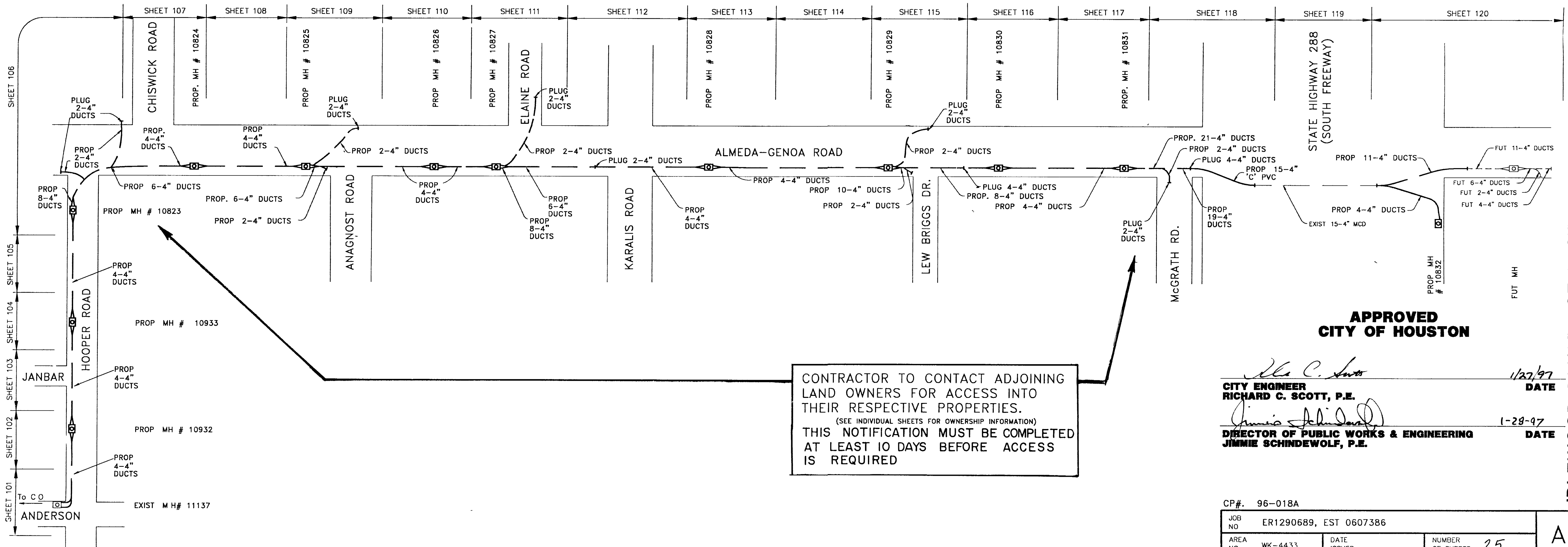


Southwestern Bell Telephone

EAST HOUSTON SOUTHEAST UNIT IDLEWOOD '433' WK-4433

PROPOSED CONDUIT ALIGNMENT ALONG HOPPER ROAD AND ALMEDA-GENOA ROAD FOR APPROXIMATELY 9000 FEET.

Key Map #572-V, 573-S



CONTRACTOR TO CONTACT ADJOINING LAND OWNERS FOR ACCESS INTO THEIR RESPECTIVE PROPERTIES.
 (SEE INDIVIDUAL SHEETS FOR OWNERSHIP INFORMATION)
 THIS NOTIFICATION MUST BE COMPLETED AT LEAST 10 DAYS BEFORE ACCESS IS REQUIRED

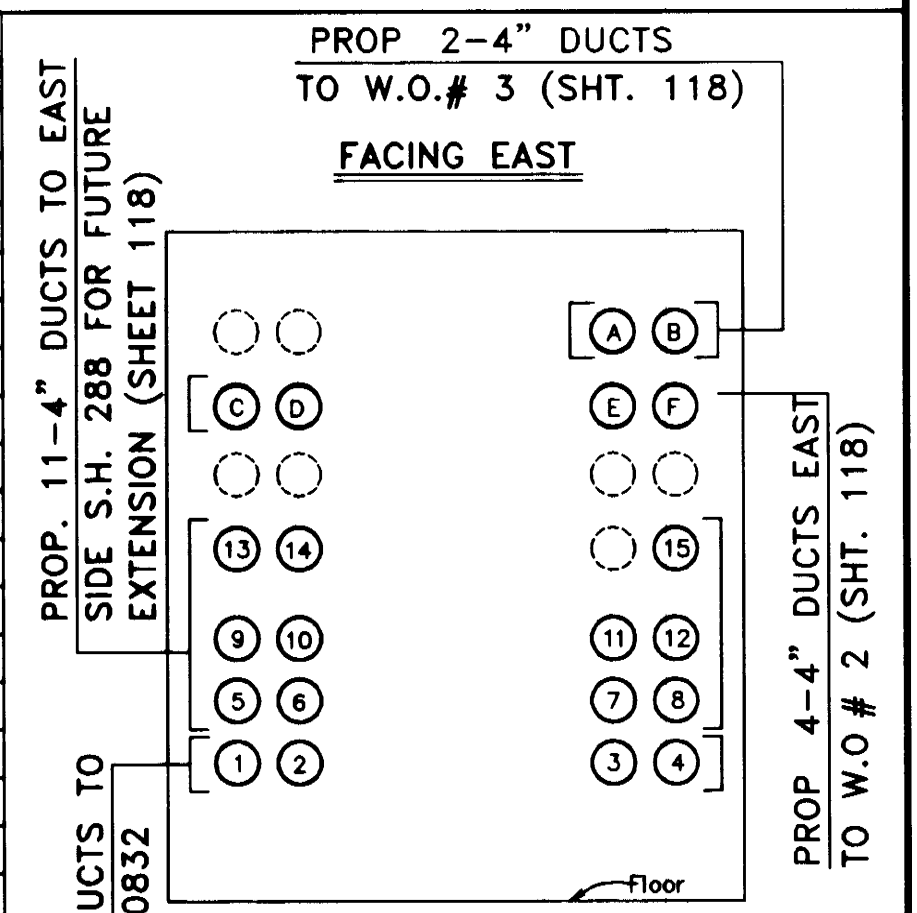
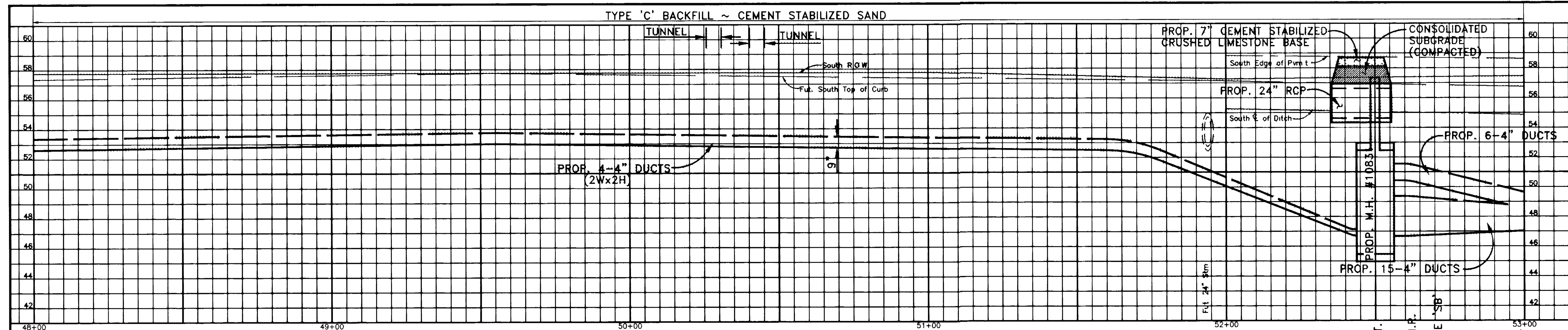
**APPROVED
CITY OF HOUSTON**

