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Texas Department of Transportation

DALLAS DISTRICT

CEASON CLEMENS, P.E. DISTRICT ENGINEER

DESIGN SCHEMATIC

60% SUBMITTAL

ROCKWALL COUNTY

FM 548

FROM: SH 66

TO: SOUTH OF CRENSHAW RD

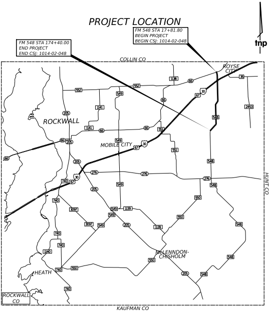
PROJECT LENGTH: 2.966 MILES (15,658.17 FT)

TERRAIN (LEVEL)

CSJ: 1014-02-048

ROADWAY SECTION	DESIGN SPEED	FUNCTIONAL CLASS
FM 548	40 MPH	URBAN COLLECTOR STREET
ELM GROVE RD	35 MPH	LOCAL
CRENSHAW RD	35 MPH	LOCAL
WATERSCAPE BLVD	35 MPH	LOCAL

PROJECT LOCATION


FM 548 STA 174+40.00
END PROJECT
END CSJ: 1014-02-048
FM 548 STA 17+81.80
BEGIN PROJECT
BEGIN CSJ: 1014-02-048
tnp
COLLIN CO
ROYSE CITY
ROCKWALL
MOBILE CITY
DALLAS CO
HUNT CO
McLENNDON-CHISHOLM
HEATH
ROCKWALL CO
KAUFMAN CO
552
1138
66
30
549
1141
205
67
548
2453
551
740
276
3097
550
1139
1140

PREPARED BY TEAGUE NALL AND PERKINS, INC.
FIRM REGISTRATION NUMBER 230

DATE APPROVED

This document is for interim review and is not intended for construction, bidding or permit purposes.

Jeffrey W. Philipp,
P.E. Tx. Reg. 129834
5/8/2024

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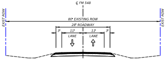
5237 N. Riverside Drive, Suite 100
Fort Worth, Texas 76137
817.336.5773 ph
www.tnpinc.com

50 0 50 100
HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 10'
SCALE IN FEET

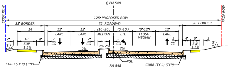
ROLL 3 OF 4

MAY 2024

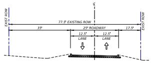
TYPICAL SECTIONS


℄ FM 548
EXIST ROW
80' EXISTING ROW
28' ROADWAY
3'
11'
LANE

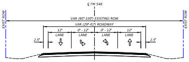
FM 548
EXISTING TYPICAL SECTION
STA 97+67.44 TO STA 146+38.68
STA 171+75.62 TO STA 174+40.00


℄ FM 548
EXIST ROW
PROP ROW
125' PROPOSED ROW
33' BORDER
72' ROADWAY
20' BORDER
14'
12'
(10'-20')
(0'-10')
(0'-12')
LANE
MEDIAN
LTL
FLUSH MEDIAN
10'
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

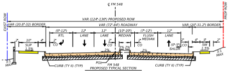
FM 548
PROPOSED TYPICAL SECTION
STA 161+71.50 TO STA 165+91.14


℄
EXIST ROW
77.5' EXISTING ROW
35'
25' ROADWAY
17.5'
12.5'
LANE

FM 548 SIDESTREETS
LOCAL ROAD (CONCRETE)
EXISTING TYPICAL SECTION
CRENSHAW RD


℄ FM 548
EXIST ROW
VAR (80'-100') EXISTING ROW
VAR (29'-41') ROADWAY
12'
0' - 12'
2.5'
LANE

FM 548
EXISTING TYPICAL SECTION
STA 146+38.68 TO STA 171+75.62

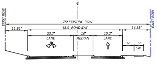

℄ FM 548
EXIST ROW
PROP ROW
VAR (124'-136') PROPOSED ROW
VAR (20.8'-32) BORDER
VAR (72'-84') ROADWAY
VAR (20'-31.2') BORDER
(0'-12')
12'
(10'-20')
(7'-12')
RTL
LANE
MEDIAN
FLUSH MEDIAN
(0'-5')
SHLDR
10'
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

