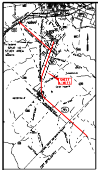
HIGHWAY: SH 36
DESCRIPTION: FM 2218
FROM: FORT BEND COUNTY LINE
TO:
CSJ NO.: 0187-05-048, ETC. REVISION DATE:
FILE NO.: APPROVAL DATE:
DATE:


SPUR 10 STUDY AREA
SHEET LIMITS
NEEDVILLE
36

VICINITY MAP
N.T.S.

**RURAL ARTERIAL DESIGN
SPEED IS 70 MPH**

**URBAN CURB & GUTTER
SECTION DESIGN
SPEED IS 40 MPH**

SCHEMATIC LAYOUT
FORT BEND COUNTY
SH36
FROM: FM 2218
TO: FORT BEND COUNTY LINE
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

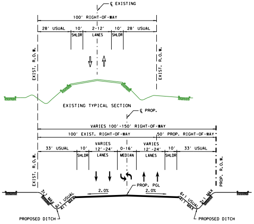
SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	━	5	BLACK	0
FRONTAGE ROADS AND RAMPS	─	1	BLUE	1
TURNAROUNDS	─	1	BLUE	1
EXISTING RDWY TO BE REMOVED	▰ ▰	0	BLACK	0
EXISTING RDWY TO REMAIN	─	2	GREEN	2
EMBANKMENT	─^─^─	3	RED	3
CONTROL OF ACCESS	─‖─	3	RED	3
PROP ROW	━ · ━	5	BLACK	0
EXISTING ROW	─ ─	0	BLACK	0
ACCESS 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

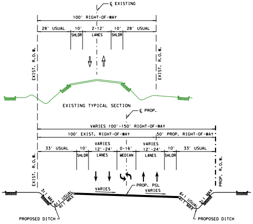
PROP. PGL	─
EXIST. PGL	─ ─
EXISTING GROUND	─ ─
EXISTING R.O.W. LT	─ ─
EXISTING R.O.W. RT	─ ─
100 YEAR WATER SURFACE ELEVATION	─

UTILITY LEGEND

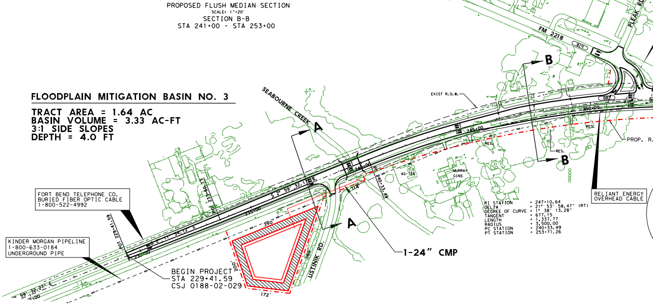
EXISTING TELEPHONE COPPER CABLE	─ ─ ⊕─ ─ ─
EXISTING PVC CONTAINING TELEPHONE LINES (UNLESS NOTED OTHERWISE)	─ ─ T─ ─ ─
EXISTING WATERLINE	─ ─ ●─ ─ ─
EXISTING GAS UTILITY OR GAS PIPELINE	─ ─ GAS─ ─ ─
EXISTING TELEPHONE PULL BOX	■
EXISTING TELEPHONE MANHOLE	●
EXISTING TELEPHONE EQUIPMENT ROOM OR SHELTER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


℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10'
2-12'
10'
28' USUAL
SHLDR
LANES
SHLDR
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
VARIES 100'-150' RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
50' PROP. RIGHT-OF-WAY
33' USUAL
10'
VARIES 12'-24'
0-16'
VARIES 12'-24'
10'
33' USUAL
SHLDR
LANES
MEDIAN
LANES
SHLDR
EXIST. R.O.W.
PROP. R.O.W.
PROP. PGL
2.0%
2.0%
3:1 MAX
6:1 USUAL
4:1 MAX
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH
PROPOSED DITCH

PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
SECTION A-A
BEGIN PROJECT - STA 241+00
STA 253+00 - STA 257+00


℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10'
2-12'
10'
28' USUAL
SHLDR
LANES
SHLDR
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
VARIES 100'-150' RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
50' PROP. RIGHT-OF-WAY
33' USUAL
10'
VARIES 12'-24'
0-16'
VARIES 12'-24'
10'
33' USUAL
SHLDR
LANES
MEDIAN
LANES
SHLDR
EXIST. R.O.W.
PROP. R.O.W.
PROP. PGL
VARIES
VARIES
3:1 MAX
6:1 USUAL
4:1 MAX
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH
PROPOSED DITCH

PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
SECTION B-B
STA 241+00 - STA 253+00

