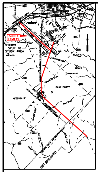
HIGHWAY: SPUR 10
DESCRIPTION:
FROM: US 59
TO: SH 36 DATE:
CSJ NO.: 0187-05-048, ETC. REVISION DATE:
FILE NO.: APPROVAL DATE:


SHEET LIMITS
SPUR 10 STUDY AREA
NEEDVILLE
FORT BEND COUNTY

VICINITY MAP
N.T.S.

RURAL ARTERIAL DESIGN SPEED IS 70 MPH

TRINITY RD. DESIGN SPEED IS 40 MPH

SCHEMATIC LAYOUT
FORT BEND COUNTY
SPUR 10
FROM: US 59
TO: SH 36
Texas Department of Transportation
HOUSTON DISTRICT
DATE:
ORIGINAL APPROVED:
REVISED:
REVISION(S) APPROVED:

NOT A BIDDING DOCUMENT

GARY GEHBAUER, P.E.
71173
TEXAS REGISTRATION NUMBER

DATE

SCALE: 0 100 200 300 400

LEGEND

PLAN LEGEND

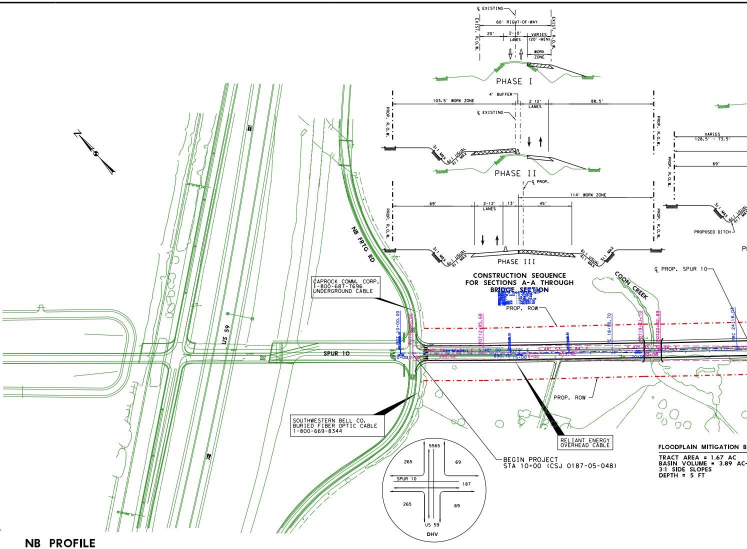
SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	━	5	BLACK	0
FRONTAGE ROADS AND RAMPS	─	1	BLUE	1
TURNAROUNDS	─	1	BLUE	1
EXISTING RDWY TO BE REMOVED	▰ ▰	0	BLACK	0
EXISTING RDWY TO REMAIN	─	2	GREEN	2
EMBANKMENT	─^─^─	3	RED	3
CONTROL OF ACCESS	─‖─	3	RED	3
PROP ROW	━ · ━	5	BLACK	0
EXISTING ROW	— —	0	BLACK	0
ACCESS ROAD	·······	1	BLUE	1
PLANIMETRIC	◌	2	GREEN	2
TRAFFIC COUNT YEAR (2021) DHV	▬	0	BLACK	0
EXISTING LANE DIRECTIONAL INDICATOR	⇨	0	BLACK	0
PROPOSED LANE DIRECTIONAL INDICATOR	➡	0	BLACK	0
DIRECT CONNECTOR	─	4	ORANGE	6
DEPRESSED	─⌃─⌃─	3	RED	3
FUTURE	– – –	1	BLUE	1
RETAINING WALL	━	6	RED	3
STRIPING	▰ ▰	0	ORANGE	6
HIGH OCCUPANCY VEHICLE	▬	7	TURQUOISE	65
OVERHEAD EXPRESSWAY LANES	▬	9	BROWN	7
TEMPORARY CONNECTIONS	▬	10	PURPLE	37
RDWY. UNDER CONSTRUCTION	─	5	LT GREEN	197
RECOMMENDED NOISE ABATEMENT WALL	▬	10	PURPLE	203

PROFILE LEGEND

PROP. PGL	├─┤
EXIST. PGL	— —
EXISTING GROUND	— —
EXISTING R.O.W. LT	— —
EXISTING R.O.W. RT	— —
100 YEAR WATER SURFACE ELEVATION	─

UTILITY LEGEND

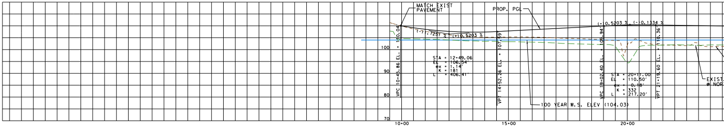
EXISTING TELEPHONE COPPER CABLE	— — C— — — — C— —
EXISTING PVC CONTAINING TELEPHONE LINES (UNLESS NOTED OTHERWISE)	— — T— — — — T— —
EXISTING WATERLINE	– – W– – – – W– –
EXISTING GAS UTILITY OR GAS PIPELINE	— — GAS — — — — GAS — ·
EXISTING TELEPHONE PULL BOX	■
EXISTING TELEPHONE MANHOLE	●
EXISTING TELEPHONE EQUIPMENT ROOM OR SHELTER	▼
PRIVATE WATER WELL	◎W
EXISTING CASING	▨
PROPOSED CASING	▨
EASEMENT	— — — — — ·


