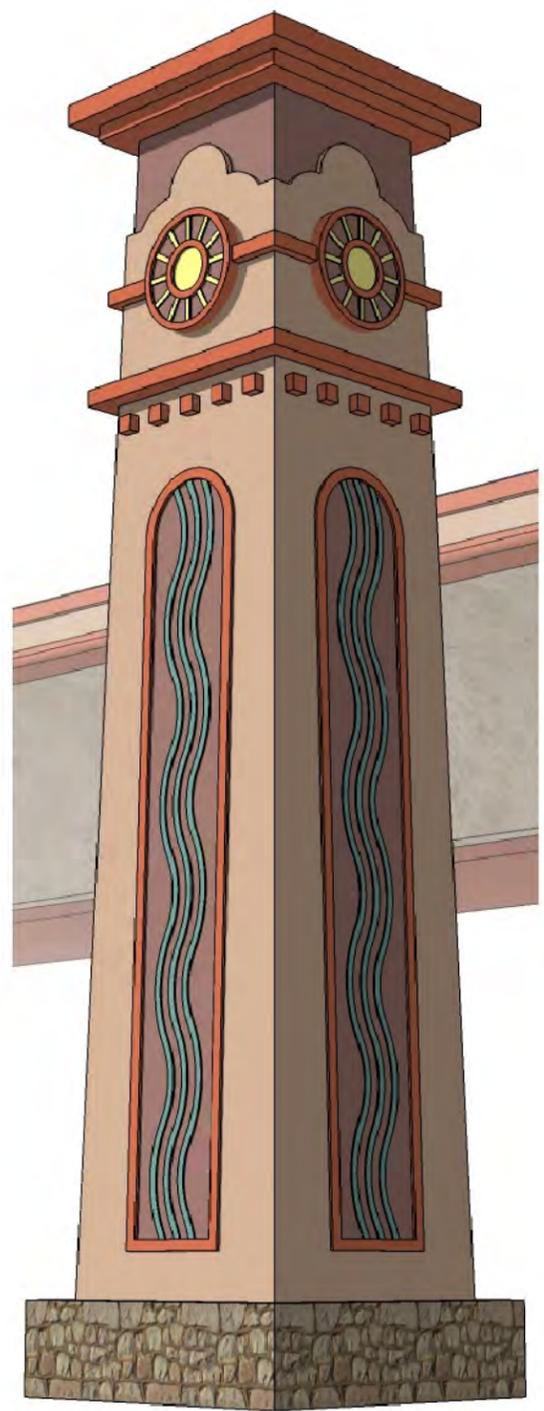
Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
PRIMARY ICONIC ELEMENT



ELEVATION
N. T. S.



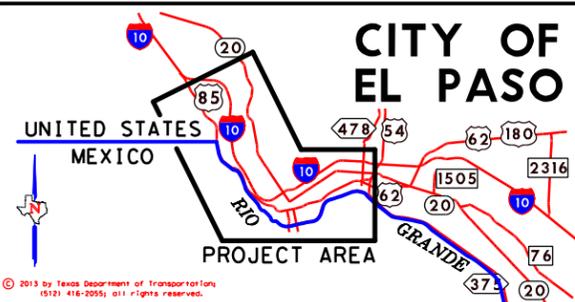
DETAIL 1
N. T. S.



PERSPECTIVE
N. T. S.

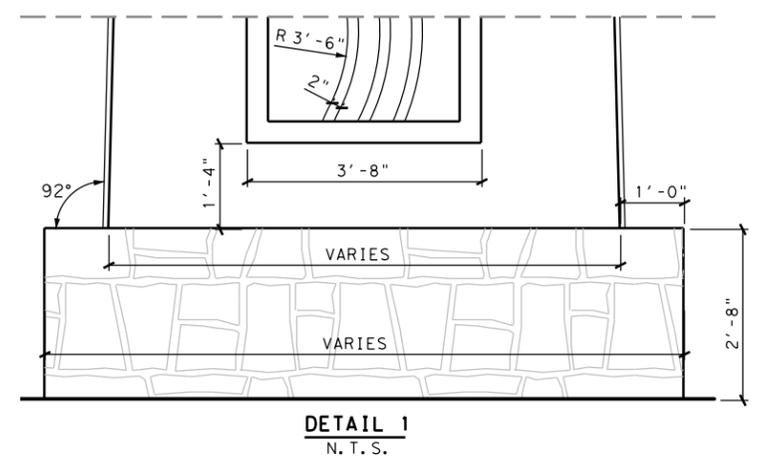
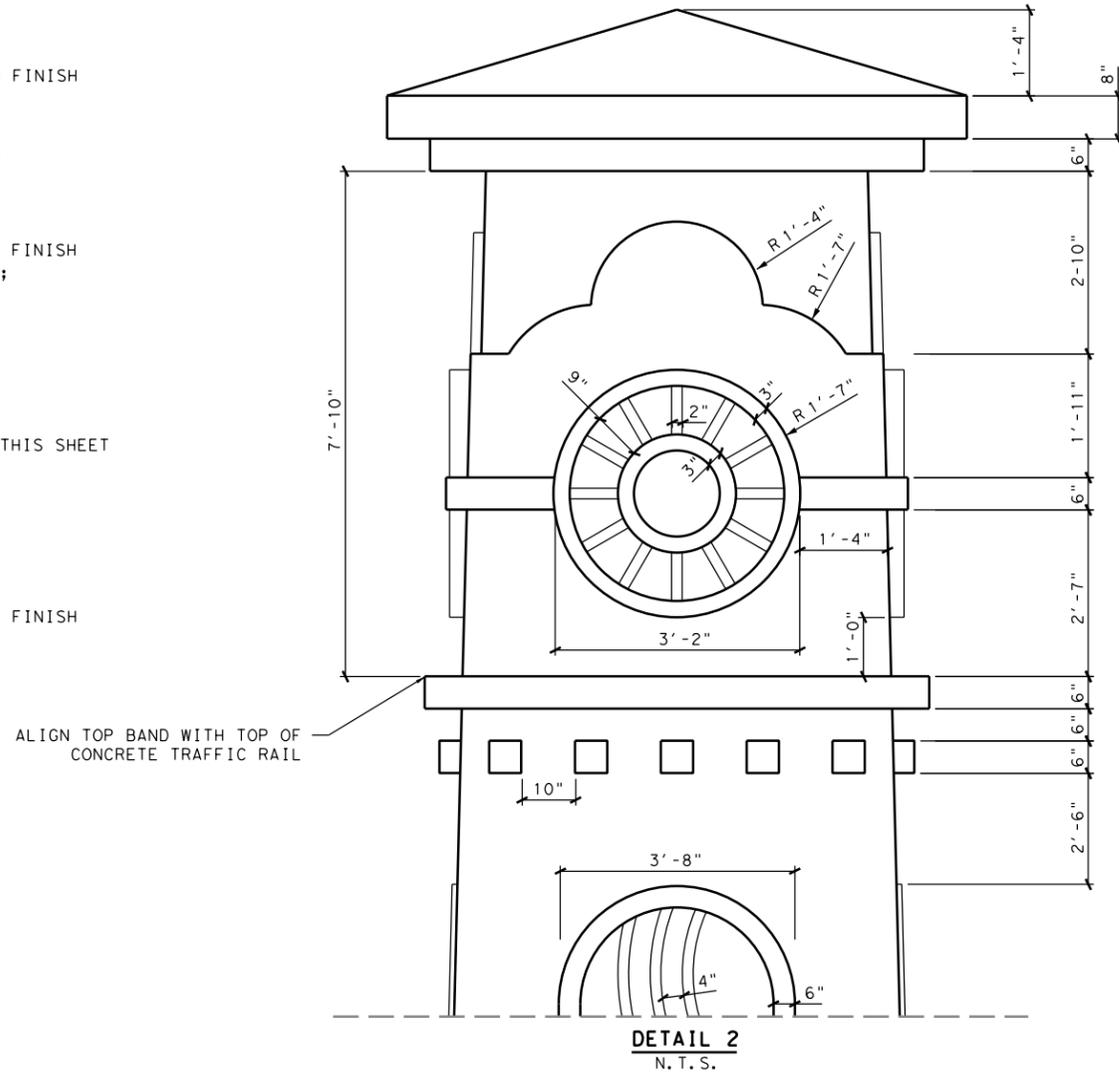
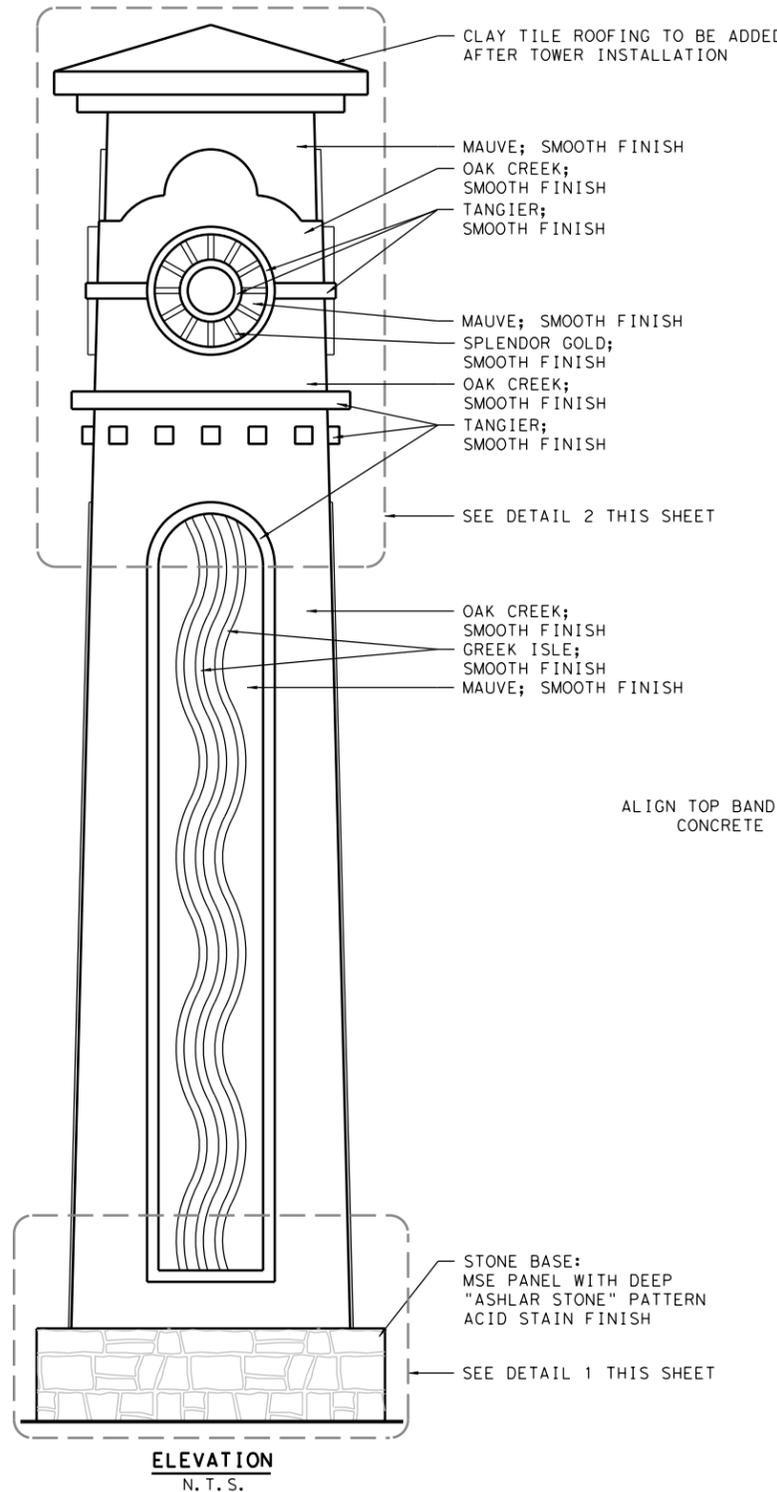
NOTE:
 1. SEE SHEET 34 FOR DIMENSIONS AND AESTHETIC TEXTURE/COLOR TREATMENTS OF PRIMARY ICONIC ELEMENTS.
 2. SEE SHEETS 36-36 FOR EXAMPLE OF SECONDARY ICONIC ELEMENT.