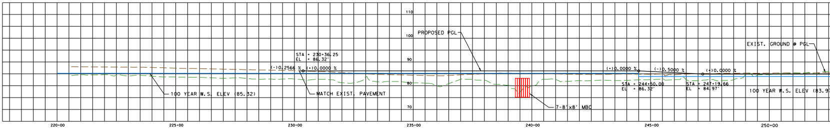

SEABOURNE CREEK
A
A
B
B
FM 2218
PLEAK RD.
EXIST R.O.W.
PROP. R.
RES.
RES.
RES.
AG-TEX
MURRAY GINS
USTINIK RD.
POT 229+41.59
POT 233+60.13
PC 240+33.49
S 2° 59' 32.1" E
59° 32.27"
230+00
235+00
240+00
245+00
250+00
390'
380'
200'
172'
1-24" CMP
FORT BEND TELEPHONE CO.
BURIED FIBER OPTIC CABLE
1-800-522-4992
KINDER MORGAN PIPELINE
1-800-633-0184
UNDERGROUND PIPE
BEGIN PROJECT
STA 229+41.59
CSJ 0188-02-029
RELIANT ENERGY
OVERHEAD CABLE

FLOODPLAIN MITIGATION BASIN NO. 3

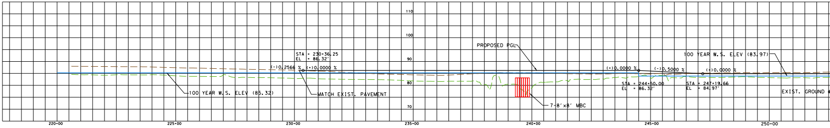
**TRACT AREA = 1.64 AC
BASIN VOLUME = 3.33 AC-FT
3:1 SIDE SLOPES
DEPTH = 4.0 FT**

PI STATION = 247+10.64
DELTA = 21° 53' 58.47" (RT)
DEGREE OF CURVE = 1° 38' 13.28"
TANGENT = 677.15
LENGTH = 1,337.77
RADIUS = 3,500.00
PC STATION = 240+33.49
PT STATION = 253+71.26

NB PROFILE



SB PROFILE



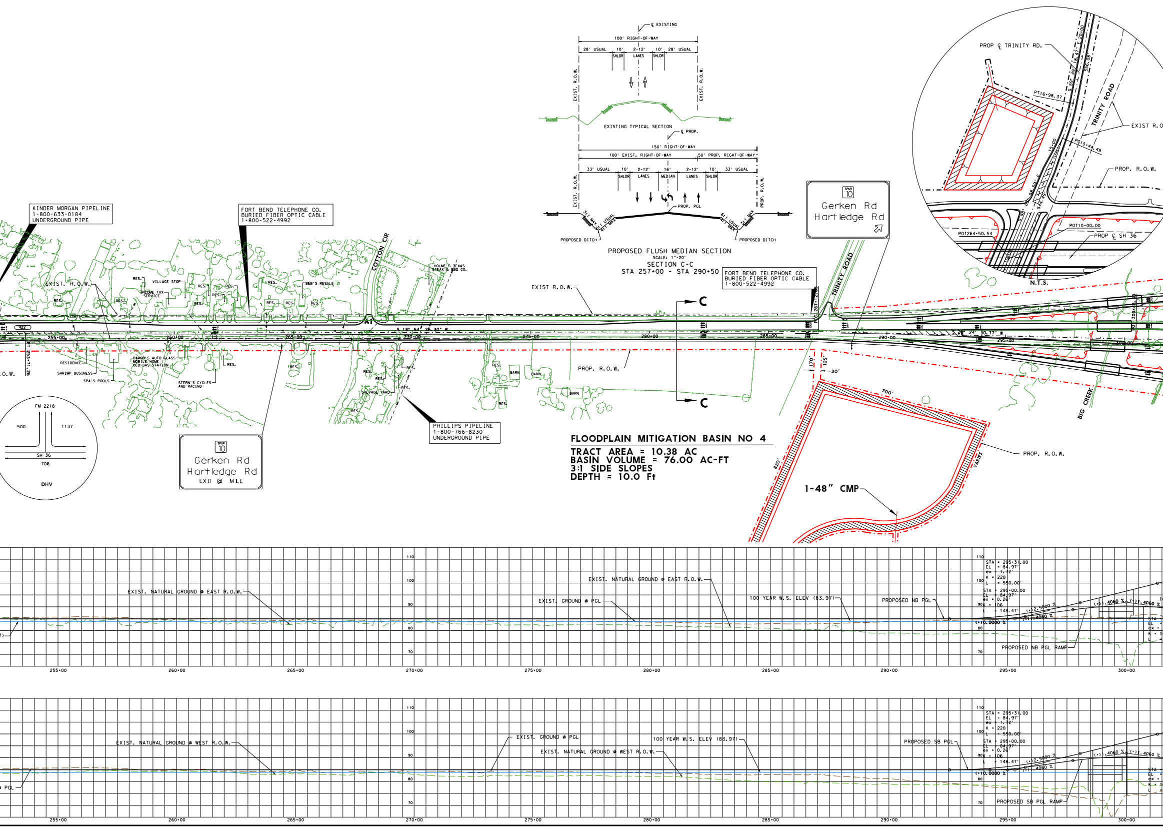
© 2003
Texas Department of Transportation

