



Southwestern Bell Telephone

HOUSTON

CENTRAL UNIT

IDLEWOOD "433"

WK4433

PROJECT: **PHASE II, PART 1**

PROPOSED CONDUIT EXTENSION ON STATE HWY. 288

FROM EXIST. M.H. # 10832 (SE CORNER OF ALMEDA GENOA AT SH 288 ACCESS RD.)

TO PROP. M.H. # 10938 (± 1,227' NORTH OF CLEAR CREEK)

APPROXIMATELY 10,000 FEET

MAJOR MATERIALS

MANHOLE

5 - MANHOLES

FRAME AND COVER

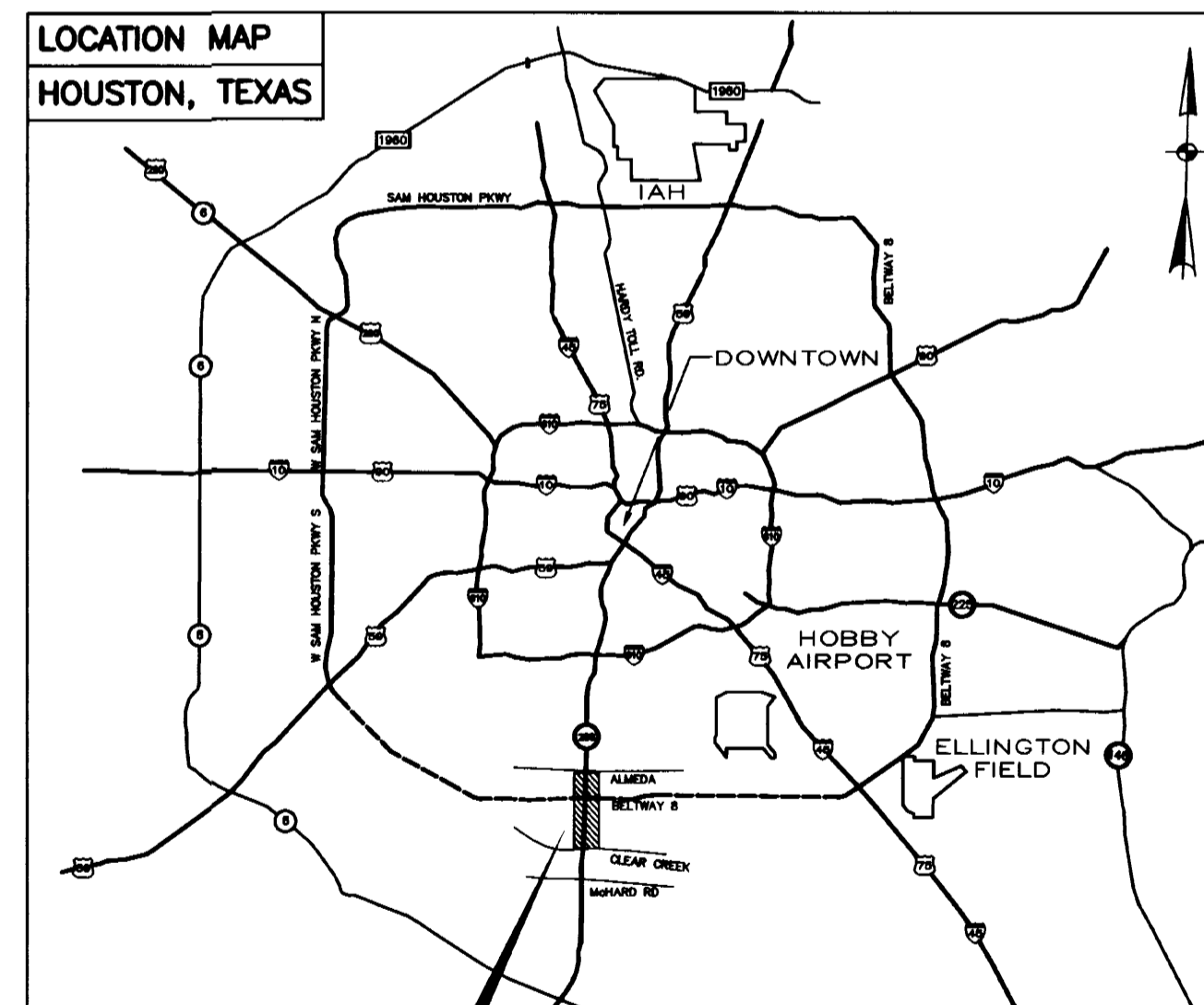
5 - 30" F & C TYPE 'SG'

CONDUIT

PVC-C-4" (AT 8435) - 38,528 DU FT (9,632 TR. FT.)

STEEL CASING

- 1-14"-STEEL CASING-75' LENGTH
- 1-14"-STEEL CASING-69' LENGTH
- 1-14"-STEEL CASING-69' LENGTH
- 1-14"-STEEL CASING-53' LENGTH
- 1-14"-STEEL CASING-85' LENGTH
- 1-14"-STEEL CASING-44' LENGTH
- 1-14"-STEEL CASING-65' LENGTH
- 1-14"-STEEL CASING-58' LENGTH
- 1-14"-STEEL CASING-105' LENGTH
- 1-14"-STEEL CASING-72' LENGTH
- 1-14"-STEEL CASING-38' LENGTH
- 1-14"-STEEL CASING-53' LENGTH
- 1-14"-STEEL CASING-45' LENGTH



PROJECT LOCATION

SEE SHEET A-2 FOR SHEET NUMBER LAYOUT

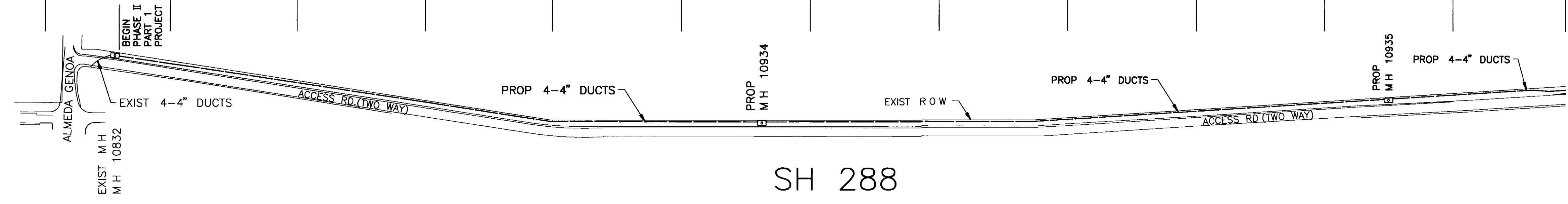
CP # 96-018

JOB NO	ESTIMATE NUMBER	0607386
AREA NO WK-4433	DATE ISSUED	12-4-96
	NUMBER OF SHEETS	33

IDLEWOOD-BLUERIDGE EAST
(PHASE II-PART I - SH 288, NORTH HALF)

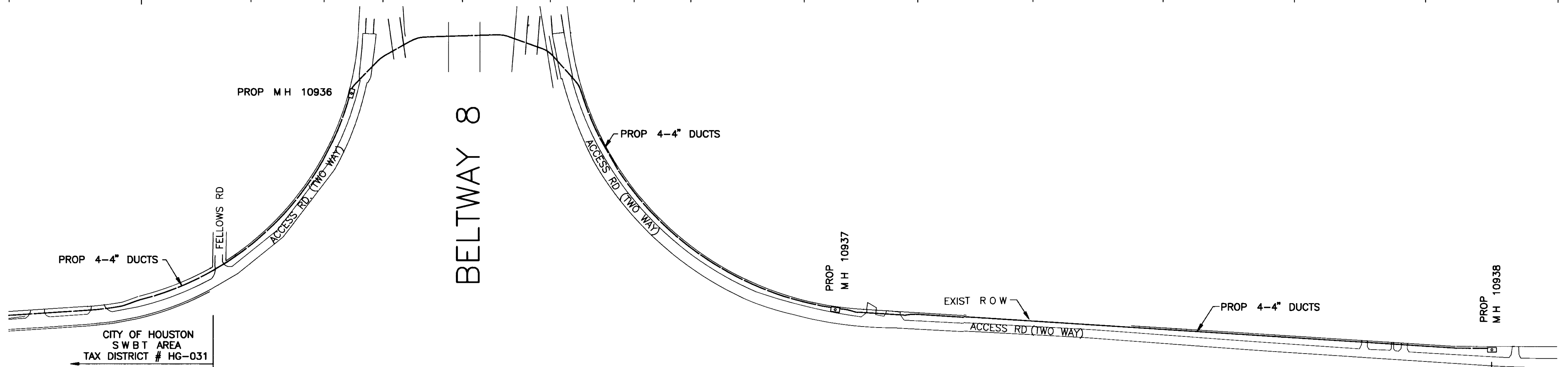
A-1

SHEET 121 | SHEET 122 | SHEET 123 | SHEET 124 | SHEET 125 | SHEET 126 | SHEET 127 | SHEET 128 | SHEET 129 | SHEET 130 | SHEET 131 | SHEET 132



SH 288

SHEET 133 | SHEET 134 | SHEET 135 | SHEET 136 | SHEET 137 | SHEET 138 | SHEET 139 | SHEET 140 | SHEET 141 | SHEET 142 | SHEET 143 | SHEET 144 | SHEET 145 | SHEET 146 | SHEET 147



SH 288

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

SUBMITTED _____ DESIGNED BY _____
 SCALE _____ DRAWN BY _____
 DATE SURV BY _____ SHEETS OF _____
 F B NO _____ CITY DWG NO _____

CP # 96-018

Southwestern Bell Telephone

SH 288

SHEET NUMBER LAYOUT

SCALE PLAN 1"=NTS PROFILE HORIZ 1"=NTS PROFILE VERT 1"=NTS

PREPARED BY CONDUIT DISTRICT *W.P. Little* ISSUE DATE 12-4-96
 MGR-ENG (DESIGN) AREA MANAGER ENG.

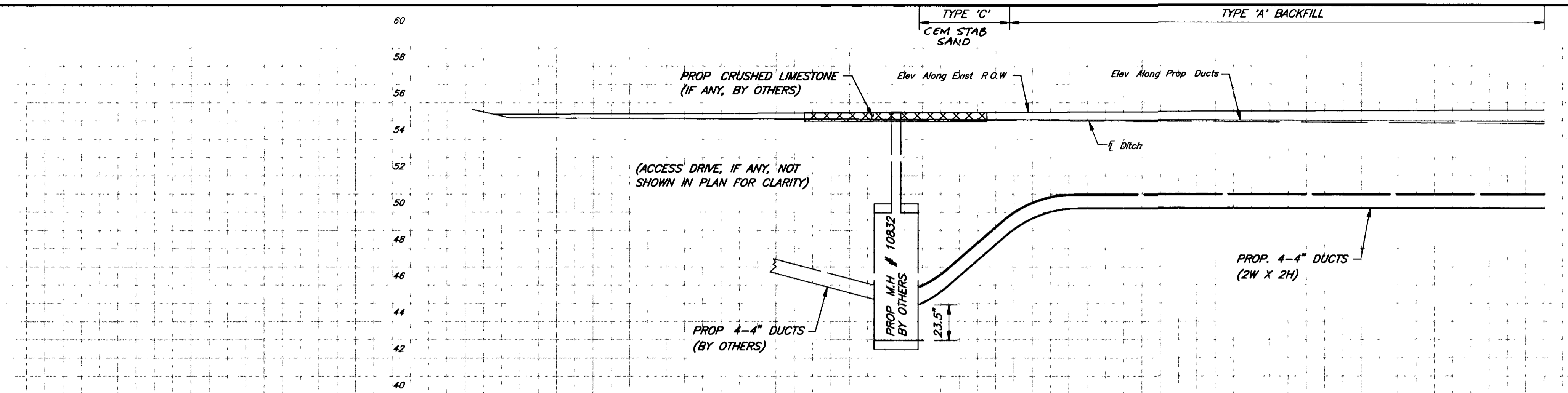
APPROVALS

MANAGER ENG (DESIGN)	AREA MGR ENG DESIGN	DIST MGR ENG.
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JOB NO. EST NO 0607386 DRAWN BY SHEET A-2
 AREA NO. WK-4433 C O IDLEWOOD "433" TAX DIST HG-029 HG-031

TSC ENGINEERING COMPANY
 Engineers Surveyors
 F.B. NO. 313 C
 FILE INFO. C:\SW681008.dwg 1=300 11/27/96 10:44 RVP

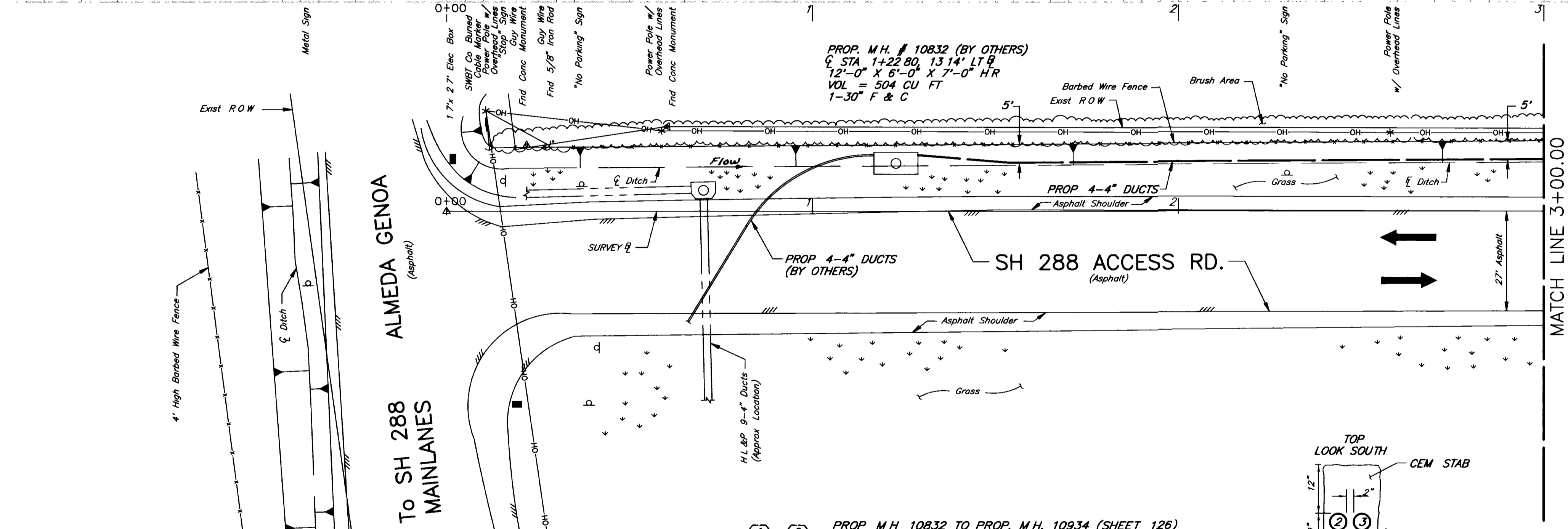
TSC ENGINEERING COMPANY
 FB NO 313 C
 FILE INFO C:\581\SW581A1.dwg 1=20 11/25/96 08:42 RVP



NOTE
 OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE. BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH AND SAFETY CODES, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. CONTRACTORS AND OWNERS ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED. CALL H.L.&P. AT (713) 207-7777.

NOTE
 THE TYPE, SIZE, LOCATION AND OWNERSHIP OF EXISTING UTILITIES HAS BEEN OBTAINED FROM RECORDED DRAWINGS FURNISHED BY THE OWNERS. INFORMATION DERIVED FROM THESE SOURCES IS BELIEVED TO BE THE MOST RELIABLE AND IS PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY. THE CONTRACTOR SHOULD EXERCISE CAUTION WHEN EXCAVATING IN THE VICINITY OF UNDERGROUND UTILITIES AND NOTIFY THE OWNERS OF THE RESPECTIVE UTILITIES SO THAT THE OWNER'S REPRESENTATIVE MAY BE PRESENT TO VERIFY LOCATIONS. NO WARRANTY IS MADE AS TO THE ACCURACY OR COMPLETENESS OF UTILITY LOCATIONS SHOWN ON THESE DRAWINGS.

NOTE
 CONTRACTOR TO ADHERE TO OSHA'S REQUIREMENTS FOR A "SUBSTANTIAL BARRICADE" AROUND ANY WORK LOCATION HAVING AN OPEN PIT.



BENCHMARK
 TYPED MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF BW 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

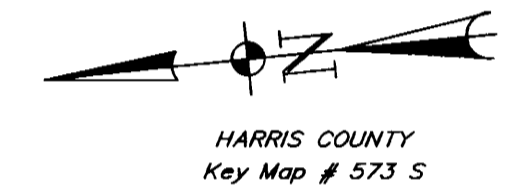
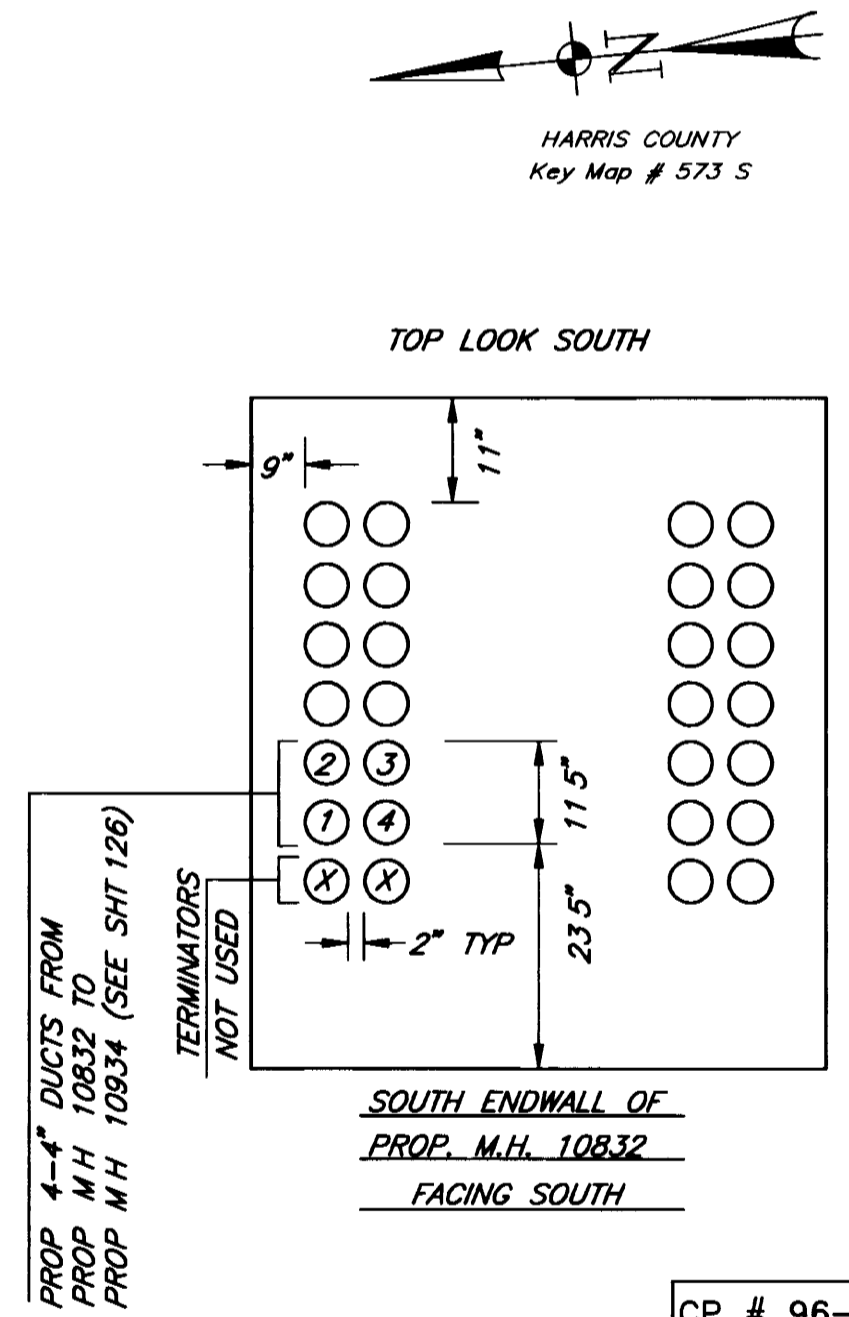
TBM #17
 TOP OF A RAILROAD SPIKE SET 15 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE WITH TRANSFORMER LOCATED ON THE NORTHEAST CORNER OF THE INTERSECTION OF SH 288 AND ALMEDA GENOA ROAD, BEING 2 FEET SOUTHWEST OF A TEXAS DEPARTMENT OF TRANSPORTATION TYPE "A" RIGHT-OF-WAY MONUMENT, AND BEING 12 FEET NORTH OF A 24-INCH RCP
 ESTABLISHED ELEV = 55.72 1978 ADJUSTMENT
 B.L. STATION = 0+02 OFFSET = 24' LEFT

PROP M.H. 10832 TO PROP. M.H. 10934 (SHEET 126)
 PL 4-PVC-C-4" = 2015' (8060 DU FT.) (4C)

PROP M.H. # 10832 TO PROP. M.H. 10934
 W-W 2015', C-C 2027'

OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT MORT DATE
1	PLAC	TRENCH-4-MPC	4C	2015'			
2	PLAC	PVC-C-4"	4C	8060'			

MFR C 4C
 PLAC 1 TO 2
 OPER RANGE



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

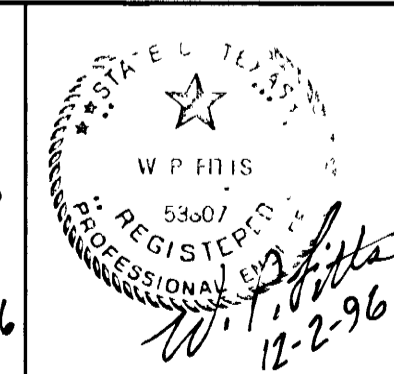
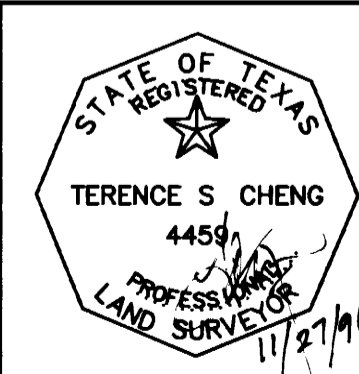
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018

Southwestern Bell Telephone

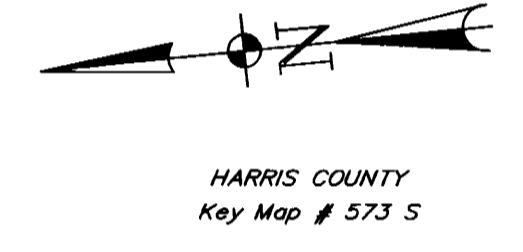
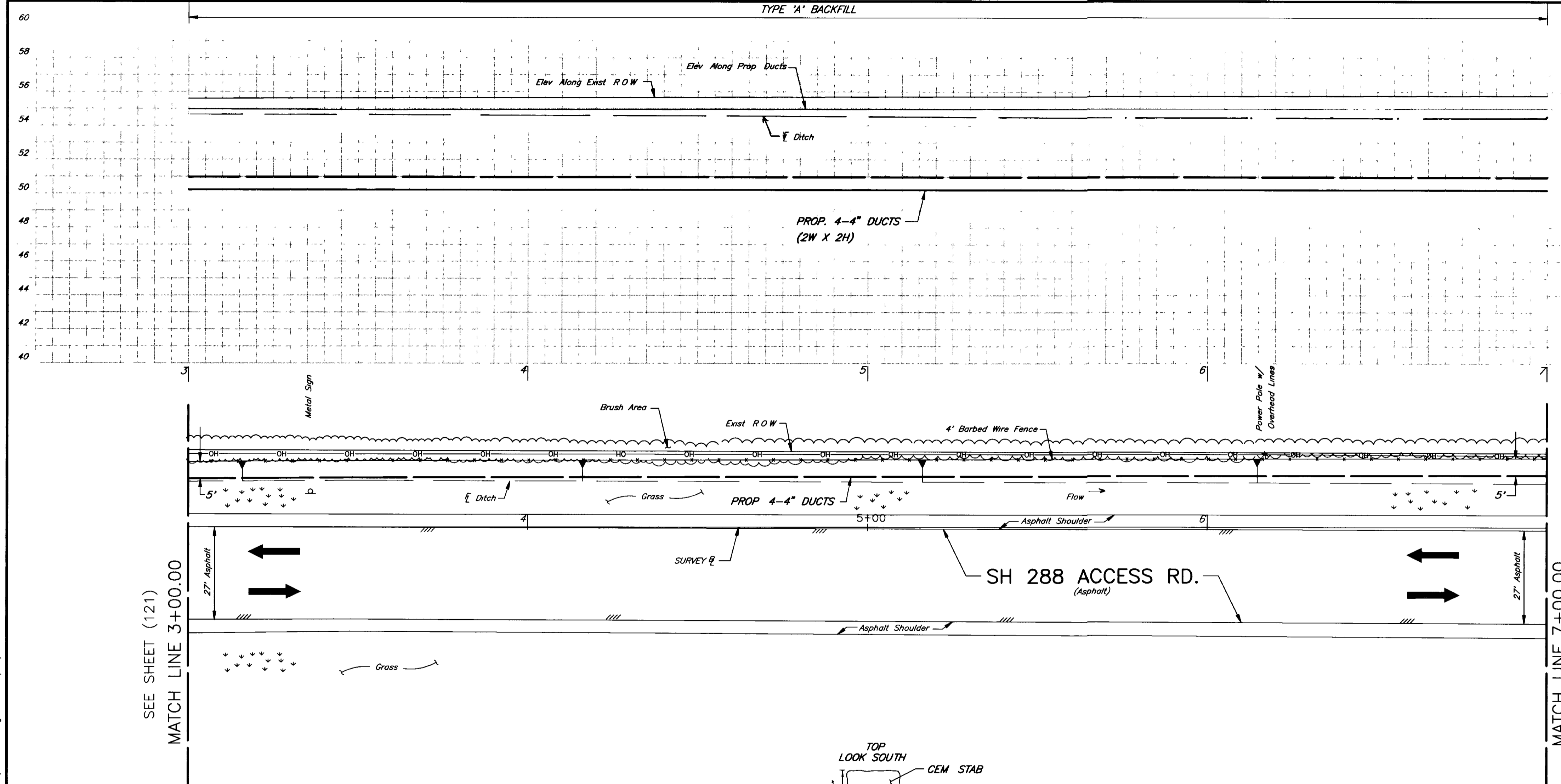
SH 288
 HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY	DESIGNED BY	DRAWN BY	12-4-96
APPROVED BY	MANAGER ENG. (DESIGN)	AREA MGR. ENG. DESIGN	
JOB NO:	EST NO: 0607386	DRAWN BY	SHEET 121
AREA NO: WK-4433	C O IDLEWOOD "433"	TAX DIST: HG-031	