FM 548
PROPOSED TYPICAL SECTION
STA 165+91.14 TO STA 170+00

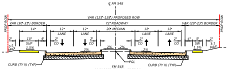
NORTHBOUND RETAINING WALL
STA 166+94.65 TO STA 168+58.38

NORTHBOUND RIGHT TURNS
STA 165+91.14 TO STA 169+40.61

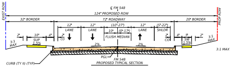
* 8' SUP BEGINS AT
STA 166+94.68 TO STA 168+58.40


℄
EXIST ROW
PROP ROW
75' EXISTING ROW
48.9' ROADWAY
11.81'
14.35'
23.7'
10'
15.2'
LANE
MEDIAN
6'
5'
SW

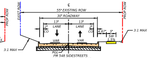
FM 548 SIDESTREETS
LOCAL ROAD (CONCRETE)
EXISTING TYPICAL SECTION
WATERSCAPE BLVD


℄ FM 548
PROP ROW
VAR (125'-128') PROPOSED ROW
VAR (30'-35') BORDER
72' ROADWAY
VAR (20'-23') BORDER
14'
12'
20' MEDIAN
LANE
10'
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

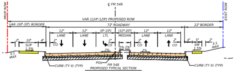
FM 548
PROPOSED TYPICAL SECTION
STA 102+20.36 TO STA 143+33.57
STA 147+60.57 TO STA 149+88.37
STA 157+62.38 TO STA 161+71.50


℄ FM 548
EXIST ROW
PROP ROW
124' PROPOSED ROW
32' BORDER
72' ROADWAY
20' BORDER
12'
(10'-27')
(5'-22')
10'
(0'-17')
LANE
FLUSH MEDIAN
SHLDR
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

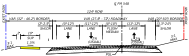
FM 548
PROPOSED TYPICAL SECTION
STA 170+00 TO STA 172+00


℄
EXIST ROW
PROP ROW
55' EXISTING ROW
30' ROADWAY
13'
LANE
CO
VAR
4.67'
5'
SW
1.5%
3:1 MAX
PGL

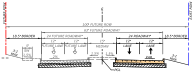
FM 548 SIDESTREETS
LOCAL ROAD (CONCRETE)
PROPOSED TYPICAL SECTION
ELM GROVE RD
STA 04+13.25 TO STA 04+64.00


℄ FM 548
PROP ROW
EXIST ROW
VAR (124'-129') PROPOSED ROW
VAR (30'-35') BORDER
72' ROADWAY
22' BORDER
12'
(0'-10')
(10'-20')
LANE
LTL
MEDIAN
10'
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

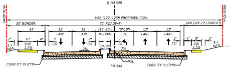
FM 548
PROPOSED TYPICAL SECTION
STA 143+33.57 TO STA 147+60.57


℄ FM 548
EXIST ROW
PROP ROW
124' ROW
VAR (32' - 46.2') BORDER
VAR (27.8' - 72') ROADWAY
VAR (20'-50') BORDER
(2'-2.5')
(0'-12')
(11'-12')
(0'-10')
(3.3'-24')
SHLDR
LANE
FLUSH MEDIAN
10'
SUP
1.5%
2%
(USUAL)
3:1 MAX
PGL

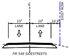
FM 548
PROPOSED TYPICAL SECTION
STA 172+00 TO STA 174+40


℄
FUTURE ROW
EXIST ROW
100' FUTURE ROW
63' FUTURE ROADWAY
18.5' BORDER
24 FUTURE ROADWAY*
24 ROADWAY*
12'
15'
FUTURE LANE
MEDIAN
LANE
5'
SW
1.5%
2%
VAR
3:1 MAX
PGL