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

STATE HIGHWAY 36

SCHEMATIC LAYOUT

SHEET 1 OF 3


℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
150' RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
50' PROP. RIGHT-OF-WAY
33' USUAL
10' SHLDR
2-12' LANES
16' MEDIAN
2-12' LANES
10' SHLDR
33' USUAL
EXIST. R.O.W.
PROP. R.O.W.
PROP. PGL
3:1 MAX
6:1 USUAL
4:1 MAX
6:1 USUAL
3:1 MAX
PROPOSED DITCH
PROPOSED DITCH
KINDER MORGAN PIPELINE
1-800-633-0184
UNDERGROUND PIPE
FORT BEND TELEPHONE CO.
BURIED FIBER OPTIC CABLE
1-800-522-4992
COTTON CIR
HOLME'S TEXAS STEAK & BBQ CO.
EXIST. R.O.W.
RES.
VILLAGE STOP
INCOME TAX SERVICE
B&B'S RESALE
RESIDENCE
SHRIMP BUSINESS
SPA'S POOLS
DAMON'S AUTO GLASS
MOBILE HOME
OLD GAS STATION
STERN'S CYCLES AND RACING
SALVAGE YARD
BARN
922
255+00
260+00
265+00
270+00
275+00
280+00
285+00
290+00
295+00
300+00
S 18° 54' 26.30" W
S 26° 24' 30.77" W
PT 253+71.26
POT 287+12.86
EXIST R.O.W.
PROP. R.O.W.
C
C
170'
125'
20'
700'
820'
VARIES
PROP. R.O.W.
1-48" CMP
TRINITY ROAD
BIG CREEK
O.W.
SPUR 10
Gerken Rd
Hartledge Rd
SPUR 10
Gerken Rd
Hartledge Rd
EXIT @ MILE
FORT BEND TELEPHONE CO.
BURIED FIBER OPTIC CABLE
1-800-522-4992
PHILLIPS PIPELINE
1-800-766-8230
UNDERGROUND PIPE
FM 2218
500
1137
SH 36
706
DHV
PROP ℄ TRINITY RD.
PT16+98.37
PC15+44.49
S 59° 49' 18.47" E 200.00
556.08
15+00
S 59° 59' E
544.49
EXIST R.O.W.
PROP. R.O.W.
TRINITY ROAD
POT264+50.54
POT10+00.00
PROP ℄ SH 36
N.T.S.
EXIST. NATURAL GROUND @ EAST R.O.W.
EXIST. GROUND @ PGL
EXIST. NATURAL GROUND @ EAST R.O.W.
100 YEAR W.S. ELEV (83.97)
PROPOSED NB PGL
PROPOSED NB PGL RAMP
STA = 295+31.00
EL = 84.97'
ex = 1.12'
K = 220
L = 550.00'
STA = 295+00.00
EL = 84.97'
ex = 0.26'
K = 106
L = 148.47'
(+)0.0000 %
(+)2.5000 %
(+).4060 %
(-).4060 %
110
100
90
80
70
EXIST. NATURAL GROUND @ WEST R.O.W.
EXIST. GROUND @ PGL
EXIST. NATURAL GROUND @ WEST R.O.W.
100 YEAR W.S. ELEV (83.97)
PROPOSED SB PGL
PROPOSED SB PGL RAMP
PGL
STA = 295+31.00
EL = 84.97'
ex = 1.12'
K = 220
L = 550.00'
STA = 295+00.00
EL = 84.97'
ex = 0.26'
K = 106
L = 148.47'
(+)0.0000 %
(+)2.5000 %
(+).4060 %
(-).4060 %
255+00
260+00
265+00
270+00
275+00
280+00
285+00
290+00
295+00
300+00