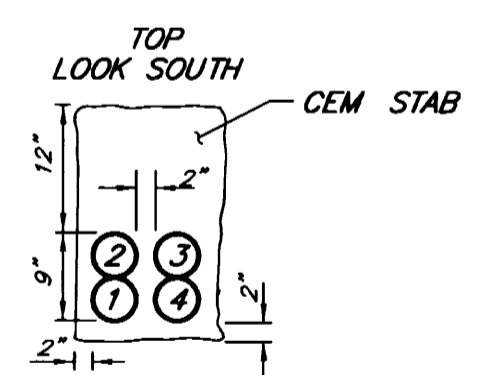
FB NO 313 C
 FILE INFO C:\581\SW581A2.dwg 1=20 11/21/96 10 40 RVP

TSC ENGINEERING COMPANY
 Engineers
 Surveys



SEE SHEET (121)
 MATCH LINE 3+00.00

MATCH LINE 7+00.00
 SEE SHEET (123)



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

BENCHMARK

TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF BW 8

PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

TBM #16
 TOP OF A RAILROAD SPIKE SET 1.6 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 300 FEET NORTH-EAST OF A 100-FOOT HIGH LIGHT STANDARD, BEING +/- 300 FEET SOUTH-WEST OF AN ALMEDA ROAD SIGN, AND BEING +/- 600 FEET SOUTH OF ALMEDA GENOA ROAD

ESTABLISHED ELEV = 57.62 1978 ADJUSTMENT
 B/L STATION = 6+77 OFFSET = 127.8' LEFT

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

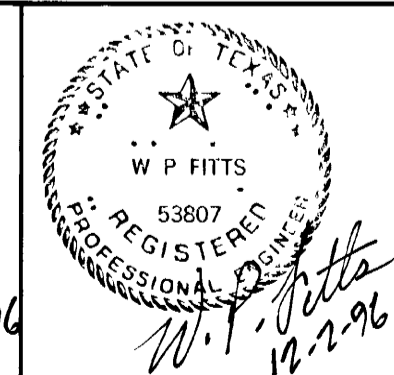
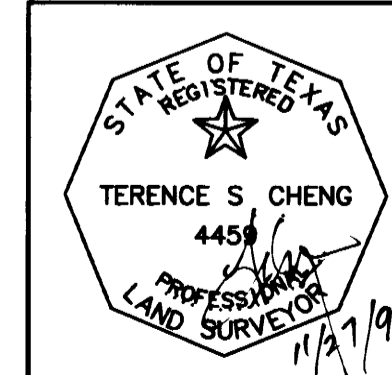
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

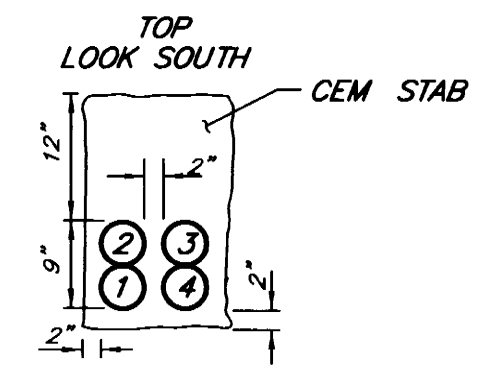
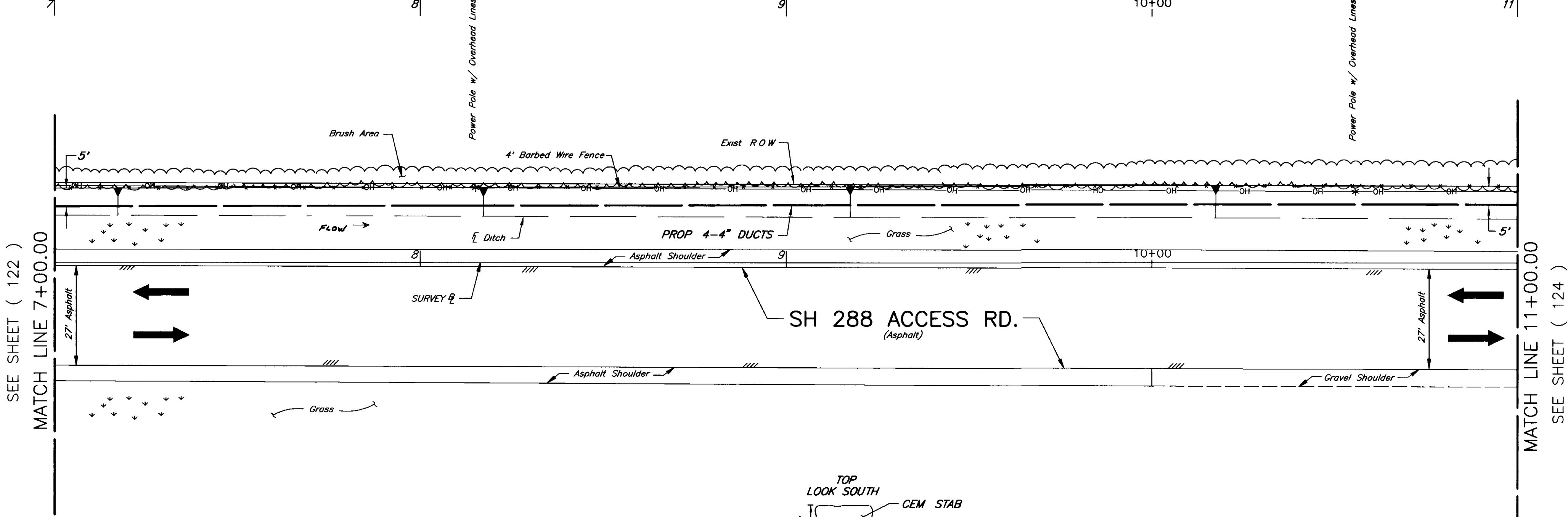
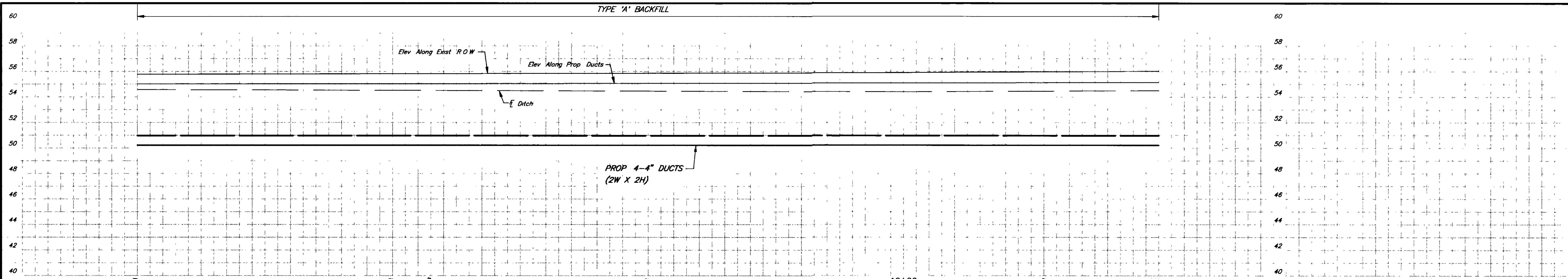
CP # 96-018



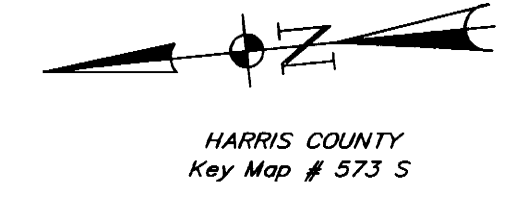
SH 288
 HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITTS		12-4-96
APPROVED	MANAGER ENG. (DESIGN)	AREA MGR. ENR. DESIGN	
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 122
AREA NO. WK-4433	CO IDLEWOOD "433"	TAX DIST. HG-031	





SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL
BACKFILL AND ENCASEMENT SPECIFICATIONS)



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

SECTION APPROVALS

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STORM SEWER ENGINEERING	CONSTRUCTION

OTHER DEPARTMENTS

PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
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CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE

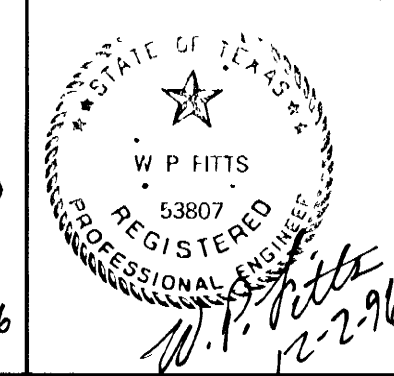
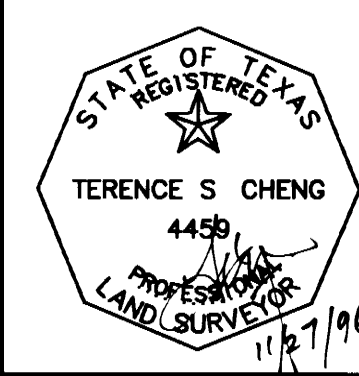
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018



SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	APPROVALS	EST NO	12-4-96
JOB NO	DRAWN BY	TAX DIST	SHEET
AREA NO	DIST	HG-031	123



FB NO 313 C
FILE INFO C:\581\SW581A3.dwg 1=20 11/21/96 11:19 RVP

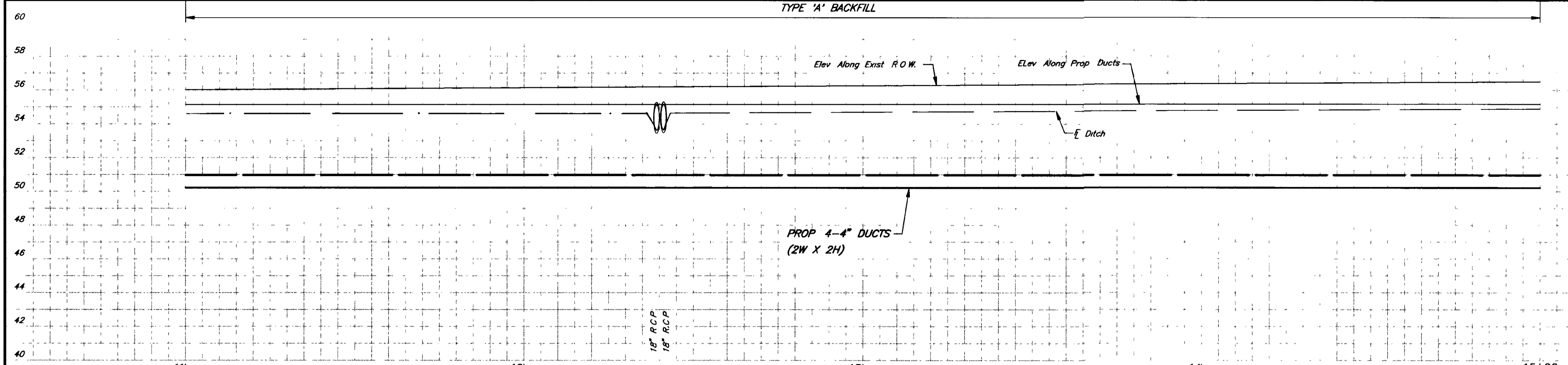
TSC ENGINEERING COMPANY
Engineers Surveyors

BENCHMARK
TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN
AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND
FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF
BW 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
TBM #16
TOP OF A RAILROAD SPIKE SET 1.6 FEET ABOVE NATURAL GROUND ON
THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE
FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 300 FEET NORTH-
EAST OF A 100-FOOT HIGH LIGHT STANDARD, BEING +/- 300 FEET SOUTH-
WEST OF AN ALMEDA GENOA ROAD SIGN, AND BEING +/- 600 FEET SOUTH
OF ALMEDA GENOA ROAD
ESTABLISHED ELEV = 57.62 1978 ADJUSTMENT
BL STATION = 6+77 OFFSET = 127' 8" LEFT

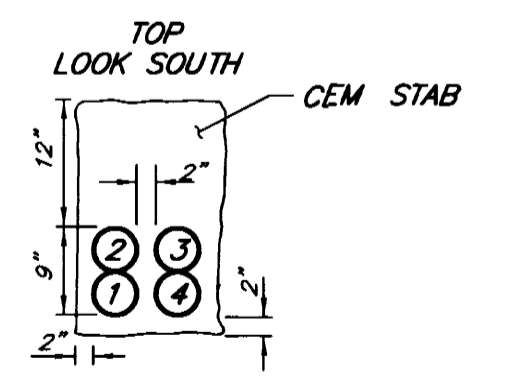
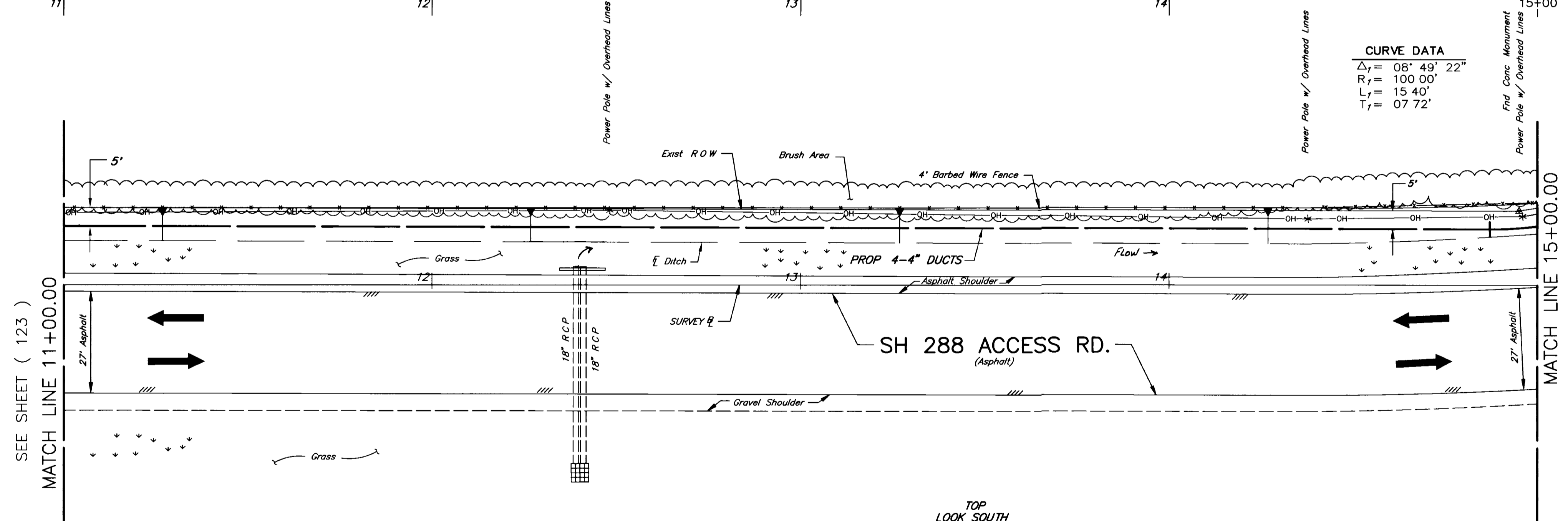
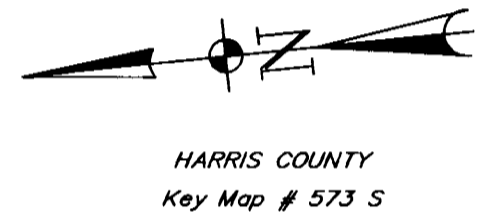
ID-E3 5

F B NO 313 C
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TSC ENGINEERING COMPANY
 Engineers Surveyors



CURVE DATA
 $\Delta y = 08' 49' 22''$
 $R_y = 100.00'$
 $L_y = 15.40'$
 $T_y = 07.72'$



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 T.B.M. #16
 TOP OF A RAILROAD SPIKE SET 1.6 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S.H. 288, BEING +/- 300 FEET NORTH-EAST OF A 100-FOOT HIGH LIGHT STANDARD, BEING +/- 300 FEET SOUTH-WEST OF AN ALMEDA GENOA ROAD SIGN, AND BEING +/- 600 FEET SOUTH OF ALMEDA GENOA ROAD
 ESTABLISHED ELEV = 57.62 1978 ADJUSTMENT
 B.L. STATION = 6+77 OFFSET = 127.8' LEFT

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

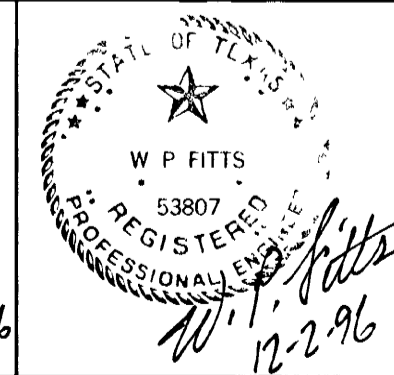
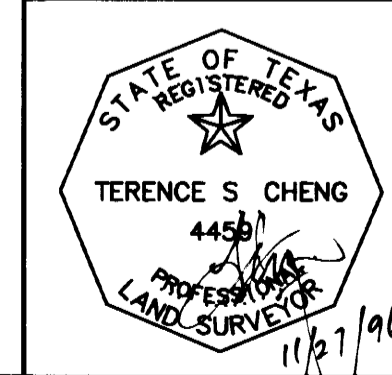
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018

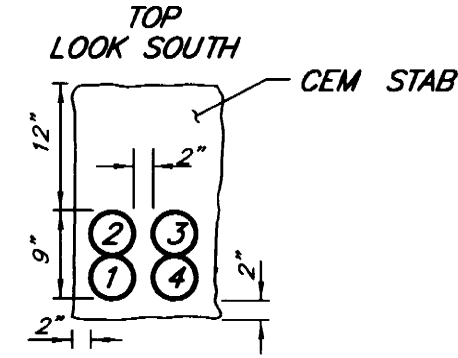
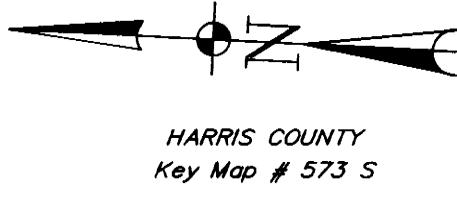
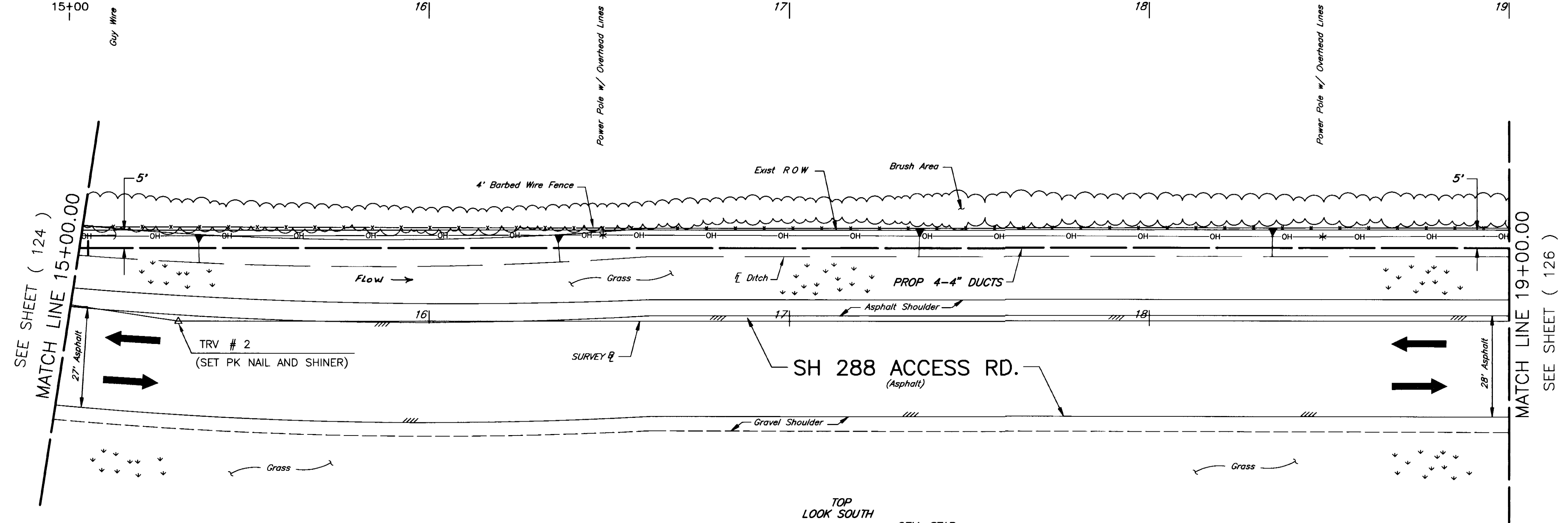
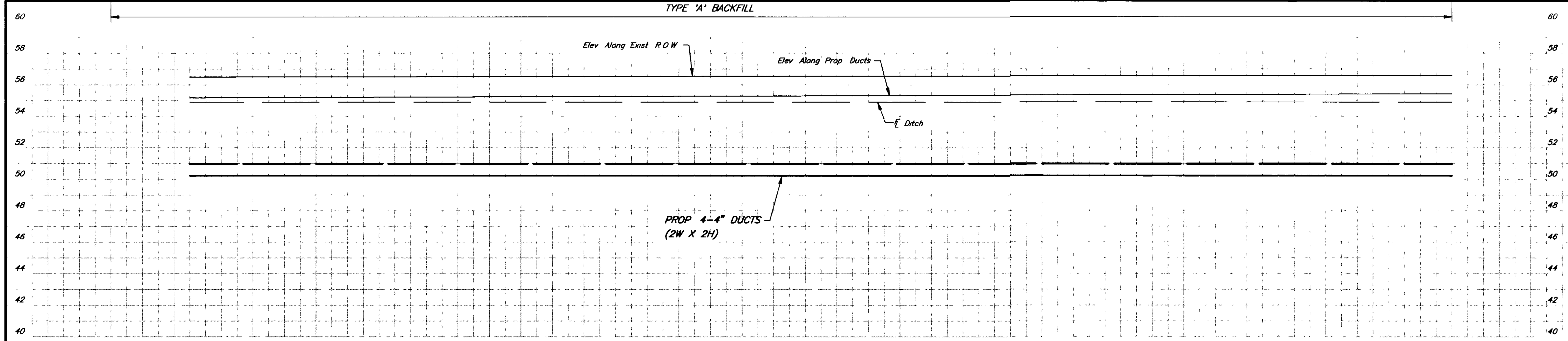


SH 288
HOUSTON, TEXAS

SCALE PLAN 1"= 20	PROFILE HORIZ 1"= 20	PROFILE VERT 1"= 4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITTS MGR-ENG. (DESIGN)		12-4-96
APPROVALS	M. M. Mace MANAGER ENG. (DESIGN)	John Johnson AREA MGR. ENG. DESIGN	
JOB NO.	EST NO 0607386	DRAWN BY	SHEET
AREA NO. WK-44.33	C O IDLEWOOD *433	TAX DIST HG-031	124



1-E3-6



SECTION OF PROP. 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

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

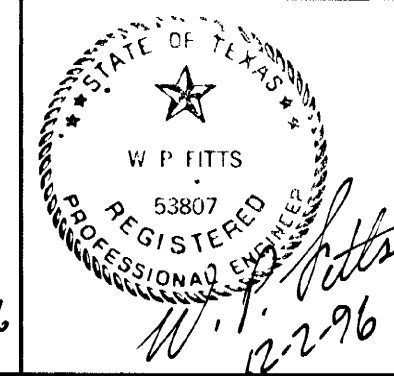
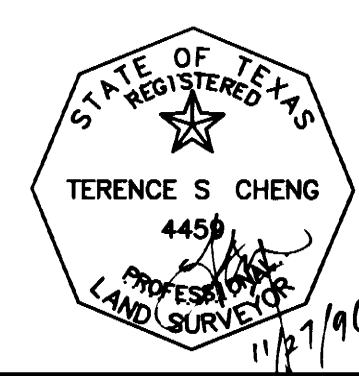
SECTION APPROVALS	
WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018



SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITTS MGR-ENG (DESIGN)		12-4-96
APPROVAL	MANAGER ENG. (DESIGN)	AREA MGR. ENG. (DESIGN)	
JOB NO.	EST NO 0607386	DRAWN BY	SHEET 125
AREA NO. WK-4433	CO IDLEWOOD *433*	TAX DIST HG-031	

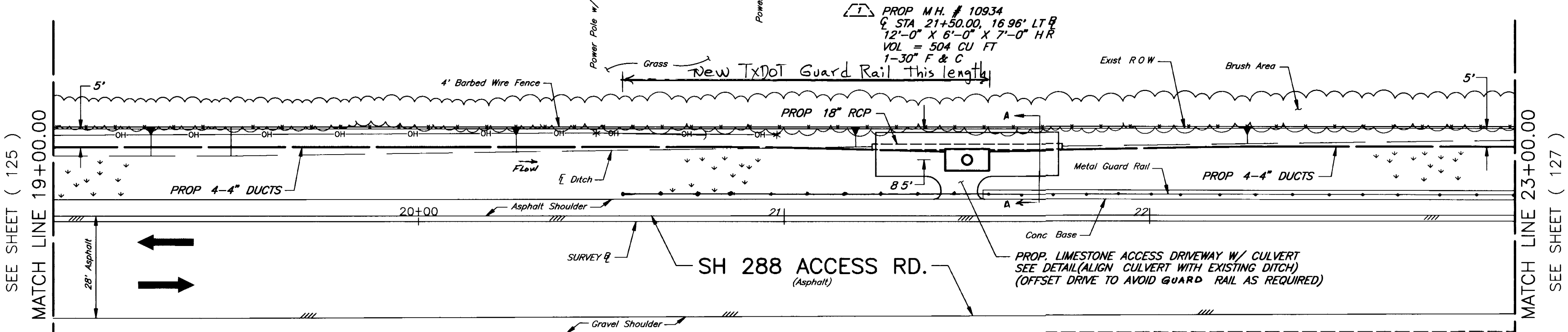
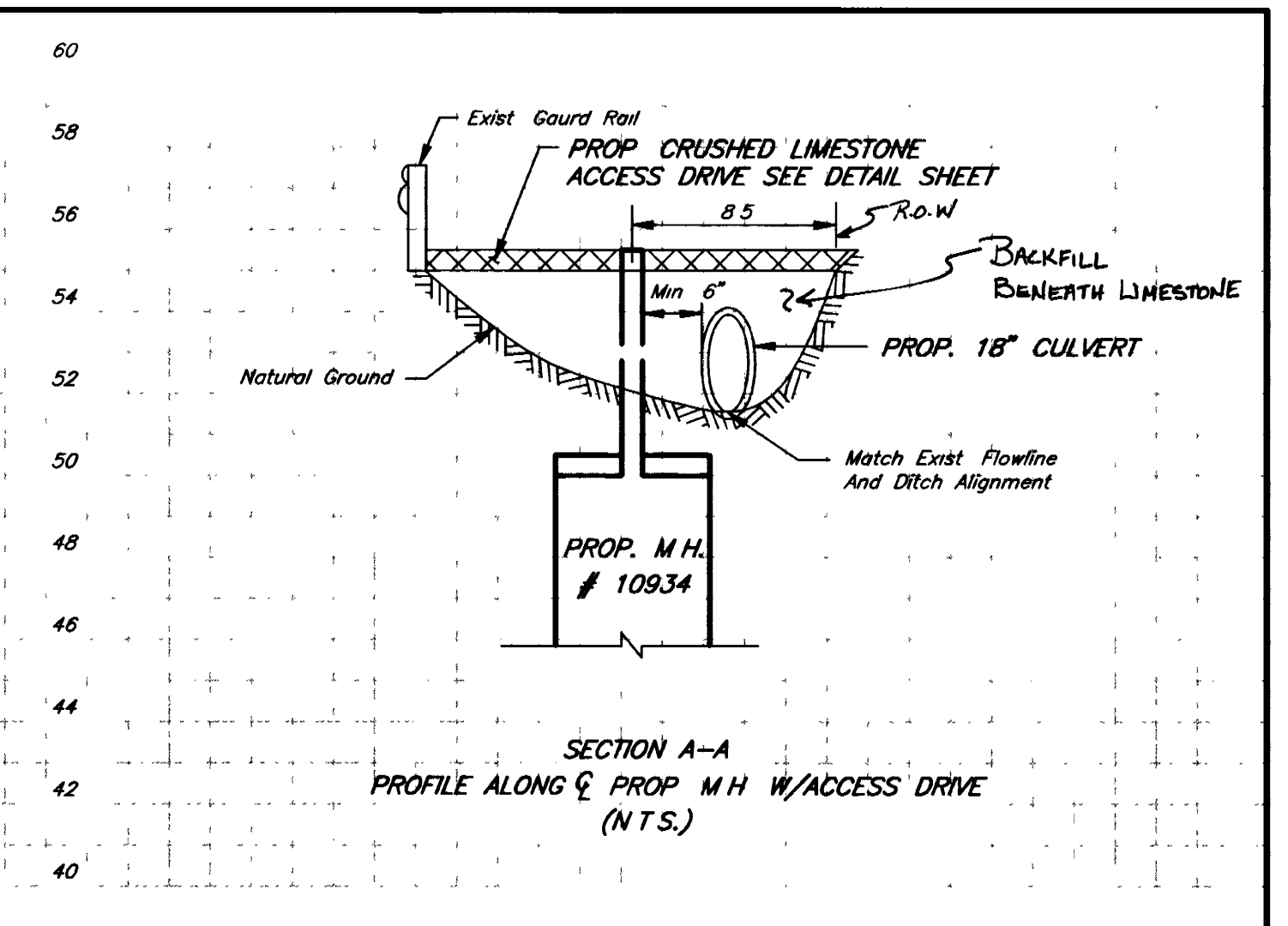
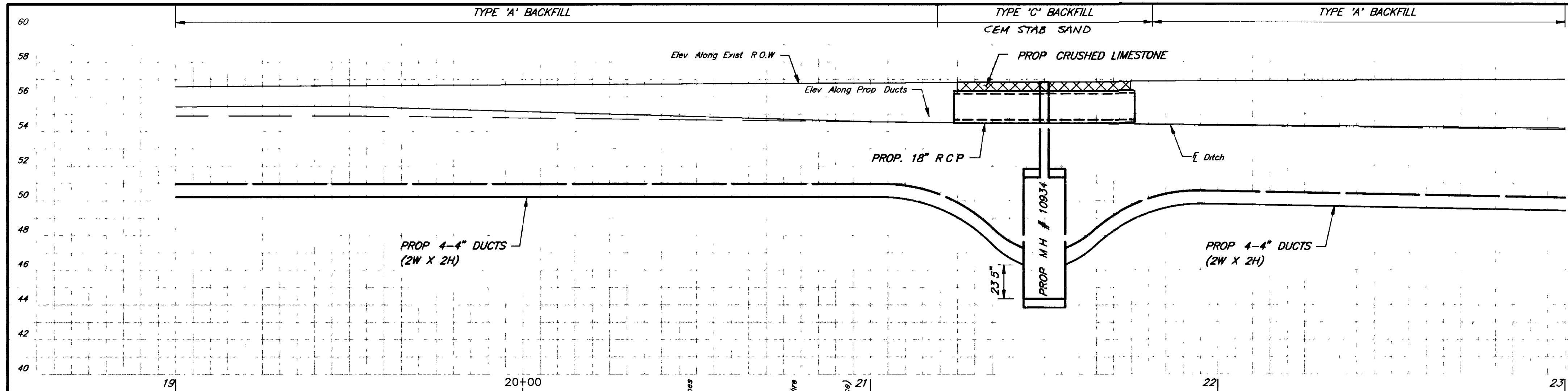


F B NO 313 C
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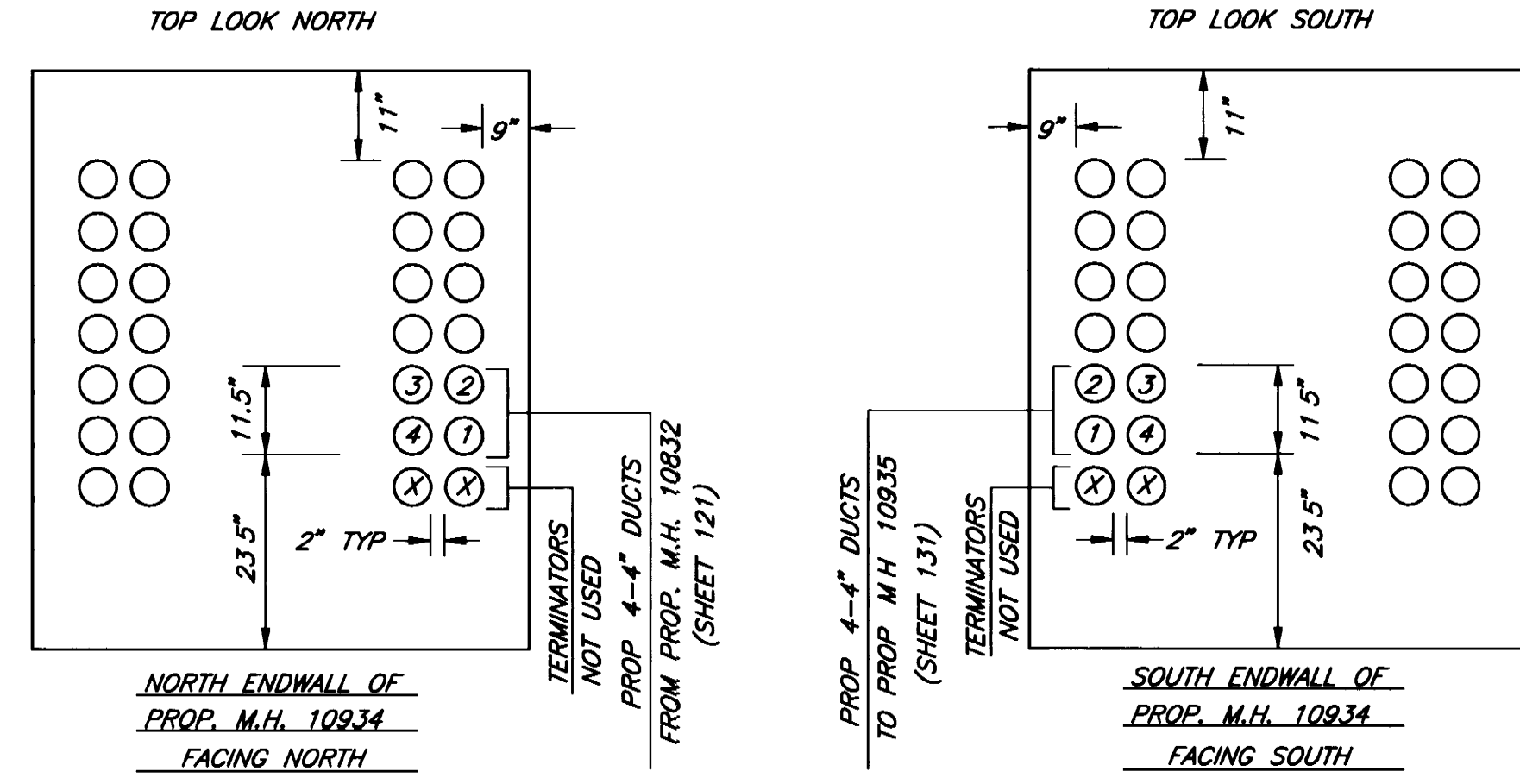
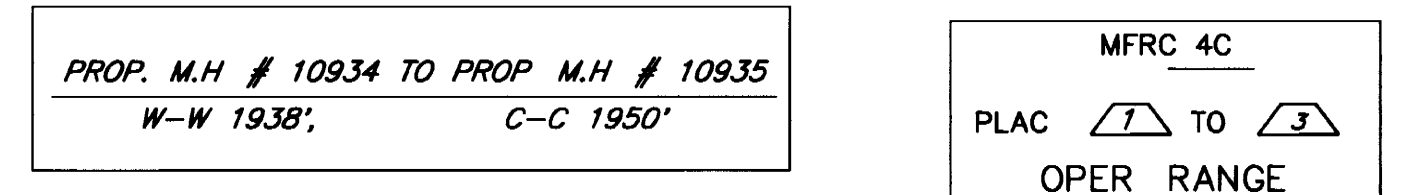
TSC ENGINEERING COMPANY
Engineers Surveyors

BENCHMARK

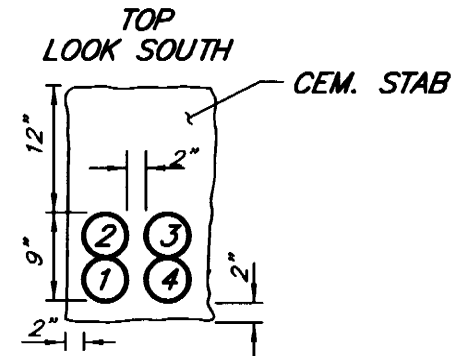
TxDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
TBM #16
TOP OF A RAILROAD SPIKE SET 1.6 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S.H. 288, BEING +/- 300 FEET NORTH-EAST OF A 100-FOOT HIGH LIGHT STANDARD, BEING +/- 300 FEET SOUTH-WEST OF AN ALMEDA GENOA ROAD SIGN, AND BEING +/- 600 FEET SOUTH OF ALMEDA GENOA ROAD
ESTABLISHED ELEV = 57.62 1978 ADJUSTMENT
B.L. STATION = 6+77 OFFSET = 127.8' LEFT



PROP M.H. # 10934 TO PROP M.H. # 10935 (SHEET 131)
 PL 4-PVC-C-4" = 1938' (7752 DU FT) (4C)



HARRIS COUNTY
 Key Map # 573 S. W



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

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

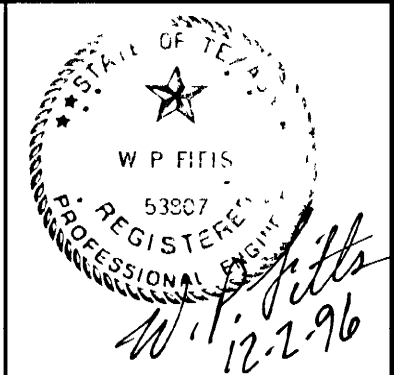
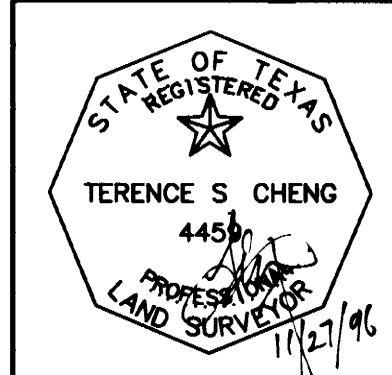
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F. B. NO	

CP # 96-018



SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY	W.P. FIFIS		12-4-96
APPROVALS	 MANAGER ENG. (DESIGN) AREA MGR. ENG. (DESIGN)		
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 126
AREA NO. WK-4433	C O IDLEWOOD "433"	TAX DIST	HG-029

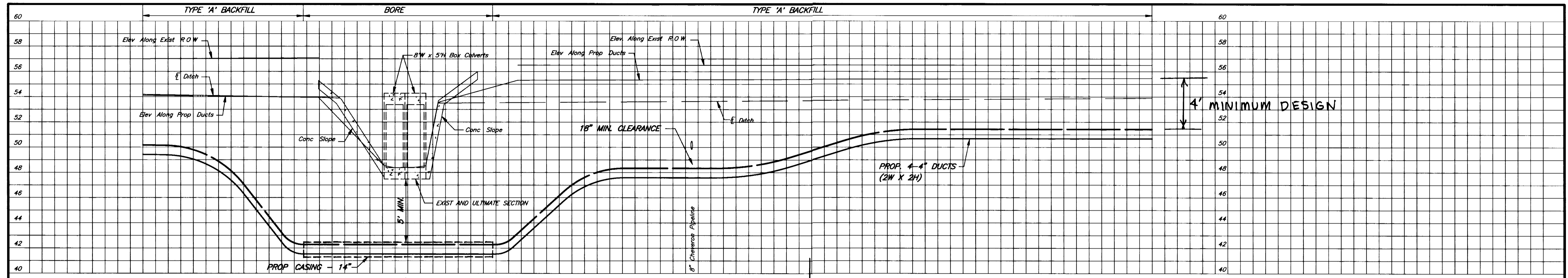


OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT MORT DATE
1	PLAC	MANHOLE	4C		1		
2	PLAC	TRENCH-4-MPC	4C	1938'			
3	PLAC	PVC-C-4"	4C	7752'	65'		

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 TBM #15
 TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/-400 FEET SOUTH-EAST OF A 100-FOOT HIGH LIGHT STANDARD, AND BEING +/-1800 FEET SOUTH OF ALMEDA GENDA ROAD
 ESTABLISHED ELEV = 57.28 1978 ADJUSTMENT
 B L STATION = 18+99 OFFSET = 23.5' LEFT

TSC ENGINEERING COMPANY
 F.B. NO. 313 C
 FILE INFO C:\581\SW581146.dwg 1=20 11/21/96 17:57 RVP

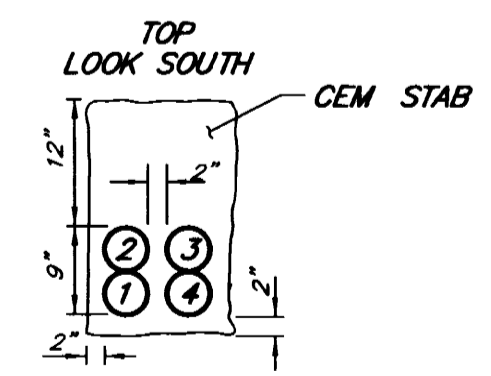
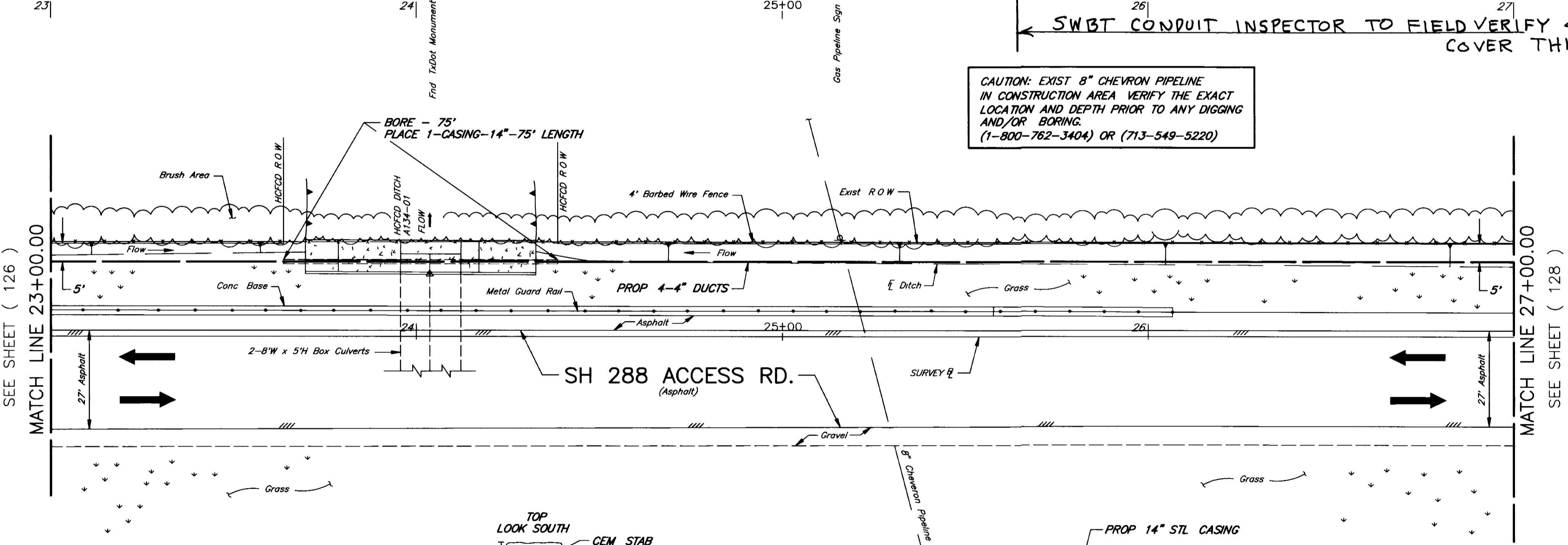
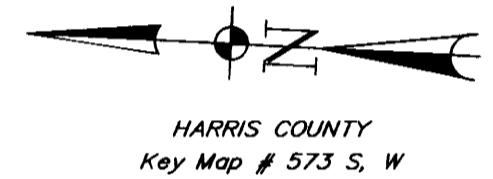
3-5-97 Added x 100' new TXDOT Guard Rail
 W.P.F.



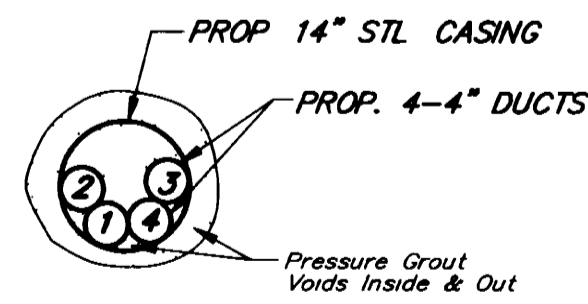
4' MINIMUM DESIGN

SWBT CONDUIT INSPECTOR TO FIELD VERIFY 4' MINIMUM COVER THIS SECTION

CAUTION: EXIST 8" CHEVRON PIPELINE IN CONSTRUCTION AREA VERIFY THE EXACT LOCATION AND DEPTH PRIOR TO ANY DIGGING AND/OR BORING. (1-800-762-3404) OR (713-549-5220)



SECTION OF PROP 4 DUCTS (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



SECTION OF PROP. 4 DUCTS FACING SOUTH

TSC ENGINEERING COMPANY
 F B NO. 313 c
 FILE INFO F:\USER2\SW58147.dwg 1=20 11/27/96 08:56 H.S.
 Engineers Surveyors

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

TBM #15
 TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 400 FEET SOUTH-EAST OF A 100-FOOT HIGH LIGHT STANDARD, AND BEING +/- 1800 FEET SOUTH OF ALMEDA GENOA ROAD
 ESTABLISHED ELEV = 57.28 1978 ADJUSTMENT
 B.L. STATION = 18+99 OFFSET = 23.5' LEFT

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 _____

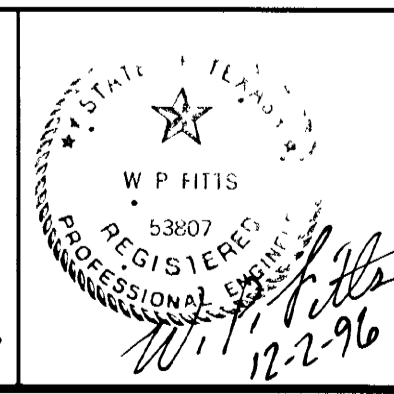
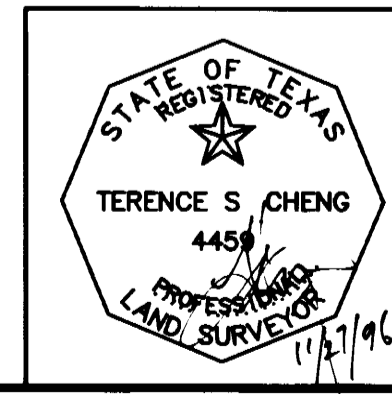
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