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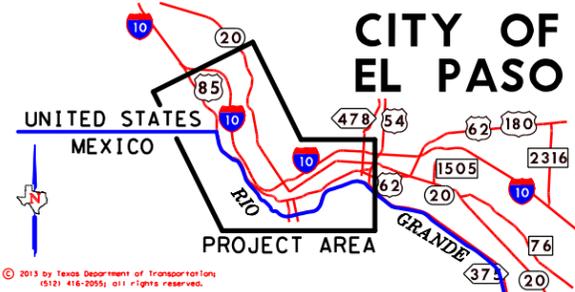
Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
PRIMARY ICONIC ELEMENT



- NOTES:
1. PROTRUSIONS OF AESTHETIC ELEMENTS SHALL BE CONSISTENT WITH INFORMATION AS SHOWN ON SHEETS 30-33.
 2. SEE SHEET 37 FOR ILLUSTRATION OF SECONDARY ICONIC ELEMENT.
 3. SEE SHEET 34-35 FOR PRIMARY ICONIC ELEMENT INFORMATION.
 4. LED ACCENT LIGHTING SHALL BE PROVIDED ON ALL PRIMARY AND SECONDARY ICONIC ELEMENTS.
 5. APPLY ANTI-GRAFFITI COATING ON ALL ICONIC ELEMENTS FROM GROUND LEVEL TO 14' HEIGHT MINIMUM.

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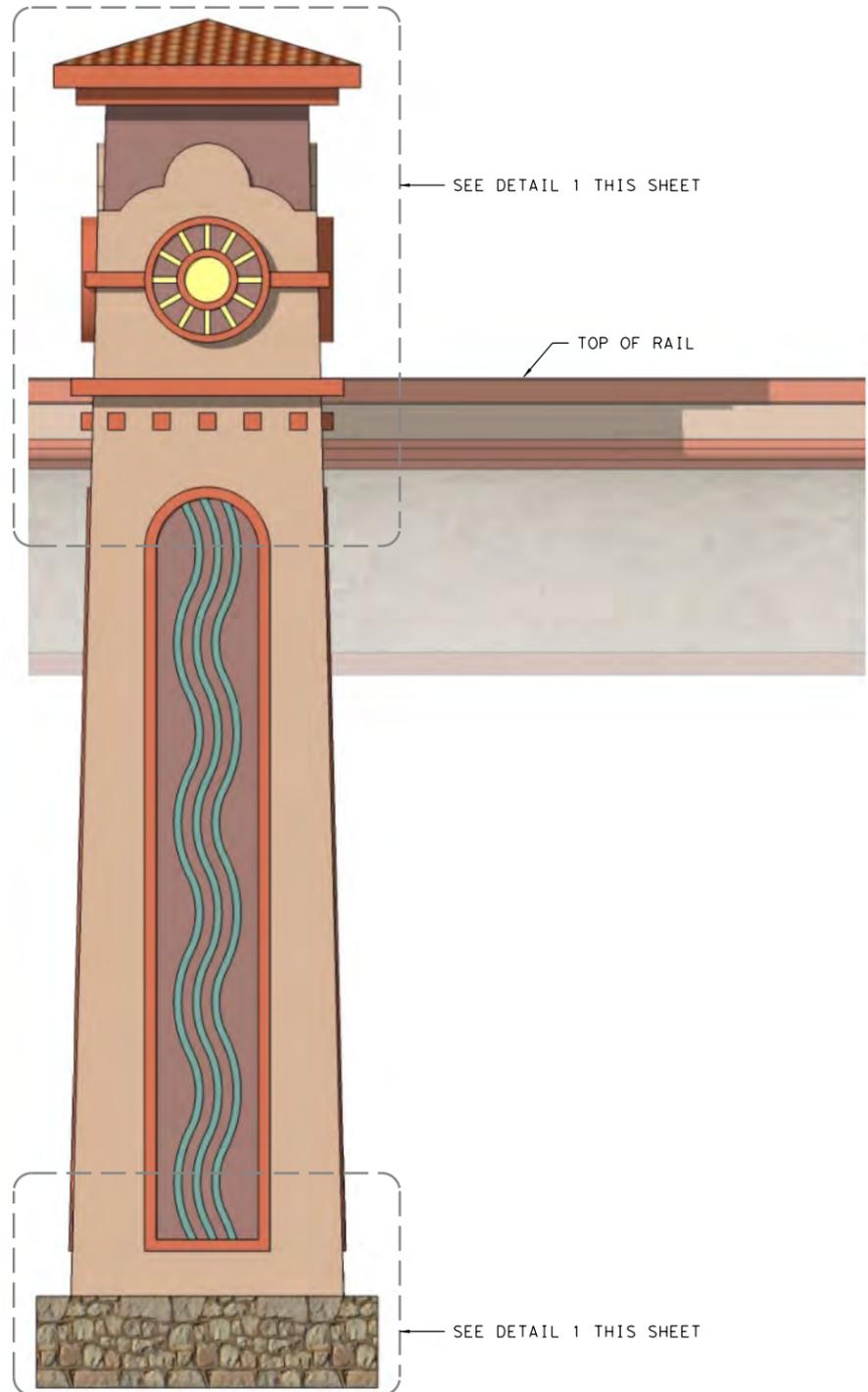
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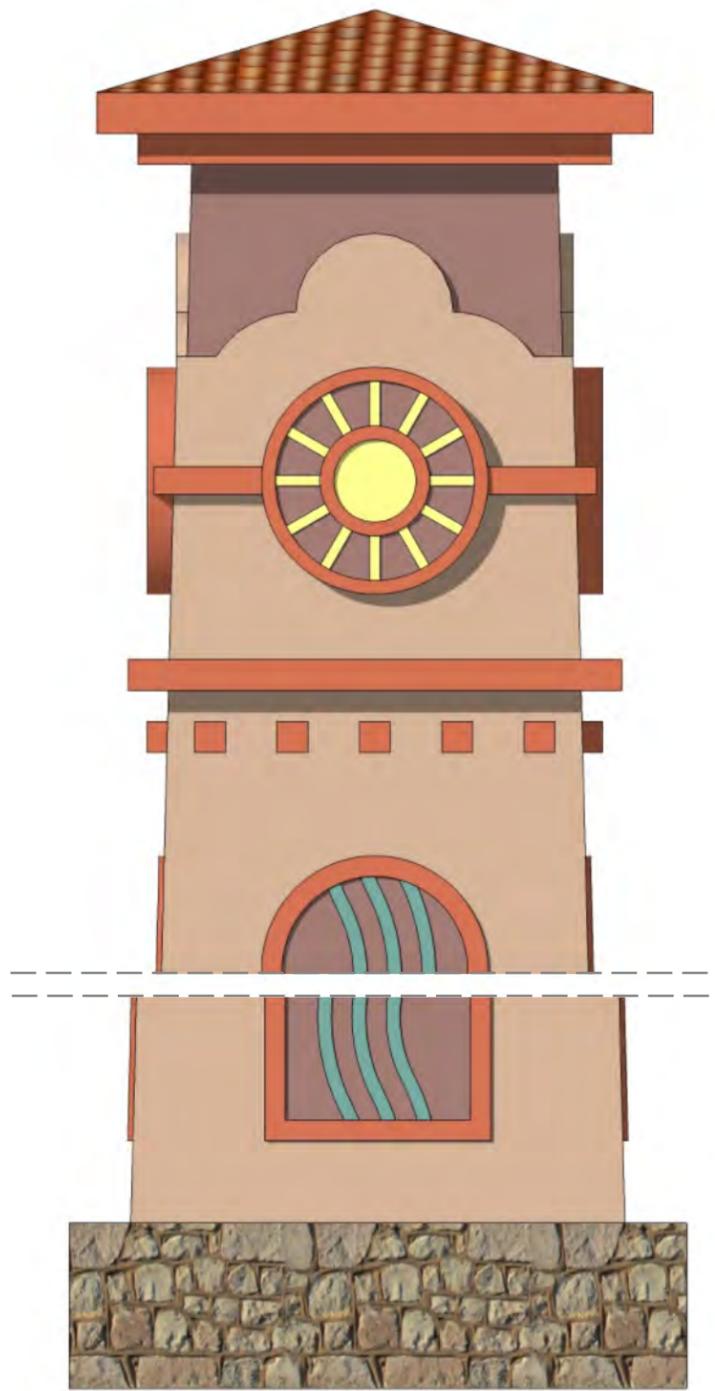
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TSPE, FIRM #P-312

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
SECONDARY ICONIC ELEMENT

TxDOT El Paso District CSJ: 2552-04-027 SHEET 36/49



ELEVATION
N. T. S.



DETAIL 1
N. T. S.



PERSPECTIVE
N. T. S.

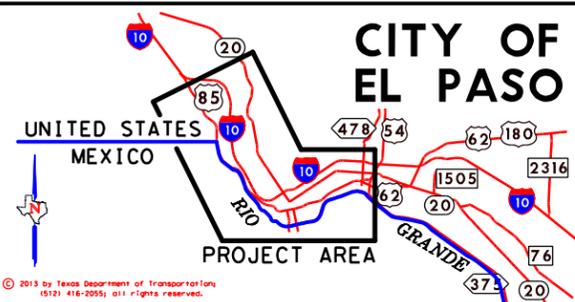
NOTE:
 1. SEE SHEET 36 FOR DIMENSIONS AND AESTHETIC TEXTURE/COLOR TREATMENTS OF SECONDARY ICONIC ELEMENTS.
 2. SEE SHEETS 34-35 FOR EXAMPLE OF PRIMARY ICONIC ELEMENT.

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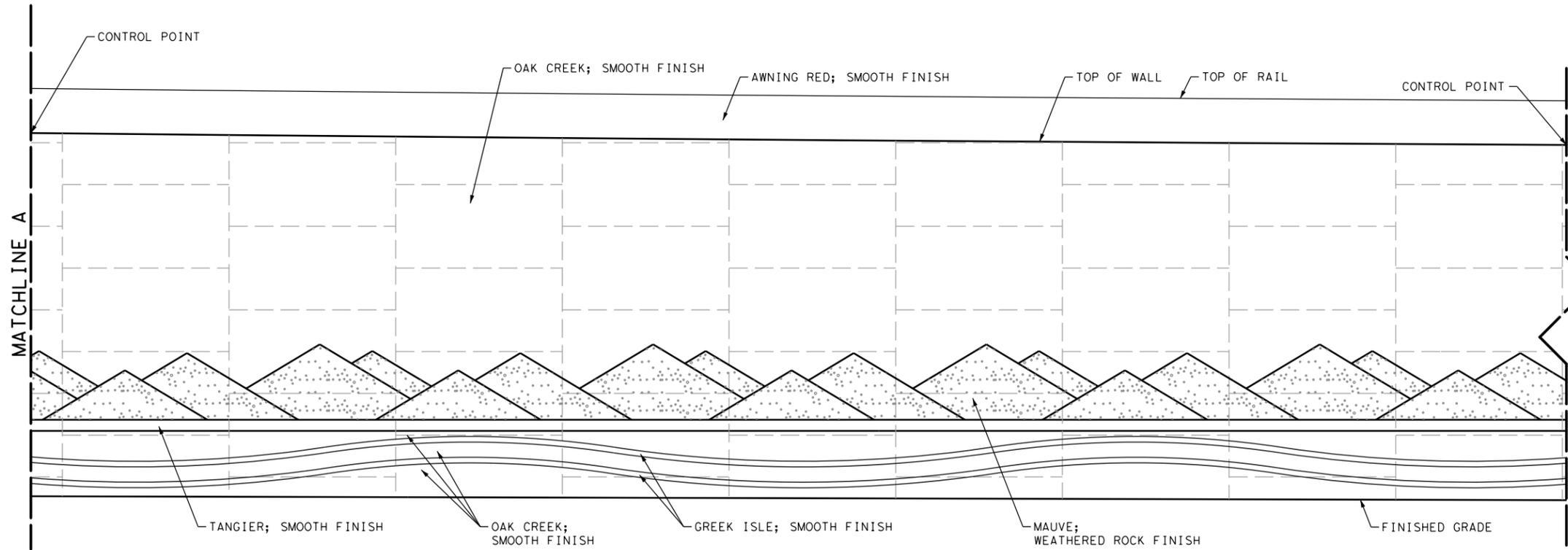
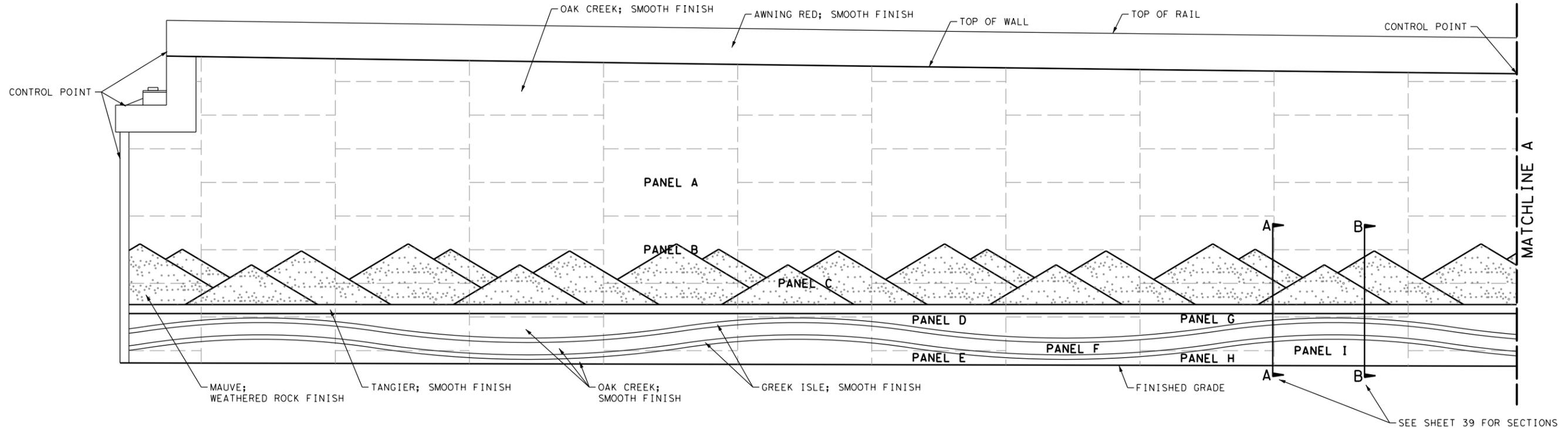
H. WAYNE COOPER	1286
NAME	R. L. A. NO.
DECEMBER 19, 2013	DATE