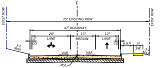
FM 548 SIDESTREETS
LOCAL ROAD (CONCRETE)
PROPOSED TYPICAL SECTION
CRENSHAW RD
STA 10+40.64 TO STA 11+31.17


℄ FM 548
PROP ROW
VAR (122'-125') PROPOSED ROW
30' BORDER
72' ROADWAY
VAR (20'-23') BORDER
14'
12'
(10'-20')
(0'-10')
LANE
MEDIAN
LTL
10'
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

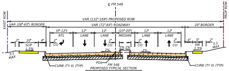
FM 548
PROPOSED TYPICAL SECTION
STA 149+88.37 TO STA 154+14.66


℄
EXIST ROW
10'
10.9'
LANE

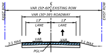
FM 548 SIDESTREETS
LOCAL ROAD (ASPHALT)
EXISTING TYPICAL SECTION
ELM GROVE RD


℄
EXIST ROW
75' EXISTING ROW
47' ROADWAY
20'
13'
12'
LANE
MEDIAN
1'
CO
VAR
6.97'
5'
SW
3:1 MAX
PGL

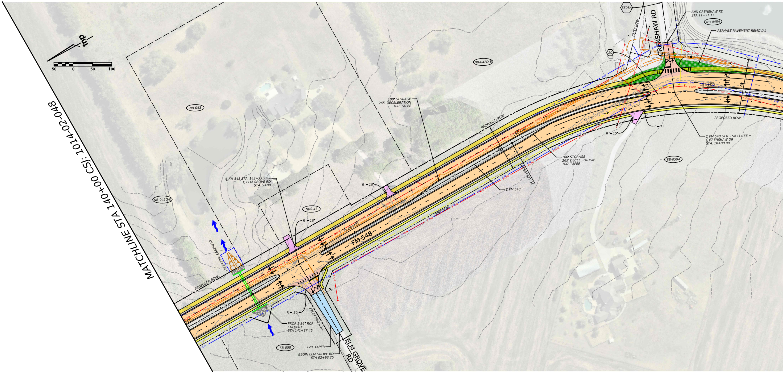
FM 548 SIDESTREETS
LOCAL ROAD (CONCRETE)
PROPOSED TYPICAL SECTION
WATERSCAPE BLVD
STA 05+42.01 TO STA 06+26.54


℄ FM 548
EXIST ROW
PROP ROW
VAR (132'-169') PROPOSED ROW
VAR (28'-65') BORDER
VAR (72'-84') ROADWAY
20' BORDER
(0'-12')
12'
(10'-20')
RTL
LANE
MEDIAN
10'
SUP
1.5%
CO
SW
2%
3:1 MAX
PGL
CURB (TY II) (TYP)

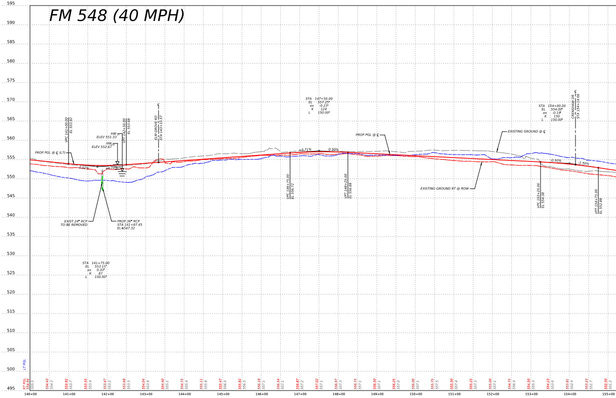
FM 548
PROPOSED TYPICAL SECTION
STA 154+14.66 TO STA 157+62.38