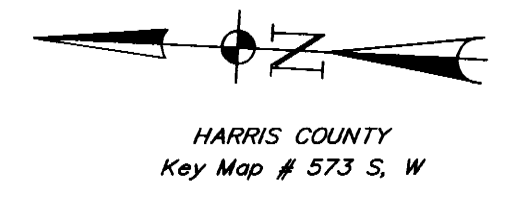
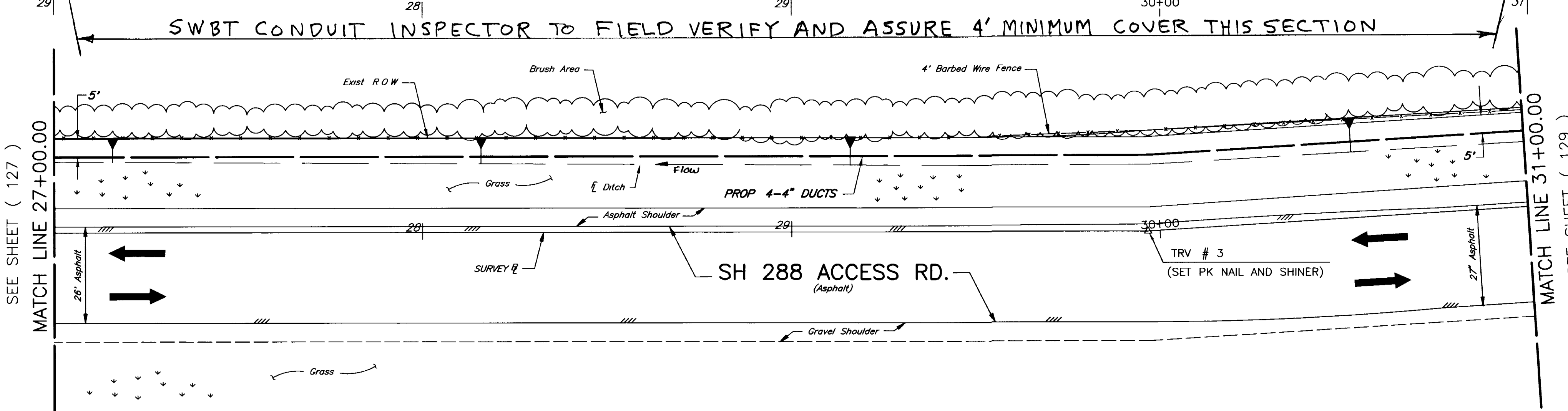
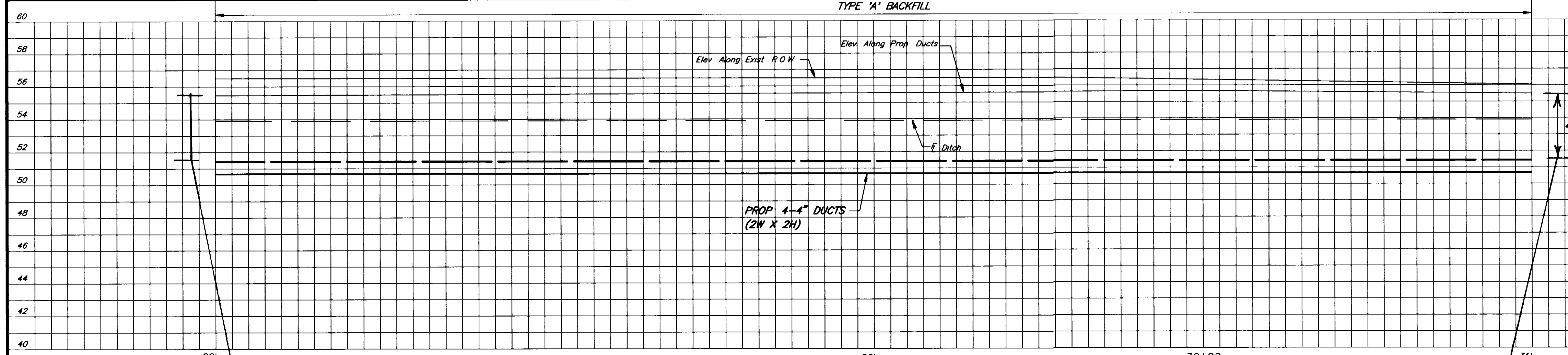
CP # 96-018



SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. HITS	53807	12-4-96
APPROVAL MANAGER ENG. (DESIGN)	APPROVAL AREA MGR. ENG. (DESIGN)		
JOB NO.	EST NO 0607386	DRAWN BY	SHEET 127
AREA NO. WK-4433	C.O. IDLEWOOD "433"	TAX DIST	HG-031



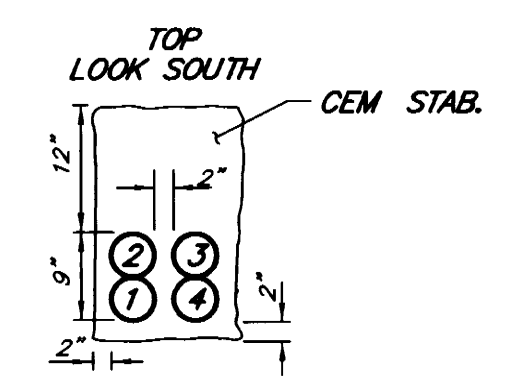


SWBT CONDUIT INSPECTOR TO FIELD VERIFY AND ASSURE 4' MINIMUM COVER THIS SECTION

4' MIN. DESIGN

SEE SHEET (127)
MATCH LINE 27+00.00

MATCH LINE 31+00.00
SEE SHEET (129)



SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENGASEMENT SPECIFICATIONS)

BENCHMARK

TxDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S H 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8

PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

TBM #14
TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE WEST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #65 (+/- 100 FEET HIGH) LOCATED ON THE EAST SIDE OF S H 288, BEING +/- 500 FEET SOUTH OF ALMEDA GENOA EXIT SIGN, AND BEING +/- 2800 FEET SOUTH OF ALMEDA GENOA ROAD

ESTABLISHED ELEV = 60.03 1978 ADJUSTMENT
B.L. STATION = 30+54 OFFSET = 36.5' RIGHT

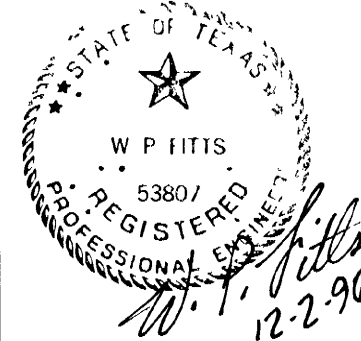
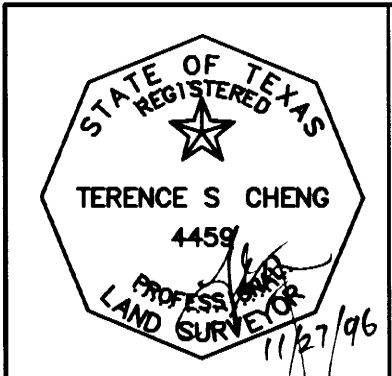
CITY OF HOUSTON	
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING ENGINEERING, CONSTRUCTION AND REAL ESTATE GROUP	
SECTION APPROVALS	
WATER ENGINEERING _____	TRAFFIC AND SIGNAL ENGINEERING _____
WASTEWATER ENGINEERING _____	STREET & BRIDGE ENGINEERING _____
STORM SEWER ENGINEERING _____	CONSTRUCTION _____
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT _____	SPONSOR DEPARTMENT _____
CITY ENGINEER _____	DATE _____
DIRECTOR OF PUBLIC WORKS AND ENGINEERING _____	DATE _____
SUBMITTED _____	DESIGNED BY _____
SCALE _____	DRAWN BY _____
DATE _____	SHEETS OF _____
SURV BY _____	CITY DWG NO _____
F B NO _____	

CP # 96-018



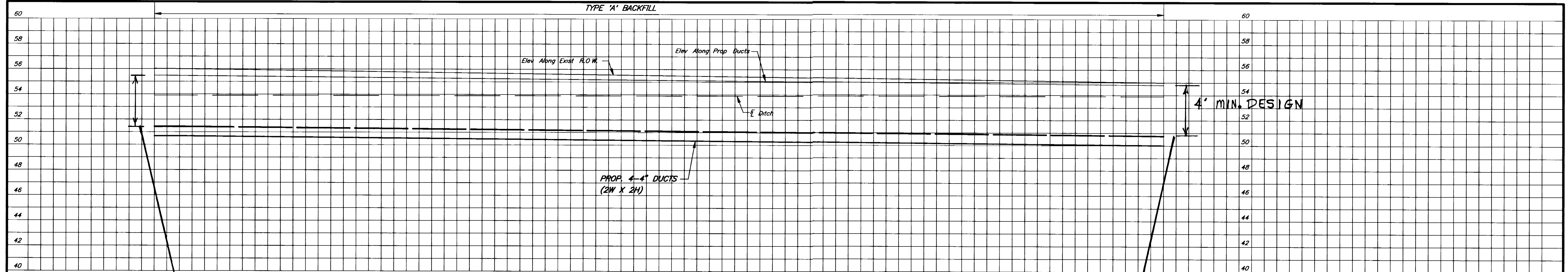
SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. Hillis MGR-ENG (DESIGN)		12-4-96
APPROVAL MANAGER ENG (DESIGN)	W.P. Hillis AREA MGR ENG (DESIGN)		
JOB NO.	EST NO 0607386	DRAWN BY	SHEET 128
AREA NO. WK-4433	O.O. IDLEWOOD *433*	TAX DIST HG-031	

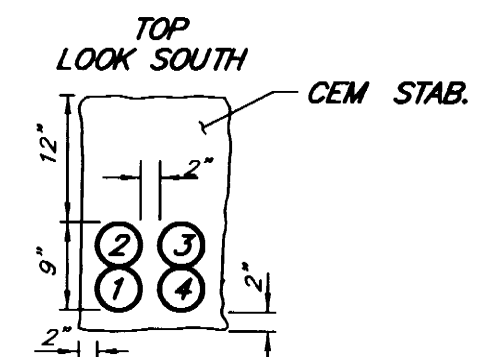
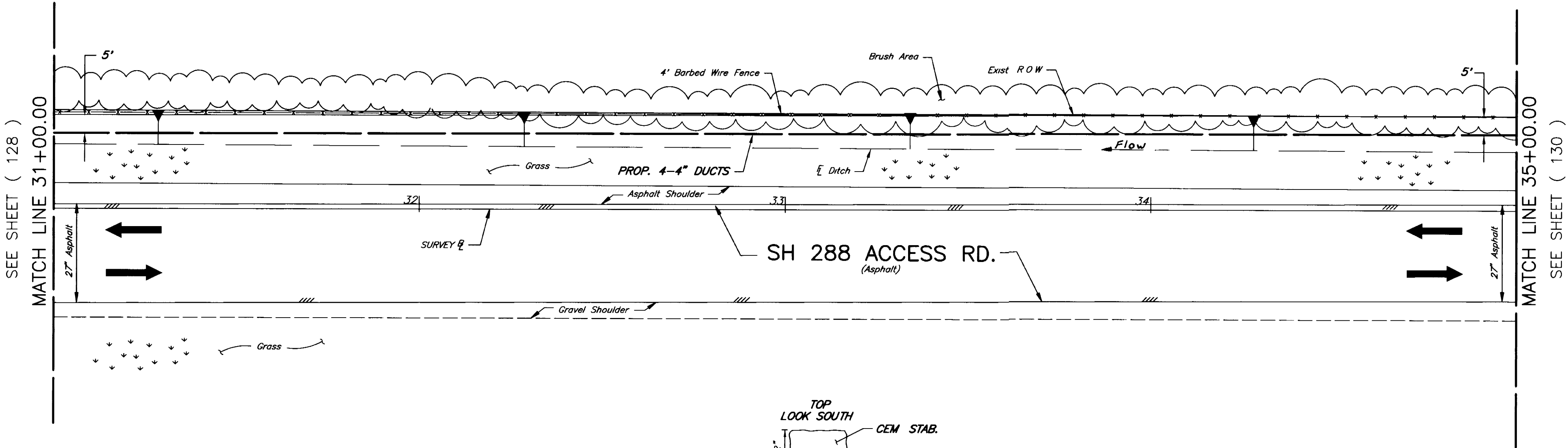
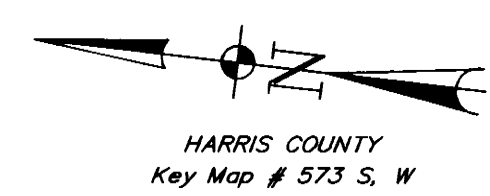


F B NO 313 C
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TSC ENGINEERING COMPANY
Engineers Surveyors



SWBT CONDUIT INSPECTOR TO FIELD VERIFY AND ASSURE 4' MINIMUM COVER THIS SECTION



SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

FB NO 313 C
 FILE INFO F:\USER2\SWB81A9.dwg, 1=20 11/27/96 08:45 H S

TSC ENGINEERING COMPANY
 Engineers Surveyors

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S H 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 TBM #14
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE WEST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #55 (4'-100 FEET HIGH) LOCATED ON THE EAST SIDE OF S H 288, BEING +/- 500 FEET SOUTH OF ALMEDA GENOA EXIT SIGN, AND BEING +/- 2800 FEET SOUTH OF ALMEDA GENOA ROAD
 ESTABLISHED ELEV = 60.03 1978 ADJUSTMENT
 B.L. STATION = 30+54 OFFSET = 36.5' RIGHT

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

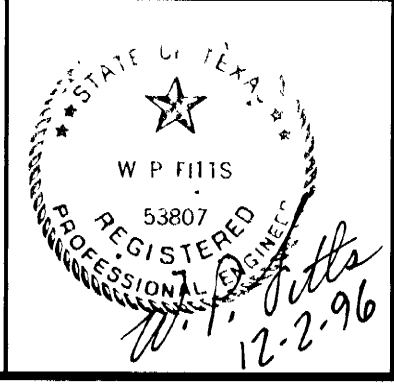
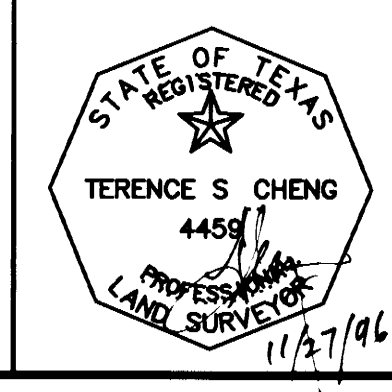
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

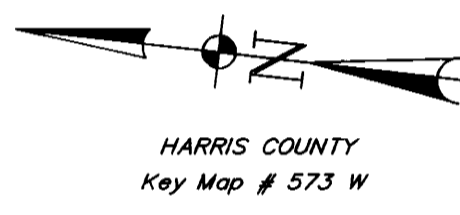
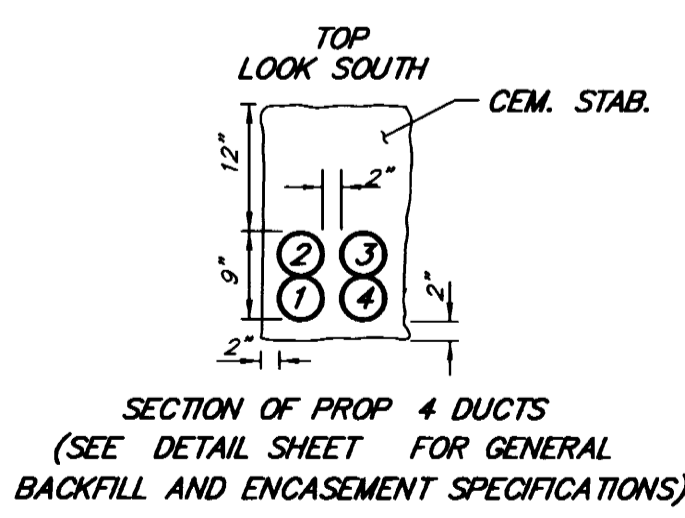
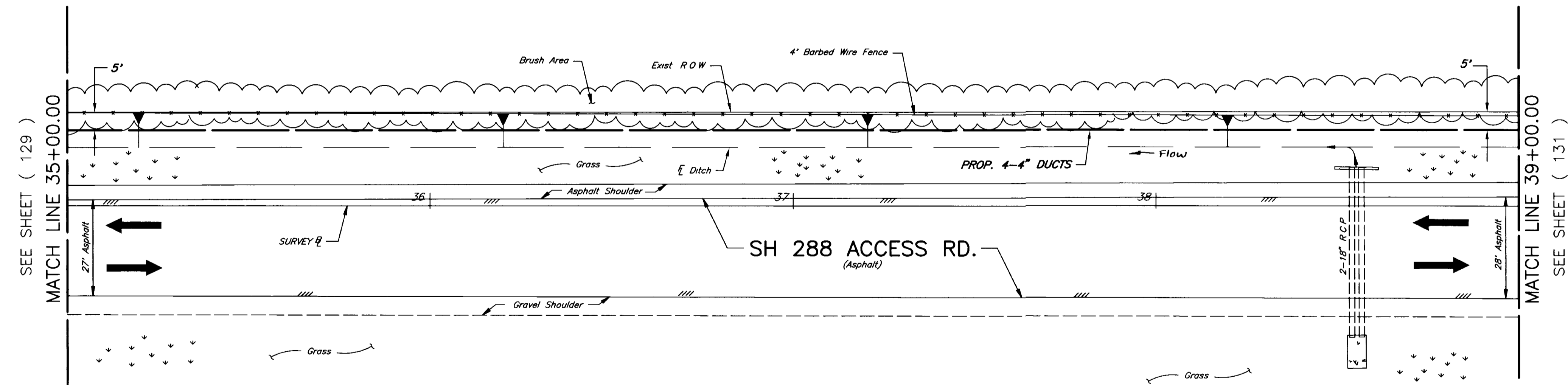
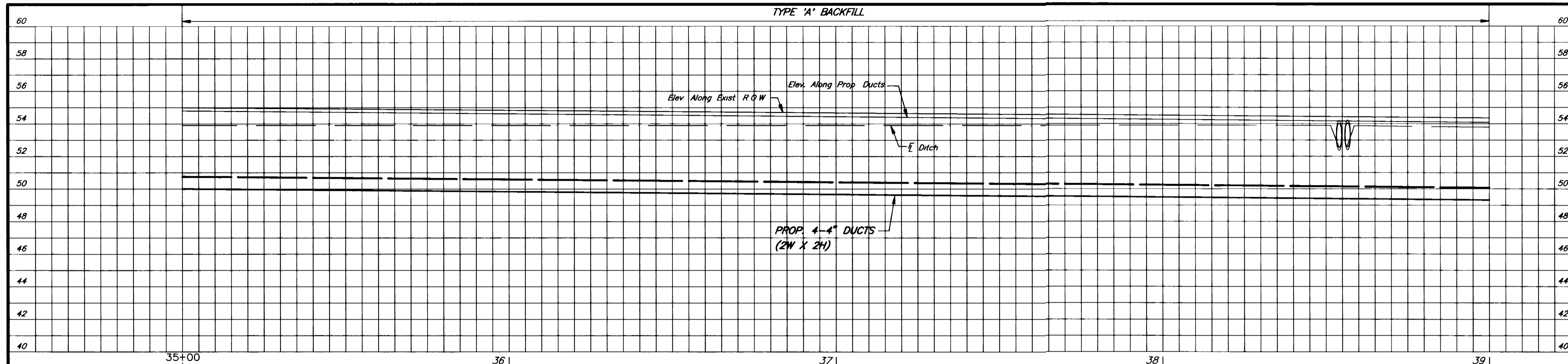
CP # 96-018



SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	APPROVED BY MANAGER ENG (DESIGN)	APPROVED BY AREA MGR ENG DESIGN	12-4-96
JOB NO:	EST NO: 0607386	DRAWN BY	SHEET 129
AREA NO: WK-4433	C.O. IDLEWOOD "433"	TAX DIST: HG-031	





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

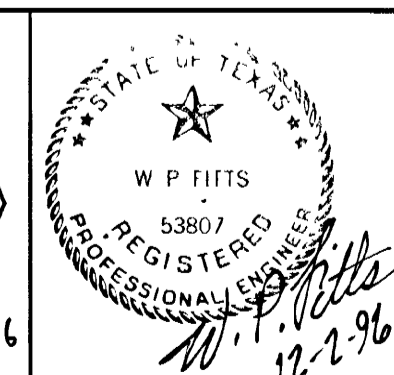
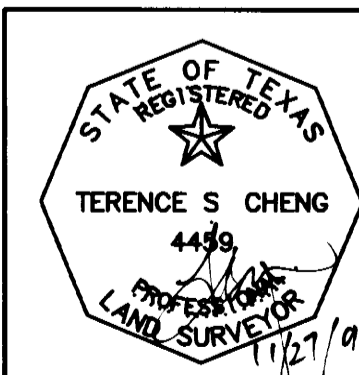
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018



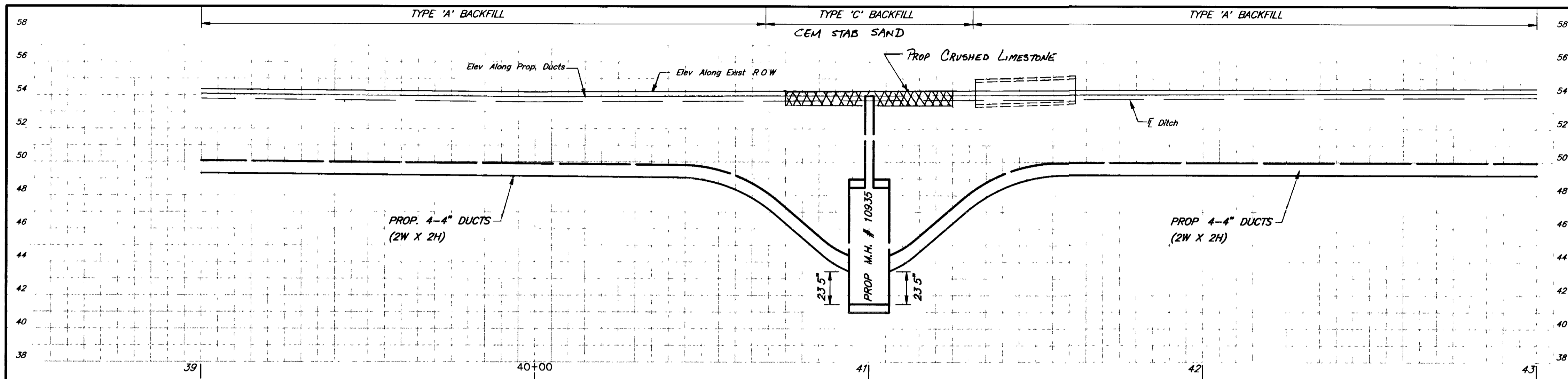
SH 288
HOUSTON, TEXAS

SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITTS W.P. ENGR. (DESIGN)		12-4-96
APPROVALS	MANAGER ENG. (DESIGN)	AREA MGR ENG. DESIGN	
JOB NO.	EST NO 0607386	DRAWN BY	SHEET 130
AREA NO. WK-4433	C.O. IDLEWOOD *433*	TAX DIST	HG-031

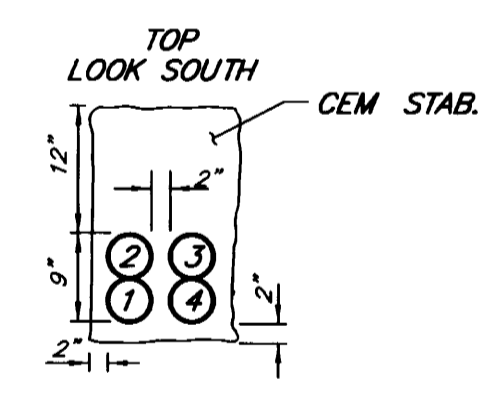
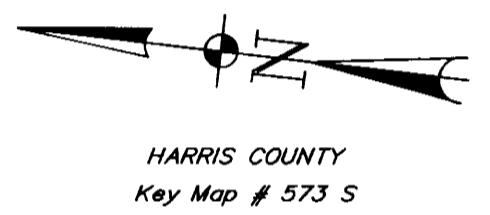
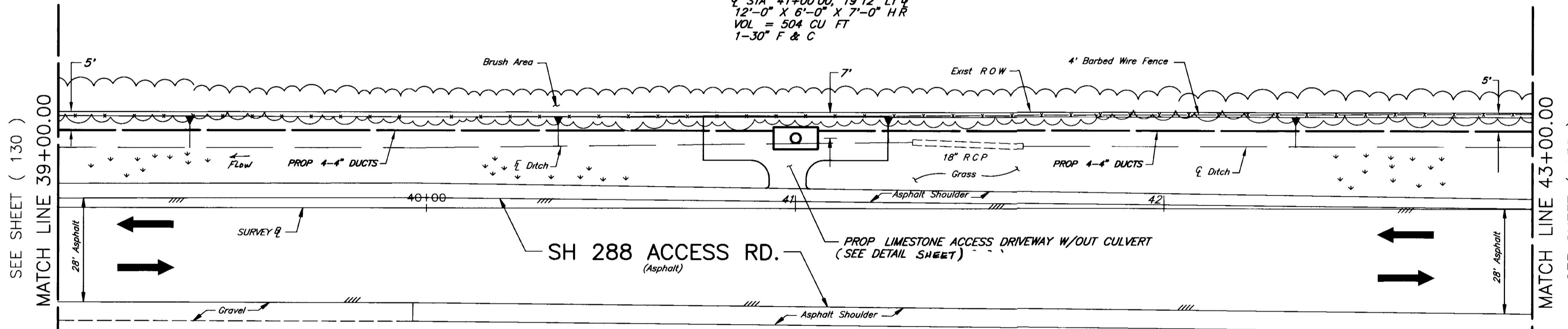


TSC ENGINEERING COMPANY
Engineers Surveyors
FB NO 313 C
FILE INFO F:\USER2\SW581A10.dwg 1=20 11/27/96 08 51 H S

BENCHMARK
TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF BW 8
PUBLISHED ELEV = 56 27 1978 ADJUSTMENT
TBM #13
TOP OF A BOX CHISELED IN THE CENTERLINE OF A CONCRETE HEADWALL LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 300 FEET NORTHEAST OF THE ALMEDA GENOA ROAD EXIT 1/2-MILE SIGN, AND BEING +/- 200 FEET SOUTHEAST OF THE HOUSTON 11 MILES SIGN
ESTABLISHED ELEV = 55 16 1978 ADJUSTMENT
BL STATION = 39+07 OFFSET = 10 5' LEFT