Richard C. Scott 1/27/97
CITY ENGINEER
RICHARD C. SCOTT, P.E. DATE

Jimmie Schindewolf 1-29-97
DIRECTOR OF PUBLIC WORKS & ENGINEERING DATE
JIMMIE SCHINDEWOLF, P.E.

CP# 96-018A		A
JOB NO	ER1290689, EST 0607386	
AREA NO	WK-4433	NUMBER OF SHEETS 25
DATE ISSUED		

IDLEWOOD-BLUERIDGE EAST
(PHASE I, HOPPER & ALMEDA GENOA)



CONTRACTOR TO MAINTAIN ACCESS TO ADJACENT PROPERTY AT ALL TIMES

SEE CONSTRUCTION NOTES & DETAILS ON B, C & D SHEETS

PROP. M.H. #10831 TO PROP. M.H. #10832 (SHT. 120)
1090' W-W, 1102' C-C

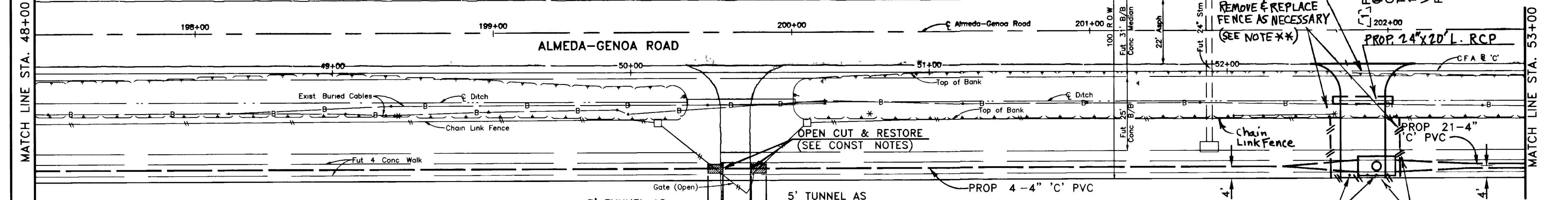
PROP M.H #10831 TO FUTURE M H (SHT 120)
1178' W-W, 1190' C-C

PROP. 7" THICK x 15' WIDE CEMENT STAB CRUSHED LIMESTONE DRIVE

PROP. M.H. #10831 & STA 52+50, 32' RT. C.F.A. B & C TYPE 'A' PRECAST 12'-0" x 6'-0" x 7'-0" H.P. VOL = 504 CU. FT PL 1-30" F.&C. TYPE 'SB'

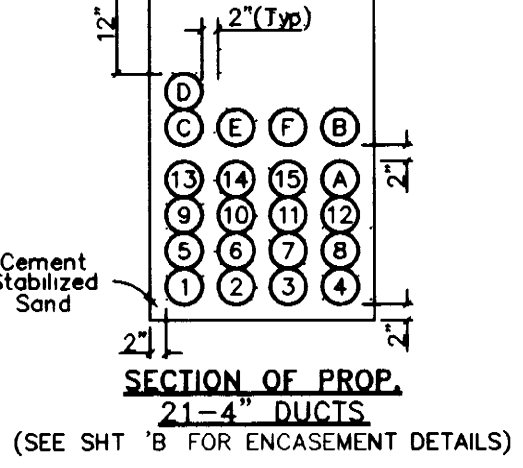
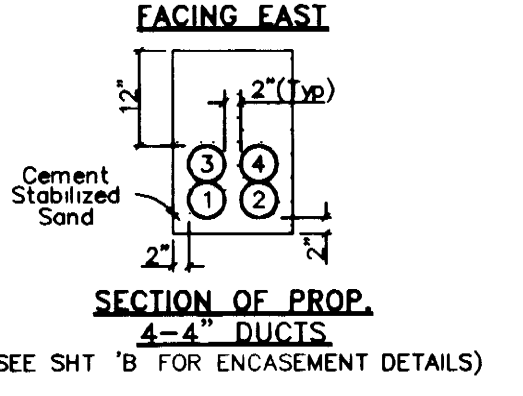
Key Map #573-S Water Block Map #5351D1 Sanitary Block Map #5351D1

CONTRACTOR TO CONTACT ADJOINING LAND OWNERS FOR ACCESS INTO THEIR RESPECTIVE PROPERTIES.