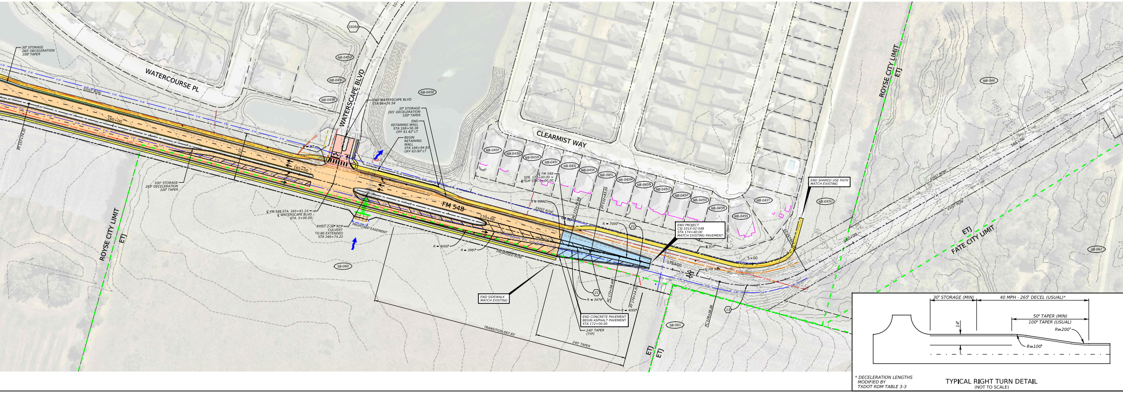

℄
EXIST ROW
VAR (50'-60') EXISTING ROW
VAR (30'-36') ROADWAY
13'
LANE
VAR
3:1 MAX
PGL

FM 548 SIDESTREETS
LOCAL ROAD (ASPHALT)
PROPOSED TYPICAL SECTION
ELM GROVE RD
STA 02+93.25 TO STA 04+13.25


MATCHLINE STA 140+00 CSJ: 1014-02-048
50 0 50 100
NB-043
NB-042D-E
NB-042D-E
NB-043
SB-058
SB-059A
NB-045A
SS08A
20
CRENSHAW RD
EXIST ROW
END CRENSHAW RD
STA 11+31.17
ASPHALT PAVEMENT REMOVAL
R = 50'
155+00
40'
PROPOSED ROW
R = 15'
R = 15'
℄ FM 548 STA. 154+14.66 =
℄ CRENSHAW DR
STA. 10+00.00
100' STORAGE
265' DECELERATION
100' TAPER
PROPOSED ROW
150+00
100' STORAGE
265' DECELERATION
100' TAPER
PC 149+69.22
℄ FM 548
R = 15'
℄ FM 548 STA. 143+33.57 =
℄ ELM GROVE RD
STA. 5+00
R = 15'
145+00
FM-548
EXIST ROW
PROPOSED EASEMENT
PROPOSED ROW
R = 50'
PROP 1-36" RCP
CULVERT
STA 141+87.45
PROPOSED ROW
120' TAPER
BEGIN ELM GROVE RD
STA 02+93.25
ELM GROVE
RD

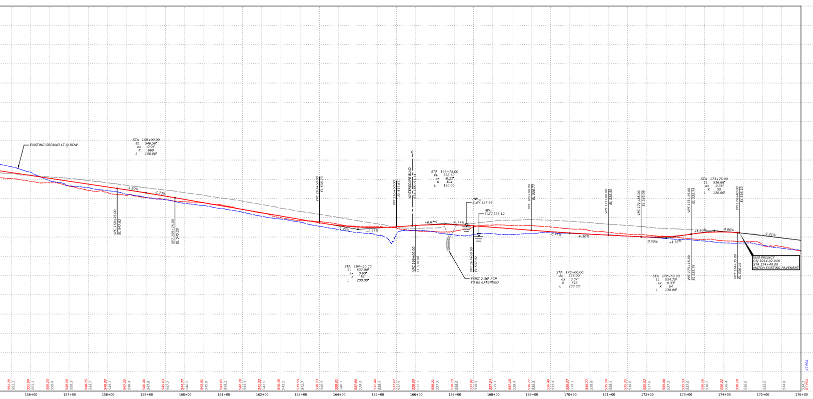
FM 548 (40 MPH)