PROP M.H. # 10935
 STA 41+00.00, 19' 12" LT B
 12'-0" X 6'-0" X 7'-0" HR
 VOL = 504 CU FT
 1-30" F & C

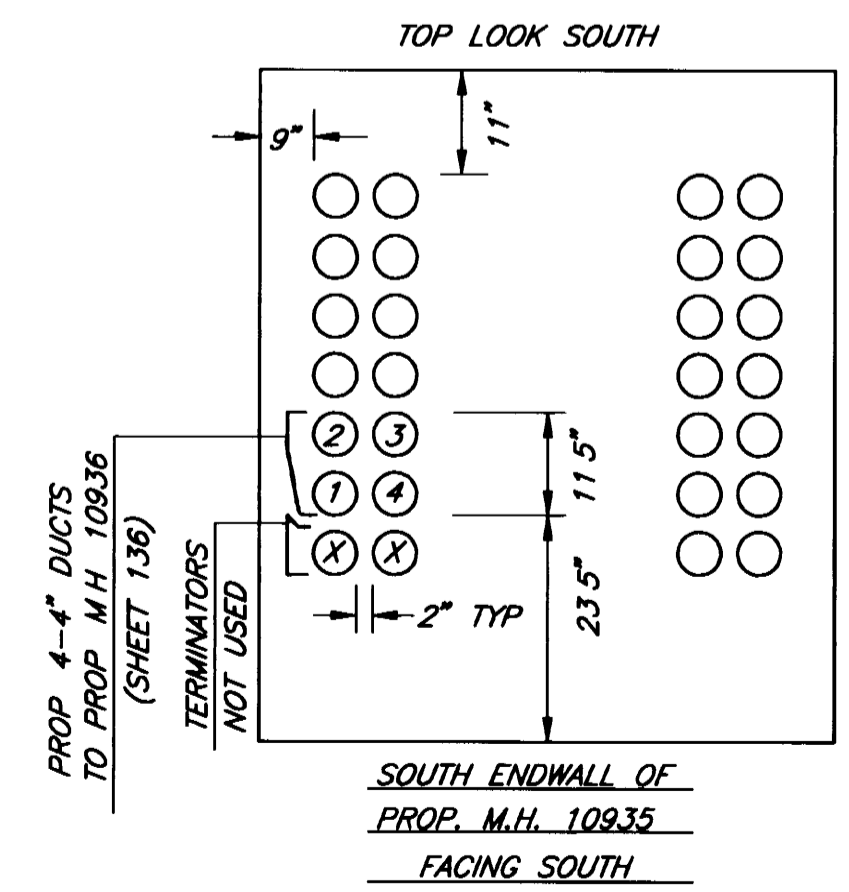
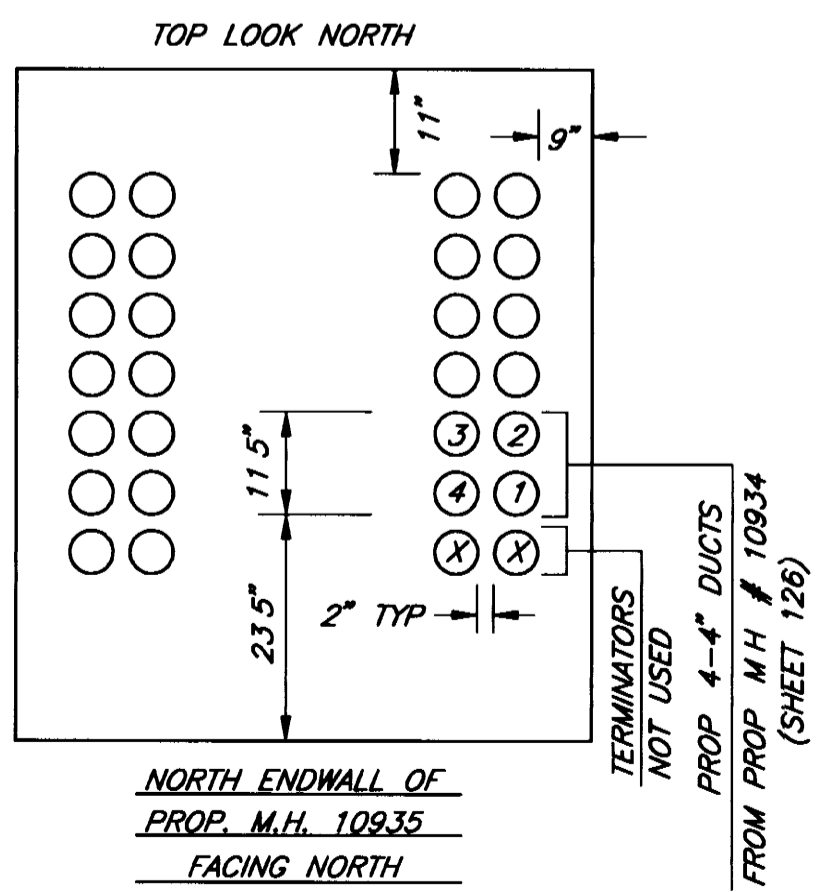


SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET B FOR GENERAL
 BACKFILL AND ENCASEMENT SPECIFICATIONS)

PROP M.H. # 10935 TO W.O. # 1 (SHEET 134)
 PL 4-4" C'-PVC = 1210' (4840' DU FT) (4C)

PROP M.H. # 10935 TO PROP M.H. 10936 (136)
 W-W 1884' C-C 1896'

MFRC 4C
 PLAC 1 TO 3
 OPER RANGE



BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN
 AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND
 FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF
 B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 T.B.M. #13
 TOP OF A BOX CHISELED IN THE CENTERLINE OF A CONCRETE HEADWALL
 LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND
 S.H. 288, BEING +/- 300 FEET NORTHEAST OF THE ALMEDA GENOA ROAD
 EXIT 1/2-MILE SIGN, AND BEING +/- 200 FEET SOUTHEAST OF THE
 HOUSTON 11 MILES SIGN
 ESTABLISHED ELEV = 55.16 1978 ADJUSTMENT
 B.L. STATION = 39+07 OFFSET = 10.5' LEFT

OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS	
							AMOUNT	NOT DATE
1	PLAC	MANHOLE	4C		1			
2	PLAC	TRENCH-4-MPC	4C	1210'				
3	PLAC	PVC-C-4"	4C	4840'	165'			

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 _____

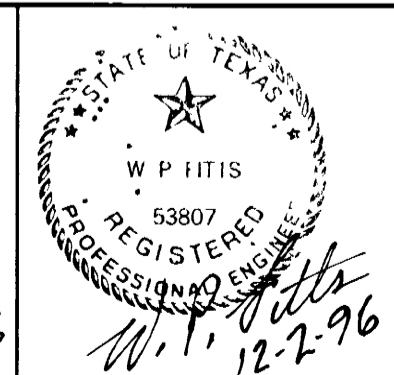
SUBMITTED _____ DESIGNED BY _____
 SCALE _____ DRAWN BY _____
 DATE _____ SURV BY _____ SHEETS OF _____
 F B NO _____ CITY DWG NO _____

CP # 96-018

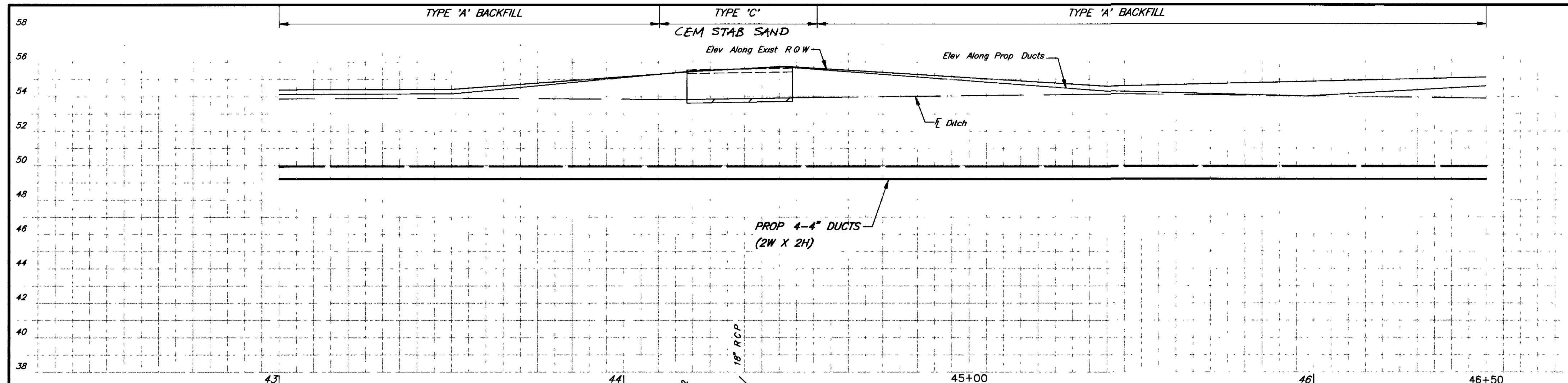


SH 288
HOUSTON, TEXAS

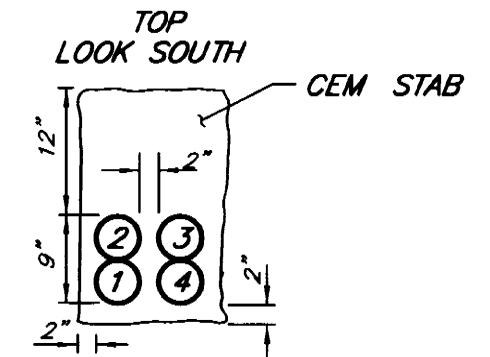
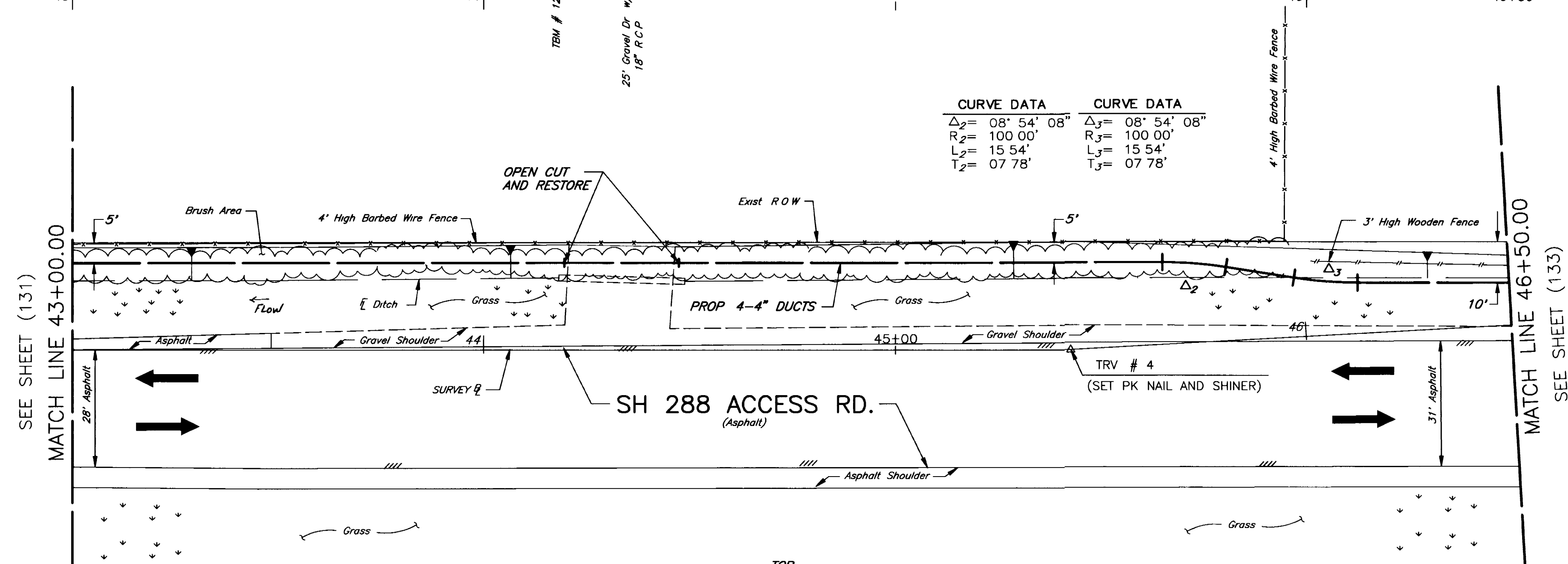
SCALE PLAN 1" = 20	PROFILE HORIZ 1" = 20	PROFILE VERT 1" = 4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITS		12-4-96
APPROVALS MANAGER ENG. (DESIGN)	W.P. FITS REGISTERED PROFESSIONAL ENGINEER	AREA MGR. ENGR. (DESIGN)	
JOB NO.	EST. NO. 0607386	DRAWN BY	SHEET 131
AREA NO. WK-4433	C.O. IDLEWOOD *433*	TAX DIST HG-031	



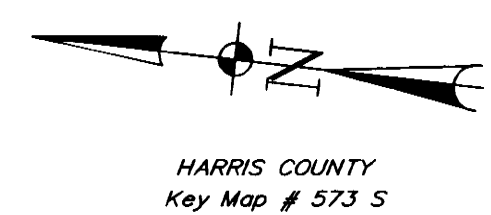
TSC ENGINEERING COMPANY
 Engineers Surveyors
 F.B. NO. 313 C
 FILE INFO C:\HWY288\SW681A11.dwg I=20 11/21/96 14:28 RVP



CURVE DATA		CURVE DATA	
$\Delta_2 = 08^\circ 54' 08''$	$\Delta_3 = 08^\circ 54' 08''$	$R_2 = 100.00'$	$R_3 = 100.00'$
$L_2 = 15.54'$	$L_3 = 15.54'$	$T_2 = 07.78'$	$T_3 = 07.78'$



SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET B FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



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

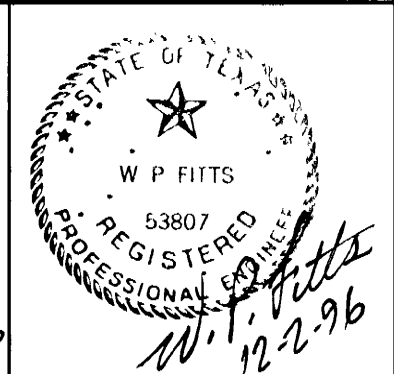
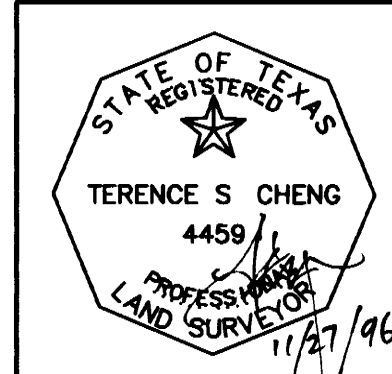
SECTION APPROVALS	
WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018



SH 288
HOUSTON, TEXAS

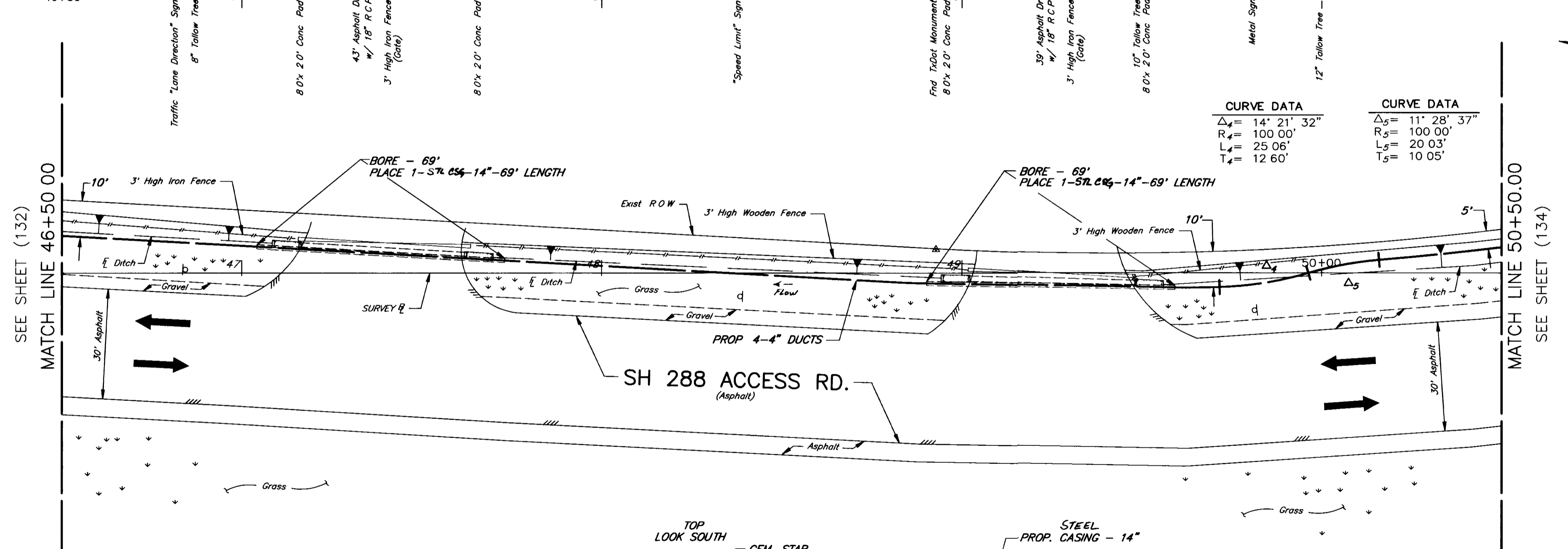
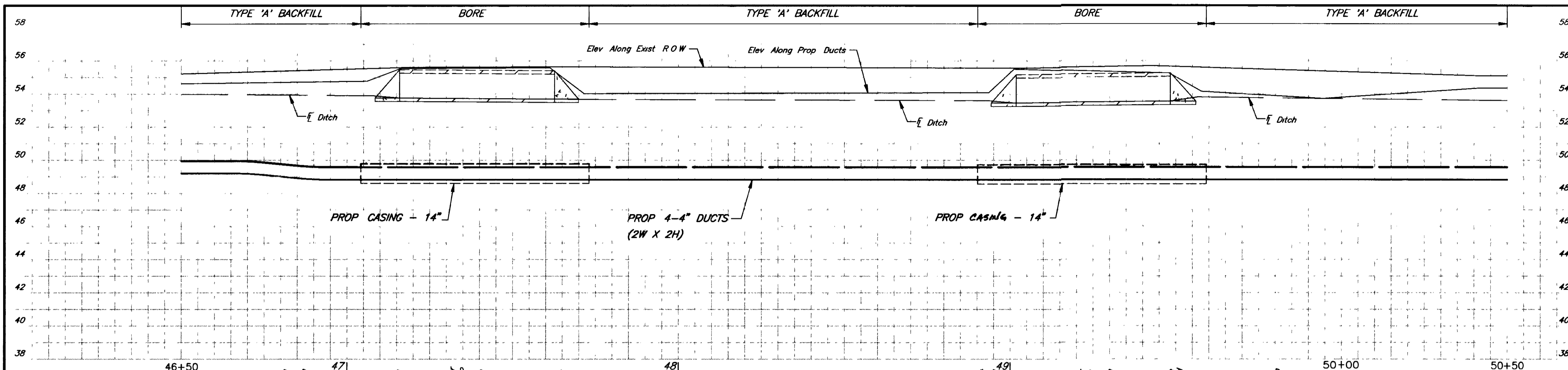
SCALE	PLAN 1"= 20'	PROFILE HORZ 1"= 20'	PROFILE VERT 1"= 4'	ISSUE DATE
PREPARED BY	W.P. FITTS			12-4-96
CONDUIT DISTRICT	W.P. FITTS			
APPROVED	John Eubank			
MANAGER ENG. (DESIGN)	AREA MGR. ENG. (DESIGN)			
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 132	
AREA NO. WK-4433	C O IDLEWOOD "433"	TAX DIST	HG-031	



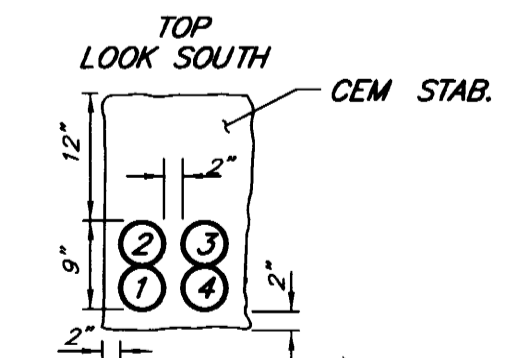
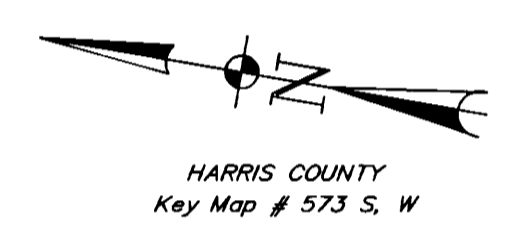
TSC ENGINEERING COMPANY
 FB NO. 313 C
 FILE INFO C:\HWY288\SH288\1A12.dwg 1=20 11/21/96 13.40 RVP

TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
TBM #12
TOP OF A BOX CHISELED ON THE TOP OF AN 18-INCH RCP LOCATED ON THE NORTH SIDE OF A 26-FOOT WIDE DIRT DRIVEWAY ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 400 FEET NORTH OF THE FREEDOM HOMES SIGN, AND BEING +/- 400 FEET SOUTHEAST OF THE ALMEDA GENOA ROAD EXIT 1/2-MILE SIGN
ESTABLISHED ELEV = 55.66 1978 ADJUSTMENT
B L STATION = 44+70 OFFSET = 17.6' LEFT

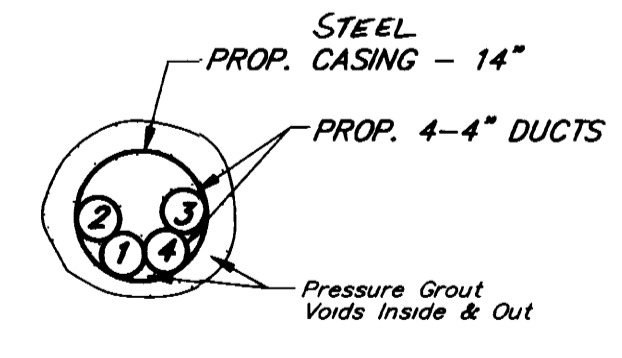
ID E3-14



CURVE DATA		CURVE DATA	
$\Delta_4 = 14^\circ 21' 32''$	$\Delta_5 = 11^\circ 28' 37''$	$R_4 = 100.00'$	$R_5 = 100.00'$
$L_4 = 25.06'$	$L_5 = 20.03'$	$T_4 = 12.60'$	$T_5 = 10.05'$



SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



SECTION OF PROP. 4 DUCTS
FACING SOUTH

F B NO 313 C
 FILE INFO C:\ACAD\12\311561\SWB51A13.dwg 1=20 11/21/96 18:10 ADZ

TSC ENGINEERING COMPANY
 Engineers Surveyors

TxDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 TBM #12
 TOP OF A BOX CHISELED ON THE TOP OF AN 18-INCH RCP LOCATED ON THE NORTH SIDE OF A 26-FOOT WIDE DIRT DRIVEWAY ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S.H. 288, BEING +/- 400 FEET NORTH OF THE FREEDOM HOMES SIGN, AND BEING +/- 400 FEET SOUTHEAST OF THE ALMEDA GENOA ROAD EXIT 1/2-MILE SIGN
 ESTABLISHED ELEV = 55.66 1978 ADJUSTMENT
 B.L. STATION = 44+70 OFFSET = 17.6' LEFT

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

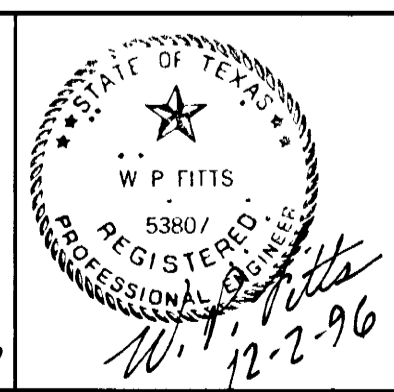
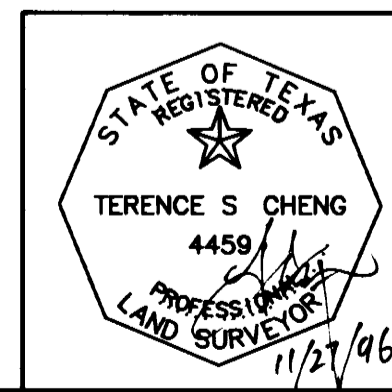
SECTION APPROVALS	
WATER ENGINEERING	TRAFFIC AND SIGNAL ENGINEERING
WASTEWATER ENGINEERING	STREET & BRIDGE ENGINEERING
STORM SEWER ENGINEERING	CONSTRUCTION
OTHER DEPARTMENTS	
PLANNING AND DEVELOPMENT	SPONSOR DEPARTMENT
CITY ENGINEER	DATE
DIRECTOR OF PUBLIC WORKS AND ENGINEERING	DATE
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