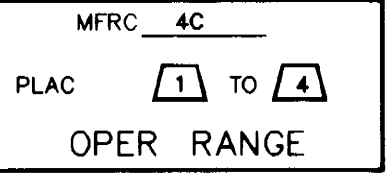


2300 Almeda Genoa Rd
Owner
Beth Jacob Congregation
364 Turnberry Circle
Houston, Tx 77025

NOTE ** CONTRACTOR TO REMOVE & REPLACE BARBED WIRE FENCE AS NECESSARY & BE RESPONSIBLE FOR ENSURING THAT ANY LIVESTOCK IS SAFELY CONTAINED AT ALL TIMES



OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT
1	PLAC	MANHOLE	4C			1	
2	PLAC	TRENCH-15-MPC	4C	140'			
3	PLAC	PVC-C-4",15	4C		2100'		
4	PLAC	PVC-C-4",6	45C		840'		



PROP. M.H. #10831 TO W.O.#1 (SHT. 118)
2.3 PL. 15-4" 'C' PVC~140' W-S (2100 D.F.)(4C)
4.4 PL. 6-4" 'C' PVC~140' W-S (840 D.F.)(45C)

CP#96-018A

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE GROUP

SECTION APPROVALS

WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION

OTHER DEPARTMENTS

PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
--------------------------	--------------------

CITY ENGINEER _____ DATE _____
DIRECTOR OF PUBLIC WORKS AND ENGINEERING _____ DATE _____

SUBMITTED _____
SCALE: HORIZ 1"=20'
VERT 1"=4'

DESIGNED BY: CEA
DRAWN BY: AT
SHEET NO. _____ OF _____ SHEETS
SURV BY: CEA
F.B. NO. 589
CITY DWG NO. _____

Southwestern Bell Telephone

ALMEDA-GENOA ROAD
HOUSTON, TEXAS

SCALE: PLAN 1"=20' PROFILE VERT 1"=4' PROFILE HORIZ 1"=20'

PREPARED BY: *W.P. Fitts* ISSUE DATE: 12-2-96
CONDUIT DISTRICT: _____

PREPARED BY: *John E. Evans*
AREA MOR-ENG DESIGN

JOB NO ER 1290689, EST 0607386 DRAWN BY: CFA/AT/LDW SHEET 117
AREA WK-4433 Co IDLEWOOD 433 TAX DIST HG-031

BENCH MARK
TBM #2 Railroad Spike in Electric Pole
Sta 47+18± .17' Rt CFA
Elev = 59.35
Ref BM City of Houston #5251-1506 Located @ Northeast Corner of Int Almeda Rd & Almeda-Genoa
Elev = 57.40 (1964 Adjustment)

SWB Tone Mark

SWB Tone Mark

SWB Tone Mark
Tele & Elec Pole

SWB Tone Mark

SWB Tone Mark

SWB Tone Mark

30" x 30" Brick Pillar

SWB Tone Mark

10' Asphalt Dr With 24" RCP

30" x 30" Brick Pillar

SWB Tone Mark

SWB Tone Mark

Tele & Elec Pole

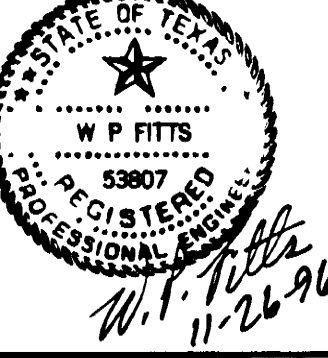
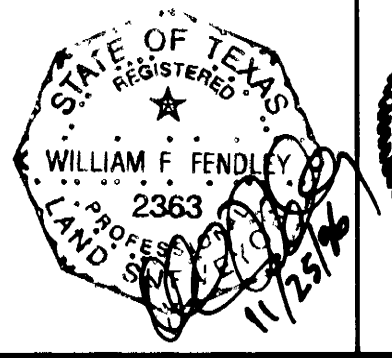
SWB Tone Mark

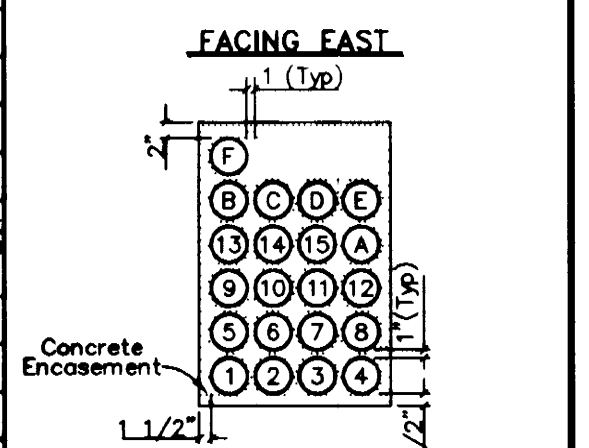
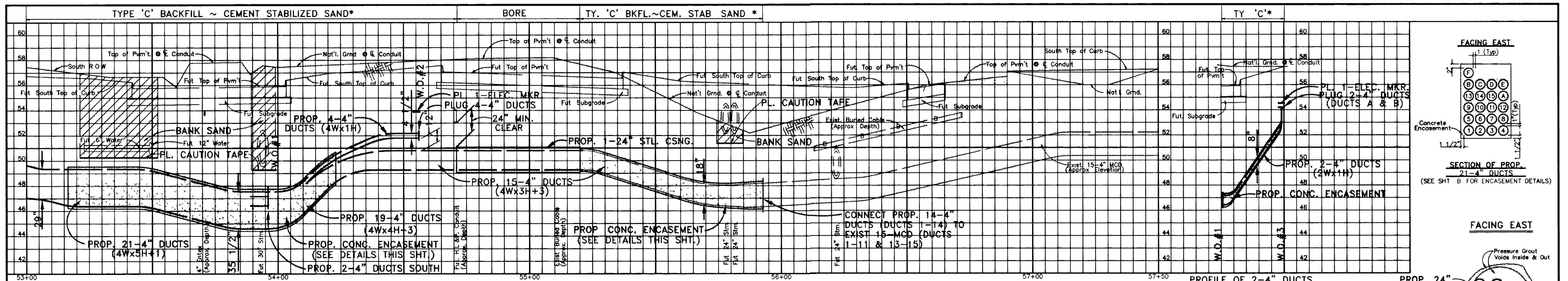
SWB Tone Mark

Sign

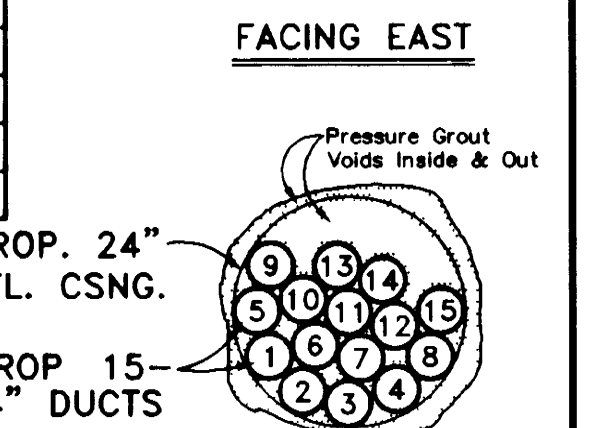
SWB Tone Mark

Anchor





SECTION OF PROP. 2-4" DUCTS (SEE SHT 'B' FOR ENCASMENT DETAILS)