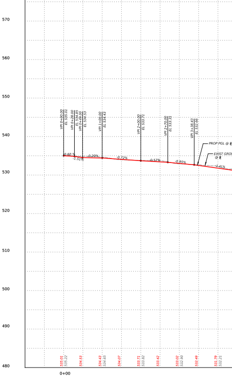

WATERCOURSE PL
WATERSCAPE BLVD
CLEARMIST WAY
FM 548
ROYSE CITY LIMIT
ETJ
FATE CITY LIMIT
30' STORAGE
265' DECELERATION
100' TAPER
END WATERSCAPE BLVD
STA 06+26.54
END
RETAINING WALL
STA 168+58.38
OFF 61.62' LT
BEGIN
RETAINING
WALL
STA 166+94.65
OFF 63.00' LT
100' STORAGE
265' DECELERATION
100' TAPER
℄ FM 548 STA. 165+91.14 =
℄ WATERSCAPE BLVD
STA. 5+00.00
EXIST 2-36" RCP
CULVERT
TO BE EXTENDED
STA 166+74.22
PROPOSED EASEMENT
PROPOSED ROW
EXIST ROW
R = 4000'
R = 3987'
R = 7000'
R = 6990'
R = 3476'
R = 4000'
PC 172+22.66
PT 172+83.59
PC 173+58.44
PT 174+14.33
PC 176+26.36
END SHARED USE PATH
MATCH EXISTING
END PROJECT
CSJ 1014-02-048
STA 174+40.00
MATCH EXISTING PAVEMENT
END SIDEWALK
MATCH EXISTING
END CONCRETE PAVEMENT
BEGIN ASPHALT PAVEMENT
STA 172+00.00
240' TAPER
(TYP)
240' TAPER
TRANSITION 667.85'
℄ SUP
℄ FM 548
160+00
165+00
170+00
175+00
180+00
185+00
5+00
21
22
23
NB-045B
NB-045C
NB-045D
NB-045E
NB-045F
NB-045G
NB-045H
NB-045I
NB-045J
NB-045K
NB-045L
NB-045M
NB-045N
NB-045O
NB-045P
NB-045Q
NB-045R
NB-045S
NB-045T
NB-045U
NB-046
SB-060
SB-061
SB-062
SS09A
30' STORAGE (MIN)
40 MPH - 265' DECEL (USUAL)*
50' TAPER (MIN)
100' TAPER (USUAL)
14'
R=200'
R=100'

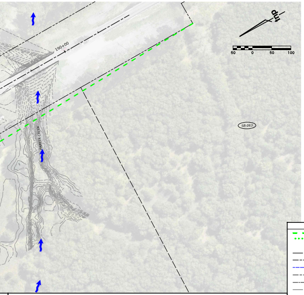
TYPICAL RIGHT TURN DETAIL
(NOT TO SCALE)