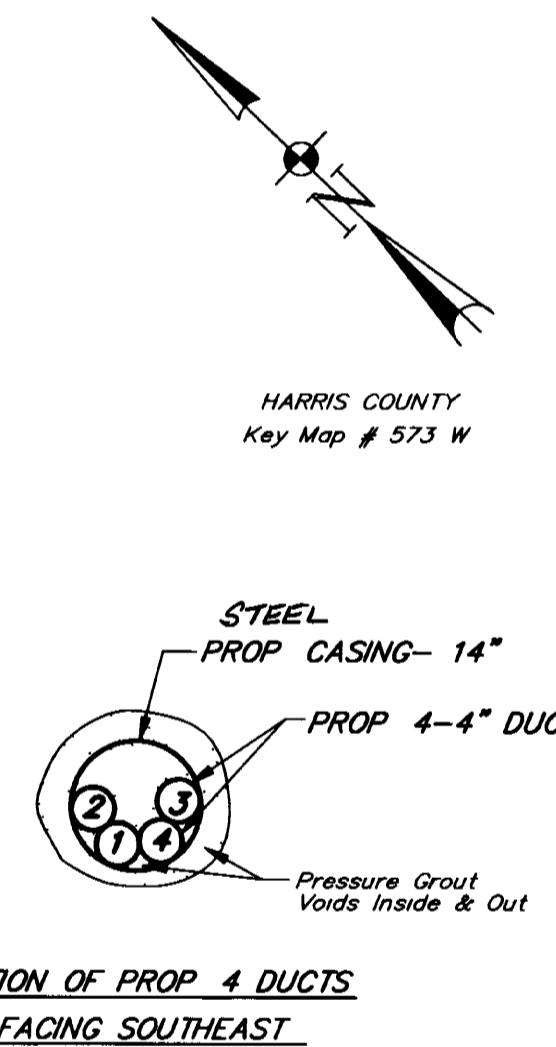
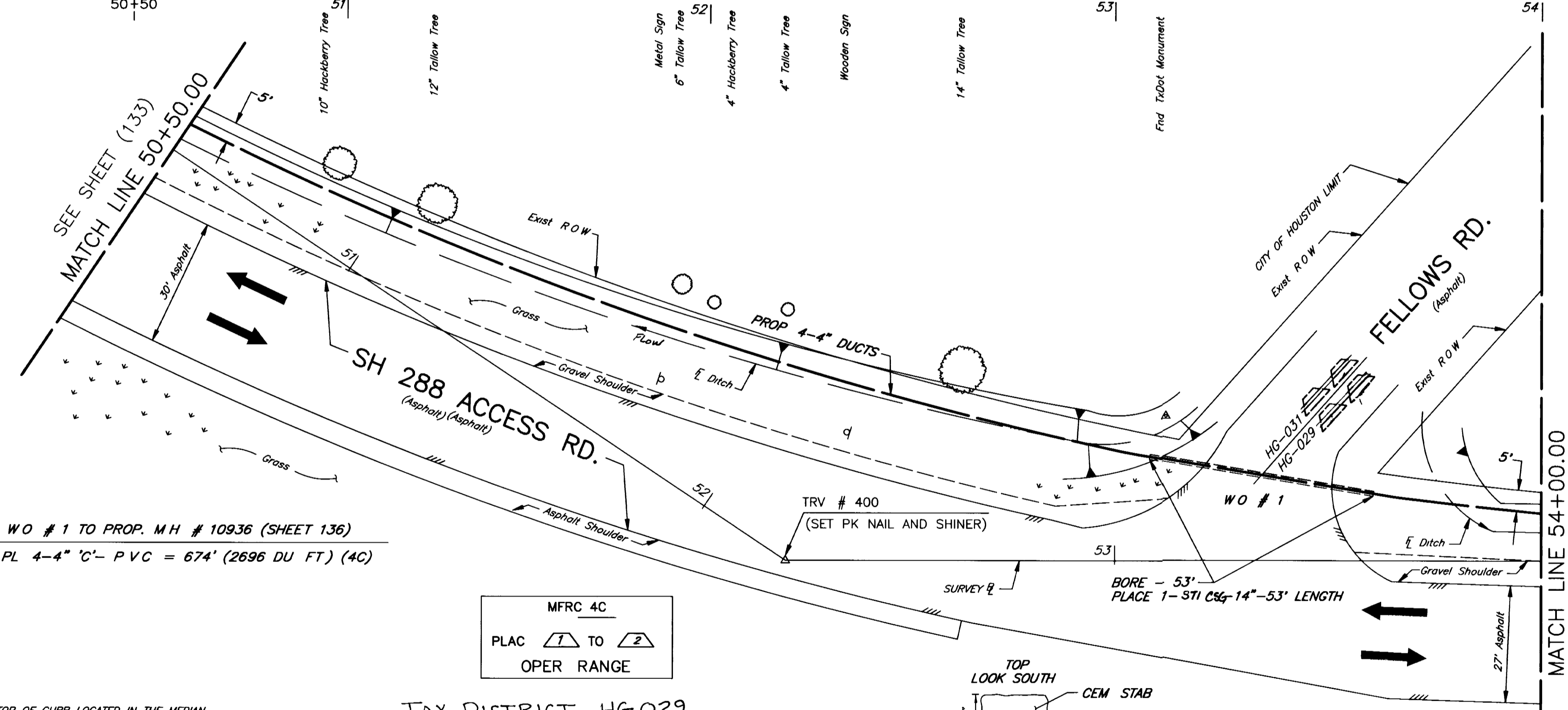
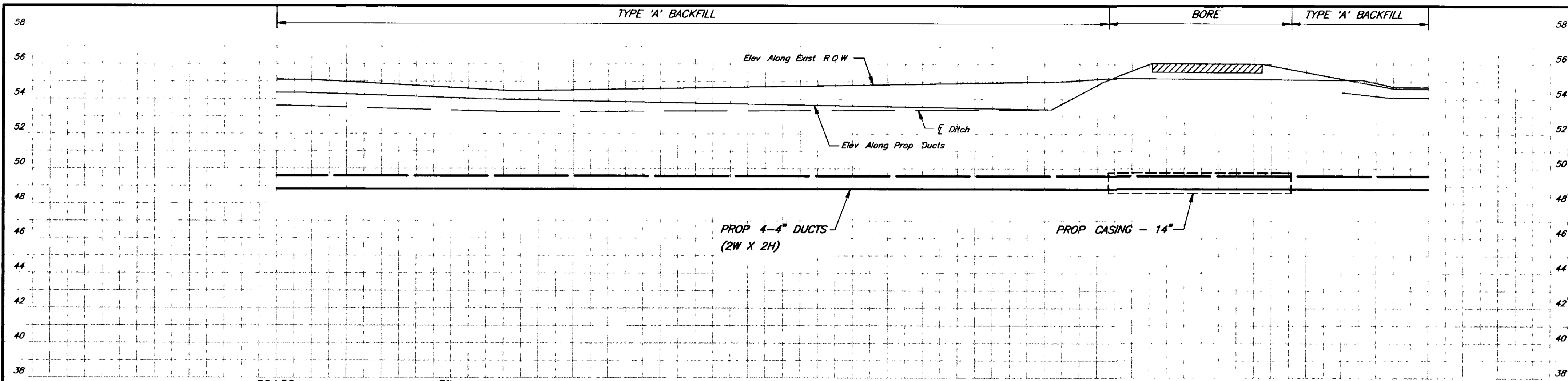
CP # 96-018



SH 288
HOUSTON, TEXAS

SCALE	PLAN 1"= 20'	PROFILE HORIZ 1"= 20'	PROFILE VERT 1"= 4'
PREPARED BY	CONDUIT DISTRICT		ISSUE DATE
APPROVALS	MANAGER ENG. (DESIGN)		12-4-96
JOB NO.	EST NO 0607386	DRAWN BY	SHEET 133
AREA NO WK-4433	C O. IDLEWOOD "433"	TAX DIST HG-031	





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 _____

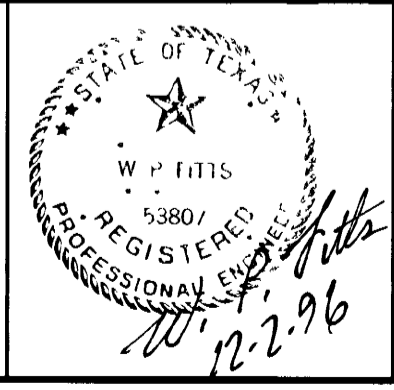
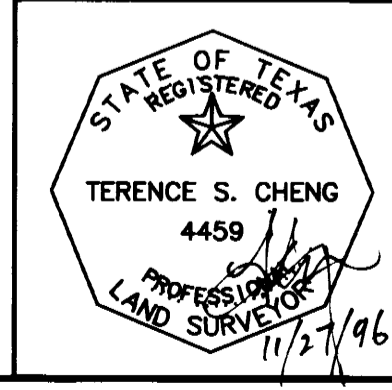
SUBMITTED	DESIGNED BY
SCALE	DRAWN BY
DATE	SHEETS OF
SURV BY	CITY DWG NO
F B NO	

CP # 96-018

Southwestern Bell Telephone

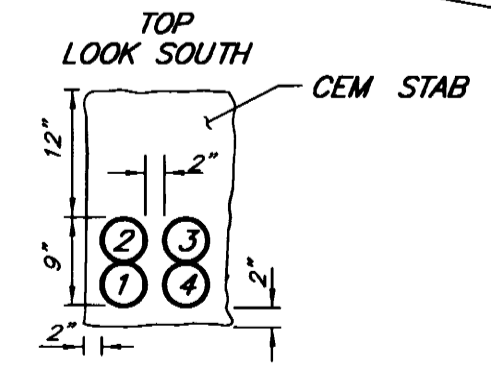
SH 288
HOUSTON AND HARRIS COUNTY, TEXAS

SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY	CONDUIT DISTRICT	APPROVALS	12-4-96
JOB NO.	EST NO 0607386	DRAWN BY	SHEET 134
AREA NO WK-4433	C O IDLEWOOD "433"	TAX DIST HG-029	H6-031



TAX DISTRICT HG-029

OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT MORT DATE
1	PLAC	TRENCH-4-MPC	4C	674'			
2	PLAC	PVC-C-4"	4C	2696'	71'		

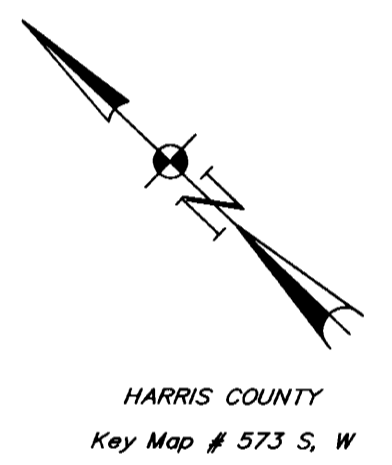
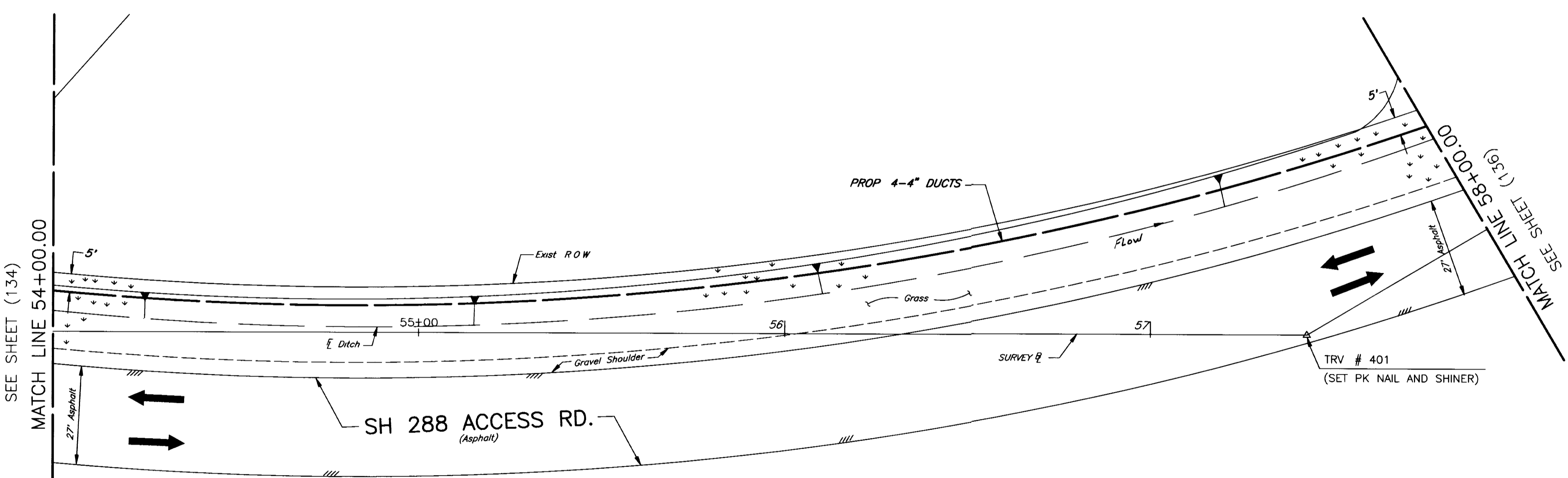
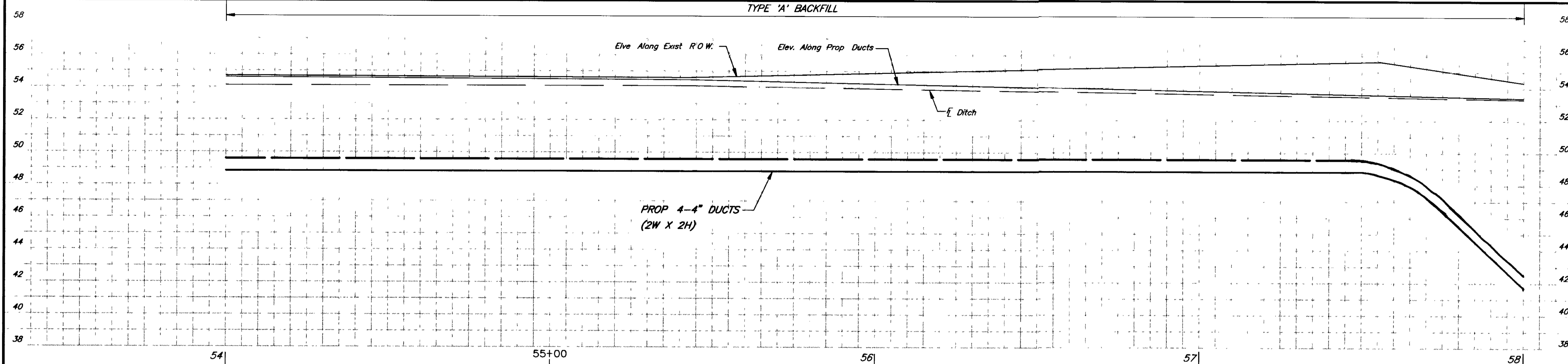


SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

TSC ENGINEERING COMPANY
Engineers
SURVEYORS
F B NO 313 C
FILE INFO C:\ACAD12\311581\SW581A14.dwg 1=20 10/24/96 13 26 ADZ

TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S H 288 AND THE WEST BOUND FRONTAGE ROAD OF B W B
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

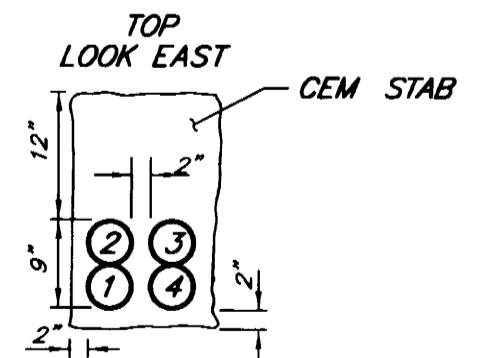
T B M #12
TOP OF A BOX CHISELED ON THE TOP OF AN 18-INCH RCP LOCATED ON THE NORTH SIDE OF A 26-FOOT WIDE DIRT DRIVEWAY ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S H 288, BEING +/- 400 FEET NORTH OF THE FREEDOM HOMES SIGN, AND BEING +/- 400 FEET SOUTHEAST OF THE ALMEDA GENOA ROAD EXIT 1/2-MILE SIGN
ESTABLISHED ELEV = 55.66 1978 ADJUSTMENT
B L STATION = 44+70 OFFSET = 17.6' LEFT



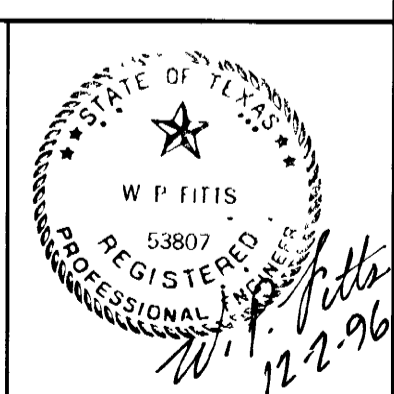
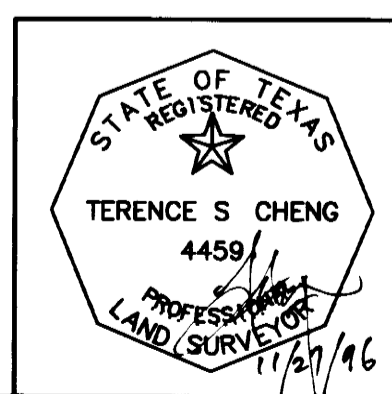
HARRIS COUNTY
Key Map # 573 S, W

SEE SHEET (134)
MATCH LINE 54+00.00

MATCH LINE 58+00.00
SEE SHEET (136)



SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL
BACKFILL AND ENCASEMENT SPECIFICATIONS)



CP # 96-018

Southwestern Bell Telephone

SH 288

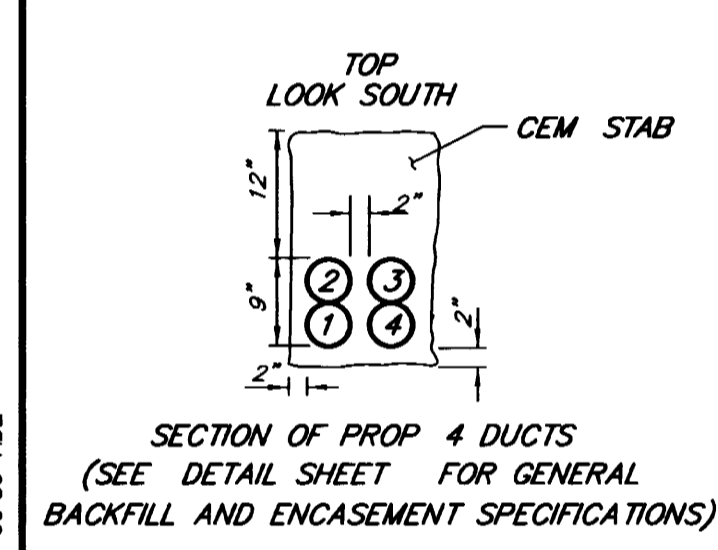
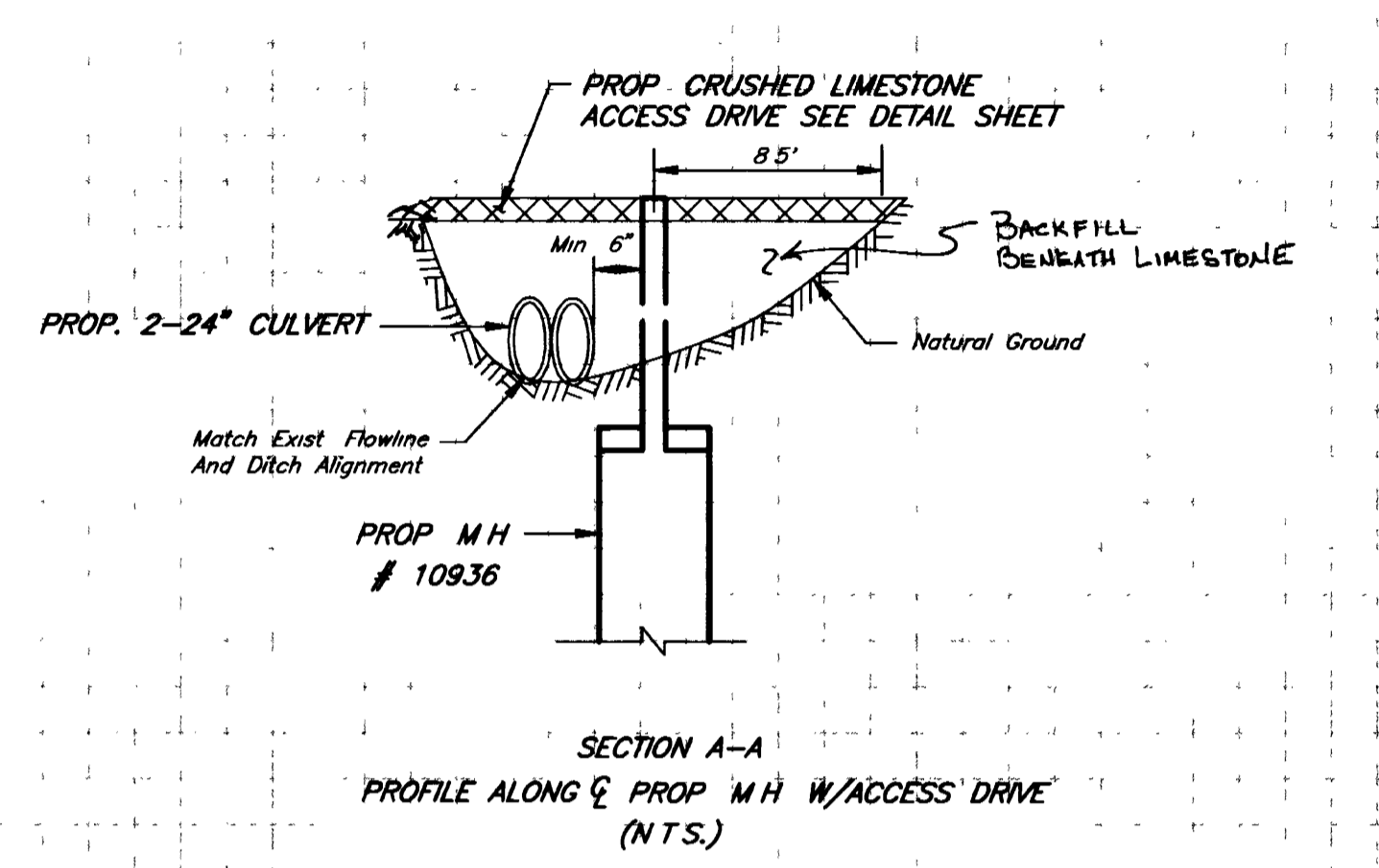
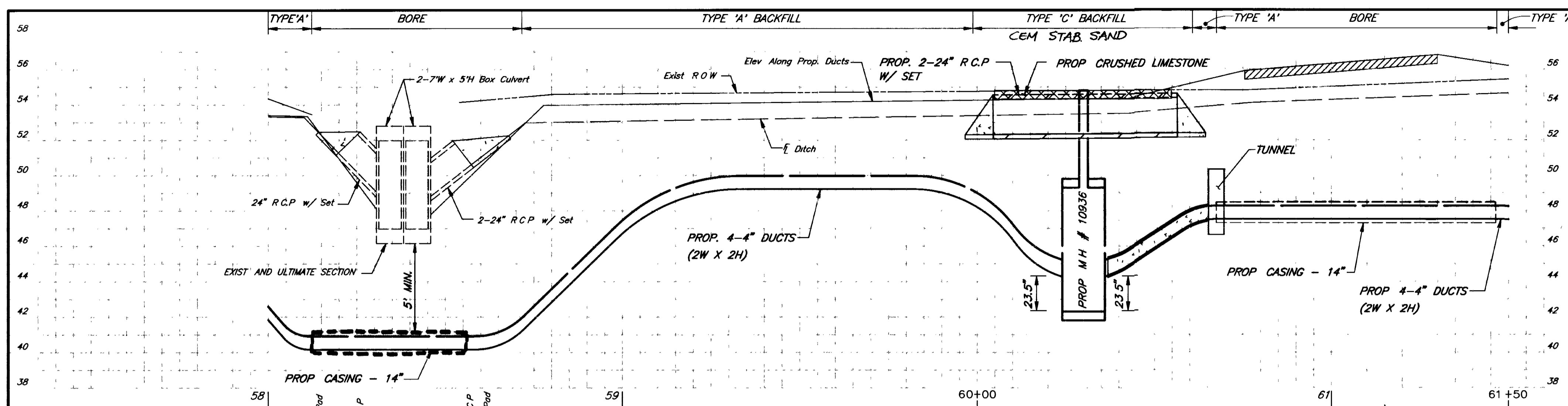
HARRIS COUNTY, TEXAS

SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. Pitts SEAL-ENG. (DESIGN)		12-4-96
APPROVED BY MANAGER ENG. (DESIGN)	John E. Eitzen AREA MGR. ENG. (DESIGN)		
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 135
AREA NO. WK-4433	C O IDLEWOOD "433"	TAX DIST	HG-029