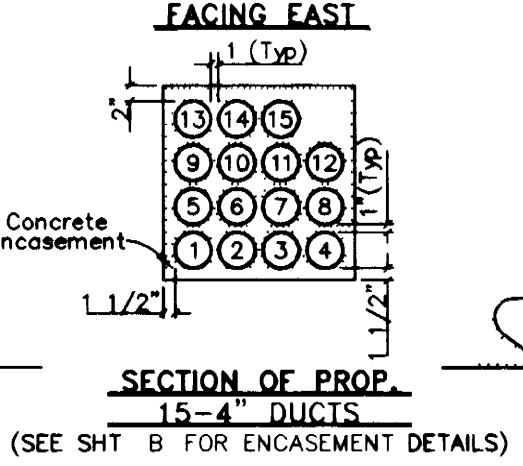
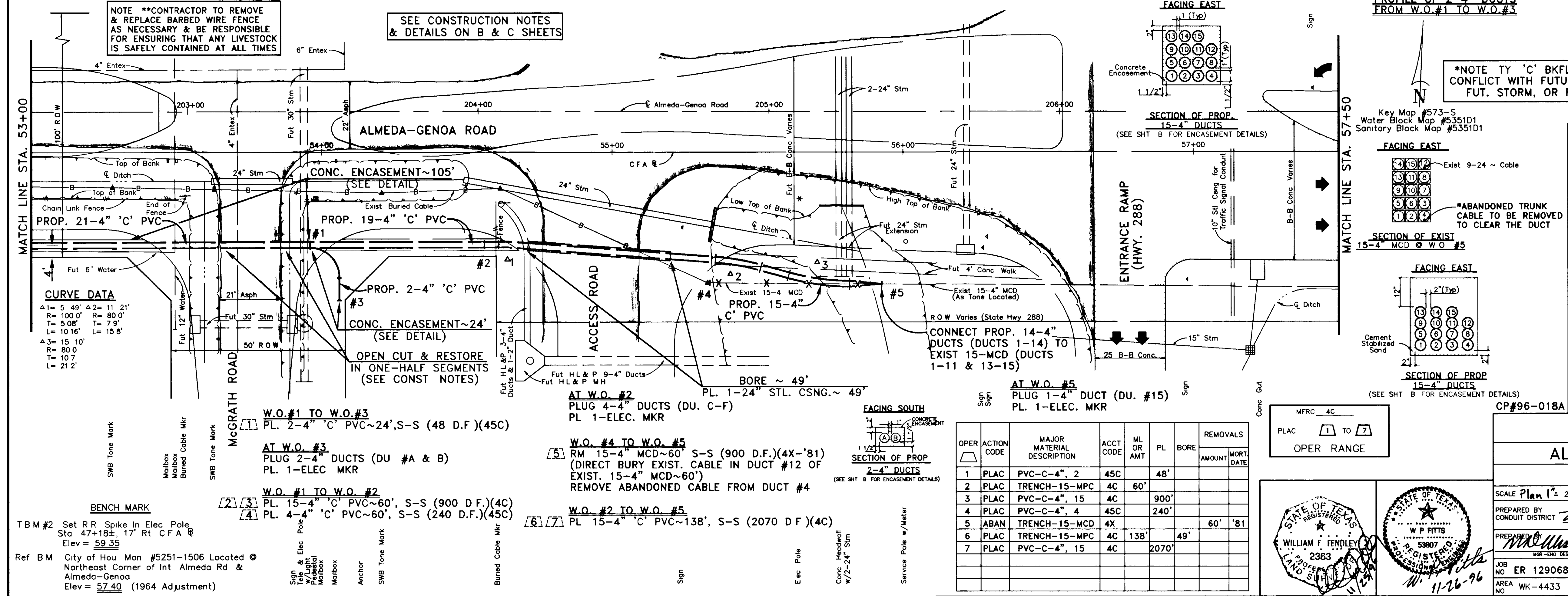
SECTION OF PROP. 24" STL. CSNG. W/ 15-4" DUCTS

NOTE **CONTRACTOR TO REMOVE & REPLACE BARBED WIRE FENCE AS NECESSARY & BE RESPONSIBLE FOR ENSURING THAT ANY LIVESTOCK IS SAFELY CONTAINED AT ALL TIMES

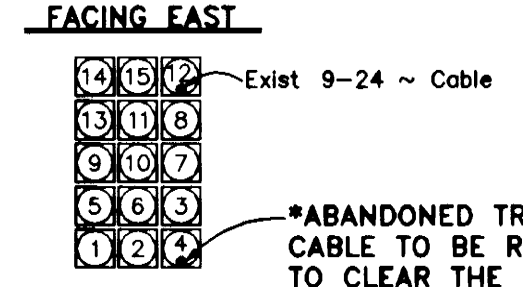
SEE CONSTRUCTION NOTES & DETAILS ON B & C SHEETS

*NOTE TY 'C' BKFL SHALL NOT CONFLICT WITH FUTURE SUBGRADE, FUT. STORM, OR FUT. WATER

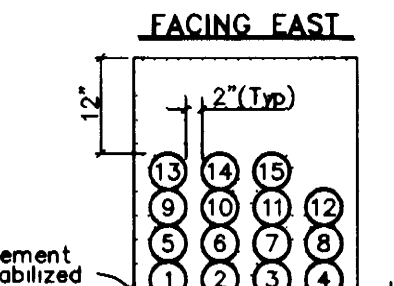
Key Map #573-S
Water Block Map #5351D1
Sanitary Block Map #5351D1



SECTION OF PROP. 15-4" DUCTS (SEE SHT 'B' FOR ENCASMENT DETAILS)