* DECELERATION LENGTHS
MODIFIED BY
TXDOT RDM TABLE 3-3



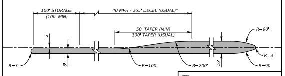
SHARED USE PATH




190+00
PARKER CREEK
SB-063
50
0
50
100

LEGEND

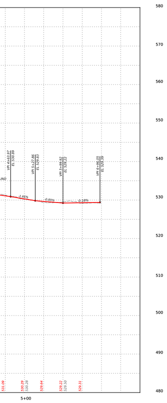
Symbol	Description	Symbol	Description
🟩 - - -	CITY LIMITS	🟥	POTENTIAL DISPLACEMENT
• • • •	ETJ LIMIT	▨	POTENTIAL IMPACT
→	DIRECTION OF TRAFFIC	▨	EXISTING FEMA FLOOD PLAIN ZONE AE
— - — -	PROPOSED CENTERLINE	▭	EXISTING FEMA FLOOD PLAIN ZONE A
— - - —	PROPOSED R.O.W.	🟧	PROPOSED CONCRETE PAVEMENT
- - - -	PROPOSED DRAINAGE EASEMENT	🟦	PROPOSED MILL & INLAY
— - - —	EXISTING R.O.W.	⬛	FUTURE BRIDGE BY OTHERS
—·—·—	EXISTING RAILROAD CENTERLINE	⬜	FUTURE PAVEMENT BY OTHERS
— - — -	IH-30 PLANNED ALIGNMENT	🟥	PROPOSED CONCRETE SIDESTREET
— — —	PROPERTY LINES	🟦	PROPOSED ASPHALT TRANSITION
- - - -	EXISTING PAVEMENT EDGE	🟪	PROPOSED CONCRETE DRIVEWAY
- - - -	EXISTING EASEMENT LINES	🟫	PROPOSED BRICK PAVERS
— — —	FUTURE BUILT BY OTHERS	🟨	PROPOSED SIDEWALK
- - - -	5' MAJOR CONTOUR ELEVATION	🟨	PROPOSED SHARED USE PATH
- - - -	1' MINOR CONTOUR ELEVATION	🟩	PROPOSED REMOVAL
▬▭▬▭	PROPOSED RETAINING WALL	➜	DIRECTION OF STREAM FLOW
— E-OHE — E-OHE —	EXISTING OVERHEAD ELECTRIC	⬡ X	CURVE DATA
— E-W — E-W —	EXISTING WATER	XB-XXX	PARCEL IDENTIFICATION NUMBER
— E-SS — E-SS —	EXISTING STORM SEWER	⊣	DRAINAGE STRUCTURE
— E-GAS — E-GAS —	EXISTING GAS	▨	PROPOSED RIPRAP
— E-TEL — E-TEL —	EXISTING TELEPHONE	YYY	DITCH GRADING
— E-FO — E-FO —	EXISTING FIBER OPTIC	— • •	PROPOSED DITCH
— E-CATV — E-CATV —	EXISTING CABLE TELEVISION		
— E-UGE — E-UGE —	EXISTING UNDERGROUND ELECTRIC		


100' STORAGE
(100' MIN)
40 MPH - 265' DECEL (USUAL)*
50' TAPER (MIN)
100' TAPER (USUAL)
2'
6'
16'
R=3'
R=100'
R=200'
R=90'
R=3'
R=90'

* DECELERATION LENGTHS
MODIFIED BY
TXDOT RDM TABLE 3-3

TYPICAL MEDIAN DETAIL
(NOT TO SCALE)

NOTE:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.



FM548 CURVE DATA

FM548 CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
20		153+93.15	7032157.23	2633258.00	44.36° R	1,040.00	5.51°	423.95	805.12	S 21.38° W	785.16	149+69.06	157+74.32	S 0.80° E	S 43.55° W
21		172+53.13	7030778.27	2631946.92	3.36° L	1,040.00	5.51°	30.47	60.92	S 41.88° W	60.91	172+22.66	172+83.59	S 43.55° W	S 40.20° W
22		173+86.39	7030676.47	2631860.90	3.08° R	1,040.00	5.51°	27.96	55.90	S 41.74° W	55.89	173+58.44	174+14.34	S 40.20° W	S 43.28° W
23		177+48.14	7030413.09	2631612.90	44.19° L	300.00	19.10°	121.78	231.37	S 21.18° W	225.68	176+26.36	178+57.73	S 43.28° W	S 0.91° E
POT		191+91.68	7028957.54	2631636.04				1,333.95							S 0.91° E

CENTERLINE CRENSHAW RD CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
SS08A		13+23.92	7032031.82	2633466.58	22.73° R	500.00	11.46°	100.49	198.34	S 57.64° E	197.05	12+23.43	14.21.77	S 69.00° E	S 46.27° E

CENTERLINE WATERSCAPE BLVD CURVE DATA

CURVE NO.	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
SS09A		8+84.73	7030992.93	2632681.88	25.33° R	900.00	6.37°	202.22	397.85	S 33.78° E	394.62	6+82.50	10+80.35	S 46.45° E	S 21.12° E