℄ EXISTING
EXIST. R.O.W.
60' RIGHT-OF-WAY
20'
2-10' LANES
VARIES (20'-MIN)
WORK ZONE
PHASE I
4' BUFFER
103.5' WORK ZONE
2 12' LANES
88.5'
PROP. R.O.W.
3:1 MAX
6:1 USUAL 4:1 MAX
PHASE II
℄ PROP.
114' WORK ZONE
69'
2-12' LANES
13'
45'
PHASE III
VARIES 128.5' - 73.5'
PROPOSED DITCH
US 59
NB FRTG RD
SPUR 10
CAPROCK COMM. CORP.
1-800-687-7696
UNDERGROUND CABLE
SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344
COON CREEK
℄ PROP. SPUR 10
PROP. ROW
BEGIN PROJECT
STA 10+00 (CSJ 0187-05-048)
RELIANT ENERGY
OVERHEAD CABLE
5565
265
69
187
SPUR 10
US 59
DHV

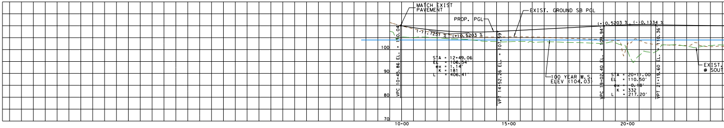
CONSTRUCTION SEQUENCE FOR SECTIONS A-A THROUGH BRIDGE SECTION

FLOODPLAIN MITIGATION B
TRACT AREA = 1.67 AC
BASIN VOLUME = 3.89 AC-
3:1 SIDE SLOPES
DEPTH = 5 FT

NB PROFILE



SB PROFILE



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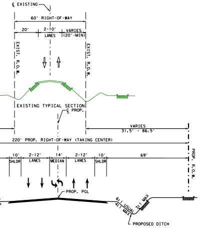
Texas Department of Transportation

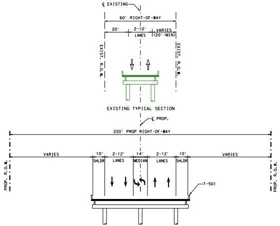
BROWN & GAY ENGINEERS, INC.
CIVIL ENGINEERS & SURVEYORS
HOUSTON, TEXAS

SPUR 10

SCHEMATIC LAYOUT

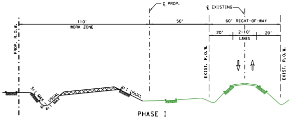

℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10' LANES
VARIES (20'-MIN)
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
VARIES 31.5' - 86.5'
220' PROP. RIGHT-OF-WAY (TAKING CENTER)
10' SHLDR
2-12' LANES
14' MEDIAN
2-12' LANES
10' SHLDR
69'
PROP. R.O.W.
PROP. PGL
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH

PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
SECTION A-A
STA 11+92 - STA 19+75
STA 20+47 - STA 29+64
STA 30+36 - STA 34+75

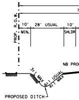

℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10' LANES
VARIES (20'-MIN)
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' PROP RIGHT-OF-WAY
VARIES
10' SHLDR
2-12' LANES
14' MEDIAN
2-12' LANES
10' SHLDR
VARIES
PROP. R.O.W.
T-501

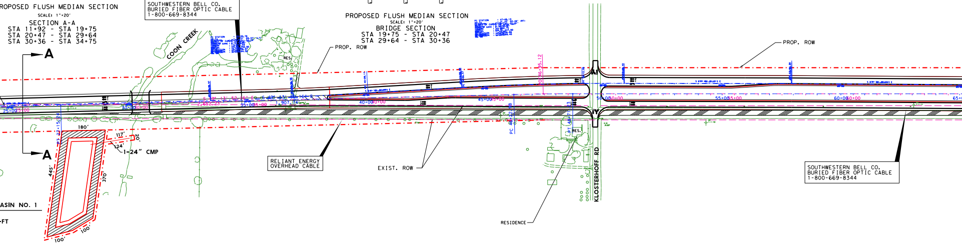
PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
BRIDGE SECTION
STA 19+75 - STA 20+47
STA 29+64 - STA 30+36