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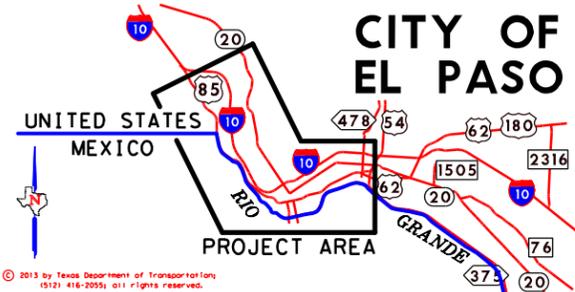


Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
SECONDARY ICONIC ELEMENT



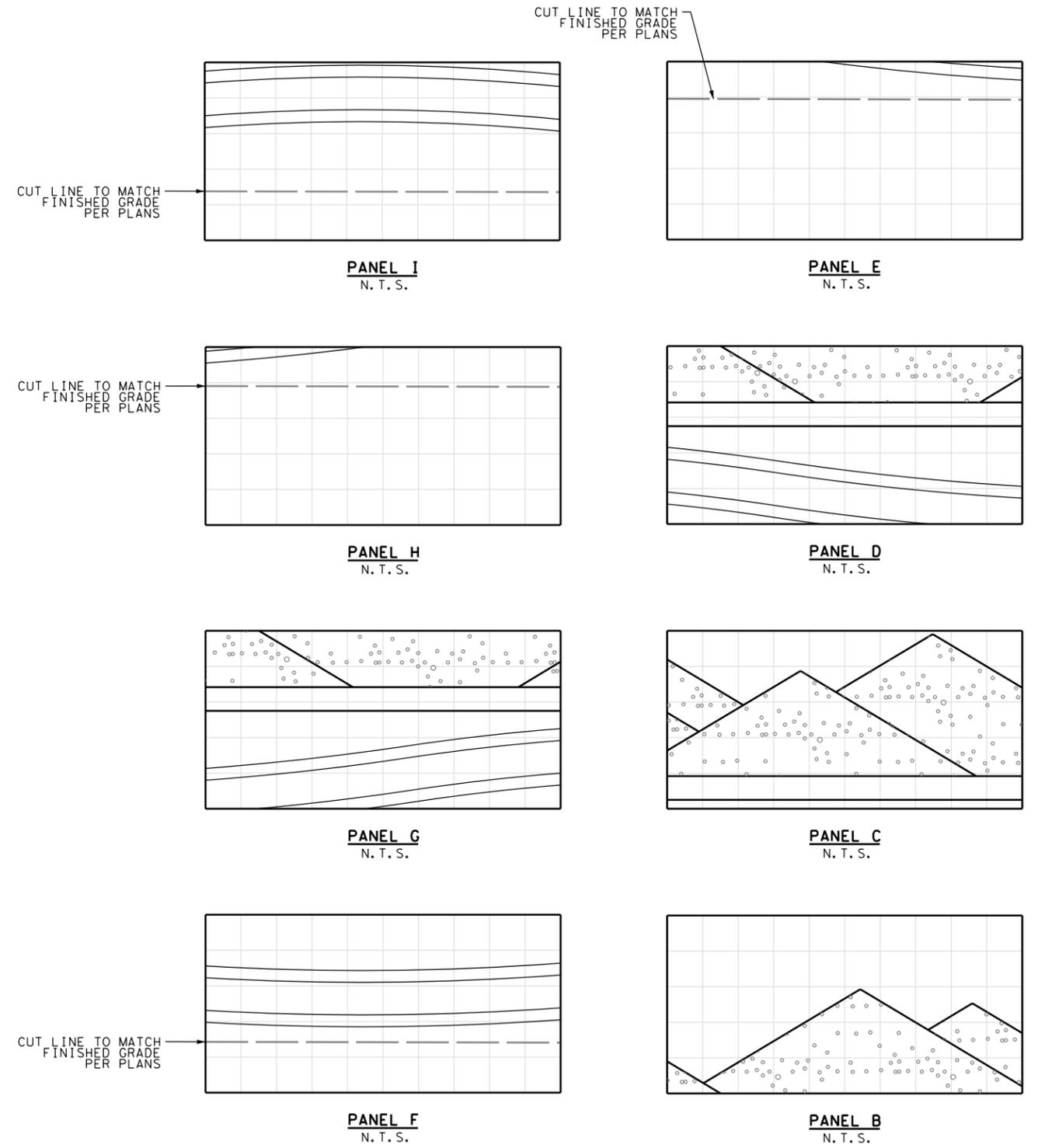
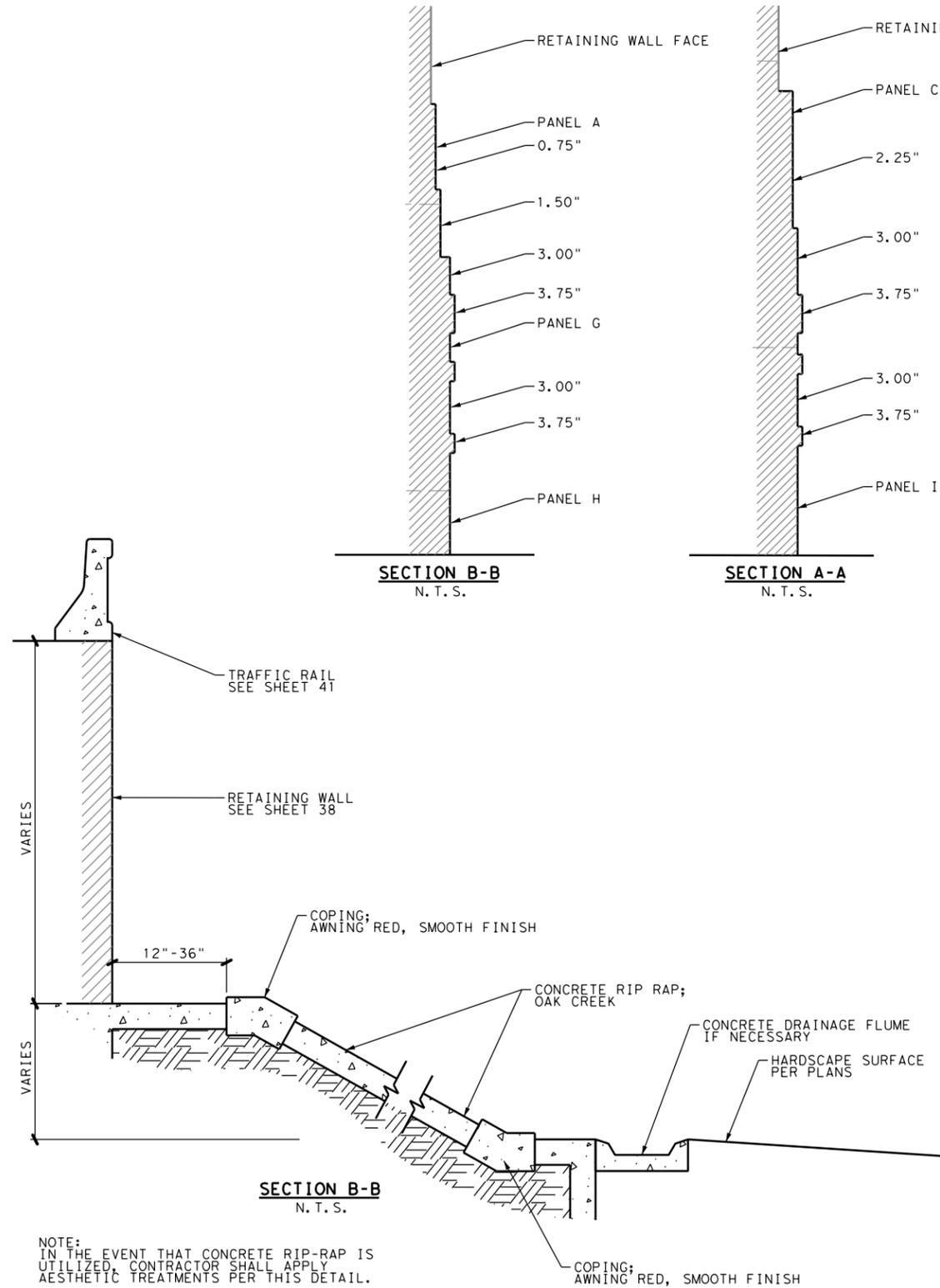
- NOTES:
1. ALL FORMLINERS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE
 2. A SAMPLE PANEL SHALL BE SUBMITTED OF ALL FINISHES FOR APPROVAL TO THE ENGINEER PRIOR TO USE
 3. THE SAMPLE PANEL SHALL BE SIZED AS APPROVED BY THE ENGINEER
 4. SAMPLE PANEL SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE SUBSIDIARY TO THE VARIOUS BID ITEMS
 5. ALL FORM LINERS TO BE SUBSIDIARY TO ITEM 423 MSE WALL
 6. ALL FORM LINERS TO BE THREE DIMENSIONAL AS PER TYPICAL SECTIONS
 7. ALL RETAINING WALLS TO FOLLOW THIS LAYOUT.
 8. SEE SHEET 39 FOR PANEL DETAILS.
 9. SEE SHEET 40 FOR ILLUSTRATION OF TYPICAL RETAINING WALL.

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 HALFF
 TYPE: FIRM #P-312

Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
TYPICAL RETAINING WALL

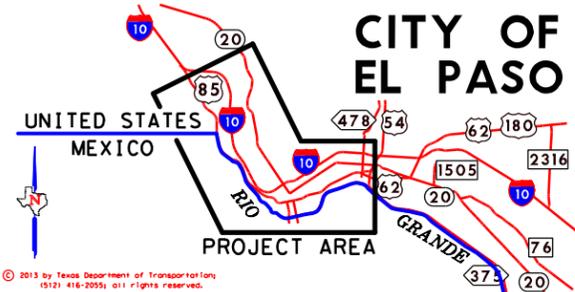


NOTE:
SEE SHEET 38 FOR PANEL APPLICATIONS

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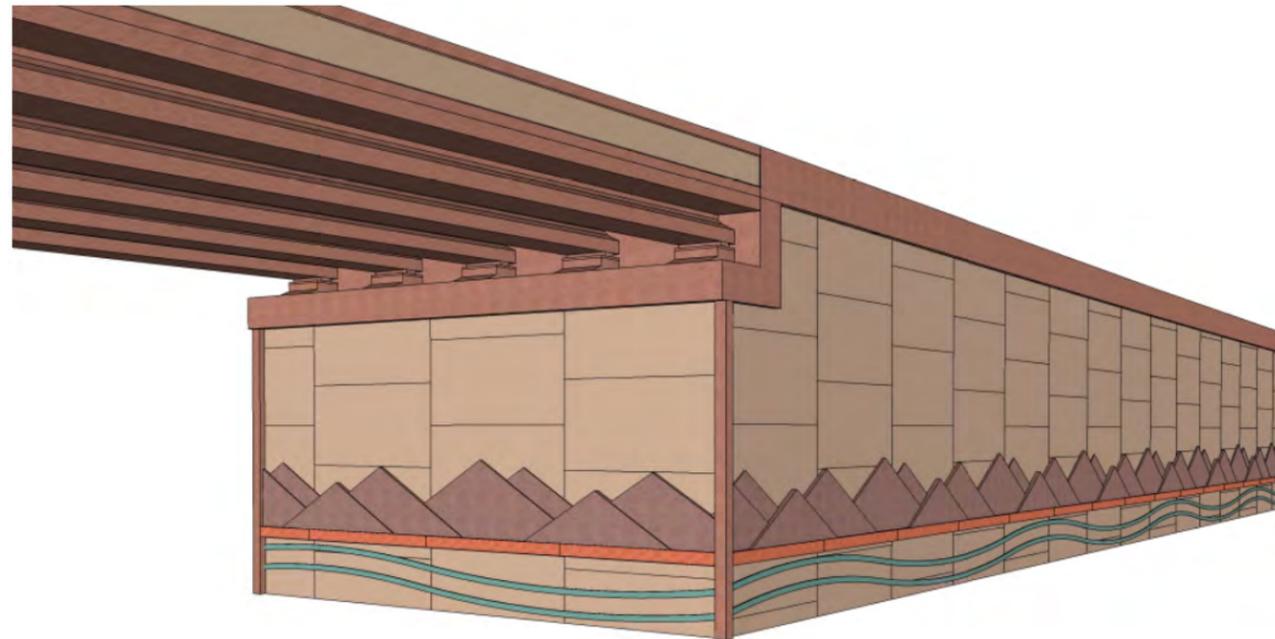
HALFF
TYPE: FIRM #P-312

Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
RETAINING WALL PANELS AND RIP RAP TREATMENT

TxDOT El Paso District CSJ: 2552-04-027 SHEET 39/49

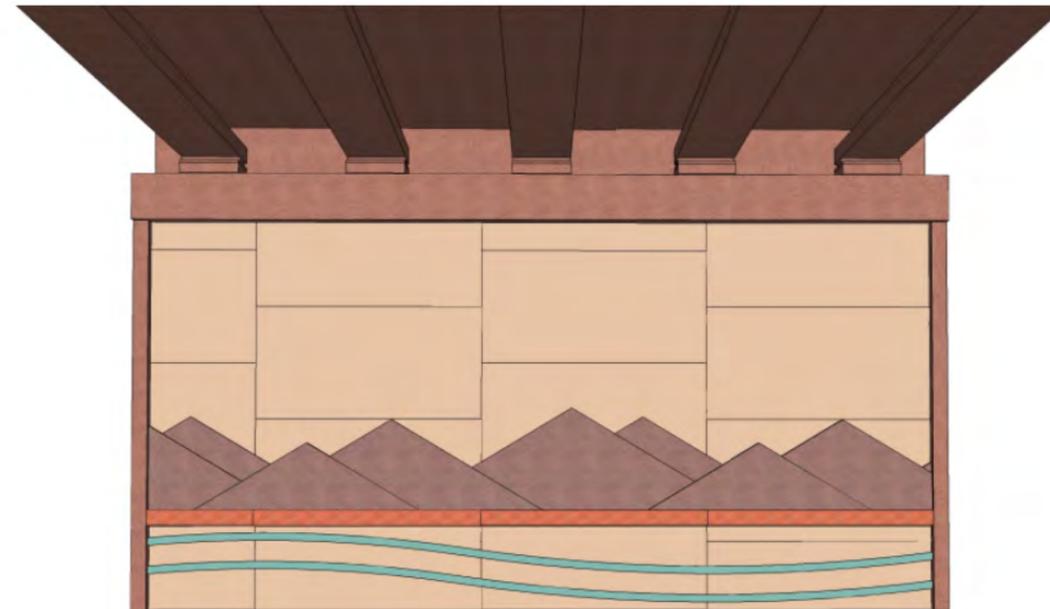
ABUTMENT/RETAINING WALL PERSPECTIVE

NOT TO SCALE



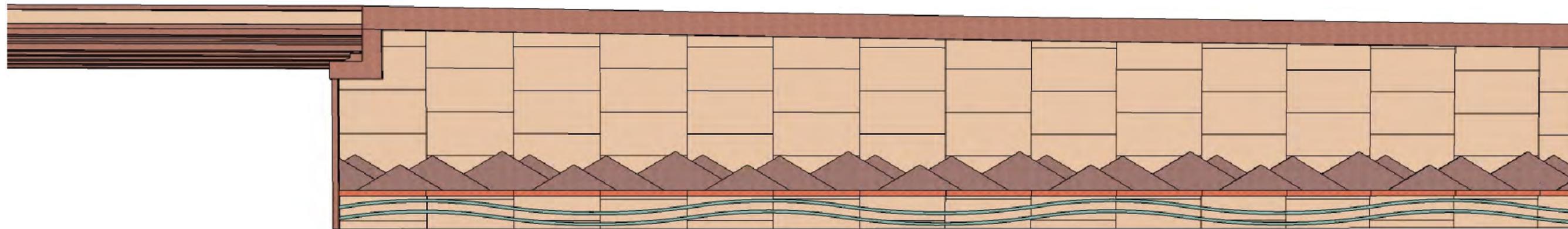
ABUTMENT PERSPECTIVE

NOT TO SCALE



RETAINING WALL PERSPECTIVE

NOT TO SCALE



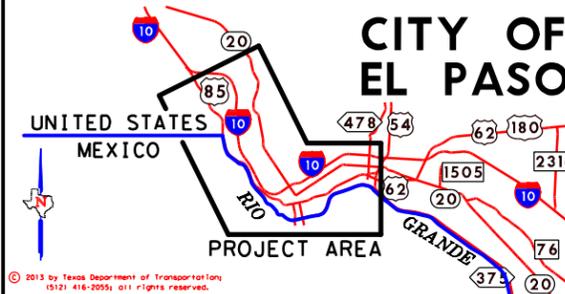
NOTE:
1. SEE SHEET 38 FOR DIMENSIONS AND AESTHETIC TEXTURE/COLOR TREATMENTS OF TYPICAL RETAINING WALL.

PRELIMINARY

FOR INTERIM REVIEW ONLY

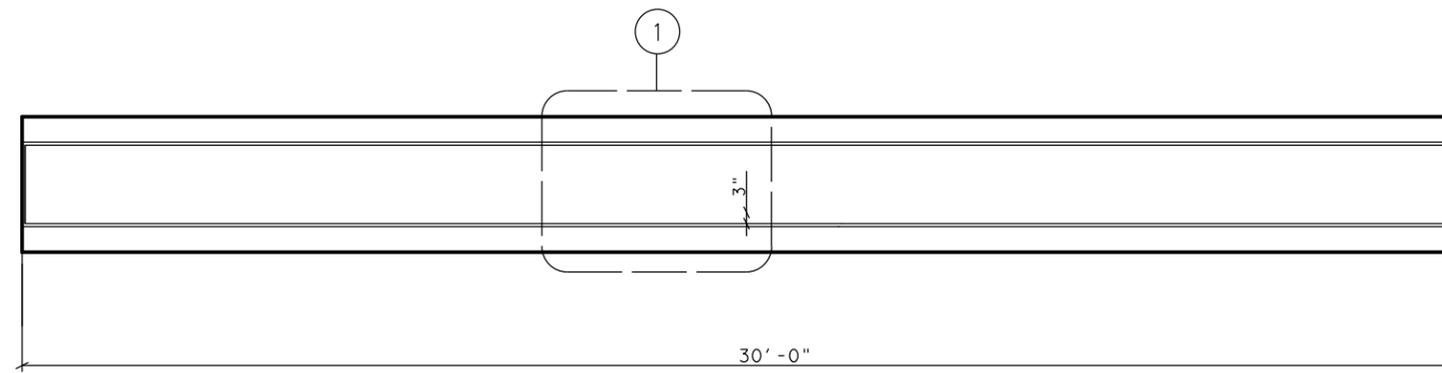
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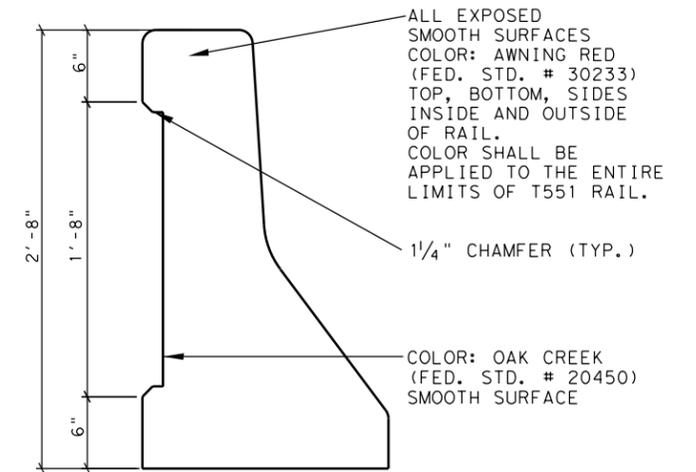


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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
TYPICAL RETAINING WALL