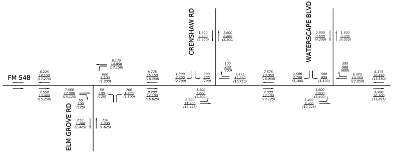
OWNER INFORMATION TABLE

PARCEL NO	OWNER'S NAME	SITUS ADDRESS	ACRES
NB-042D-E	BAHAMAS LAGUNA AZURE, LLC	FM 548 ROYSE CITY, TX	340.92
NB-043	PATRICIA ELLEN MONCUS	3917 S. FM 548 ROYSE CITY, TX	7.63
NB-044	BAHAMAS LAGUNA AZURE, LLC	FM 548 ROYSE CITY, TX	93.17
NB-045A	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 3-X BLOCK E ROYSE CITY, TX	4.81
NB-045B	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 1BLOCK E ROYSE CITY, TX	
NB-045C	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT XX BLOCK E ROYSE CITY, TX	
NB-045D	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT XX BLOCK E ROYSE CITY, TX	
NB-045E	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 2-X BLOCK A ROYSE CITY, TX	5.04
NB-045F	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 1BLOCK A ROYSE CITY, TX	0.17
NB-045G	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 2 BLOCK A ROYSE CITY, TX	0.14
NB-045H	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 3 BLOCK A ROYSE CITY, TX	0.14
NB-045I	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 4 BLOCK A ROYSE CITY, TX	0.14
NB-045J	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 5 BLOCK A ROYSE CITY, TX	0.14
NB-045K	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 6 BLOCK A ROYSE CITY, TX	0.14
NB-045L	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 7 BLOCK A ROYSE CITY, TX	0.14
NB-045M	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 8 BLOCK A ROYSE CITY, TX	0.14
NB-045N	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 9 BLOCK A ROYSE CITY, TX	0.14
NB-045O	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 10 BLOCK A ROYSE CITY, TX	0.14
NB-045P	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 11BLOCK A ROYSE CITY, TX	0.14
NB-045Q	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 12 BLOCK A ROYSE CITY, TX	0.15
NB-045R	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 13 BLOCK A ROYSE CITY, TX	0.18
NB-045S	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 14 BLOCK A ROYSE CITY, TX	0.23
NB-045T	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 15 BLOCK A ROYSE CITY, TX	0.24
NB-045U	WATERSCAPE HOMEOWNERS ASSOCIATION, INC.	WATERSCAPE PH. 1, LOT 1-X BLOCK A ROYSE CITY, TX	4.18
NB-046	VENTURE ANNA 48, LLC	FM 548 ROYSE CITY, TX	322.35
SB-058	WILLIAM SEFZIK	FM 548 ROYSE CITY, TX	2.76
SB-059	JERRY D. NEWELL AND PAMELA F. NEWELL	FM 548 ROYSE CITY, TX	61.20
SB-060	SANDSTONE OUTER LOOP PARTNERS, LP	FM 548 ROYSE CITY, TX	91.10
SB-061	ROBERT SORRELLS AS INDEPENDENT EXECUTOR OF THE ESTATE OF LYNDON B. SORRELLS	FM 548 ROYSE CITY, TX	110
SB-062	JUSTIN WADE AND ANGELA WADE	FM 548 ROYSE CITY, TX	16.02
SB-063	EDUARDO HERNANDEZ	FM 548 ROYSE CITY, TX	20.00

SUPERELEVATION TABLE

SUPERELEVATION TABLE

SOUTHBOUND STATION	SUPERELEVATION e%	NORTHBOUND STATION	SUPERELEVATION e%
173+80	-2.00%	173+80	2.00%
174+40	-2.94%	174+40	2.88%