SECTION OF EXIST 15-4" MCD @ W.O. #3



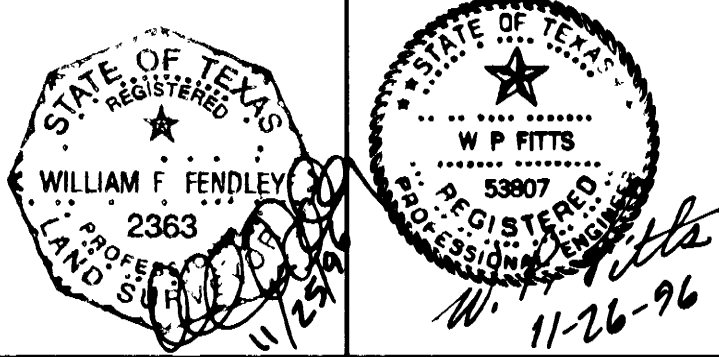
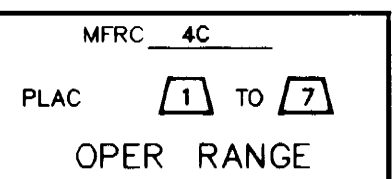
SECTION OF PROP 15-4" DUCTS (SEE SHT 'B' FOR ENCASMENT DETAILS)

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING ENGINEERING, CONSTRUCTION AND REAL ESTATE GROUP	
SECTION APPROVALS	
WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE
SUBMITTED	DESIGNED BY K.L.I.
SCALE HORIZ 1"=20'	DRAWN BY AT
SCALE VERT 1"=4'	SHEET NO. OF SHEETS
DATE	CITY DWG NO
SURV BY CEA	
FB NO 589	

CURVE DATA

Δ1 = 5.49'	Δ2 = 11.21'
R1 = 100.0'	R2 = 80.0'
L1 = 5.08'	L2 = 7.9'
L3 = 10.16'	L4 = 15.8'
Δ3 = 15.10'	
R3 = 80.0'	
L5 = 10.7'	
L6 = 21.2'	

OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT
1	PLAC	PVC-C-4", 2	45C		48'		
2	PLAC	TRENCH-15-MPC	4C	60'			
3	PLAC	PVC-C-4", 15	4C	900'			
4	PLAC	PVC-C-4", 4	45C	240'			
5	ABAN	TRENCH-15-MCD	4X			60'	'81
6	PLAC	TRENCH-15-MPC	4C	138'		49'	
7	PLAC	PVC-C-4", 15	4C	2070'			



CP#96-018A

Southwestern Bell Telephone

ALMEDA-GENOA ROAD
HOUSTON, TEXAS

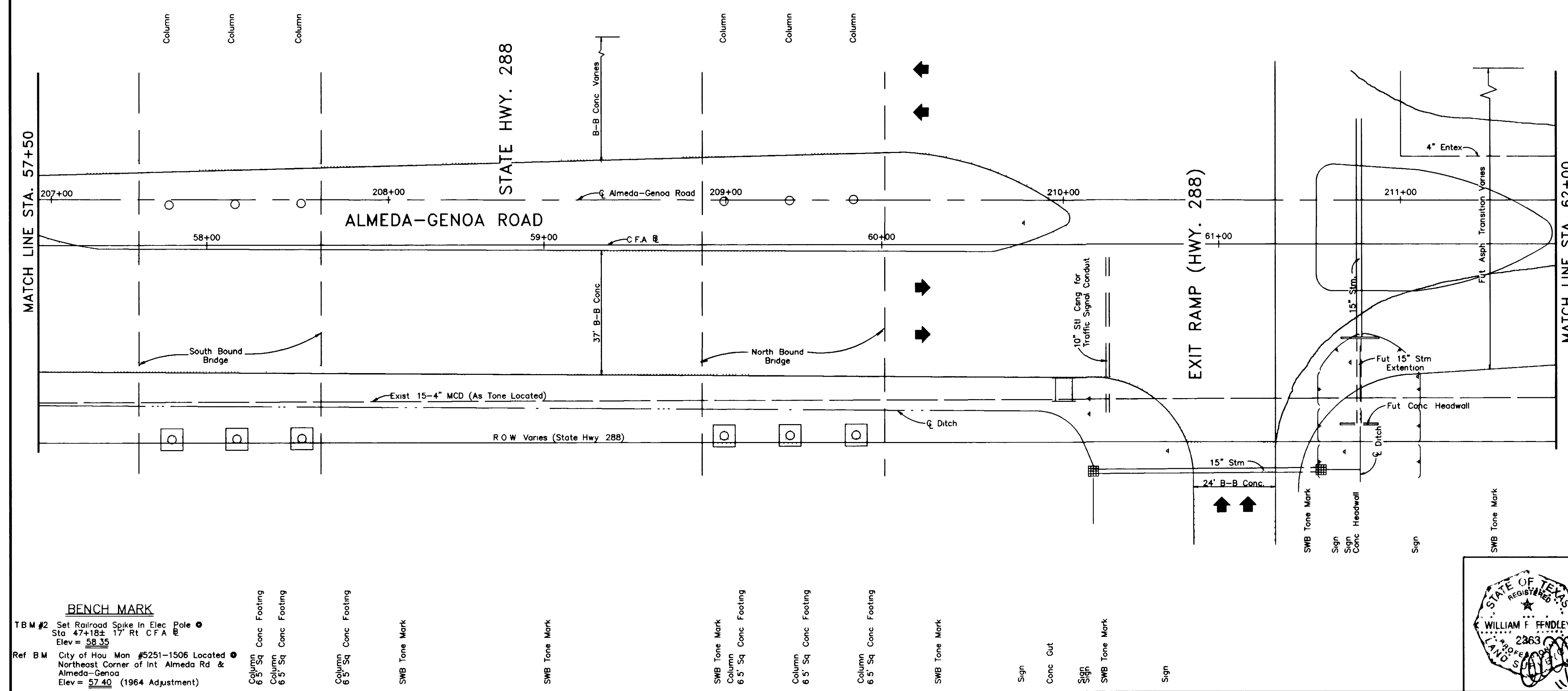
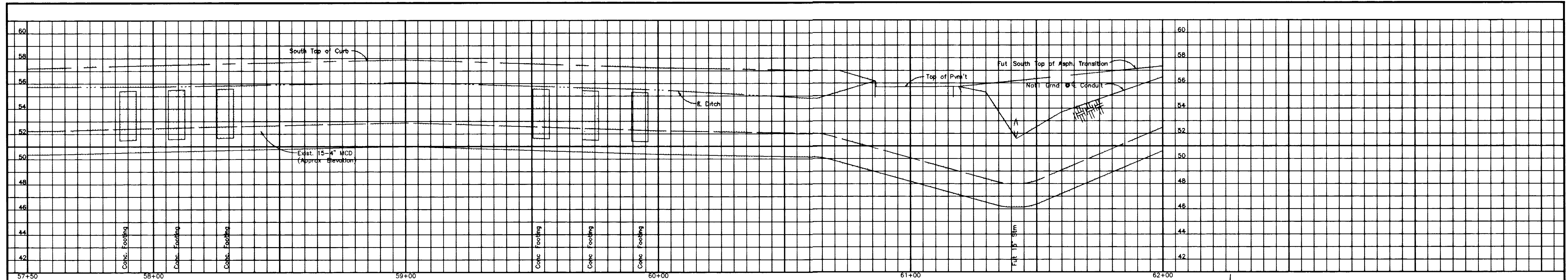
SCALE Plan 1"=20' Profile vert 1"=4' Profile Hor 1"=20'