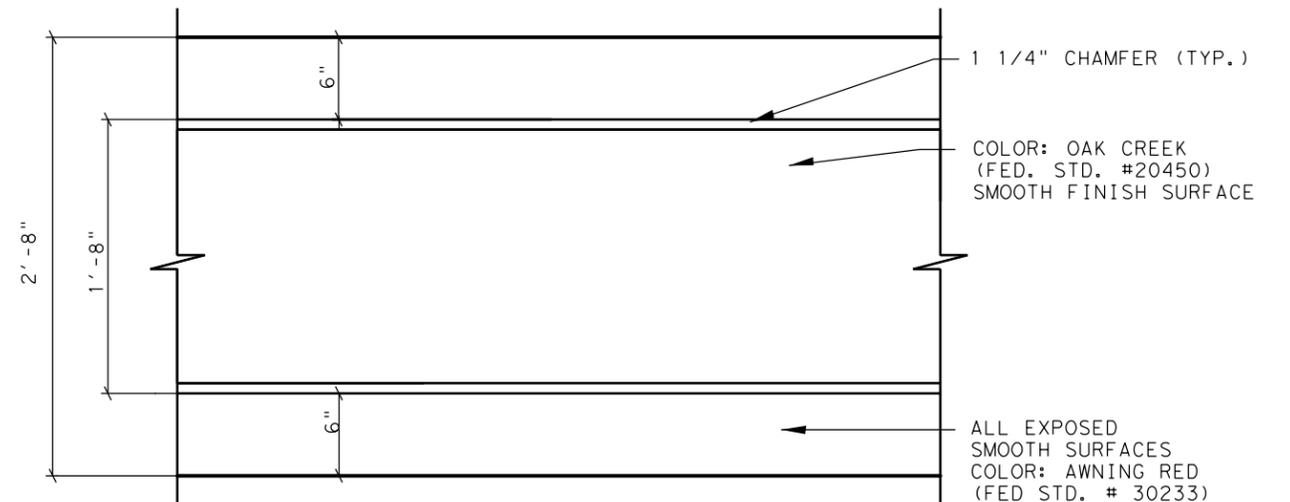
4 OUTSIDE ELEVATION AT BRIDGE



2 BRIDGE RAIL FOR USE WITH BRIDGES ONLY



3 TYPICAL BRIDGE TRAFFIC RAIL



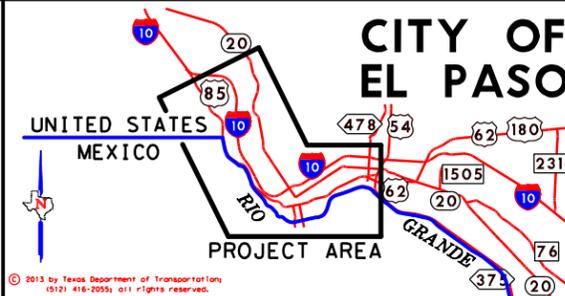
1 FORMLINER DETAIL

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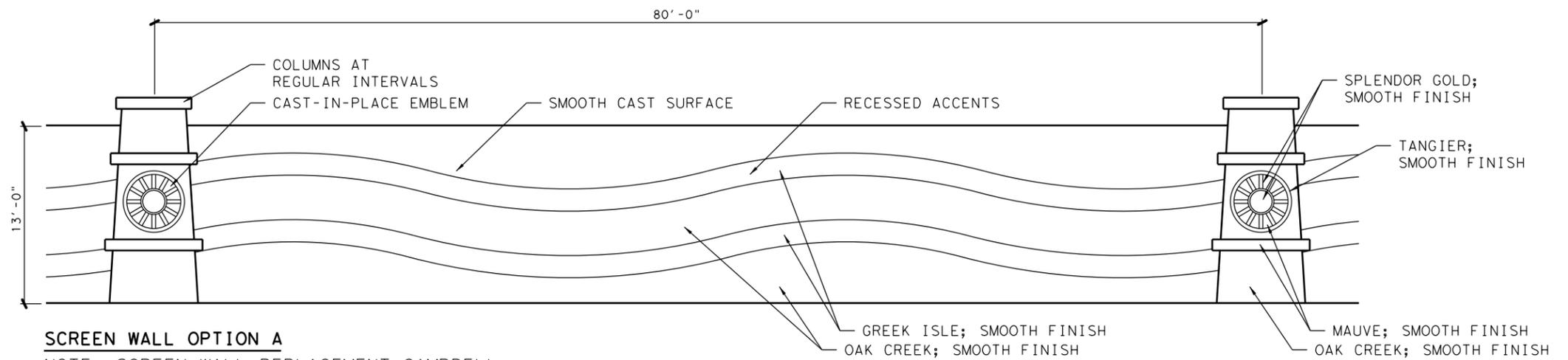
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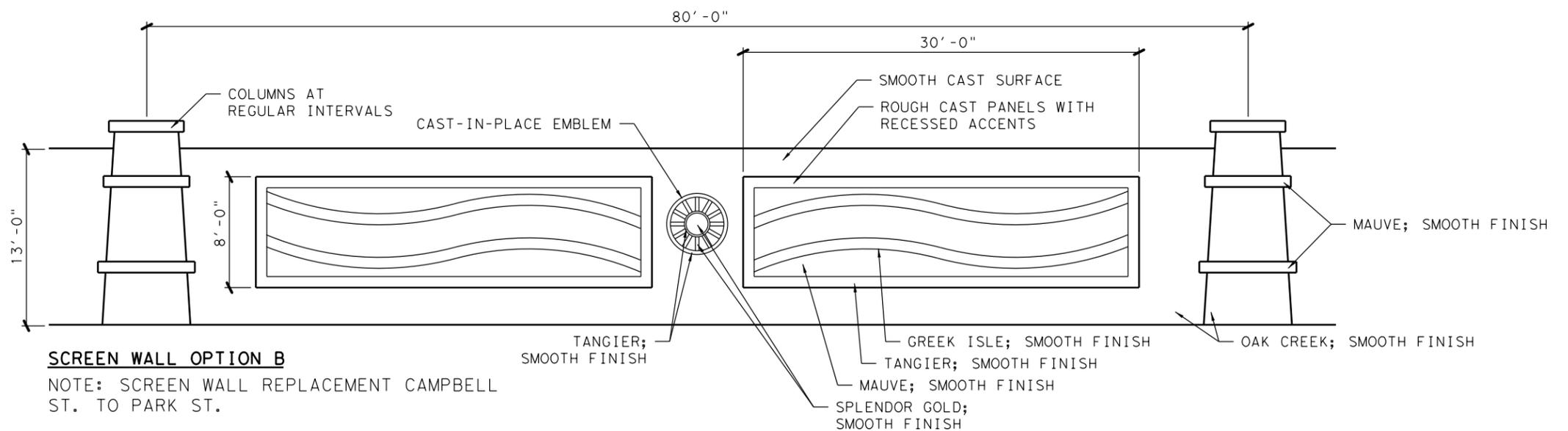


Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
TYP. BRIDGE TRAFFIC RAIL DETAILS



SCREEN WALL OPTION A

NOTE: SCREEN WALL REPLACEMENT CAMPBELL ST. TO PARK ST.



SCREEN WALL OPTION B

NOTE: SCREEN WALL REPLACEMENT CAMPBELL ST. TO PARK ST.

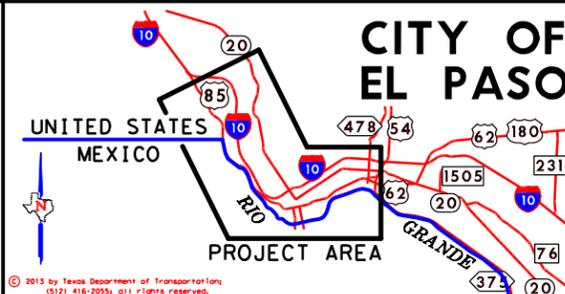
NOTE:
1. SEE SHEET 43 FOR ILLUSTRATION OF TYPICAL SCREEN WALLS & FENCING.
2. APPLY ANTI-GRAFFITI COATING ON ALL SURFACES OF ALL SCREEN WALLS.

PRELIMINARY

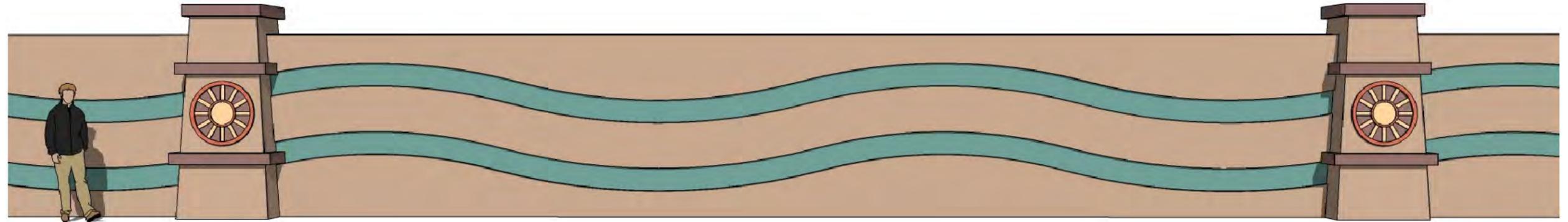
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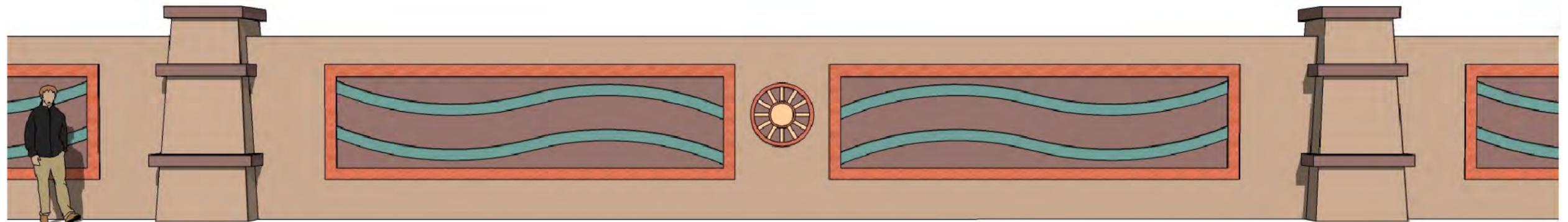
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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
TYPICAL SCREEN WALLS & FENCING



SCREEN WALL OPTION A



SCREEN WALL OPTION B

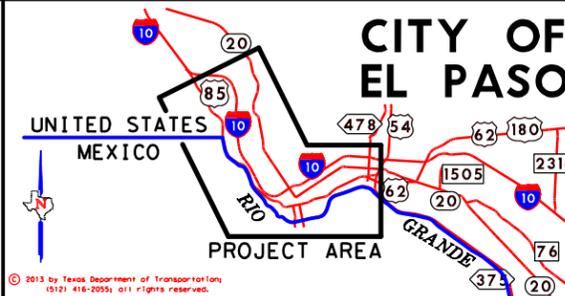
NOTE:
 1. SEE SHEET 42 FOR DIMENSIONS AND AESTHETIC TEXTURE/COLOR TREATMENTS OF TYPICAL SCREEN WALLS & FENCING.

PRELIMINARY

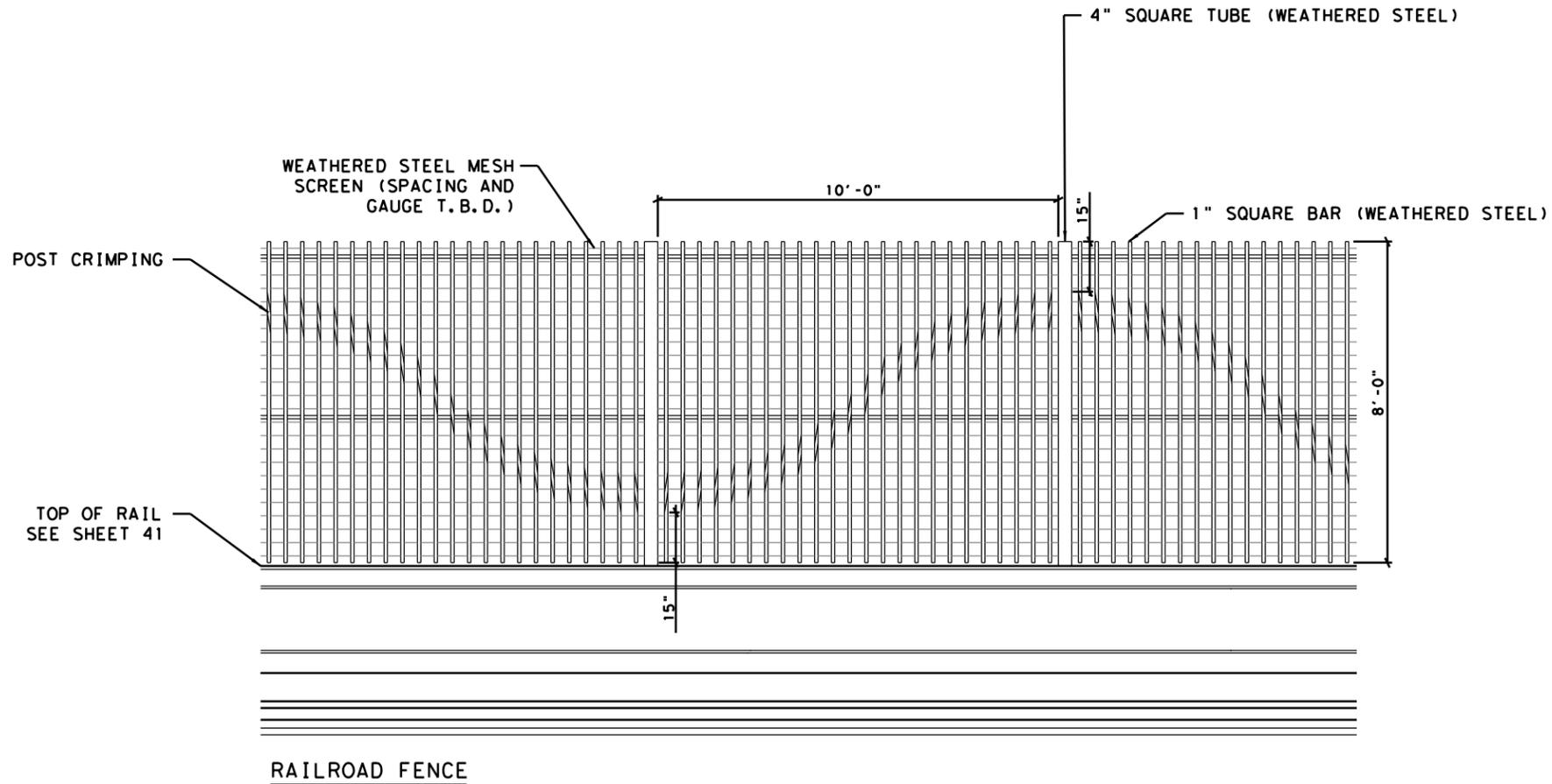
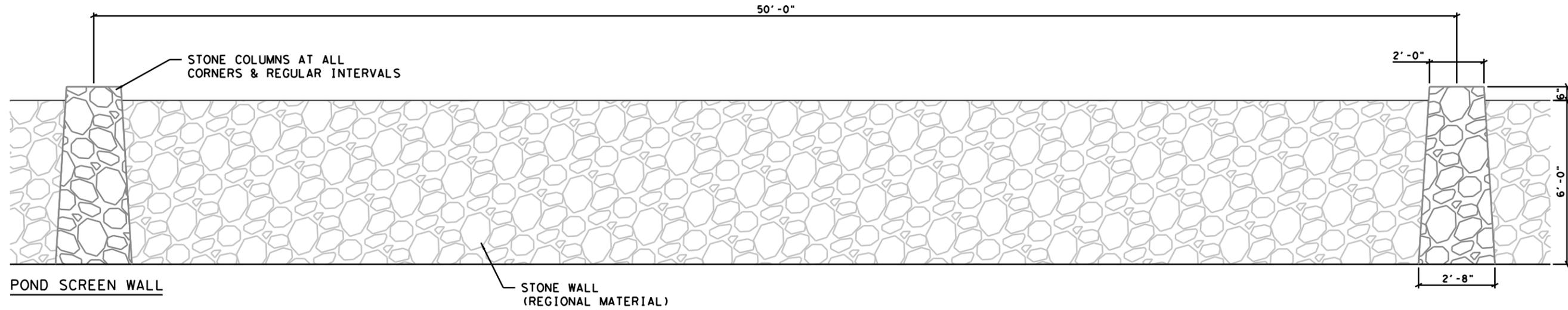
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
 TYPICAL SCREEN WALLS & FENCING



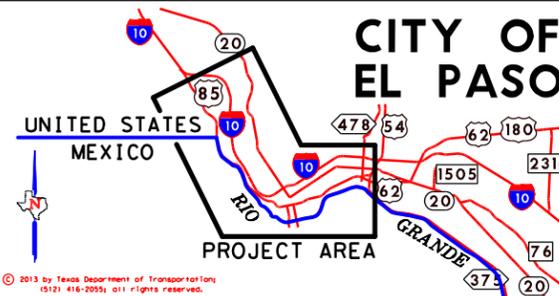
NOTES:

1. SEE SHEET 45 FOR ILLUSTRATIONS OF POND SCREEN WALLS AND RAILROAD FENCE.
2. SEE RETENTION POND PLANS SHEETS 18-23 FOR LOCATION OF POND SCREEN WALLS.