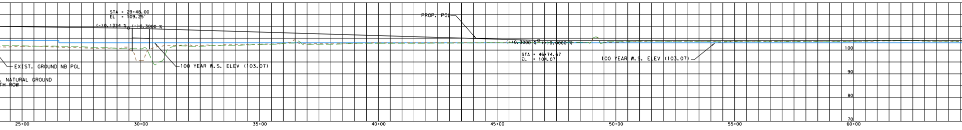
CONSTRUCTION SEQUENCE FOR SECTIONS B-B THROUGH G-G

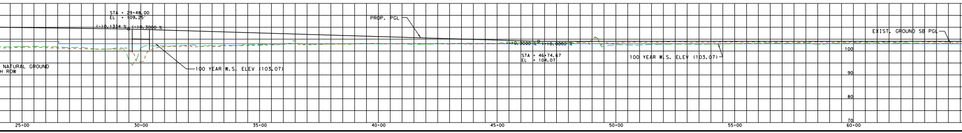

℄ PROP.
℄ EXISTING
PROP. R.O.W.
110' WORK ZONE
50'
60' RIGHT-OF-WAY
20'
2-10' LANES
20'
EXIST. R.O.W.
3:1 MAX
4:1 MAX
6:1 USUAL
6:1 USUAL

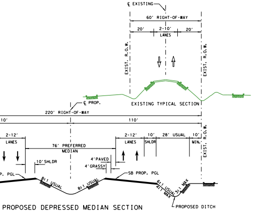
PHASE I
SCALE: 1"=20'


PROP. R.O.W.
10' MIN.
28' USUAL
10' SHLDR
NB PROP
3:1 MAX
6:1 USUAL
4:1 MAX
PROPOSED DITCH


SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344
COON CREEK
A
A
RES.
PROP. ROW
PROP. ROW
180'
117'
20'
24'
1-24" CMP
445'
370'
100'
100'
BASIN NO. 1
FT
RELIANT ENERGY
OVERHEAD CABLE
EXIST. ROW
RES.
KLOSTERHOFF RD
RESIDENCE
SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344
25+00
40+00
45+00
50+00
55+00
60+00
65+







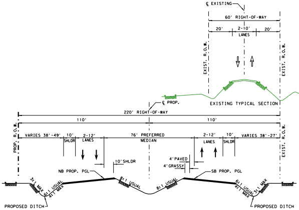
℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10'
20'
LANES
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
10'
110'
2-12'
LANES
76' PREFERRED
MEDIAN
2-12'
LANES
10'
SHLDR
28' USUAL
10'
MIN.
EXIST. R.O.W.
10' SHLDR
4' PAVED
4' GRASSY
P. PGL
SB PROP. PGL
8:1 USUAL
8:1 USUAL
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH

PROPOSED DEPRESSED MEDIAN SECTION

SCALE: 1"=20'

SECTION B-B

STA 34+75 - STA 82+37



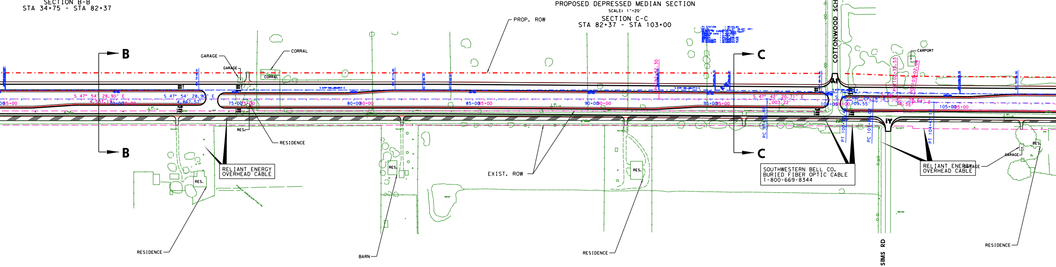
℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10'
20'
LANES
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
110'
110'
PROP. R.O.W.
VARIES 38'-49'
10'
SHLDR
2-12'
LANES
76' PREFERRED
MEDIAN
2-12'
LANES
10'
SHLDR
VARIES 38'-27'
EXIST. R.O.W.
10' SHLDR
4' PAVED
4' GRASSY
NB PROP. PGL
SB PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
8:1 USUAL
8:1 USUAL
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH
PROPOSED DITCH

PROPOSED DEPRESSED MEDIAN SECTION

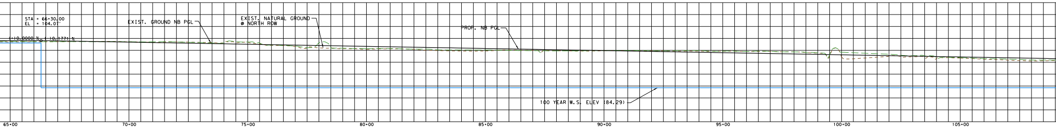
SCALE: 1"=20'

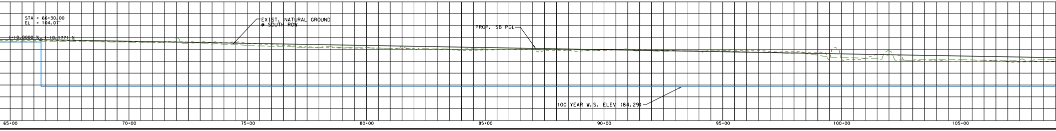
SECTION C-C

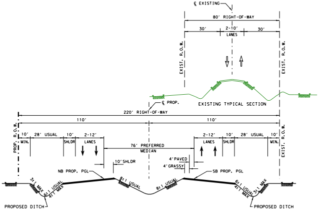
STA 82+37 - STA 103+00



PROP. ROW
COTTONWOOD SCHOOL RD
B
B
C
C
GARAGE
GARAGE
CORRAL
CORRAL
CARPORT
S 47° 54' 28.90" E
4,587.19'
S 47° 54' 28.90" E
4,867.57'
S 47° 42' 20.71" E
1,003.22'
75+00
80+00
85+00
90+00
95+00
100+00
105+00
RES.
RESIDENCE
RELIANT ENERGY
OVERHEAD CABLE
RES.
RES.
RES.
EXIST. ROW
SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344
RELIANT ENERGY
OVERHEAD CABLE
GARAGE
RES.
RESIDENCE
BARN
RESIDENCE
RESIDENCE
SIMS RD