PREPARED BY CONDUIT DISTRICT *W.P. Fitts* ISSUE DATE 12-2-96

PREPARED BY *W.P. Fitts* AREA MGR-ENG DESIGN

JOB NO ER 1290689, EST 0607389 DRAWN BY GFA/AT/LDW SHEET 118

AREA NO WK-4433 C/O IDLEWOOD '443' TAX DIST HG-031



Key Map #573-S
Water Block Map #5351D1

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING ENGINEERING, CONSTRUCTION AND REAL ESTATE GROUP	
SECTION APPROVALS	
WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE
SUBMITTED	DESIGNED BY <u>K.I.</u>
SCALE HORIZ <u>1"=20'</u>	DRAWN BY <u>A.T.</u>
DATE	SHEET NO. <u>119</u> OF <u>119</u> SHEETS
SURV BY <u>CEA</u>	CITY DWG NO
FB NO <u>589</u>	

CP#96-018A

ALMEDA-GENOA ROAD HOUSTON, TEXAS	
SCALE PLAN 1"=20' PROFILE VERT 1"=4' PROFILE HORIZ 1"=20'	ISSUE DATE 12-2-96
PREPARED BY <u>W.P. Pitts</u> CONDUIT DISTRICT	AREA <u>WK-4433</u> C O <u>IDLEWOOD '433'</u> TAX DIST <u>HG-031</u>
PREPARED BY <u>William F. Fendley</u> MOR-ENG DESIGN	DRAWN BY <u>CEA/AT</u> SHEET <u>119</u>
JOB NO ER 1290689, EST 0607386	AREA NO <u>WK-4433</u> C O <u>IDLEWOOD '433'</u> TAX DIST <u>HG-031</u>

BENCH MARK
 TBM #2 Set Railroad Spike in Elec Pole • Sta 47+18± 17' Rt CFA B Elev = 58.35
 Ref BM City of Houston #5251-1506 Located Northeast Corner of Int Almeda Rd & Almeda-Genoa Elev = 57.40 (1964 Adjustment)

Column Conc Footing
 6.5' Sq
 Column Conc Footing
 6.5' Sq
 Column Conc Footing
 6.5' Sq
 SWB Tone Mark

SWB Tone Mark

SWB Tone Mark
 Column Conc Footing
 6.5' Sq
 Column Conc Footing
 6.5' Sq
 Column Conc Footing
 6.5' Sq
 SWB Tone Mark

SWB Tone Mark

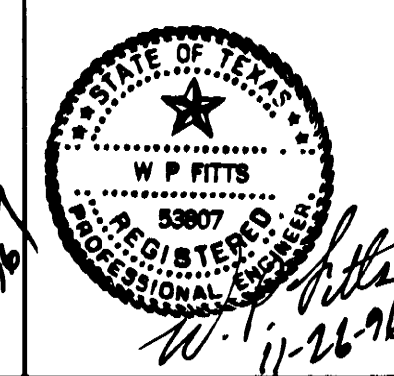
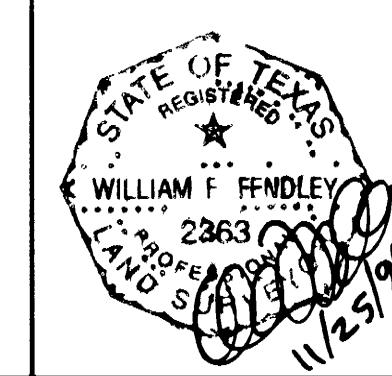
Sign

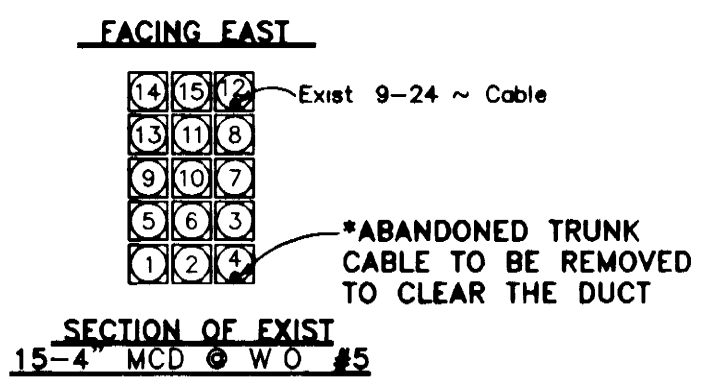
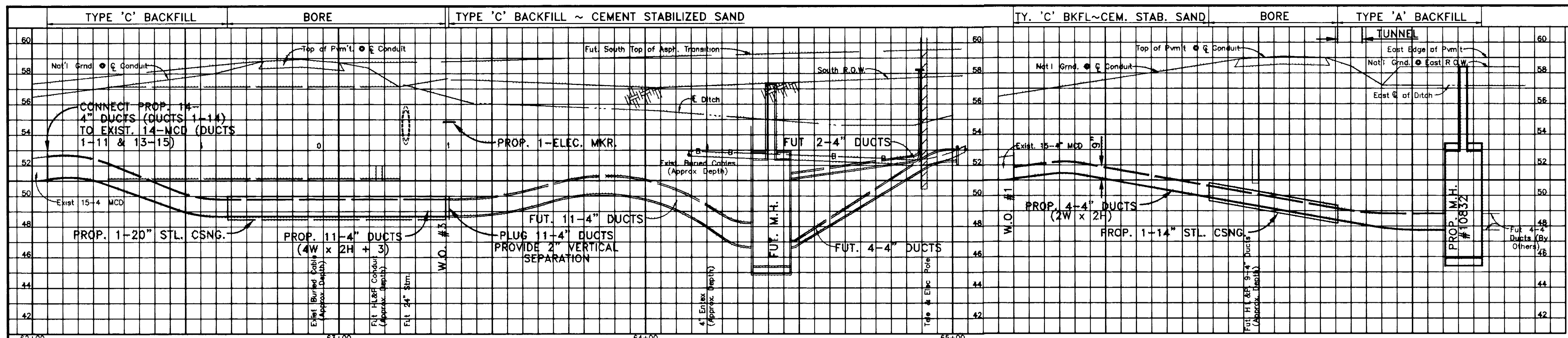
Conc Gut