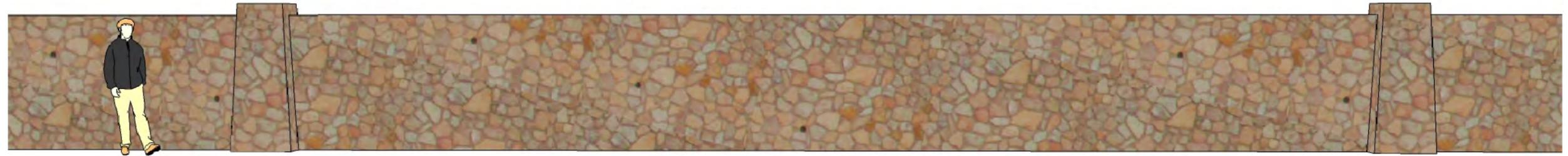
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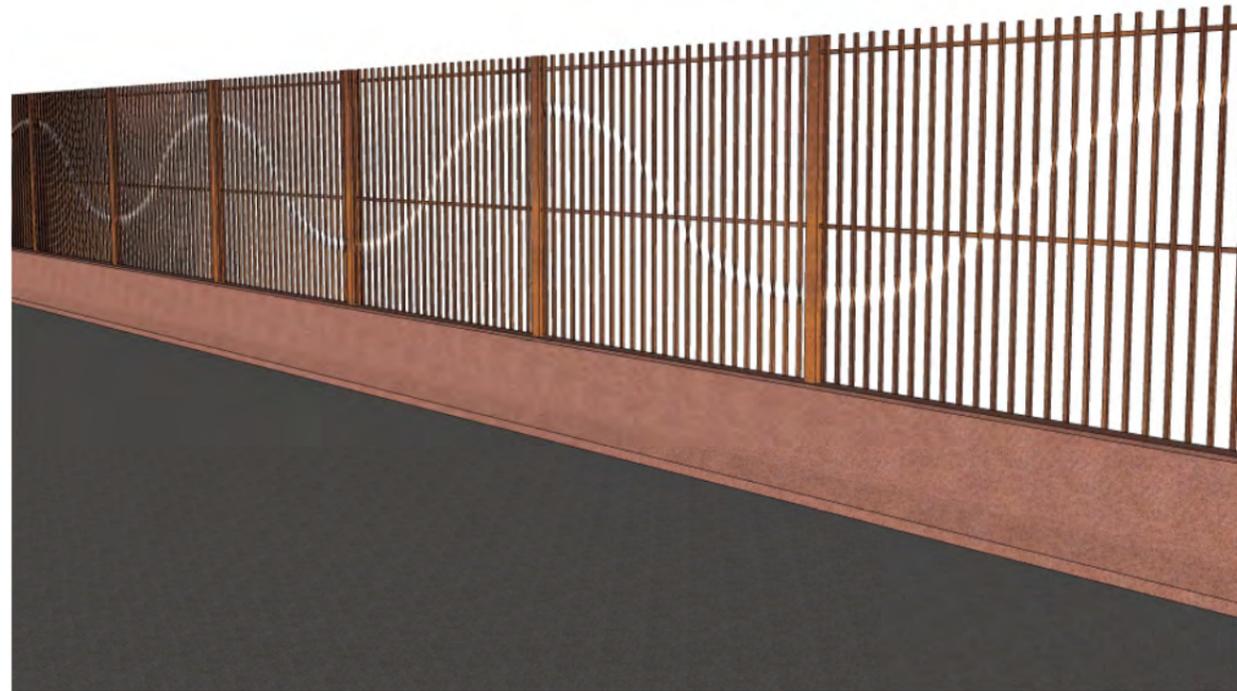
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Loop 375 Border Highway West Extension Project
From Racetrack Drive to East of Park Street
TYPICAL SCREEN WALLS & FENCING



POND WALL



RAILROAD FENCE

NOTES:

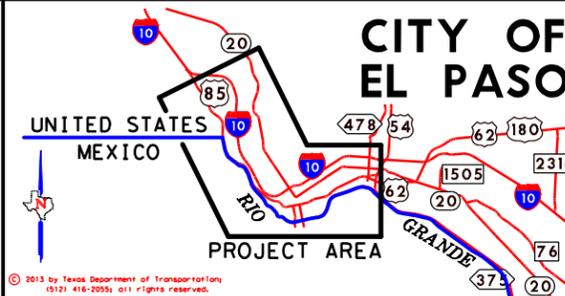
1. SEE SHEET 44 FOR AESTHETIC TEXTURE AND COLOR TREATMENTS AND DIMENSIONING OF POND SCREEN WALLS AND RAILROAD FENCE.
2. SEE RETENTION POND PLANS SHEETS 18-23 FOR LOCATION OF POND SCREEN WALLS.

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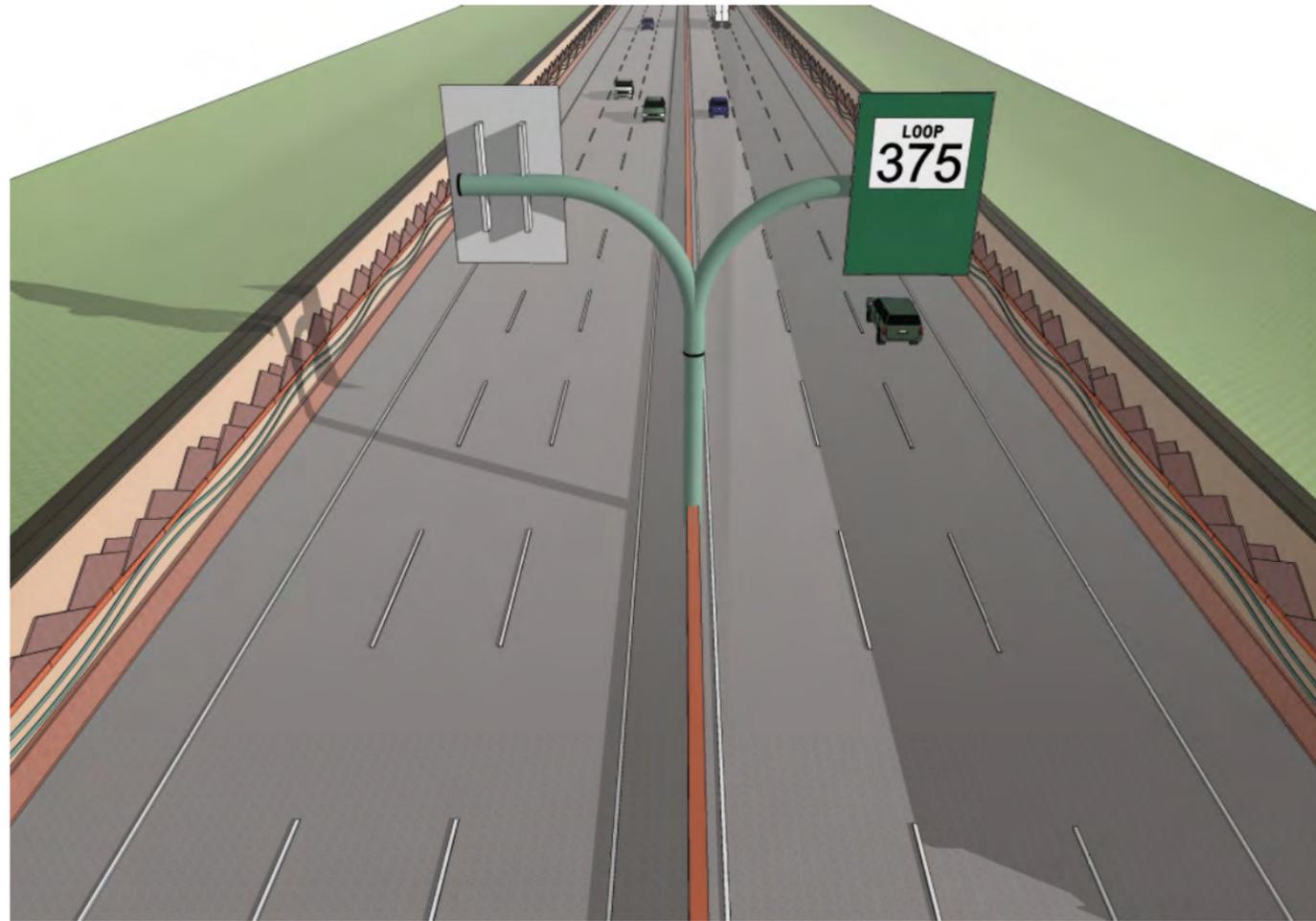


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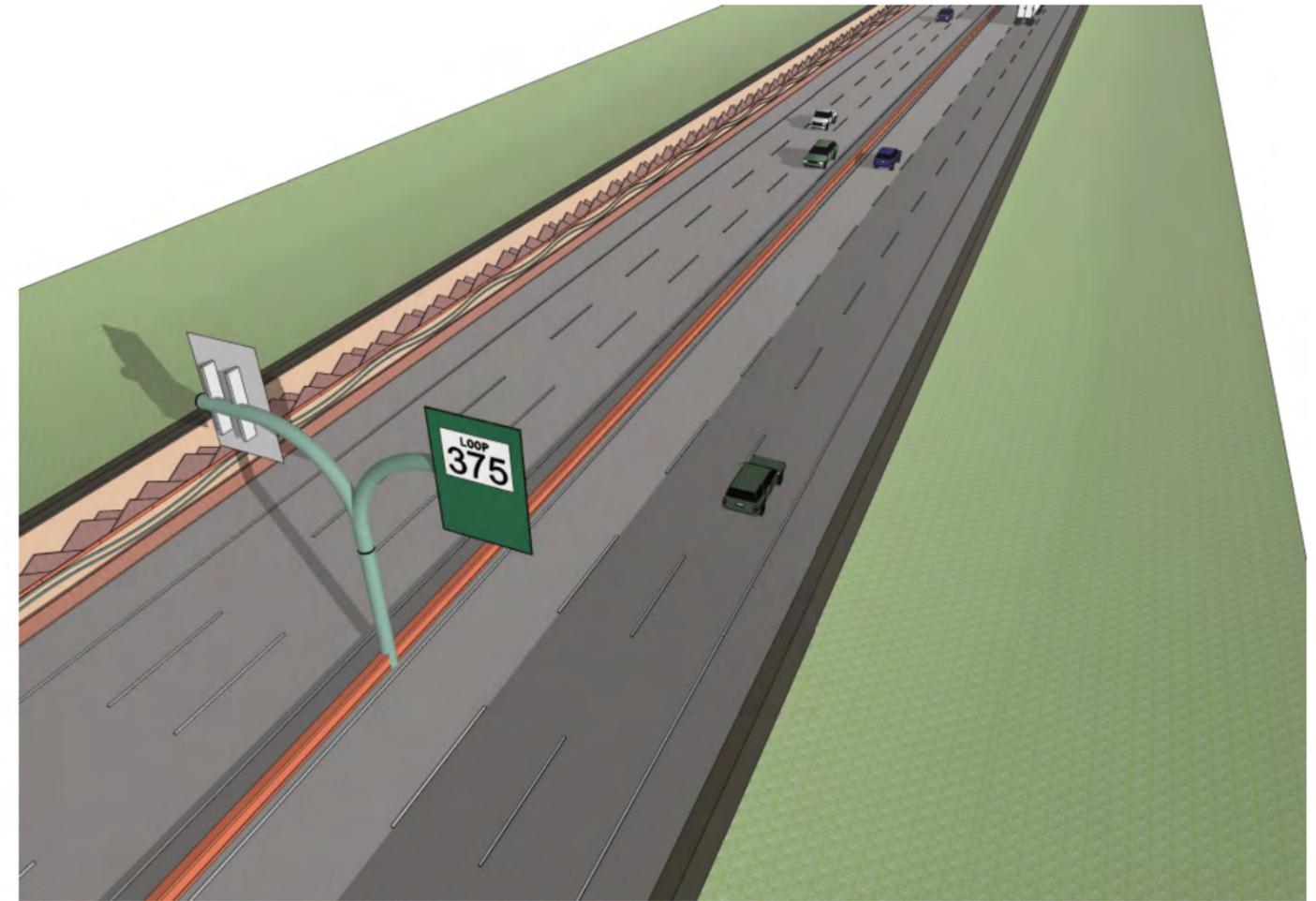
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
TYPICAL SCREEN WALLS & FENCING