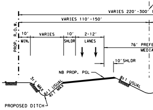

℄ EXISTING
80' RIGHT-OF-WAY
30'
2-10' LANES
30'
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
110'
110'
PROP. R.O.W.
10' MIN.
28' USUAL
10' SHLDR
2-12' LANES
76' PREFERRED MEDIAN
2-12' LANES
10' SHLDR
28' USUAL
10' MIN.
EXIST. R.O.W.
10' SHLDR
4' PAVED
4' GRASSY
NB PROP. PGL
SB PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
8:1 USUAL
8:1 USUAL
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH
PROPOSED DITCH

PROPOSED DEPRESSED MEDIAN SECTION

SCALE: 1"=20'

SECTION D-D

STA 103+00 - STA 170+00


VARIES 220'-300'
VARIES 110'-150'
PROP. R.O.W.
10' MIN.
VARIES
10' SHLDR
2-12' LANES
76' PREFE
MEDIA
10' SHLDR
NB PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
8:1 USUAL
PROPOSED DITCH

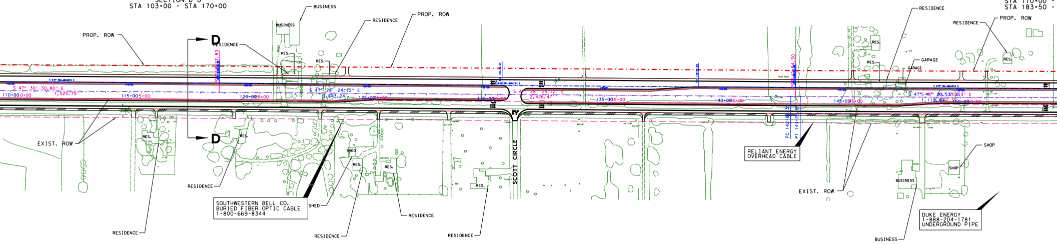
PROPOSED DEPRESSED

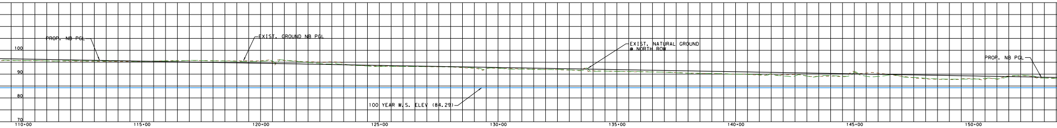