FB NO. 313 C
FILE INFO C:\581\SH581A15.dwg 1=20 11/21/96 14:07 R/P

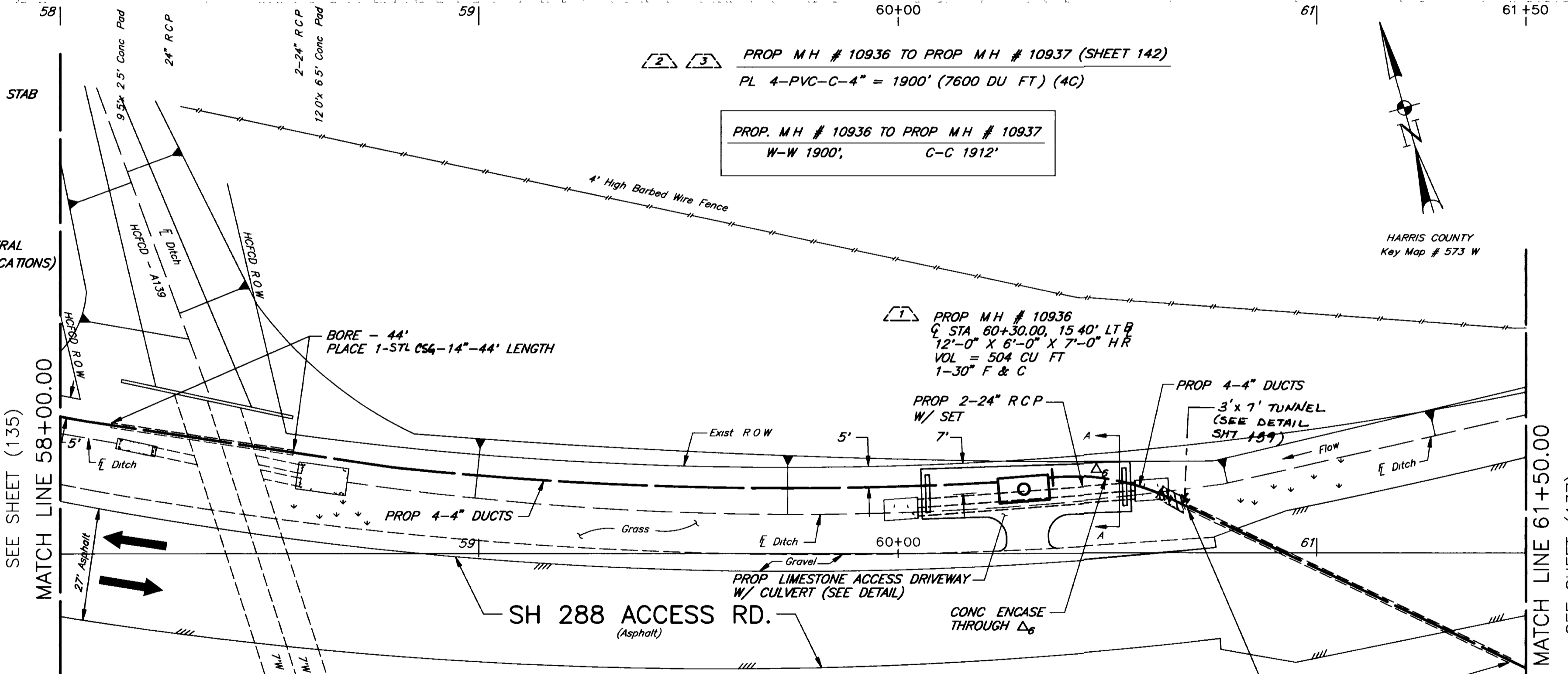
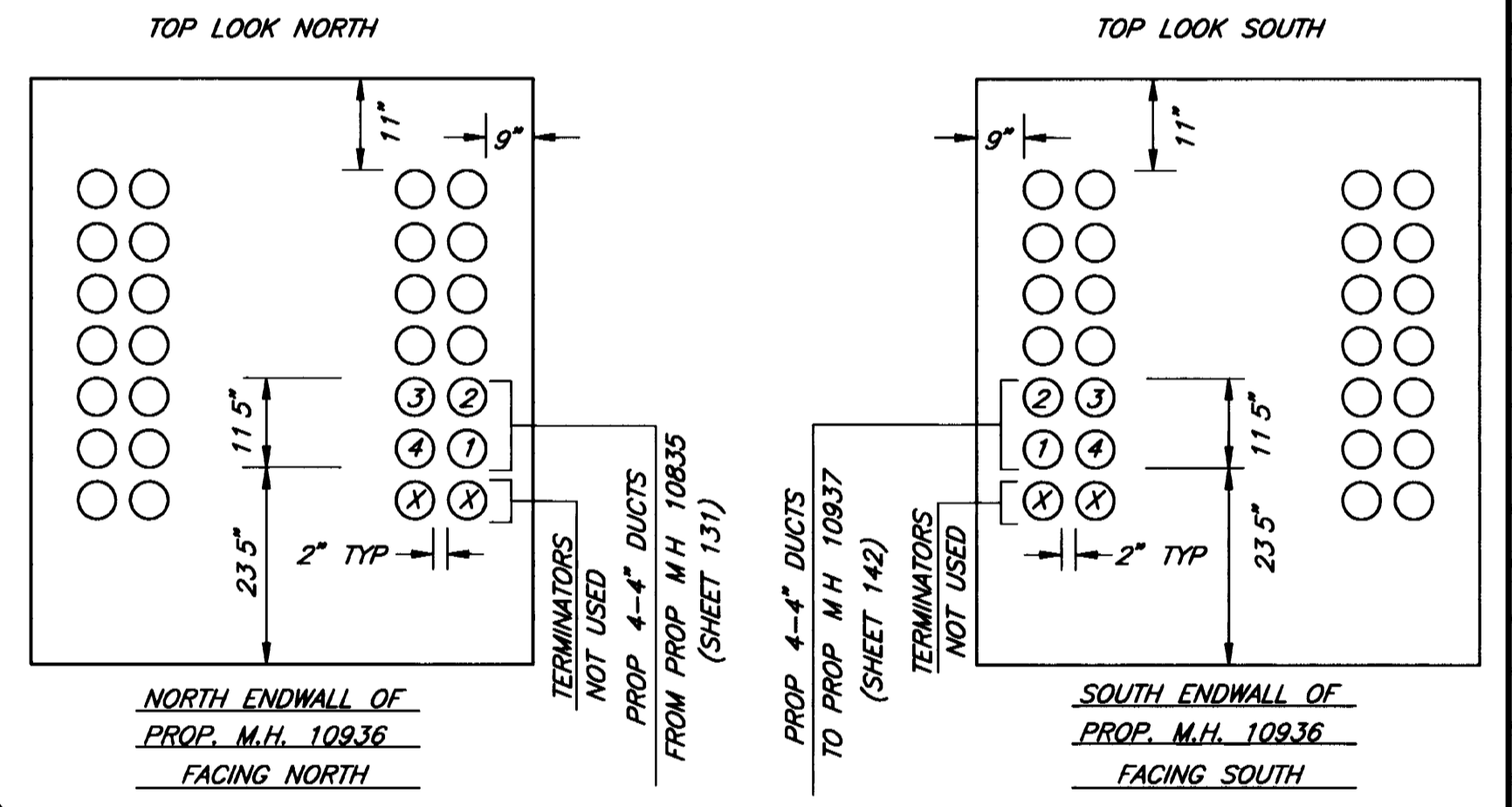
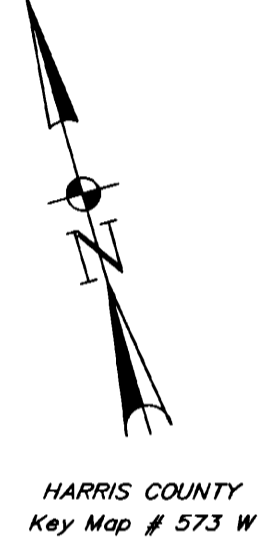
TSC ENGINEERING COMPANY
Engineers Surveyors

TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF BW 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
T.B.M. #12
TOP OF A BOX CHISELED ON THE TOP OF AN 18-INCH RCP LOCATED ON THE NORTH SIDE OF A 26-FOOT WIDE DIRT DRIVEWAY ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/-400 FEET NORTH OF THE FREEDOM HOMES SIGN, AND BEING +/-400 FEET SOUTHEAST OF THE ALMEDA GENOA ROAD EXIT 1/2-MILE SIGN
ESTABLISHED ELEV = 55.66 1978 ADJUSTMENT
B.L. STATION = 44+70 OFFSET = 17'6" LEFT



PROP M.H. # 10936 TO PROP M.H. # 10937 (SHEET 142)
 PL 4-PVC-C-4" = 1900' (7600 DU FT) (4C)

PROP. M.H. # 10936 TO PROP. M.H. # 10937
 W-W 1900', C-C 1912'

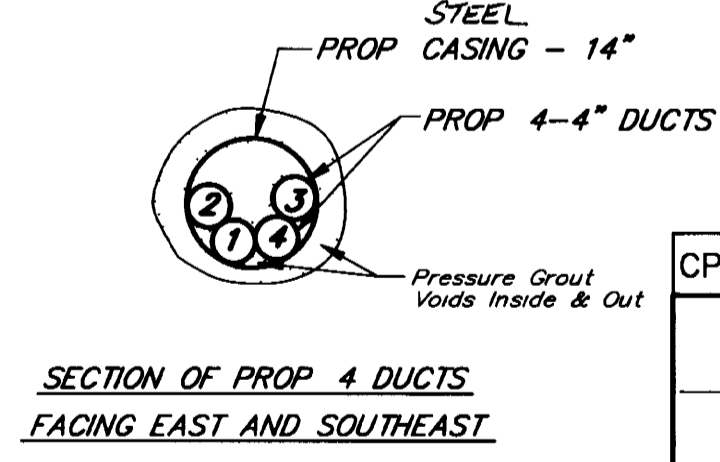


PROP M.H. # 10936
 STA 60+30.00, 15 40' LT R
 12'-0" X 6'-0" X 7'-0" HR
 VOL = 504 CU FT
 1-30' F & C

CURVE DATA
 $\Delta_g = 30^\circ 02' 16''$
 $R_g = 55 00'$
 $L_g = 28 83'$
 $T_g = 14 76'$

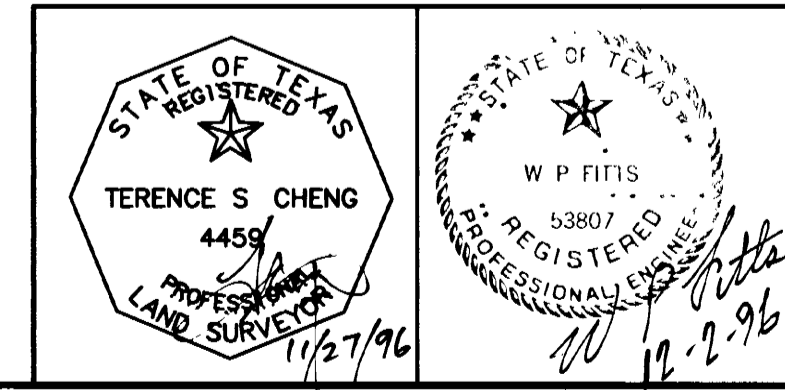
OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT MORT DATE
1	PLAC	MANHOLE	4C		1		
2	PLAC	TRENCH-4-MPC	4C	1900'			
3	PLAC	PVC-C-4"	4C	7600'	312'		

SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



TxDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W B
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

T.B.M. #11
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE WEST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #S-288-G5 (+/-100 FEET HIGH) LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF SH 288 AND B W B, BEING +/-200 FEET NORTH OF THE CENTERLINE OF B W B, AND BEING +/-200 FEET EAST OF SH 288
 ESTABLISHED ELEV = 57.54 1978 ADJUSTMENT
 B.L. STATION = 58+11 OFFSET = 5.4' RIGHT



CP # 96-018

Southwestern Bell Telephone

SH 288 @ BELTWAY 8
HARRIS COUNTY, TEXAS

SCALE PLAN 1"=20 PROFILE HORZ 1"=20 PROFILE VERT 1"=4

PREPARED BY *W.P. Fitts* CONDUIT DISTRICT
 ISSUE DATE 12-4-96

APPROVAL *John Eubank* MANAGER ENG. DESIGN
John Eubank AREA MGR. ENG. DESIGN

JOB NO. EST NO. 0607386 DRAWN BY SHEET NO. 136
 AREA NO. WK-4433 CO IDLEWOOD *433* TAX DIST. HG-029

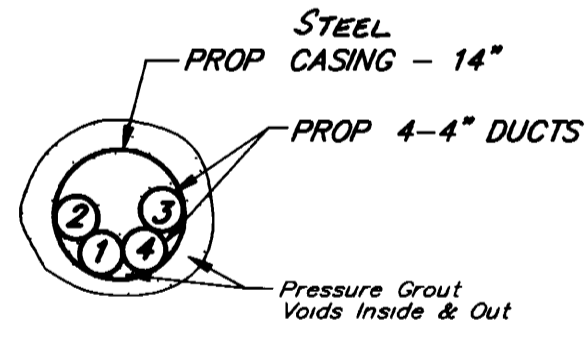
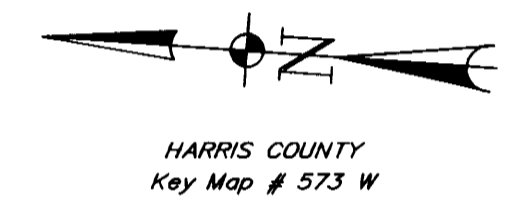
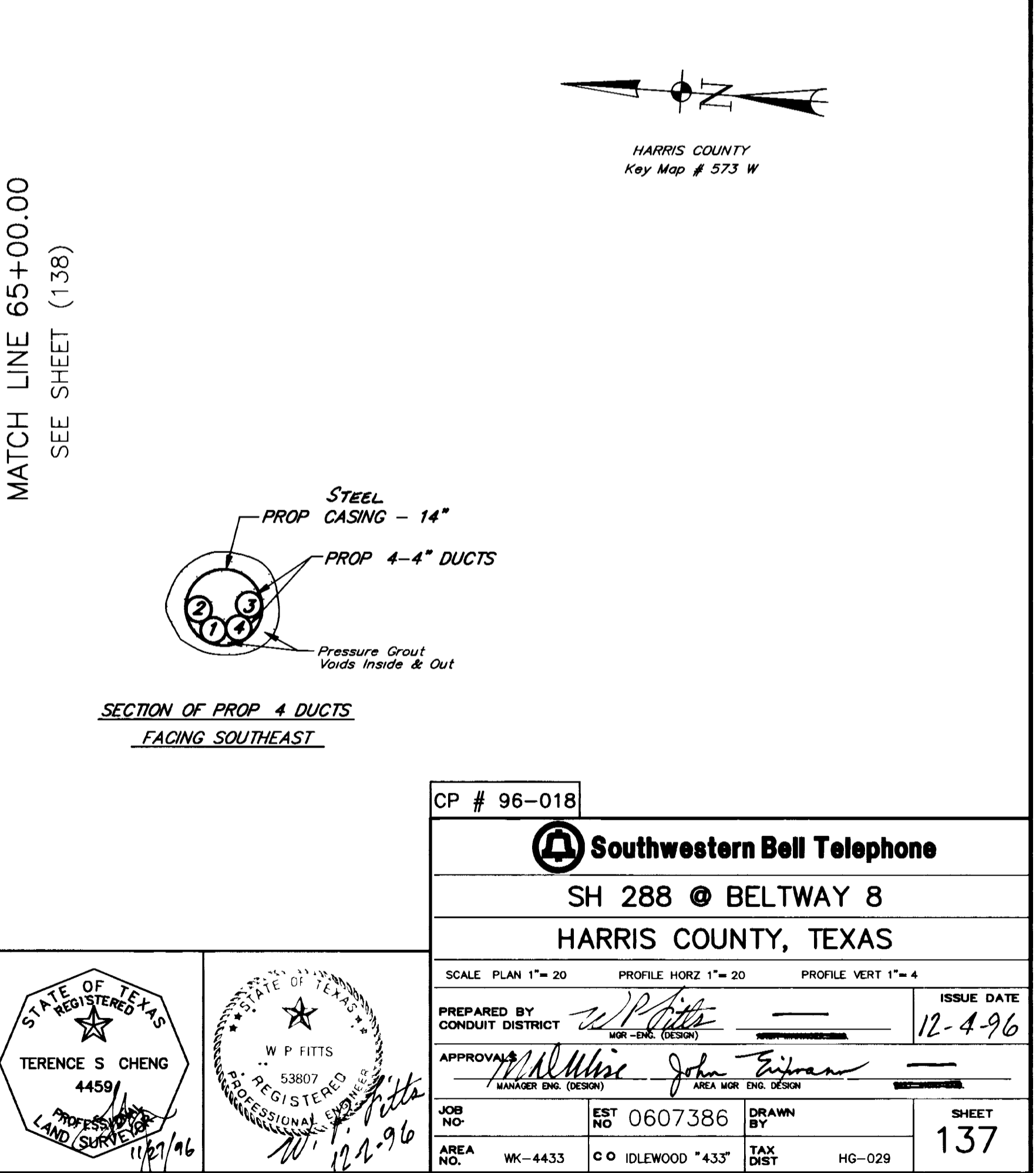
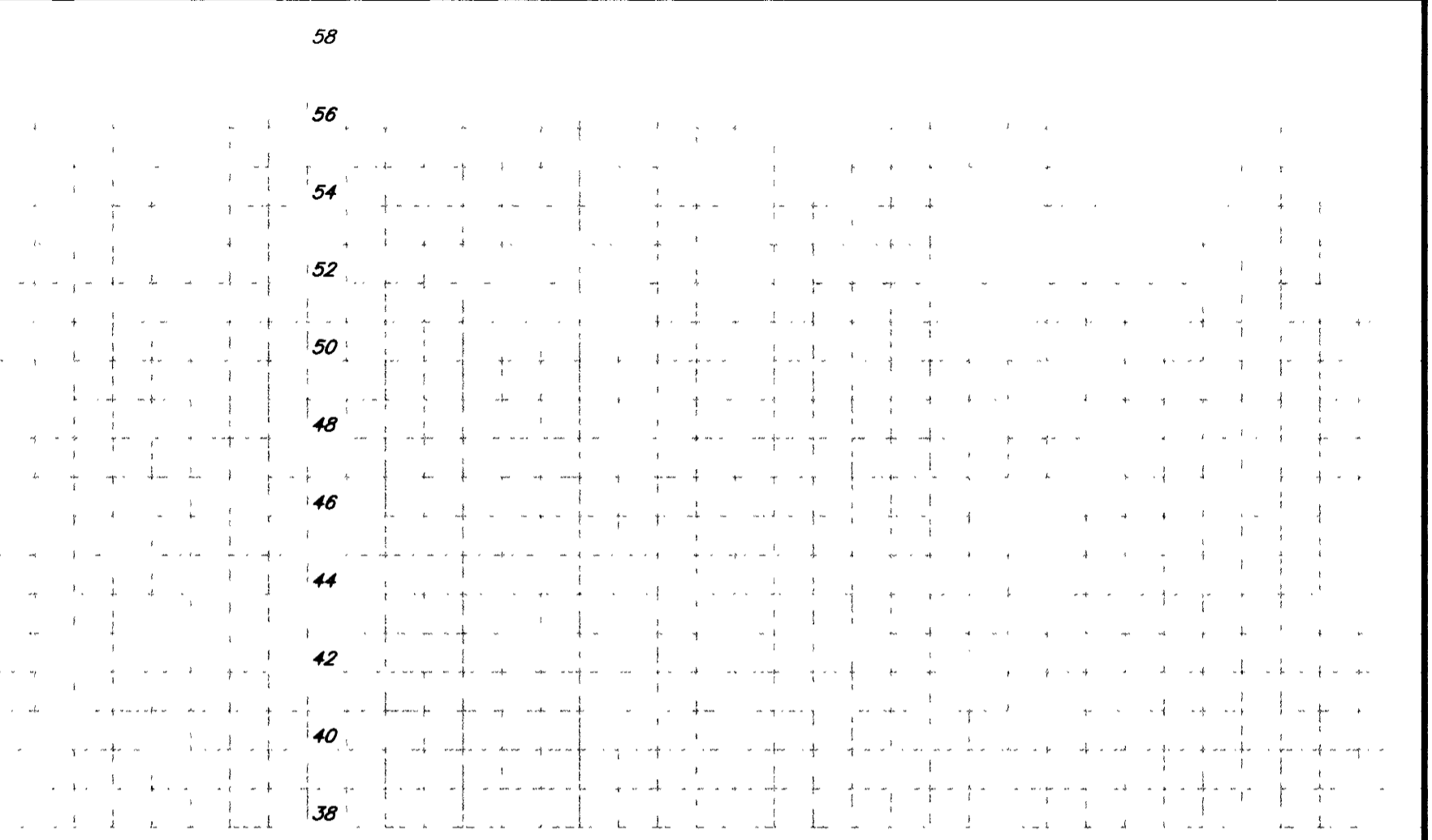
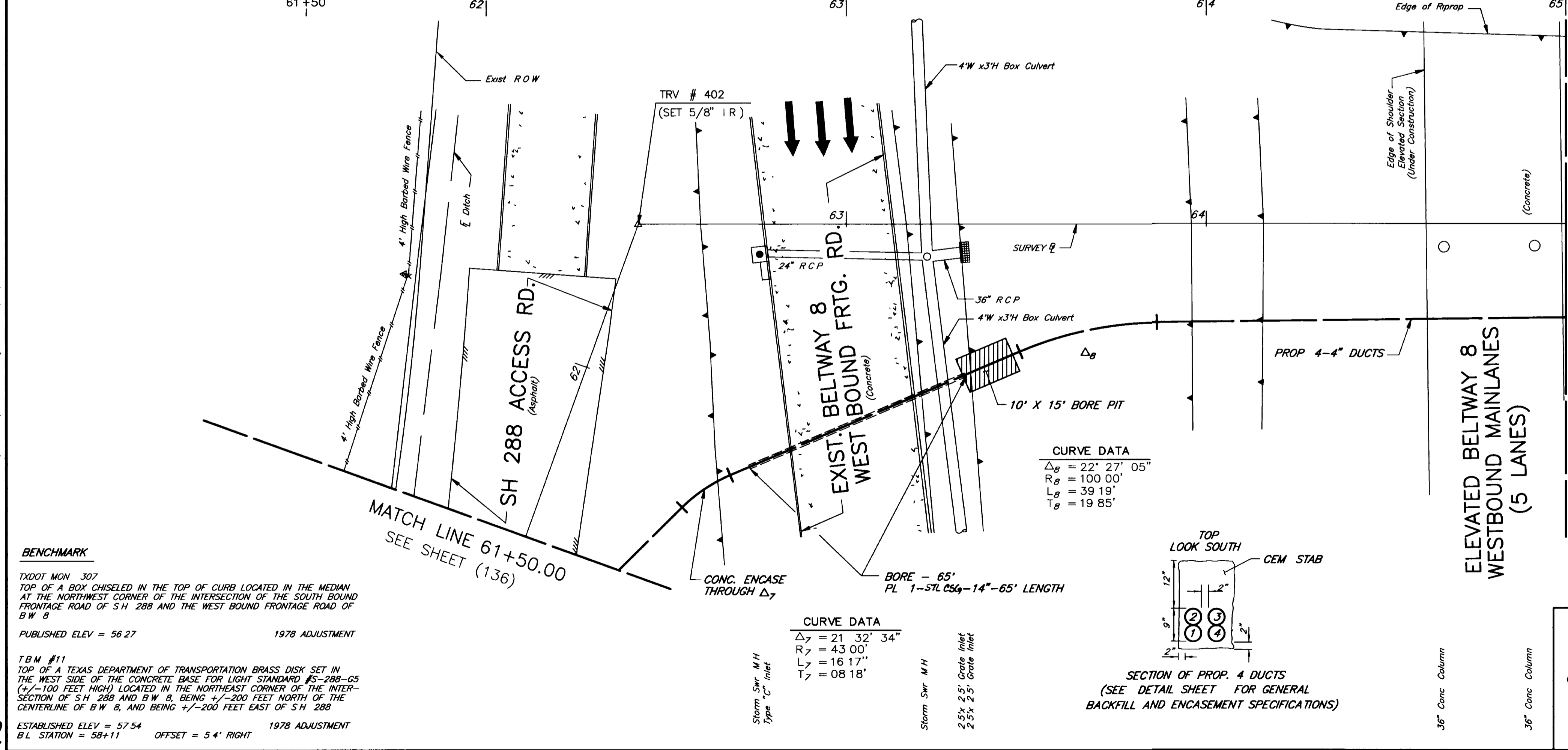
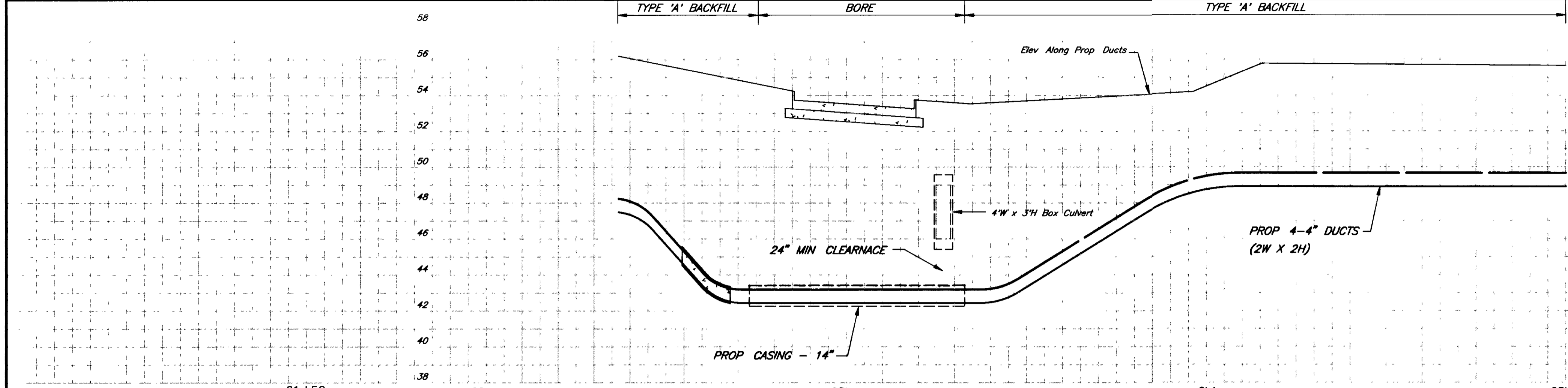
TSC ENGINEERING COMPANY
 FB NO 313 C
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 Engineers Surveyors