Sign

SWB Tone Mark

Sign





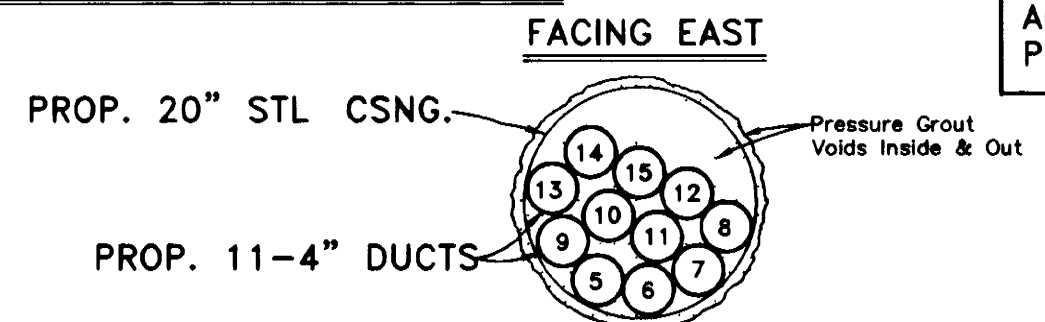
NOTE. CONTRACTOR TO BRACE & SUPPORT TELE. & ELEC. POLE AS NECESSARY

CAUTION EXISTING H.L. & P. CO FACILITIES IN CONSTRUCTION AREA. CONTACT H.L. & P. CO 48 HOURS PRIOR TO ANY DIGGING AND/OR BORING

CAUTION EXISTING S.W.B.T. CO FACILITIES IN CONSTRUCTION AREA. VERIFY EXACT LOCATION & DEPTH PRIOR TO ANY DIGGING AND/OR BORING