SCALE: 1

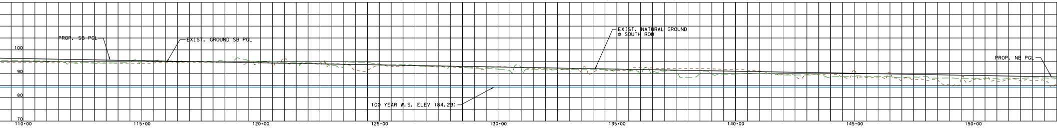
SECTION

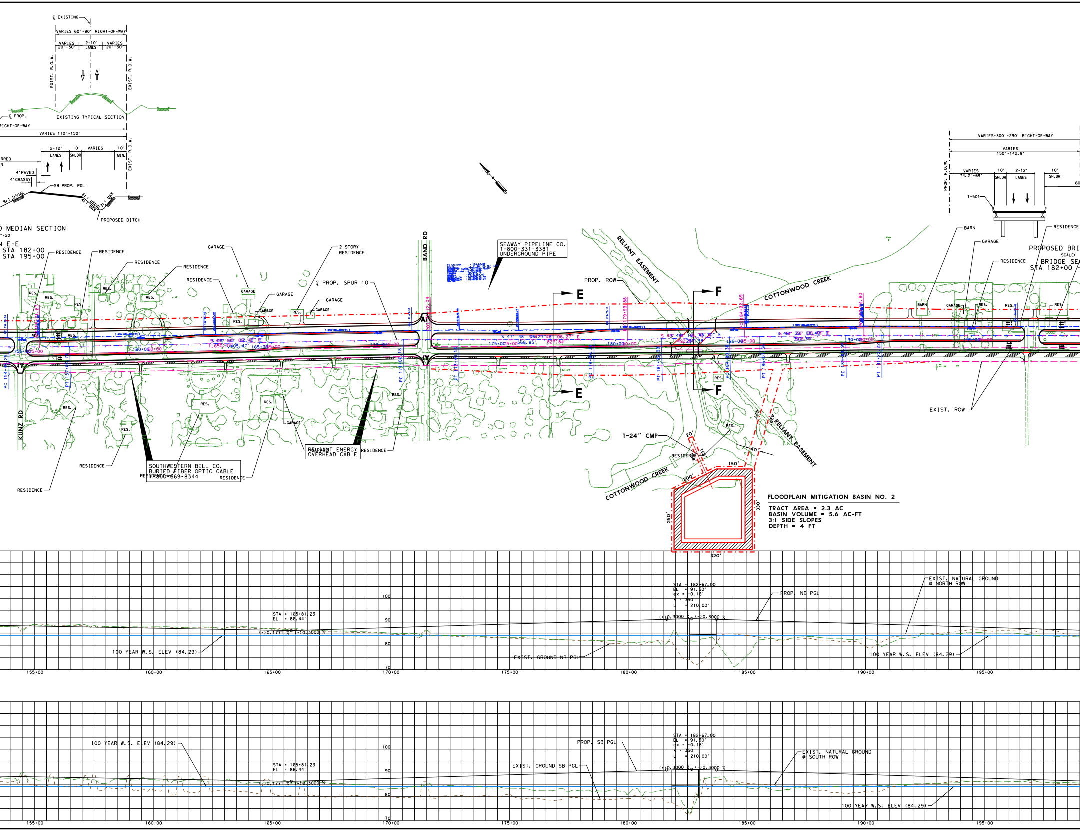
STA 170+00 -

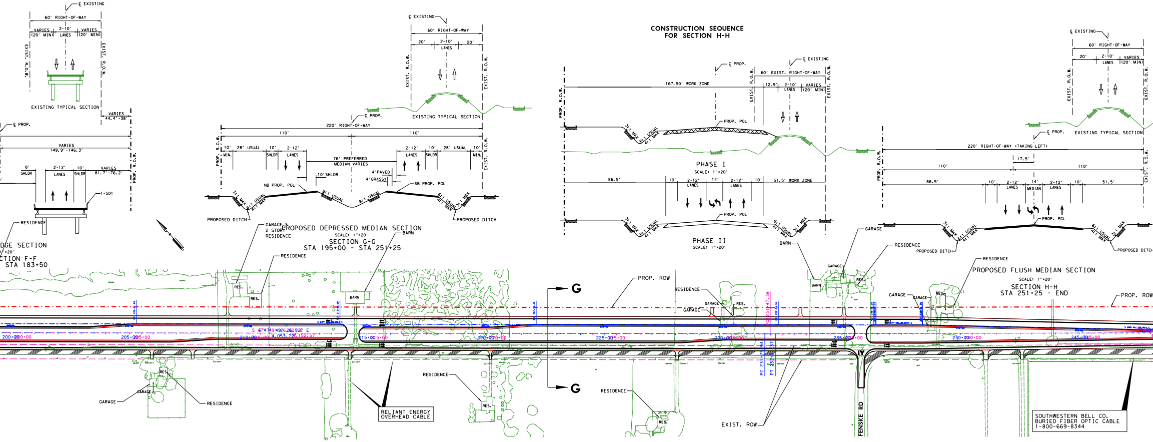
STA 183+50 -

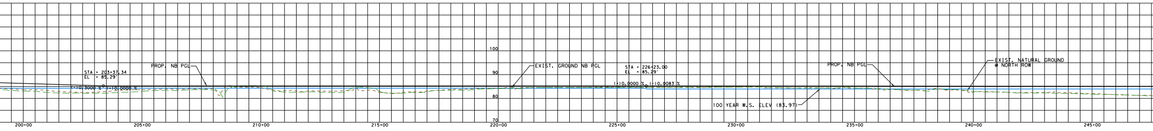

BUSINESS
BUSINESS
RESIDENCE
PROP. ROW
PROP. ROW
D
RESIDENCE
RES.
RES.
S 47° 30' 30.80" E
1,525.75'
110+00 0+00
115+00 5+00
120+00 20+00
S 47° 28' 24.12" E
3,843.24'
125+00 25+00
130+00 30+00
S 47° 28' 24.12" E
2,426.47'
135+00 35+00
140+00 40+00
PC 142+85.39
PT 143+29.89
145+00 45+00
S 47° 20' 53" E
1,119.40'
150+00 50+00
EXIST. ROW
D
RES.
RES.
SHED
RES.
RES.
RES.
SCOTT CIRCLE
RESIDENCE
RESIDENCE
SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344
SHED
RESIDENCE
RESIDENCE
RESIDENCE
RESIDENCE
RESIDENCE
RES.
RES.
RES.
GARAGE
GARAGE
RELIANT ENERGY
OVERHEAD CABLE
EXIST. ROW
BUSINESS
SHOP
SHOP
DUKE ENERGY
1-888-204-1781
UNDERGROUND PIPE
BUSINESS