FM 548
ELM GROVE RD
CRENSHAW RD
WATERSCAPE BLVD
8,225
14,150
(17,275)
7,550
13,000
(15,250)
7,500
12,900
(15,125)
50
100
(125)
8,175
14,050
(17,150)
600
1,100
(1,300)
50
100
(125)
700
1,200
(1,500)
650
1,200
(1,425)
750
1,300
(1,625)
8,775
15,150
(18,450)
8,200
14,100
(16,625)
1,300
2,300
(2,700)
300
600
(700)
1,500
2,600
(3,200)
6,700
11,500
(13,425)
1,600
2,900
(3,400)
1,600
2,800
(3,500)
100
200
(300)
7,475
12,850
(15,750)
7,575
13,050
(16,050)
7,000
12,100
(14,125)
1,500
2,700
(3,100)
500
900
(1,100)
1,600
2,800
(3,400)
5,400
9,300
(10,725)
2,000
3,600
(4,200)
1,900
3,300
(4,000)
300
500
(600)
6,075
10,350
(12,950)
6,375
10,850
(13,550)
5,900
10,200
(11,825)

LEGEND

999 - YEAR 2030 ADT
999 - YEAR 2050 ADT
(999) - YEAR 2060 ADT

TxDOT TPP APPROVAL PENDING
TRAFFIC DATA PROVIDED BY OTHON, INC. ON 04-26-2023

TRAFFIC DIAGRAMS

NOTES:

1. PROPERTY OWNERSHIP DATA FROM R.C.A.D. 04-10-2023.
2. EXISTING TOPO CURRENT AS OF 01-09-2023.
3. MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENT.
4. SUPERELEVATION AXIS OF ROTATION IS ABOUT PGL.
5. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE).
6. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48397C0055L.
7. EXISTING CULVERT LOCATIONS, SIZE AND ELEVATIONS WERE OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
9. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
10. CURBS ARE TYPE II (8") UNLESS NOTED OTHERWISE.
11. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.

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Texas Department of Transportation

DALLAS DISTRICT

CEASON CLEMENS, P.E. DISTRICT ENGINEER

DESIGN SCHEMATIC

60% SUBMITTAL

ROCKWALL COUNTY

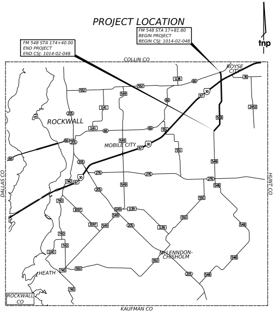
FM 548

FROM: SH 66
TO: SOUTH OF CRENSHAW RD
PROJECT LENGTH: 2.966 MILES (15,658.17 FT)
TERRIAN (LEVEL)

CSJ: 1014-02-048

ROADWAY SECTION	DESIGN SPEED	FUNCTIONAL CLASS
FM 548	40 MPH	URBAN COLLECTOR STREET
ELM GROVE RD	35 MPH	LOCAL
CRENSHAW RD	35 MPH	LOCAL
WATERSCAPE BLVD	35 MPH	LOCAL

PROJECT LOCATION



FM 548 STA 17+81.80
BEGIN PROJECT
BEGIN CSJ: 1014-02-048

FM 548 STA 174+40.00
END PROJECT
END CSJ: 1014-02-048

tnp
COLLIN CO
ROYSE CITY
ROCKWALL
MOBILE CITY
DALLAS CO
HUNT CO
HEATH
MCLENNDON-CHISHOLM
ROCKWALL CO
KAUFMAN CO
548
552
549
1141
1138
66
30
67
35
2453
205
551
276
740
3097
1139
550
1140

PREPARED BY TEAGUE NALL AND PERKINS, INC.
FIRM REGISTRATION NUMBER 230

DATE APPROVED

This document is for interim review and is not intended for construction, bidding or permit purposes.

Jeffrey W. Phillpp,
P.E. Tx. Reg. 129834
5/8/2024

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Fort Worth, Texas 76137
817.336.5773 ph
www.tnpinc.com
[illegible]

50 0 50 100
HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 10'
SCALE IN FEET

ROLL 3 OF 4

MAY 2024