AESTHETIC TREATMENTS

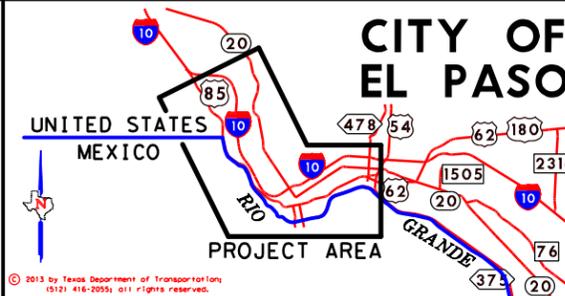


AESTHETIC TREATMENTS

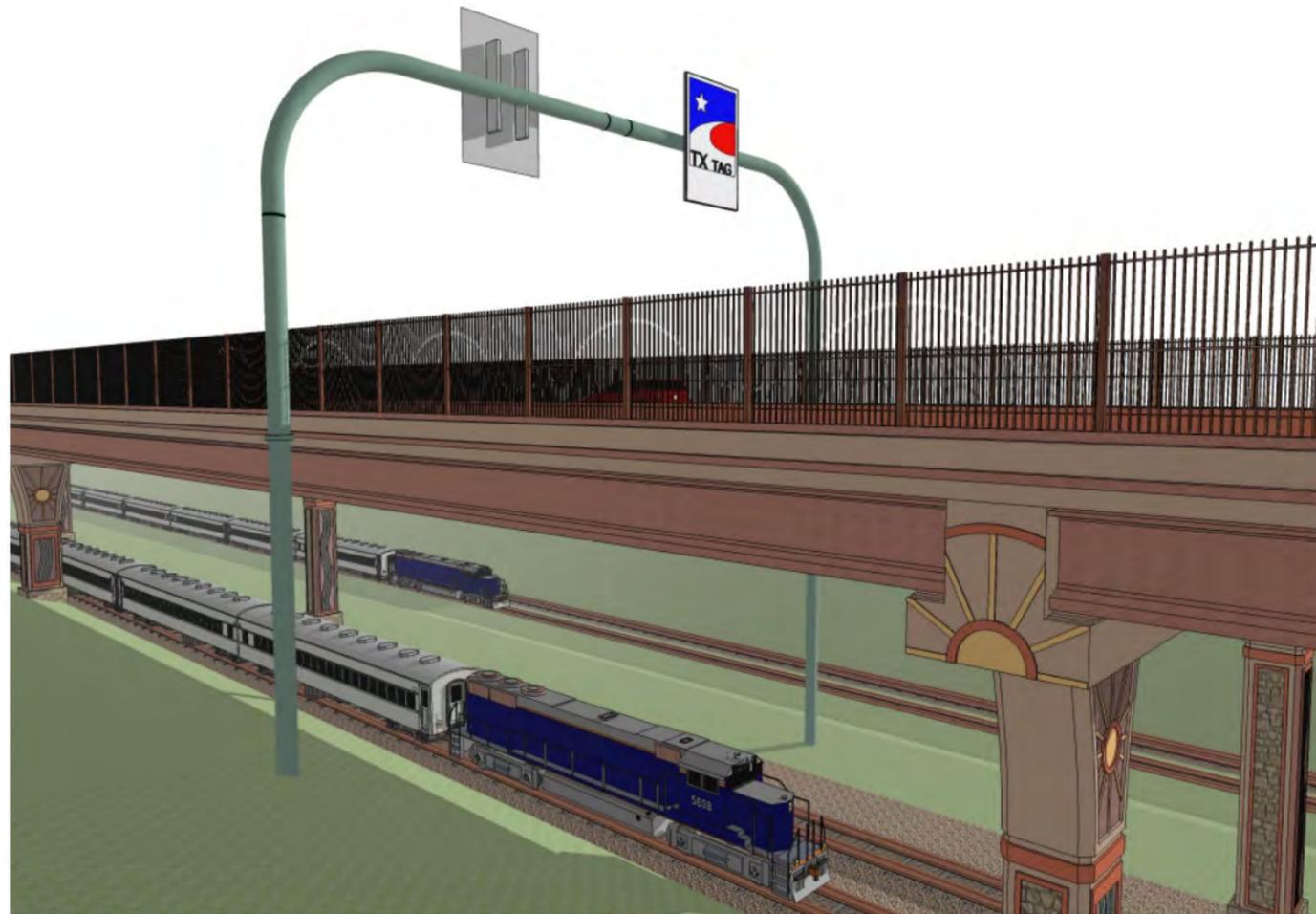
- NOTE:
1. SHEETS 46-49 ILLUSTRATE THE CONCEPTUAL LOOK AND FEEL OF THE OVERALL AESTHETIC TREATMENTS ONLY, AND DO NOT REFLECT ACTUAL PROPOSED ROADWAY CONDITIONS.
 2. REFER TO LAYOUT AND DETAIL SHEETS FOR DIMENSIONS, COLORS, AND TEXTURES OF ALL PROPOSED AESTHETIC TREATMENTS.
 3. OSB'S ARE FOR ILLUSTRATIVE PURPOSES ONLY.

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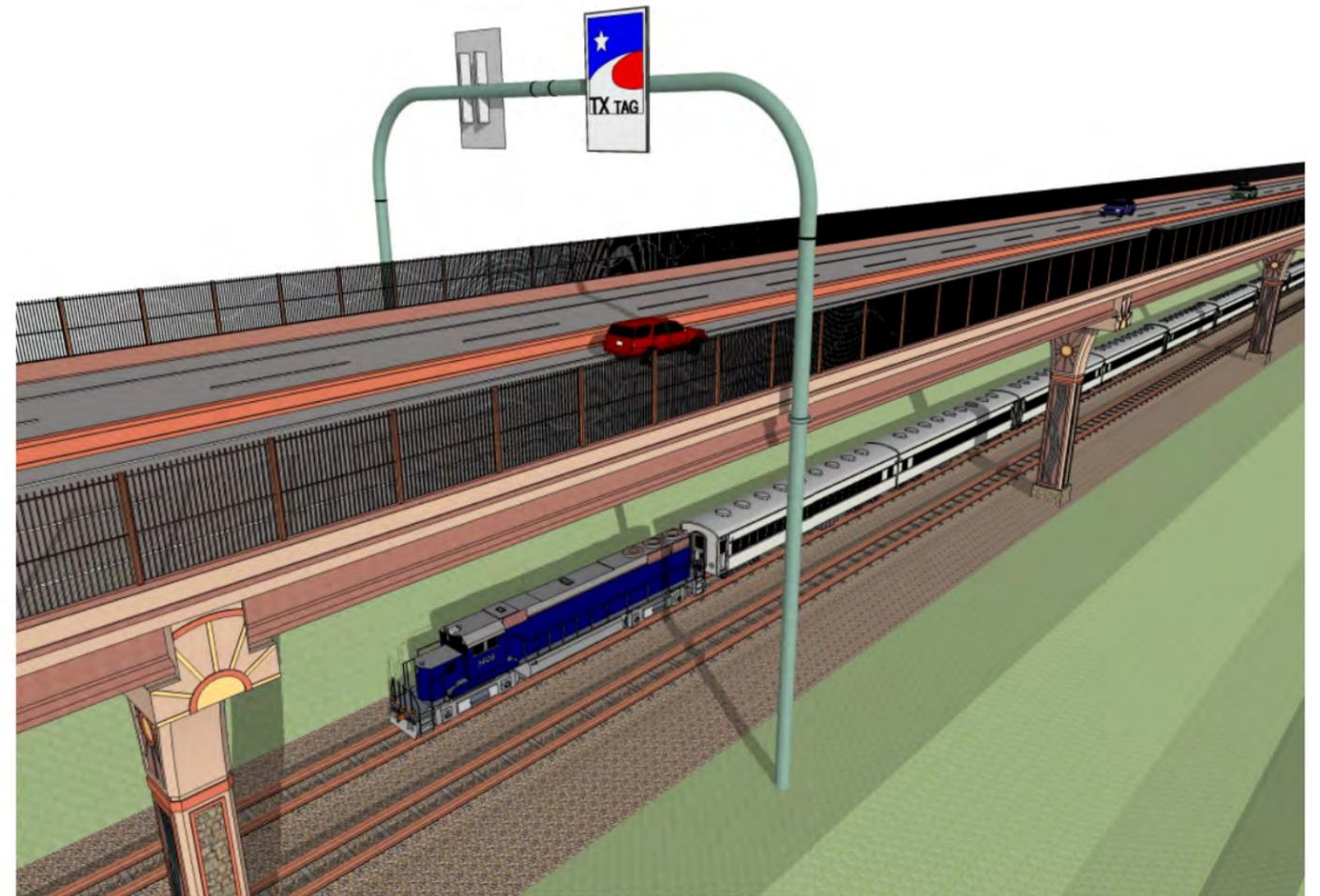
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
AESTHETIC TREATMENT COMBINATIONS



AESTHETIC TREATMENTS



AESTHETIC TREATMENTS

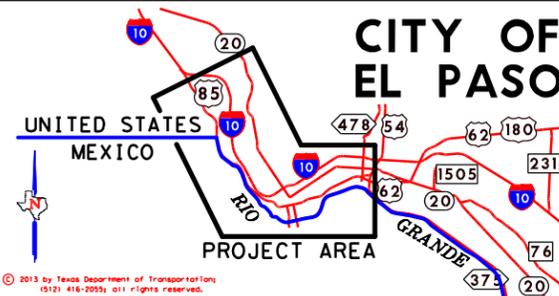
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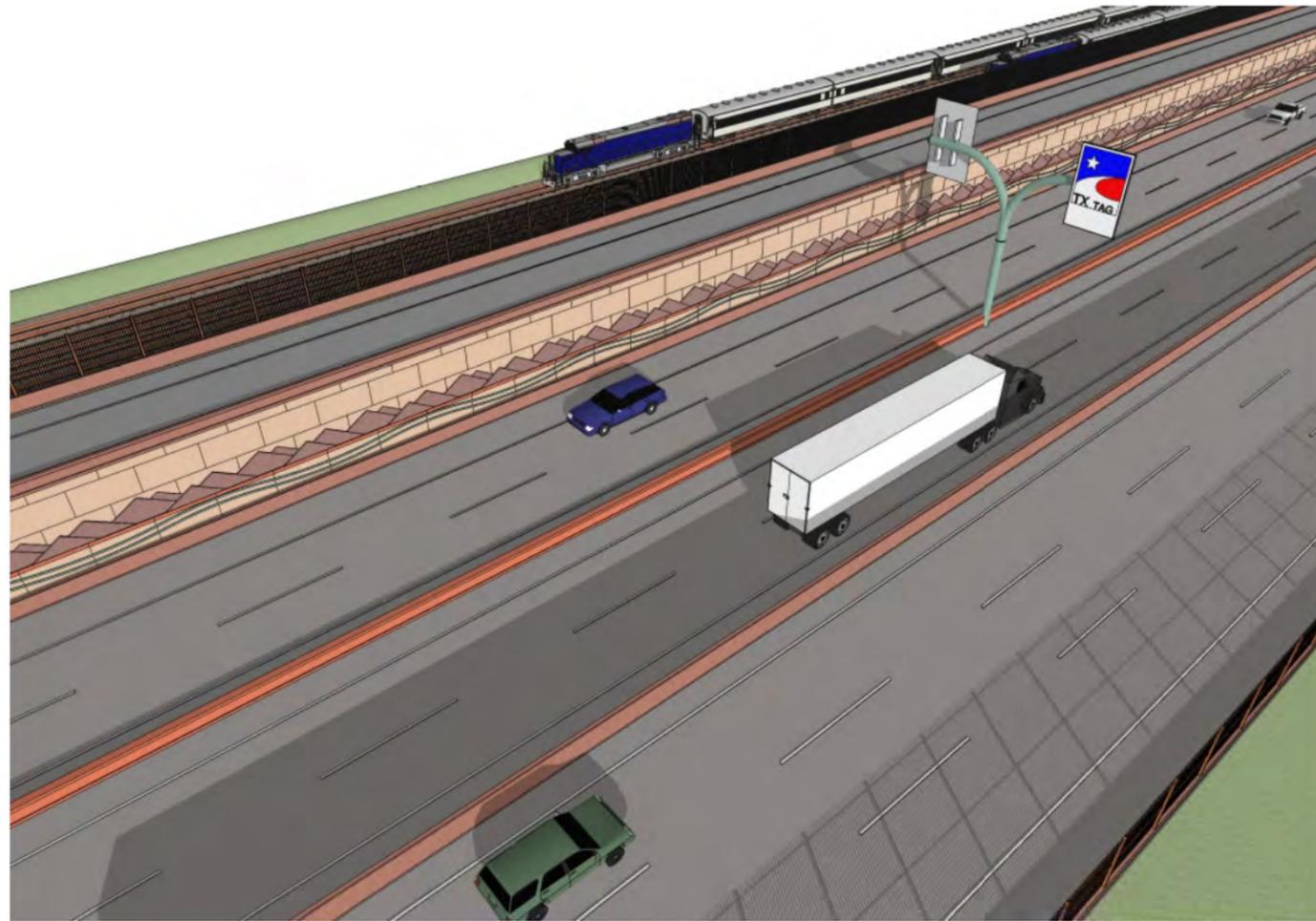
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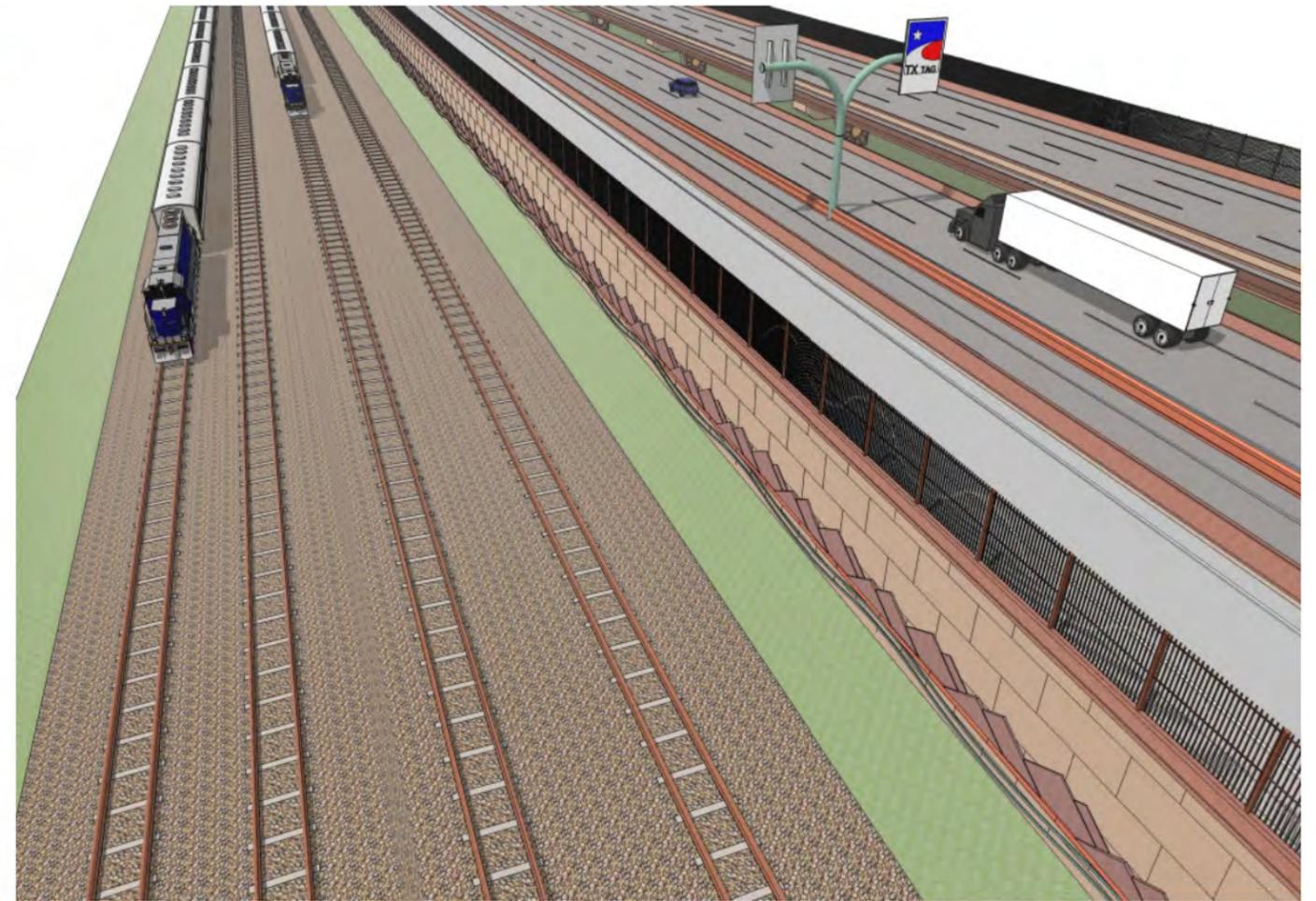
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
AESTHETIC TREATMENT COMBINATIONS