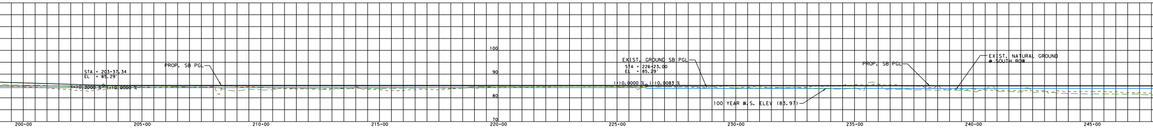


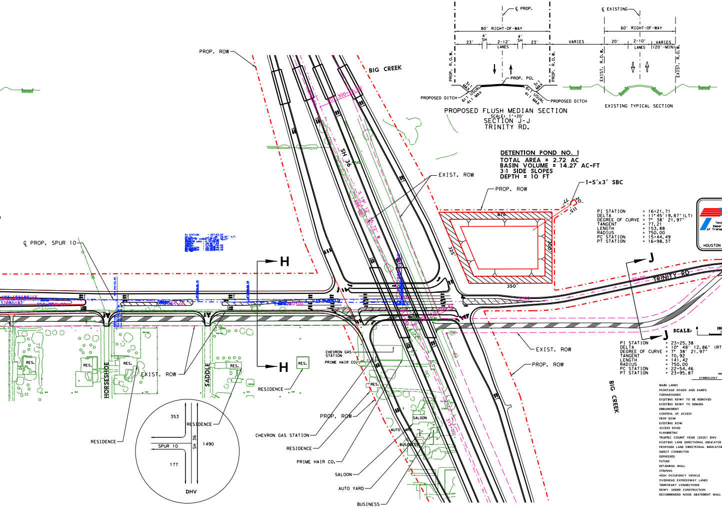



℄ EXISTING
VARIES 60'-80' RIGHT-OF-WAY
VARIES 20'-30'
2-10' LANES
VARIES 20'-30'
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
RIGHT-OF-WAY
VARIES 110'-150'
2-12' LANES
10' SHLDR
VARIES
10' MIN.
EXIST. R.O.W.
4' PAVED
4' GRASSY
SB PROP. PGL
8:1 USUAL
6:1 USUAL 4:1 MAX
3:1 MAX
PROPOSED DITCH
D MEDIAN SECTION
N E-E
STA 182+00
STA 195+00
VARIES-300'-290' RIGHT-OF-WAY
VARIES 150'-142.8'
PROP. R.O.W.
VARIES 74.2'-69'
10' SHLDR
2-12' LANES
10' SHLDR
T-501
PROPOSED BRI
SCALE:
BRIDGE SE
STA 182+00
RESIDENCE
GARAGE
2 STORY RESIDENCE
RES.
℄ PROP. SPUR 10
BAND RD
KUNZ RD
SEAWAY PIPELINE CO.
1-800-331-3381
UNDERGROUND PIPE
RELIANT EASEMENT
PROP. ROW
COTTONWOOD CREEK
BARN
E
F
EXIST. ROW
RELIANT ENERGY OVERHEAD CABLE
SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344
1-24" CMP
20'
150'
40'
200'
250'
330'
320'
FLOODPLAIN MITIGATION BASIN NO. 2
TRACT AREA = 2.3 AC
BASIN VOLUME = 5.6 AC-FT
3:1 SIDE SLOPES
DEPTH = 4 FT
S 49° 03' 02.12" E
1,650.6' 405.47'
S 47° 48' 56.27" E
568.85'
S 48° 38' 08.49" E
STA = 165+81.23
EL = 86.44'
(-)0.1771 %
(+)0.3000 %
STA = 182+67.00
EL = 91.50'
ex = -0.16'
K = 350
L = 210.00'
(-)0.3000 %
PROP. NB PGL
EXIST. NATURAL GROUND @ NORTH ROW
EXIST. GROUND NB PGL
100 YEAR W.S. ELEV (84.29)
PROP. SB PGL
EXIST. GROUND SB PGL
EXIST. NATURAL GROUND @ SOUTH ROW
100
90
80
70
155+00
160+00
165+00
170+00
175+00
180+00
185+00
190+00
195+00