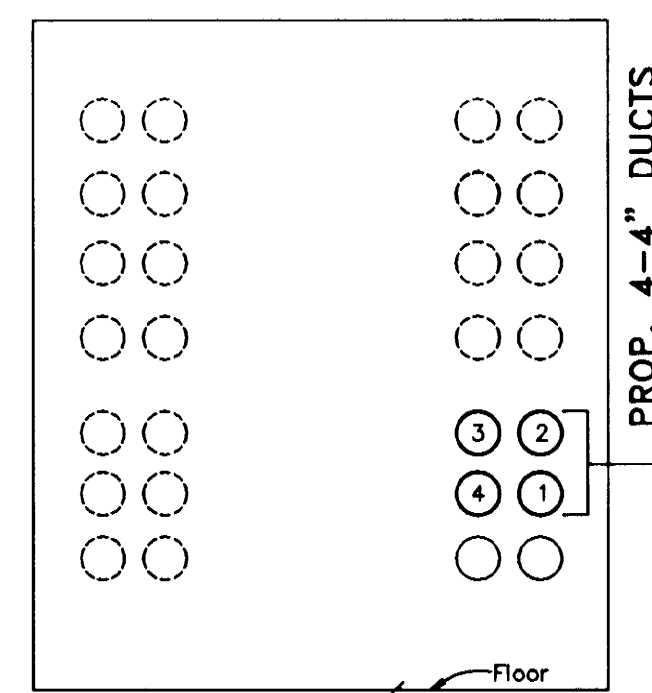
SEE CONSTRUCTION NOTES & DETAILS ON B & C SHEETS

PROFILE OF 4-4" DUCTS FROM W.O. #1 TO PROP. M.H. #10832

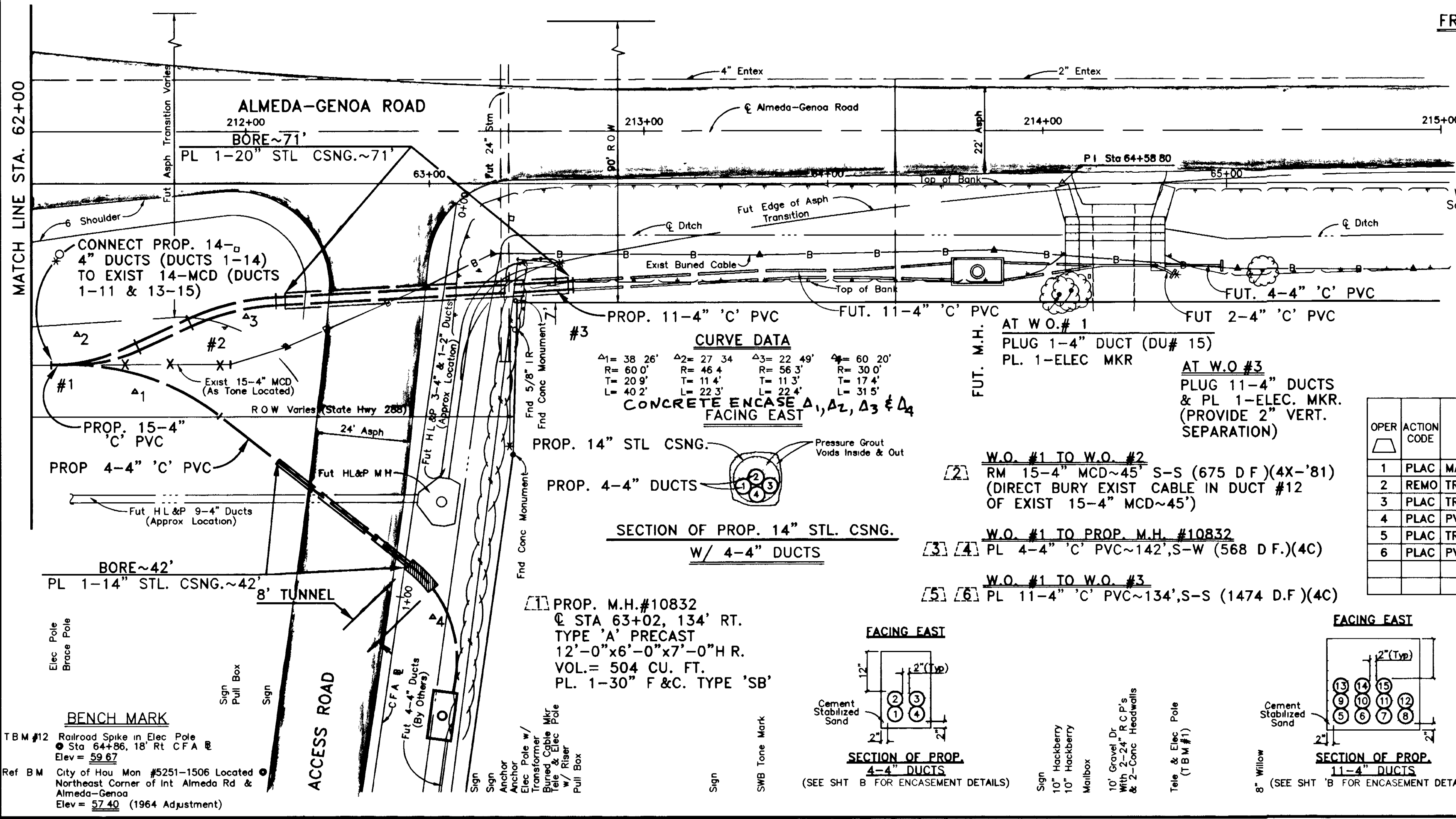


CONTRACTOR TO MAINTAIN ACCESS TO ADJACENT PROPERTY AT ALL TIMES

SECTION OF PROP. 20" STL CSNG. W/ 11-4" DUCTS



NORTH ENDWALL OF PROP. M.H. #10832



CURVE DATA

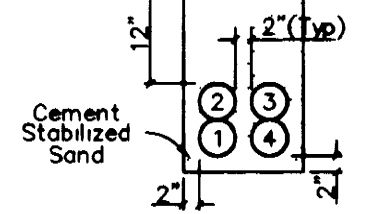
$\Delta_1 = 38.26'$	$\Delta_2 = 27.34'$	$\Delta_3 = 22.49'$	$\Delta_4 = 60.20'$
$R = 60.0'$	$R = 46.4'$	$R = 56.3'$	$R = 30.0'$
$T = 20.9'$	$T = 11.4'$	$T = 11.3'$	$T = 17.4'$
$L = 40.2'$	$L = 22.3'$	$L = 22.4'$	$L = 31.5'$

CONCRETE ENCASEMENT $\Delta_1, \Delta_2, \Delta_3$ & Δ_4 FACING EAST

- [2] W.O. #1 TO W.O. #2
RM 15-4" MCD~45' S-S (675 D.F.)(4X-'81)
(DIRECT BURY EXIST CABLE IN DUCT #12 OF EXIST 15-4" MCD~45')
- [3] [4] W.O. #1 TO PROP. M.H. #10832
PL 4-4" 'C' PVC~142', S-W (568 D.F.)(4C)
- [5] [6] W.O. #1 TO W.O. #3
PL 11-4" 'C' PVC~134', S-S (1474 D.F.)(4C)

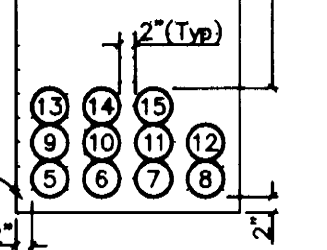
OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS AMOUNT	MORT. DATE
1	PLAC	MANHOLE	4C	1				
2	REMO	TRENCH-15-MTD	4X				45'	'81
3	PLAC	TRENCH-4-MPC	4C	142'		42'		
4	PLAC	PVC-C-4", 4	4C	568'				
5	PLAC	TRENCH-11-MPC	4C	134'		71'		
6	PLAC	PVC-C-4", 11	4C	1474'				

FACING EAST



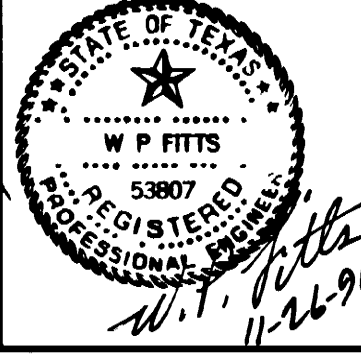
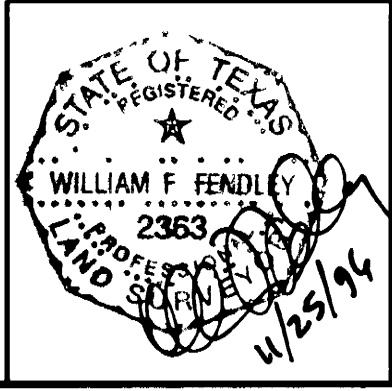
SECTION OF PROP. 14" STL CSNG. W/ 4-4" DUCTS

FACING EAST



SECTION OF PROP. 20" STL CSNG. W/ 11-4" DUCTS

STATE DEPT. OF HIGHWAYS & PUBLIC TRANSPORTATION
1. TELEPHONE COMPANY CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO ORIGINAL OR BETTER CONDITION WITHIN 10 DAYS AFTER WORK IS COMPLETED.
2. ORIGINAL BACKFILL COMPACTED IN LIFTS TO COMPARABLE DENSITY.
3. MAINTAIN EXISTING DITCHES AND DRAINAGE FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES.
4. NOTIFY ASSIGNED TEXAS HIGHWAY DEPARTMENT PERSONNEL 48 HOURS PRIOR TO START OF WORK.



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING CONSTRUCTION, AND REAL ESTATE GROUP

SECTION APPROVALS

WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE
SUBMITTED	DESIGNED BY K.T.
SCALE HORIZ 1"=20'	VERT 1"=4'
DATE DATE	DRAWN BY CFA/AT
SURV BY CFA	SHEET NO OF SHEETS
F.B. NO 589	CITY DWG NO

CP#96-018A

Southwestern Bell Telephone

ALMEDA-GENOA ROAD
HOUSTON, TEXAS

SCALE PLAN 1"=20' PROFILE VERT 1"=4' PROFILE HORIZ 1"=20'

PREPARED BY CONDUIT DISTRICT *W.P. Fitts* ISSUE DATE 12-2-96

PREPARED BY *W.P. Fitts* DRAWN BY CFA/AT/LDW SHEET 120

JOB NO ER 1290689, EST 0607386
AREA WK-4433 CO IDLEWOOD '433' TAX DIST HG-031