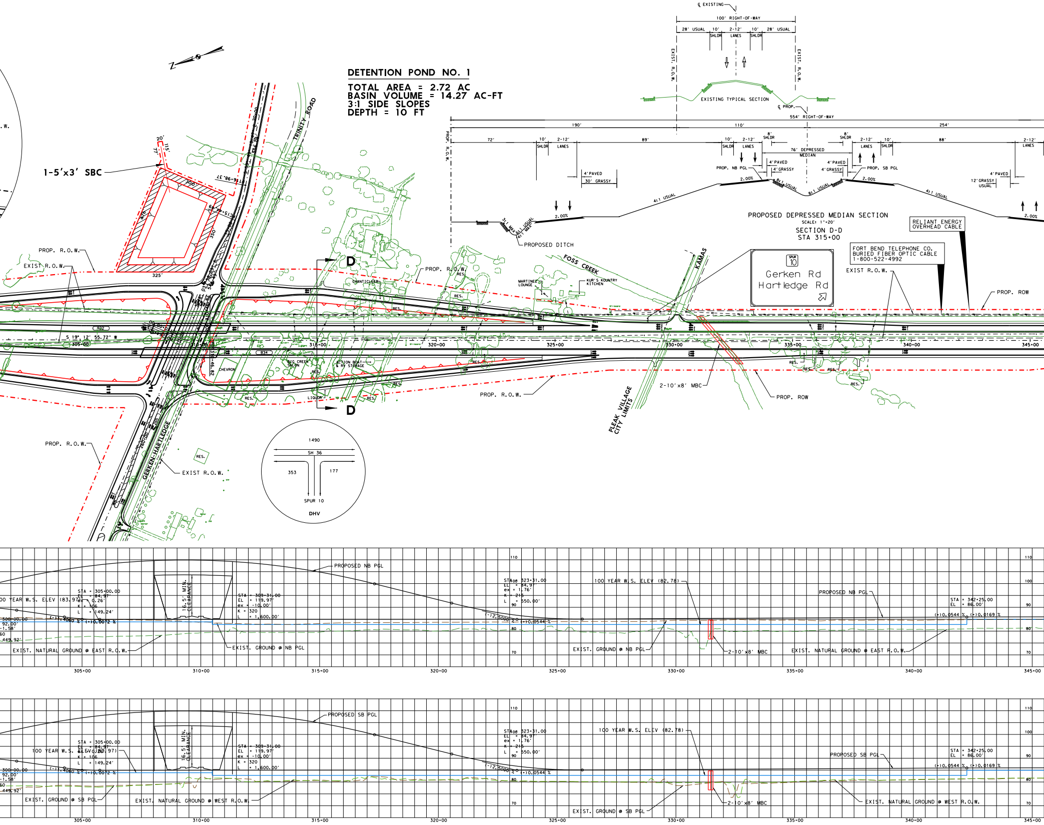
PROPOSED FLUSH MEDIAN SECTION
SCALE: 1"=20'
SECTION C-C
STA 257+00 - STA 290+50

FLOODPLAIN MITIGATION BASIN NO 4

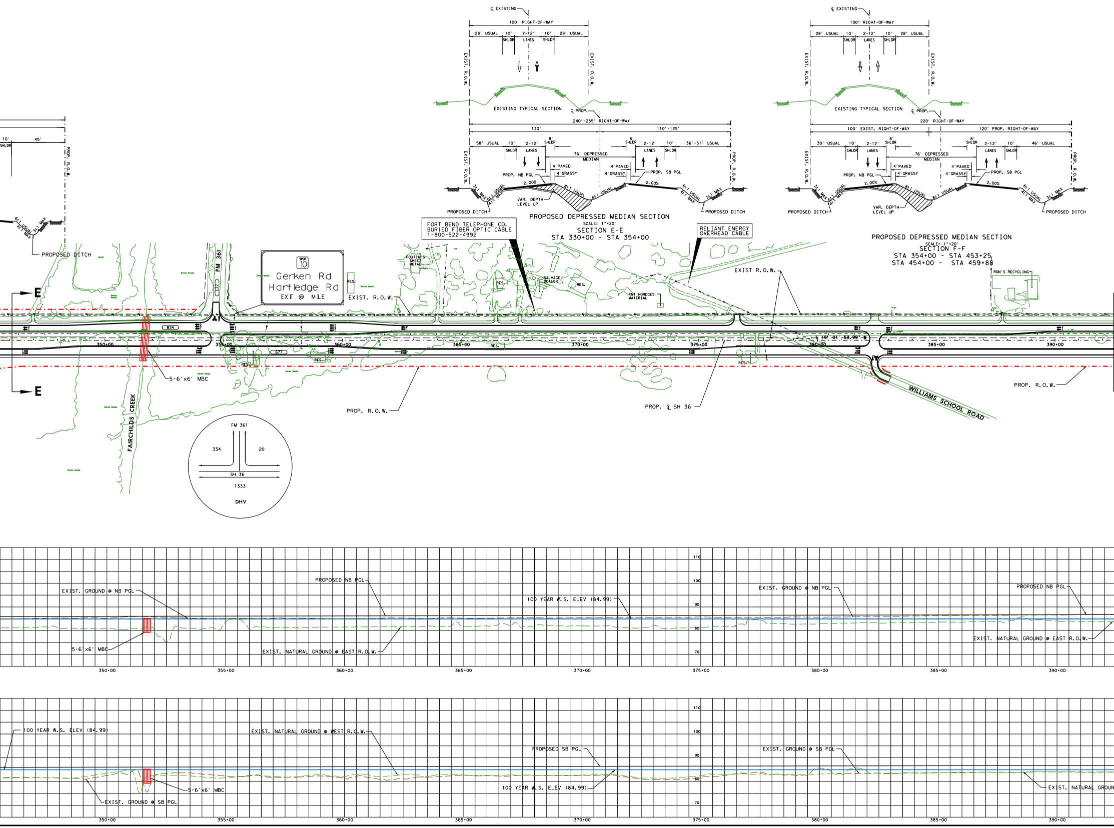
TRACT AREA = 10.38 AC
BASIN VOLUME = 76.00 AC-FT
3:1 SIDE SLOPES
DEPTH = 10.0 Ft