℄ EXISTING
60' RIGHT-OF-WAY
VARIES (20' MIN)
2-10' LANES
VARIES (20' MIN)
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
VARIES 44.4'-38'
℄ PROP.
VARIES 149.9'-146.3'
8' SHLDR
2-12' LANES
10' SHLDR
VARIES 81.7'-76.2'
PROP. R.O.W.
T-501
RESIDENCE
DGE SECTION
1"=20'
CTION F-F
STA 183+50
℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10' LANES
20'
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
110'
110'
PROP. R.O.W.
10' MIN.
28' USUAL
10' SHLDR
2-12' LANES
76' PREFERRED MEDIAN VARIES
2-12' LANES
10' SHLDR
28' USUAL
10' MIN.
EXIST. R.O.W.
10'SHLDR
4'PAVED
4'GRASSY
NB PROP. PGL
SB PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
8:1 USUAL
8:1 USUAL
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH
PROPOSED DITCH
PROPOSED DEPRESSED MEDIAN SECTION
SCALE: 1"=20'
SECTION G-G
STA 195+00 - STA 251+25
GARAGE & 2 STORY RESIDENCE
RESIDENCE
BARN
CONSTRUCTION SEQUENCE FOR SECTION H-H
℄ PROP.
℄ EXISTING
PROP. R.O.W.
167.50' WORK ZONE
EXIST. R.O.W.
60' EXIST. RIGHT-OF-WAY
12.5'
2-10' LANES
VARIES (20' MIN)
EXIST. R.O.W.
PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
PHASE I
SCALE: 1"=20'
86.5'
10'
2-12' LANES
14'
2-12' LANES
10'
51.5' WORK ZONE
PROP. PGL
6:1 USUAL
4:1 MAX
3:1 MAX
PHASE II
SCALE: 1"=20'
BARN
GARAGE
RESIDENCE
℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10' LANES
VARIES (20' MIN)
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY (TAKING LEFT)
PROP. R.O.W.
17.5'
110'
110'
86.5'
10'
2-12' LANES
14' MEDIAN
2-12' LANES
10'
51.5'
EXIST. R.O.W.
PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
PROPOSED DITCH
PROPOSED DITCH
RESIDENCE
PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
SECTION H-H
STA 251+25 - END
PROP. ROW
RES.
RES.
BARN
S 47°49'26.82" E
4,053.72'
4,152.57'
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
240+00
245+00
G
G
PROP. ROW
RESIDENCE
GARAGE
RES.
GARAGE
POT 231+47.38
PC 231+75.94
PT 232+21.37
BARN
GARAGE
RES.
GARAGE
GARAGE
RES.
RES.
GARAGE
GARAGE
RESIDENCE
RELIANT ENERGY OVERHEAD CABLE
RESIDENCE
RES.
RESIDENCE
RES.
EXIST. ROW
FENSKE RD
SOUTHWESTERN BELL CO.
BURIED FIBER OPTIC CABLE
1-800-669-8344


100
90
80
70
STA = 203+37.34
EL = 85.29'
(-)0.3000 %
(+)0.0000 %
PROP. NB PGL
EXIST. GROUND NB PGL
STA = 226+23.00
EL = 85.29'
(+)0.0000 %
(-)0.0083 %
100 YEAR W.S. ELEV (83.97)
PROP. NB PGL
EXIST. NATURAL GROUND @ NORTH ROW
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
240+00
245+00


100
90
80
70
STA = 203+37.34
EL = 85.29'
(-)0.3000 %
(+)0.0000 %
PROP. SB PGL
EXIST. GROUND SB PGL
STA = 226+23.00
EL = 85.29'
(+)0.0000 %
(-)0.0083 %
100 YEAR W.S. ELEV (83.97)
PROP. SB PGL
EXIST. NATURAL GROUND @ SOUTH ROW
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
240+00
245+00



℄ PROP.
80' RIGHT-OF-WAY
23'
4' SH
2-12' LANES
4' SH
23'
VARIES
PROP. R.O.W.
PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
PROPOSED DITCH
℄ EXISTING
60' RIGHT-OF-WAY
20'
2-10' LANES
VARIES (20' MIN)
EXIST. R.O.W.
PROP. ROW
BIG CREEK
SH 36
EXIST. ROW
1-5'x3' SBC
476'
325'
350'
300'
20'
115'
TRINITY RD
20+00
25+00
℄ PROP. SPUR 10
H
J
RES.
HORSESHOE
SADDLE
EXIST. ROW
RESIDENCE
CHEVRON GAS STATION
PRIME HAIR CO.
SALOON
AUTO YARD
BUSINESS
BIG CREEK
353
RESIDENCE
SPUR 10
SH 36
1490
177
DHV

PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
SECTION J-J
TRINITY RD.

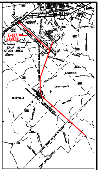
EXISTING TYPICAL SECTION

DETENTION POND NO. 1
TOTAL AREA = 2.72 AC
BASIN VOLUME = 14.27 AC-FT
3:1 SIDE SLOPES
DEPTH = 10 FT

PI STATION = 16+21.71
DELTA = 11° 45' 19.87" (LT)
DEGREE OF CURVE = 7° 38' 21.97"
TANGENT = 77.21
LENGTH = 153.88
RADIUS = 750.00
PC STATION = 15+44.49
PT STATION = 16+98.37

PI STATION = 23+25.38
DELTA = 10° 48' 12.86" (RT)
DEGREE OF CURVE = 7° 38' 21.97"
TANGENT = 70.92
LENGTH = 141.42
RADIUS = 750.00
PC STATION = 22+54.46
PT STATION = 23+95.87

SCALE: 0 100 200 300 400



SHEET LIMITS
Spur 10 Study Area
Needville

VICINITY MAP
N.T.S.