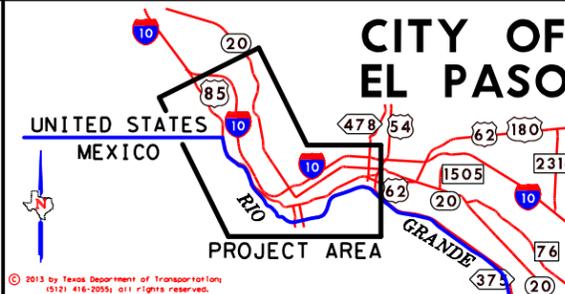
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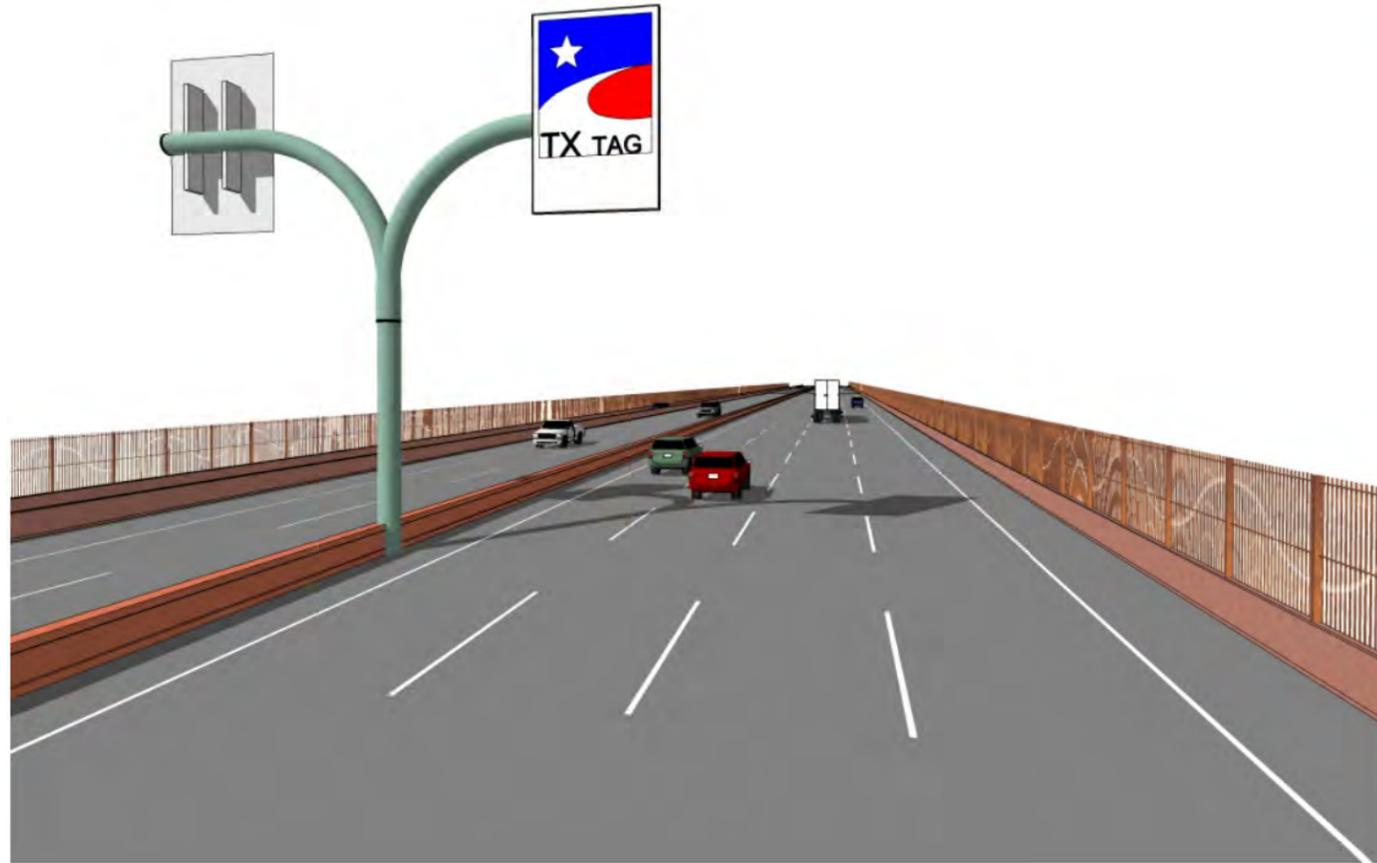
AESTHETIC TREATMENTS

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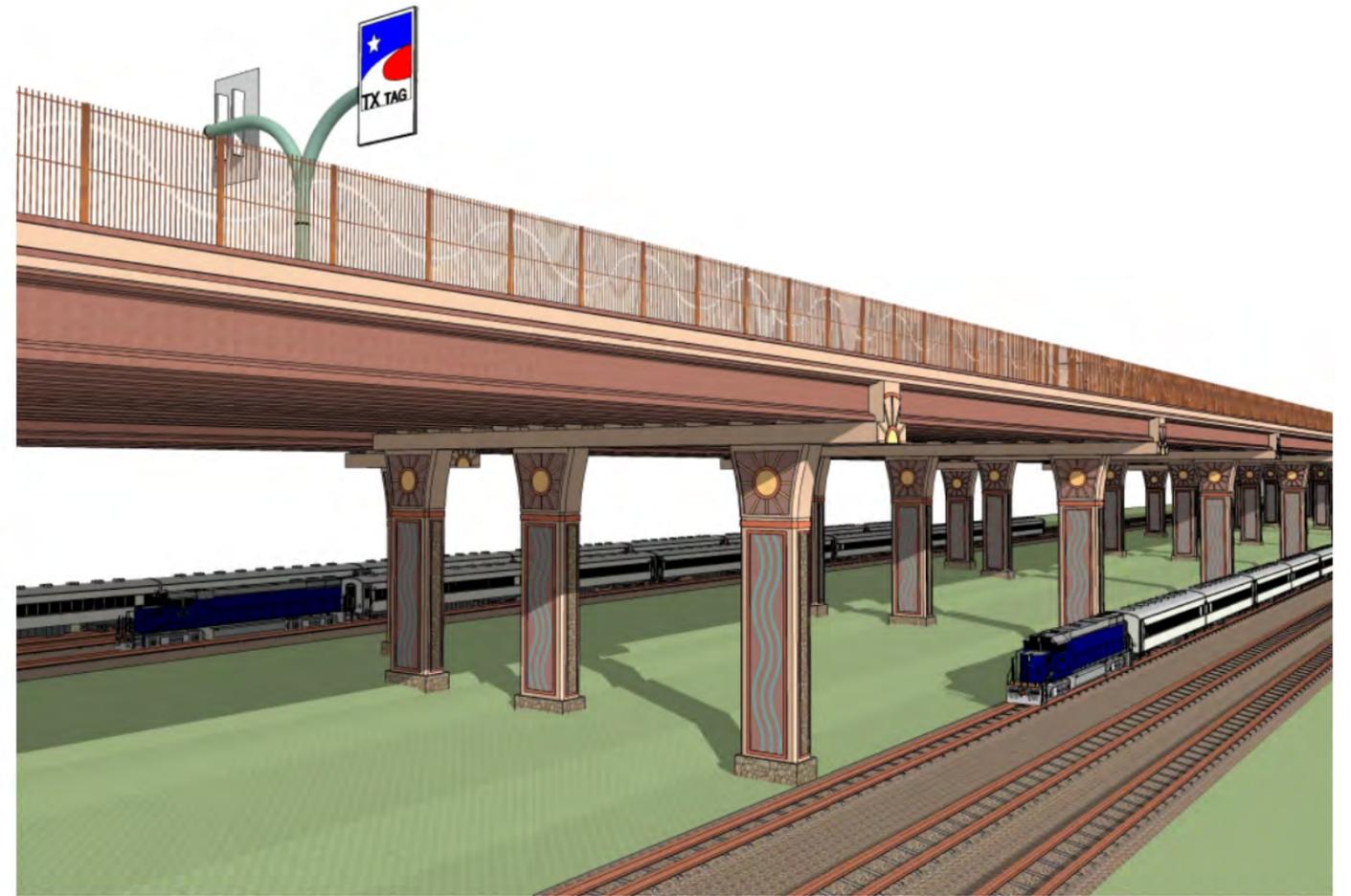
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 AESTHETIC TREATMENT COMBINATIONS



AESTHETIC TREATMENTS



AESTHETIC TREATMENTS

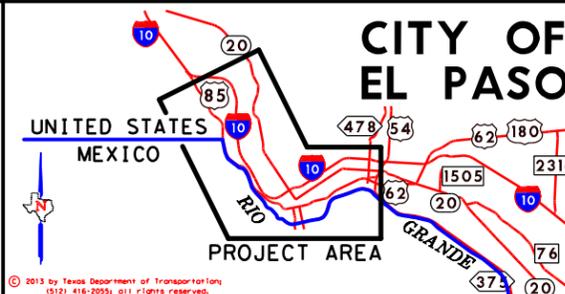
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Loop 375 Border Highway West Extension Project
 From Racetrack Drive to East of Park Street
AESTHETIC TREATMENT COMBINATIONS