DETENTION POND NO. 1

TOTAL AREA = 2.72 AC
BASIN VOLUME = 14.27 AC-FT
3:1 SIDE SLOPES
DEPTH = 10 FT



℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
554' RIGHT-OF-WAY
190'
110'
254'
72'
89'
88'
PROP. R.O.W.
4' PAVED
30' GRASSY
76' DEPRESSED MEDIAN
4' GRASSY
PROP. NB PGL
PROP. SB PGL
2.00%
8:1 USUAL
4:1 USUAL
3:1 MAX
6:1 USUAL
4:1 MAX
12' GRASSY USUAL
PROPOSED DITCH
PROPOSED DEPRESSED MEDIAN SECTION
SCALE: 1"=20'
SECTION D-D
STA 315+00
RELIANT ENERGY OVERHEAD CABLE
FORT BEND TELEPHONE CO.
BURIED FIBER OPTIC CABLE
1-800-522-4992
EXIST R.O.W.
PROP. ROW
SPUR 10
Gerken Rd
Hartledge Rd
1-5'x3' SBC
20'
115'
300'
416'
350'
325'
PROP. R.O.W.
EXIST R.O.W.
TRINITY ROAD
FOSS CREEK
KAMAS
MARTINEZ LOUNGE
KUR'S KOUNTRY KITCHEN
CHANTICLEER
RES.
BIG CREEK SALON
ACTION BOAT & RV STORAGE
CHEVRON
LIQUOR
S 19° 12' 55.72" W
305+00
310+00
315+00
320+00
325+00
330+00
335+00
340+00
345+00
D
2-10'x8' MBC
PLEAK VILLAGE CITY LIMITS
GERKEN-HARTLEDGE
EXIST R.O.W.
1490
SH 36
353
177
SPUR 10
DHV
PROPOSED NB PGL
100 YEAR W.S. ELEV (83.97)
STA = 305+00.00
EL = 84.97'
ex = 0.26'
K = 106
L = 149.24'
16.5' MIN. CLEARANCE
STA = 309+31.00
EL = 119.97'
ex = -10.00'
K = 320
L = 1,600.00'
STA = 323+31.00
EL = 84.97'
ex = 1.76'
K = 215
L = 550.00'
100 YEAR W.S. ELEV (82.78)
STA = 342+25.00
EL = 86.00'
(-)1.4060 %
(+)0.0072 %
(-)2.5000 %
(+)0.0544 %
(+)0.0169 %
300+00.00
92.00'
-1.58'
449.92'
EXIST. NATURAL GROUND @ EAST R.O.W.
EXIST. GROUND @ NB PGL
PROPOSED SB PGL
EXIST. GROUND @ SB PGL
EXIST. NATURAL GROUND @ WEST R.O.W.
110
100
90
80
70



PROPOSED DEPRESSED MEDIAN SECTION
SCALE: 1"=20'
SECTION E-E
STA 330+00 - STA 354+00

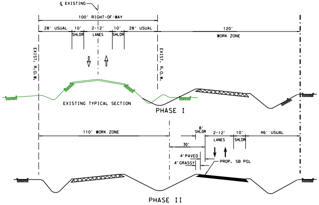
PROPOSED DEPRESSED MEDIAN SECTION
SCALE: 1"=20'
SECTION F-F
STA 354+00 - STA 453+25
STA 454+00 - STA 459+88