RURAL ARTERIAL DESIGN
SPEED IS 70 MPH

TRINITY RD. DESIGN
SPEED IS 40 MPH

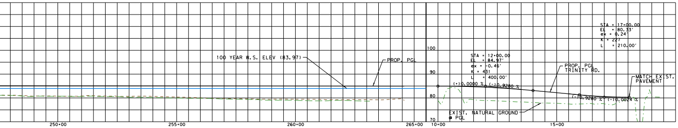
SCHEMATIC LAYOUT
FORT BEND COUNTY
SPUR 10
Texas Department of Transportation
FROM: US 59
TO: SH 36
HOUSTON DISTRICT
DATE: - -
ORIGINAL APPROVED: - -
REVISED: - -
REVISION(S) APPROVED: - -

HIGHWAY: SPUR 10
DESCRIPTION:
FROM: US 59
TO: SH 36
CSJ NO.:0187-05-048
FILE NO.:
DATE:
ETC.REVISION DATE:
APPROVAL DATE:

LEGEND

PLAN LEGEND

SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	━	5	BLACK	0
FRONTAGE ROADS AND RAMPS	─	1	BLUE	1
TURNAROUNDS	─	1	BLUE	1
EXISTING RDWY TO BE REMOVED	▰ ▰	0	BLACK	0
EXISTING RDWY TO REMAIN	─	2	GREEN	2
EMBANKMENT	─^─^─	3	RED	3
CONTROL OF ACCESS	─‖─	3	RED	3
PROP ROW	━ · ━	5	BLACK	0
EXISTING ROW	— —	0	BLACK	0
ACCESS ROAD	········	1	BLUE	1
PLANIMETRIC	○	2	GREEN	2
TRAFFIC COUNT YEAR (2021) DHV	▬	0	BLACK	0
EXISTING LANE DIRECTIONAL INDICATOR	⇨	0	BLACK	0
PROPOSED LANE DIRECTIONAL INDICATOR	➡	0	BLACK	0
DIRECT CONNECTOR	─	4	ORANGE	6
DEPRESSED	─v─v─	3	RED	3
FUTURE	– – –	1	BLUE	1
RETAINING WALL	━	6	RED	3
STRIPING	▰ ▰	0	ORANGE	6
HIGH OCCUPANCY VEHICLE	▬	7	TURQUOISE	65
OVERHEAD EXPRESSWAY LANES	▬	9	BROWN	7
TEMPORARY CONNECTIONS	▬	10	PURPLE	37
RDWY. UNDER CONSTRUCTION	─	5	LT GREEN	197
RECOMMENDED NOISE ABATEMENT WALL	▬	10	PURPLE	203



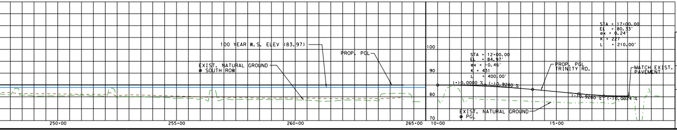
100 YEAR W.S. ELEV (83.97)
PROP. PGL
STA = 12+00.00
EL = 84.97'
ex = -0.46'
K = 431
L = 400.00'
(+)0.0000 %
(-)0.9280 %
PROP. PGL TRINITY RD.
STA = 17+00.00
EL = 80.33'
ex = 0.24'
K = 227
L = 210.00'
(-)0.9280 %
(-)0.0024 %
MATCH EXIST. PAVEMENT
EXIST. NATURAL GROUND @ PGL
100
90
80
70
250+00
255+00
260+00
265+00
10+00
15+00

PROFILE LEGEND

PROP. PGL	├─┤
EXIST. PGL	– – –
EXISTING GROUND	— —
EXISTING R.O.W. LT	— —
EXISTING R.O.W. RT	— —
100 YEAR WATER SURFACE ELEVATION	─

UTILITY LEGEND

EXISTING TELEPHONE COPPER CABLE	— — Cu— — — — Cu— —
EXISTING PVC CONTAINING TELEPHONE LINES (UNLESS NOTED OTHERWISE)	— — T— — — — T— —
EXISTING WATERLINE	— — ●— — — — ●— —
EXISTING GAS UTILITY OR GAS PIPELINE	— — GAS— — — — GAS— —
EXISTING TELEPHONE PULL BOX	■
EXISTING TELEPHONE MANHOLE	●
EXISTING TELEPHONE EQUIPMENT ROOM OR SHELTER	▼
PRIVATE WATER WELL	⊙W
EXISTING CASING	▨
PROPOSED CASING	▬
EASEMENT	— — — — —



100 YEAR W.S. ELEV (83.97)
PROP. PGL
EXIST. NATURAL GROUND @ SOUTH ROW
STA = 12+00.00
EL = 84.97'
ex = -0.46'
K = 431
L = 400.00'
(+)0.0000 %
(-)0.9280 %
PROP. PGL TRINITY RD.
STA = 17+00.00
EL = 80.33'
ex = 0.24'
K = 227
L = 210.00'
(-)0.9280 %
(-)0.0024 %
MATCH EXIST. PAVEMENT
EXIST. NATURAL GROUND @ PGL
100
90
80
70
250+00
255+00
260+00
265+00
10+00
15+00

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Texas Department of Transportation

BROWN & GAY ENGINEERS, INC.
CIVIL ENGINEERS & SURVEYORS
HOUSTON, TEXAS

SPUR 10

SCHEMATIC LAYOUT

$DATE$ $TIME$ $FILE$ $USER$