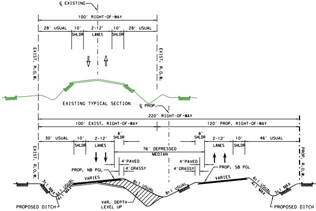
FORT BEND TELEPHONE CO.
BURIED FIBER OPTIC CABLE
1-800-522-4992

RELIANT ENERGY
OVERHEAD CABLE

℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10'
SHLDR
2-12'
LANES
10'
SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
240'-255' RIGHT-OF-WAY
130'
110'-125'
58' USUAL
10'
SHLDR
2-12'
LANES
8'
SHLDR
76' DEPRESSED
MEDIAN
8'
SHLDR
2-12'
LANES
10'
SHLDR
36'-51' USUAL
4'PAVED
4'GRASSY
4'PAVED
4'GRASSY
PROP. NB PGL
PROP. SB PGL
2.00%
2.00%
3:1 MAX
6:1 USUAL
4:1 MAX
8:1 USUAL
8:1 USUAL
6:1 USUAL
4:1 MAX
3:1 MAX
VAR. DEPTH
LEVEL UP
PROPOSED DITCH
PROPOSED DITCH
PROP. R.O.W.
℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10'
SHLDR
2-12'
LANES
10'
SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
120' PROP. RIGHT-OF-WAY
30' USUAL
10'
SHLDR
2-12'
LANES
8'
SHLDR
76' DEPRESSED
MEDIAN
8'
SHLDR
2-12'
LANES
10'
SHLDR
46' USUAL
4'PAVED
4'GRASSY
4'PAVED
4'GRASSY
PROP. NB PGL
PROP. SB PGL
2.00%
2.00%
3:1 MAX
6:1 USUAL
4:1 MAX
8:1 USUAL
8:1 USUAL
6:1 USUAL
4:1 MAX
3:1 MAX
VAR. DEPTH
LEVEL UP
PROPOSED DITCH
PROPOSED DITCH
PROP. R.O.W.
10'
SHLDR
45'
6:1 USUAL
4:1 MAX
3:1 MAX
PROPOSED DITCH
E
E
FM 361
177
SPUR 10
Gerken Rd
Hartledge Rd
EXIT @ MILE
RES.
EXIST. R.O.W.
FOUTIK'S SHEET METAL
RES.
SALVAGE DEALER
RES.
TNT HORDGES MATERIAL
EXIST R.O.W.
RON'S RECYCLING
834
677
350+00
355+00
360+00
365+00
370+00
375+00
380+00
385+00
390+00
RES.
RES.
RES.
RES.
S 19° 01' 59.99" E
5-6'x6' MBC
FAIRCHILDS CREEK
PROP. R.O.W.
PROP. ℄ SH 36
WILLIAMS SCHOOL ROAD
PROP. R.O.W.
FM 361
334
20
SH 36
1333
DHV
EXIST. GROUND @ NB PGL
PROPOSED NB PGL
100 YEAR W.S. ELEV (84.99)
EXIST. GROUND @ NB PGL
PROPOSED NB PGL
5-6'x6' MBC
EXIST. NATURAL GROUND @ EAST R.O.W.
EXIST. NATURAL GROUND @ EAST R.O.W.
110
100
90
80
70
350+00
355+00
360+00
365+00
370+00
375+00
380+00
385+00
390+00
100 YEAR W.S. ELEV (84.99)
EXIST. NATURAL GROUND @ WEST R.O.W.
PROPOSED SB PGL
EXIST. GROUND @ SB PGL
5-6'x6' MBC
EXIST. GROUND @ SB PGL
100 YEAR W.S. ELEV (84.99)
EXIST. NATURAL GROUN
110
100
90
80
70
350+00
355+00
360+00
365+00
370+00
375+00
380+00
385+00
390+00

CONSTRUCTION SEQUENCE FOR SECTIONS D-D TO G-G


℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
120' WORK ZONE
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
PHASE I
110' WORK ZONE
8' SHLDR
2-12' LANES
10' SHLDR
46' USUAL
30'
4'PAVED
4'GRASSY
PROP. SB PGL
PHASE II

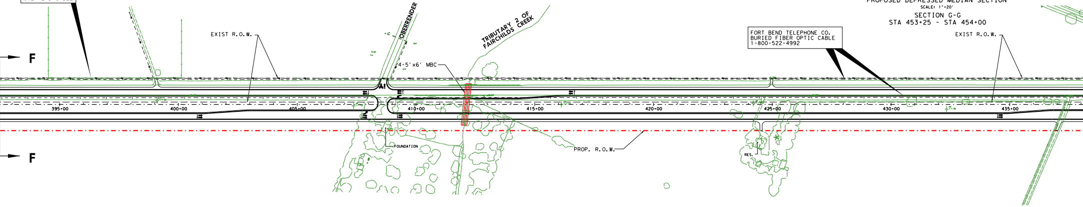

℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
120' PROP. RIGHT-OF-WAY
30' USUAL
10' SHLDR
2-12' LANES
8' SHLDR
76' DEPRESSED MEDIAN
8' SHLDR
2-12' LANES
10' SHLDR
46' USUAL
4'PAVED
4'GRASSY
4'PAVED
4'GRASSY
PROP. NB PGL
PROP. SB PGL
VARIES
VARIES
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
VAR. DEPTH LEVEL UP
PROPOSED DITCH
PROP. R.O.W.

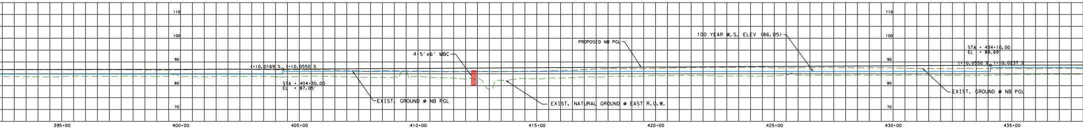
PROPOSED DEPRESSED MEDIAN SECTION

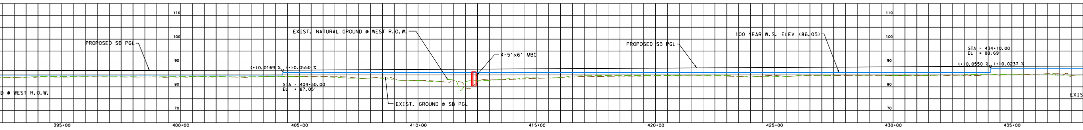
SCALE: 1"=20'

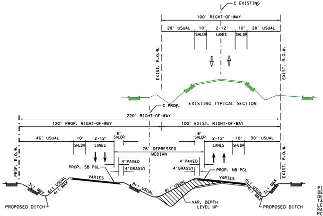
SECTION G-G

STA 453+25 - STA 454+00


RELIANT ENERGY OVERHEAD CABLE
F
F
EXIST R.O.W.
OBERRENDER
4-5'x6' MBC
TRIBUTARY 2 OF FAIRCHILDS CREEK
FORT BEND TELEPHONE CO. BURIED FIBER OPTIC CABLE 1-800-522-4992
EXIST R.O.W.
395+00
400+00
405+00
410+00
415+00
420+00
425+00
430+00
435+00
FOUNDATION
PROP. R.O.W.
RES.






℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
120' PROP. RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
46' USUAL
10' SHLDR
2-12' LANES
8' SHLDR
76' DEPRESSED MEDIAN
8' SHLDR
2-12' LANES
10' SHLDR
30' USUAL
PROP. R.O.W.
EXIST. R.O.W.
PROP. SB PGL
4' PAVED
4' GRASSY
4' PAVED
4' GRASSY
PROP. NB PGL
VARIES
VARIES
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
VAR. DEPTH LEVEL UP
PROPOSED DITCH

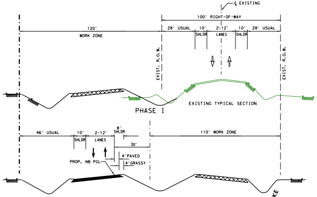
PROPOSED DEPRESSED MEDIAN SECTION

SCALE: 1"=20'

SECTION H-H

STA 465+76 - STA 466+75

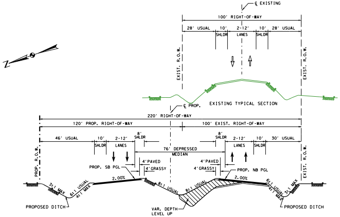
CONSTRUCTION SEQUENCE FOR SECTIONS H-H AND J-J


℄ EXISTING
100' RIGHT-OF-WAY
120' WORK ZONE
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
46' USUAL
10' SHLDR
2-12' LANES
8' SHLDR
30'
110' WORK ZONE
PROP. NB PGL
4' PAVED
4' GRASSY

PHASE I

PHASE II

PI STATION = 453+68.90
DELTA = 5° 29' 59.85" (LT)
DEGREE OF CURVE = 1° 15' 13.45"
TANGENT = 219.51
LENGTH = 438.69
RADIUS = 4,570.00
PC STATION = 451+49.39
PT STATION = 455+88.08

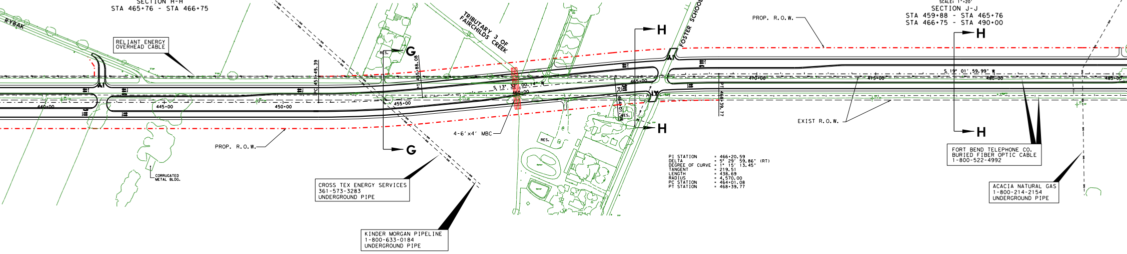

℄ EXISTING
100' RIGHT-OF-WAY
28' USUAL
10' SHLDR
2-12' LANES
10' SHLDR
28' USUAL
EXIST. R.O.W.
EXIST. R.O.W.
EXISTING TYPICAL SECTION
℄ PROP.
220' RIGHT-OF-WAY
120' PROP. RIGHT-OF-WAY
100' EXIST. RIGHT-OF-WAY
46' USUAL
10' SHLDR
2-12' LANES
8' SHLDR
76' DEPRESSED MEDIAN
8' SHLDR
2-12' LANES
10' SHLDR
30' USUAL
PROP. R.O.W.
EXIST. R.O.W.
PROP. SB PGL
2.00%
4' PAVED
4' GRASSY
4' PAVED
4' GRASSY
PROP. NB PGL
2.00%
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
VAR. DEPTH LEVEL UP
PROPOSED DITCH

PROPOSED DEPRESSED MEDIAN SECTION

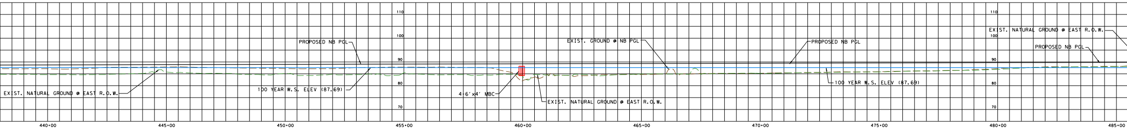
SCALE: 1"=20'

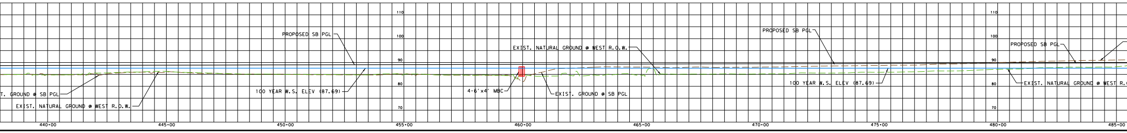
SECTION J-J

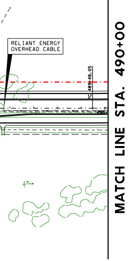
STA 459+88 - STA 465+76
STA 466+75 - STA 490+00

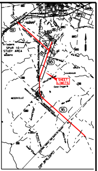

RYBAK
RELIANT ENERGY OVERHEAD CABLE
PC 451+49.39
PT 455+88.08
RES.
G
G
TRIBUTARY 3 OF FAIRCHILDS CREEK
S 13° 32' 00.14" W
440+00
445+00
450+00
455+00
460+00
465+00
470+00
475+00
480+00
485+00
4-6'x4' MBC
H
H
FOSTER SCHOOL JESKE
PC 464+01.08
PT 468+39.77
RES.
RES.
PROP. R.O.W.
PROP. R.O.W.
EXIST. R.O.W.
S 19° 01' 59.99" W
H
H
CORRUGATED METAL BLDG.
CROSS TEX ENERGY SERVICES
361-573-3283
UNDERGROUND PIPE
KINDER MORGAN PIPELINE
1-800-633-0184
UNDERGROUND PIPE
FORT BEND TELEPHONE CO.
BURIED FIBER OPTIC CABLE
1-800-522-4992
ACACIA NATURAL GAS
1-800-214-2154
UNDERGROUND PIPE

PI STATION = 466+20.59
DELTA = 5° 29' 59.86" (RT)
DEGREE OF CURVE = 1° 15' 13.45"
TANGENT = 219.51
LENGTH = 438.69
RADIUS = 4,570.00
PC STATION = 464+01.08
PT STATION = 468+39.77


110
100
90
80
70
PROPOSED NB PGL
EXIST. GROUND @ NB PGL
PROPOSED NB PGL
EXIST. NATURAL GROUND @ EAST R.O.W.
PROPOSED NB PGL
EXIST. NATURAL GROUND @ EAST R.O.W.
100 YEAR W.S. ELEV (87.69)
4-6'x4' MBC
EXIST. NATURAL GROUND @ EAST R.O.W.
100 YEAR W.S. ELEV (87.69)
440+00
445+00
450+00
455+00
460+00
465+00
470+00
475+00
480+00
485+00


110
100
90
80
70
PROPOSED SB PGL
EXIST. NATURAL GROUND @ WEST R.O.W.
PROPOSED SB PGL
PROPOSED SB PGL
T. GROUND @ SB PGL
EXIST. NATURAL GROUND @ WEST R.O.W.
100 YEAR W.S. ELEV (87.69)
4-6'x4' MBC
EXIST. GROUND @ SB PGL
100 YEAR W.S. ELEV (87.69)
EXIST. NATURAL GROUND @ WEST R.


RELIANT ENERGY
OVERHEAD CABLE
PC 489+48.05
490+
MATCH LINE STA. 490+00



VICINITY MAP

N.T.S.

RURAL ARTERIAL DESIGN
SPEED IS 70 MPH

URBAN CURB & GUTTER
SECTION DESIGN
SPEED IS 40 MPH

SCHEMATIC LAYOUT
FORT BEND COUNTY
SH36
FROM: FM 2218
TO: FORT BEND COUNTY LINE
Texas Department of Transportation
HOUSTON DISTRICT
DATE: - -
ORIGINAL APPROVED: - -
REVISED: - -
REVISION(S) APPROVED: - -

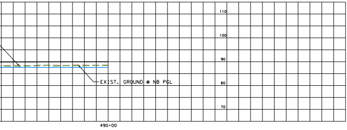
HIGHWAY: SH 36
DESCRIPTION:
FROM: FM 2218
TO: FORT BEND COUNTY LINE DATE:
CSJ NO.:0187-05-048, ETC.REVISION DATE:
FILE NO.: APPROVAL DATE:

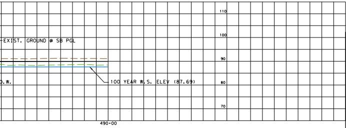
SCALE: 0 100 200 300 400

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


110
100
90
80
70
EXIST. GROUND @ NB PGL
490+00


110
100
90
80
70
EXIST. GROUND @ SB PGL
O.W.
100 YEAR W.S. ELEV (87.69)
490+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	— — c— — — — c— —
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	— — — — — ·

© 2003

Texas Department of Transportation

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

STATE HIGHWAY 36

SCHEMATIC LAYOUT

SHEET 1 OF 3