22

E3-12

FB NO 313 C
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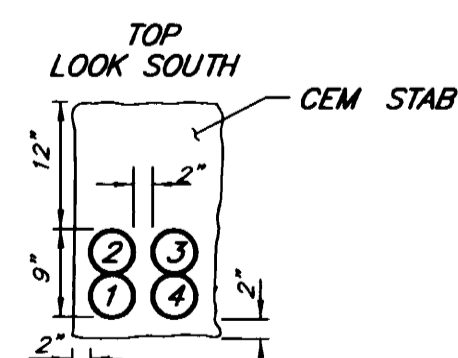
TISC ENGINEERING COMPANY
 Engineers Surveyors



SECTION OF PROP 4 DUCTS
 FACING SOUTHEAST

CURVE DATA

Δ_g	= 22° 27' 05"
R_g	= 100.00'
L_g	= 39.19'
T_g	= 19.85'



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

CURVE DATA

Δ_7	= 21° 32' 34"
R_7	= 43.00'
L_7	= 16.17"
T_7	= 08.18'

Storm Swr. M.H.
 Type 'C' Inlet

Storm Swr. M.H.
 2.5' x 2.5' Gate Inlet
 2.5' x 2.5' Gate Inlet

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
TBM #11
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE WEST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #S-288-65 (4 1/2-100 FEET HIGH) LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF S.H. 288 AND B.W. 8, BEING +/- 200 FEET NORTH OF THE CENTERLINE OF B.W. 8, AND BEING +/- 200 FEET EAST OF S.H. 288
 ESTABLISHED ELEV = 57.54 1978 ADJUSTMENT
 B.L. STATION = 58+11 OFFSET = 5.4' RIGHT

MATCH LINE 61+50.00
 SEE SHEET (136)

MATCH LINE 65+00.00
 SEE SHEET (138)

CP # 96-018

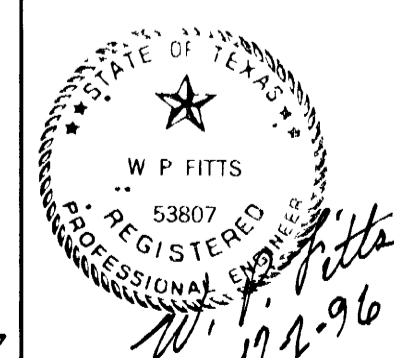
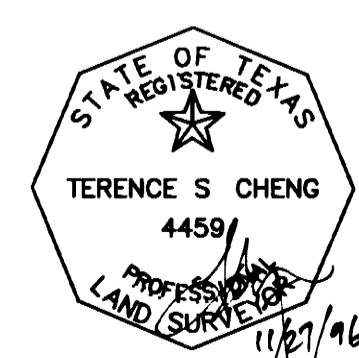
Southwestern Bell Telephone

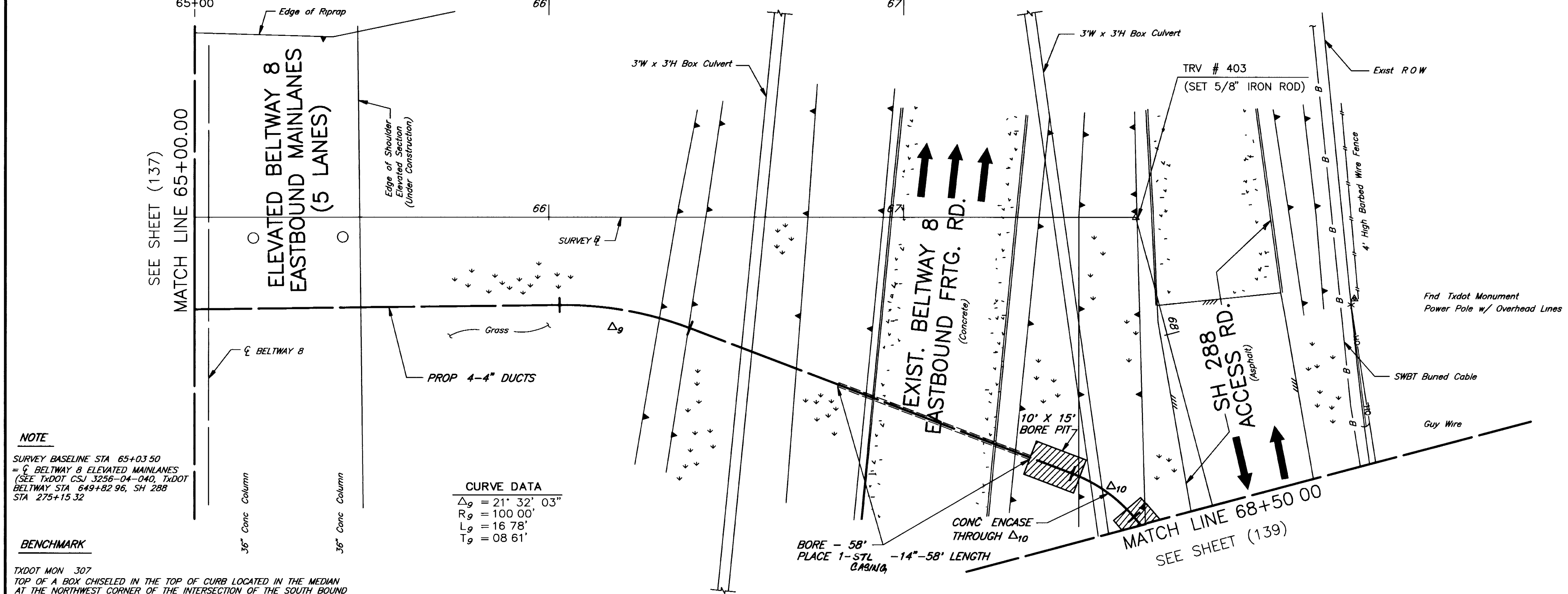
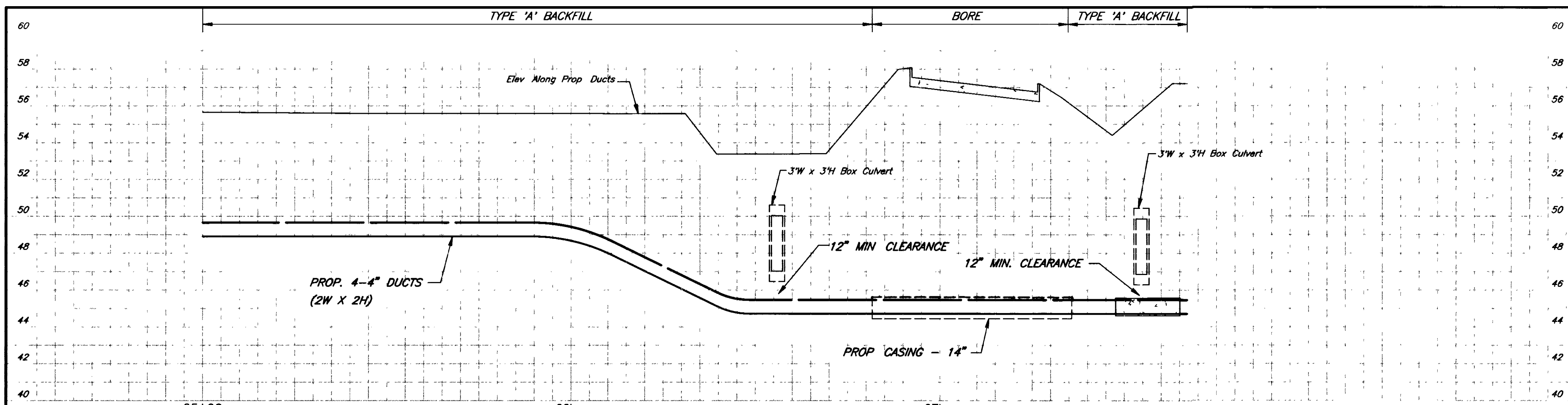
SH 288 @ BELTWAY 8
 HARRIS COUNTY, TEXAS

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

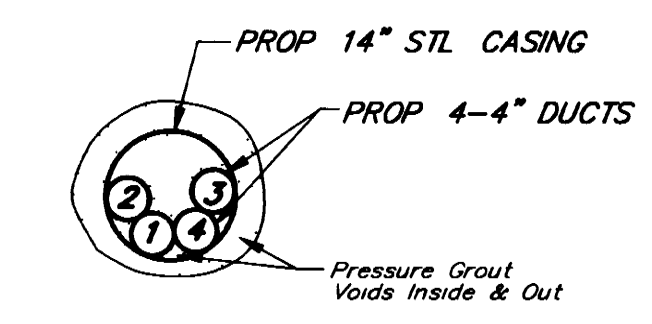
PREPARED BY *W.P. Pitts* MOR-ENG. (DESIGN) 12-4-96
 APPROVAL *John E. Evans* AREA MOR. ENG. DESIGN

JOB NO. EST NO 0607386 DRAWN BY
 AREA NO. WK-4433 CO IDLEWOOD *433 TAX DIST HG-029 SHEET 137

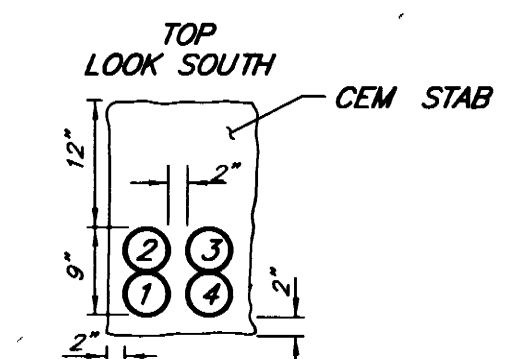




HARRIS COUNTY
Key Map # 573 W



SECTION OF PROP 4 DUCTS
FACING SOUTH
FACING SOUTHWEST



SECTION OF PROP 4 DUCTS
TOP LOOK SOUTH
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

NOTE
THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE. CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING

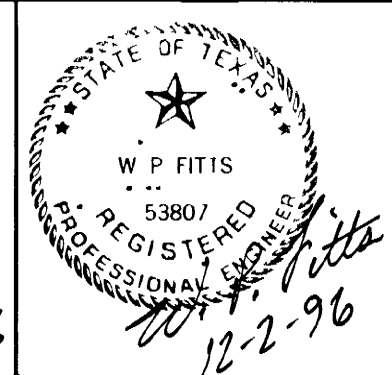
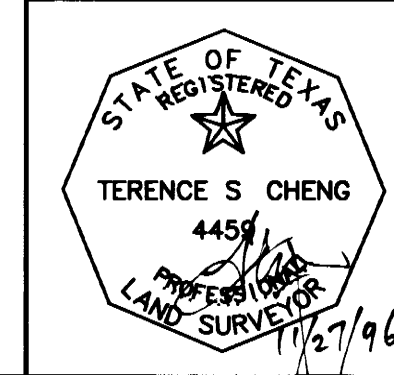
NOTE
SURVEY BASELINE STA 65+03.50
= Δ BELTWAY 8 ELEVATED MAINLANES
(SEE TXDOT CSJ 3256-04-040, TXDOT BELTWAY STA 649+82.96, SH 288 STA 275+15.32)

BENCHMARK
TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

T.B.M #11
TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE WEST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #5-288-05 (+/- 100 FEET HIGH) LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF SH 288 AND B W 8, BEING +/- 200 FEET NORTH OF THE CENTERLINE OF B W 8, AND BEING +/- 200 FEET EAST OF SH 288
ESTABLISHED ELEV = 57.54 1978 ADJUSTMENT
B/L STATION = 58+11 OFFSET = 5.4' RIGHT

CURVE DATA
 $\Delta_9 = 21^\circ 32' 03''$
 $R_9 = 100.00'$
 $L_9 = 16.78'$
 $T_9 = 08.61'$

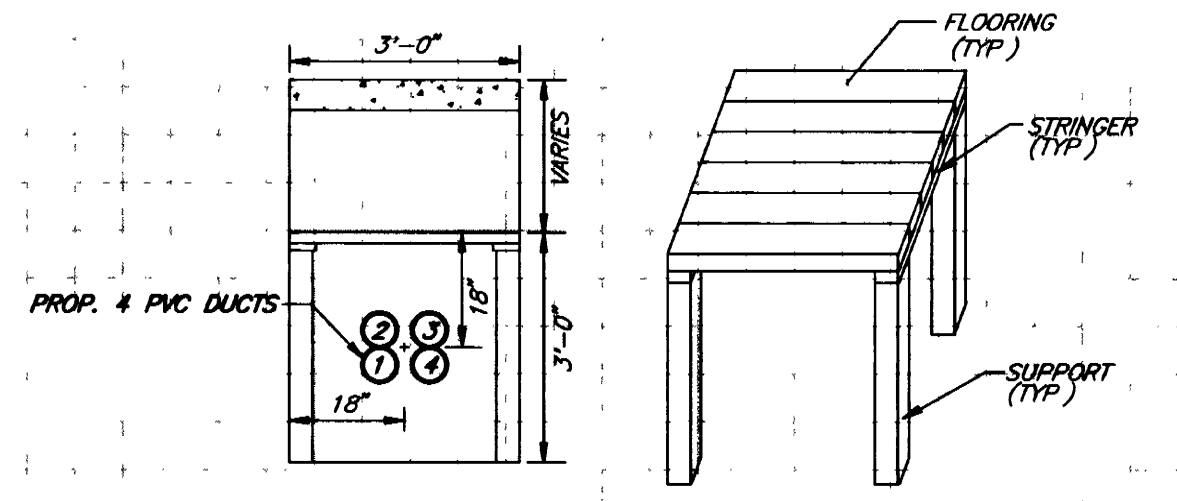
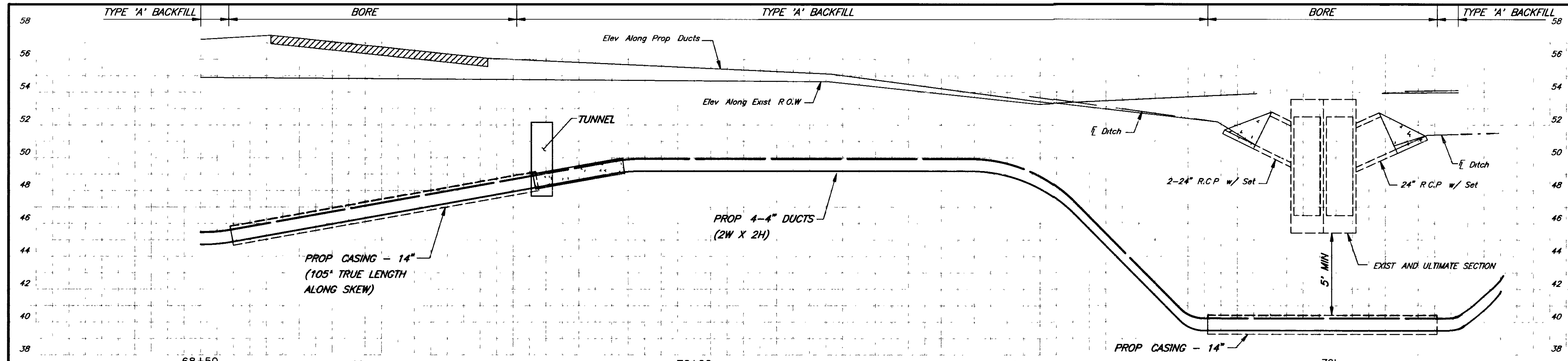
CURVE DATA
 $\Delta_{10} = 28^\circ 42' 42''$
 $R_{10} = 43.00'$
 $L_{10} = 21.55'$
 $T_{10} = 11.00'$



CP # 96-018			
Southwestern Bell Telephone			
SH @ BELTWAY 8 HARRIS COUNTY, TEXAS			
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. Fitts MGR-ENG (DESIGN)		12-4-96
APPROVED BY MANAGER ENG. (DESIGN)	J. E. Evans AREA MGR. ENG. DESIGN		
JOB NO.	EST NO 0607386	DRAWN BY	SHEET
AREA NO. WK-4433	C O IDLEWOOD "433"	TAX DIST HG-029	138

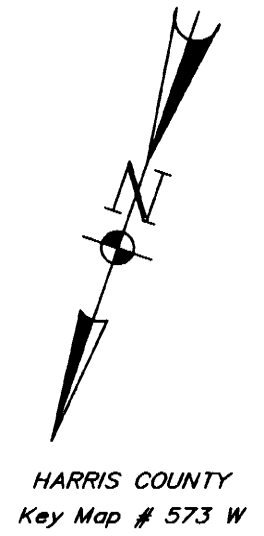
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TSC ENGINEERING COMPANY
 Engineers - Surveyors

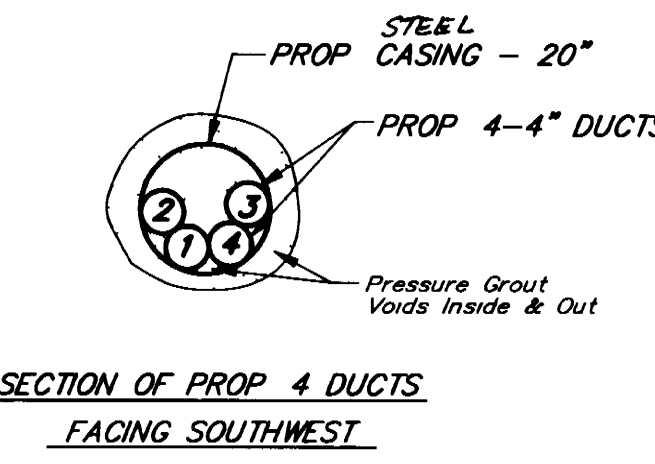
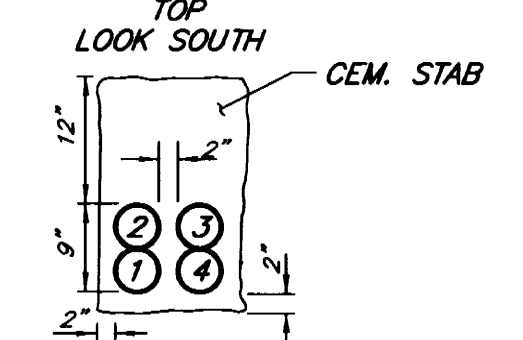
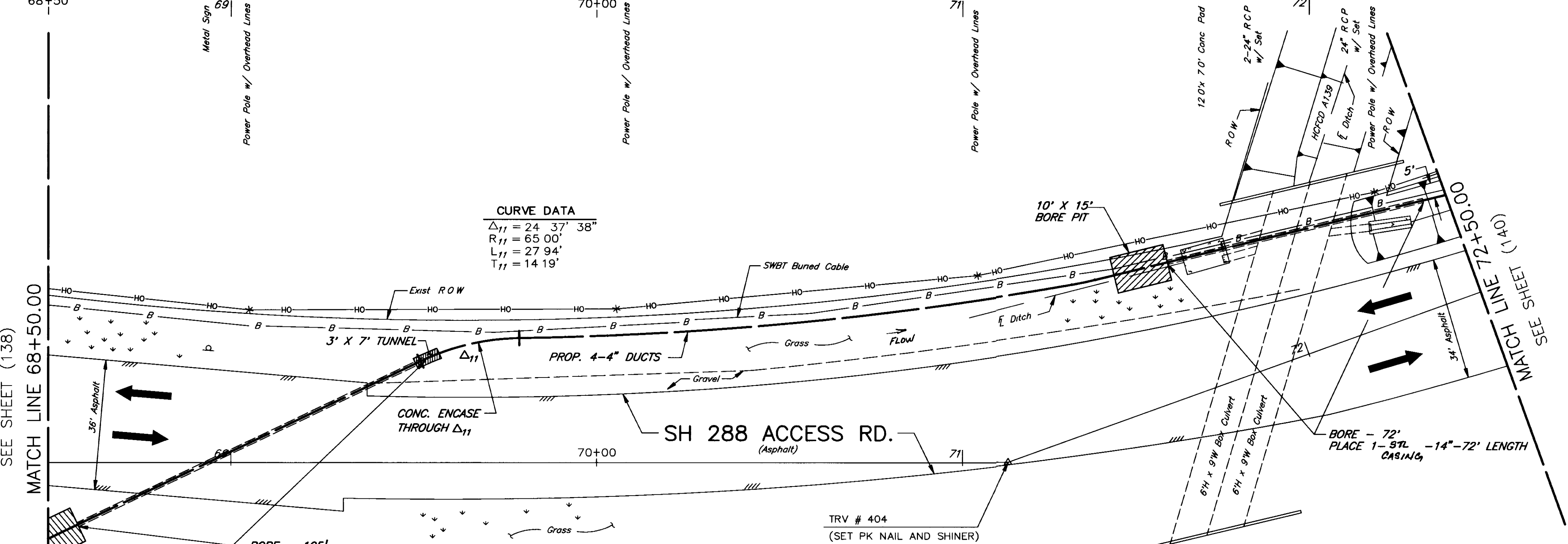


TYPICAL SECTION OF BOX TUNNEL FACING SW

NOTE:
 1 TIMBER SHALL CONFORM TO ITEM 491, GROUP(1), TxDOT STANDARD SPECIFICATIONS, 1993
 2 STRINGERS, FLOORING & SUPPORTS SHALL BE NOMINALLY 4" X 4"
 3 TUNNEL SHALL BE PRESSURE-GROUTED OR MUD-JACKED UPON COMPLETION OF WORK.



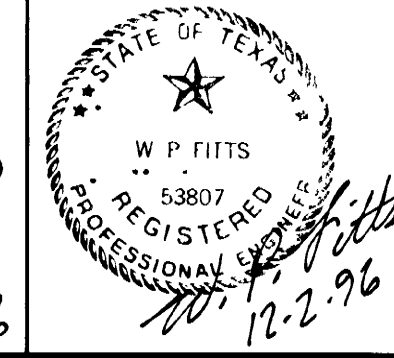
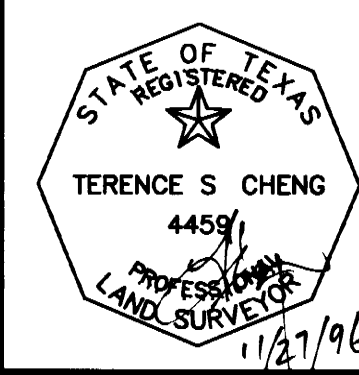
CURVE DATA
 $\Delta_{11} = 24\ 37\ 38''$
 $R_{11} = 65\ 00'$
 $L_{11} = 27\ 94'$
 $T_{11} = 14\ 19'$

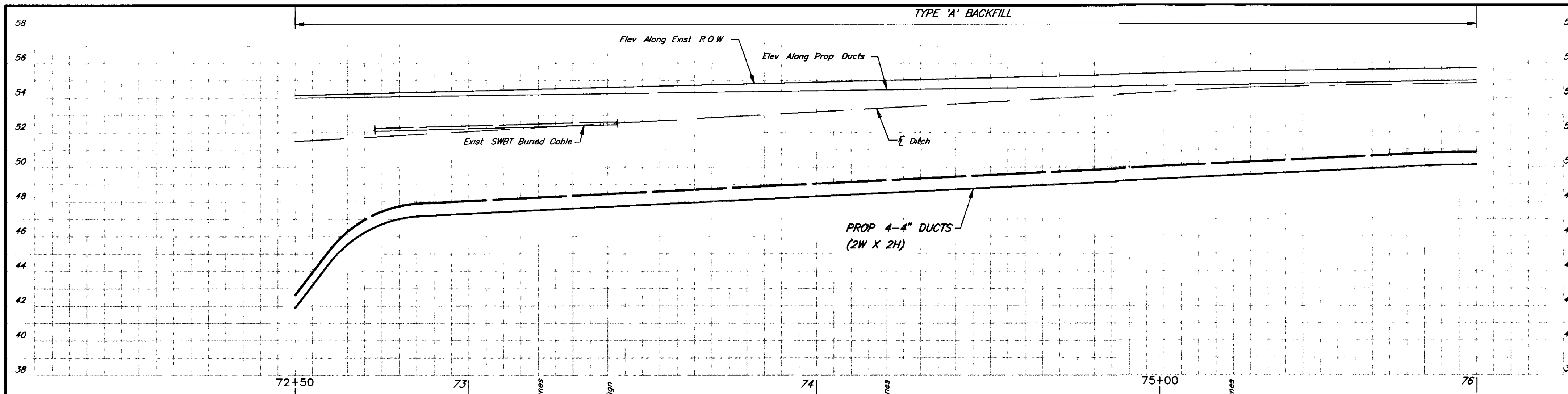


NOTE
 THE LOCATION OF EXIST. SWBT BURIED CABLE IS APPROXIMATE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING.

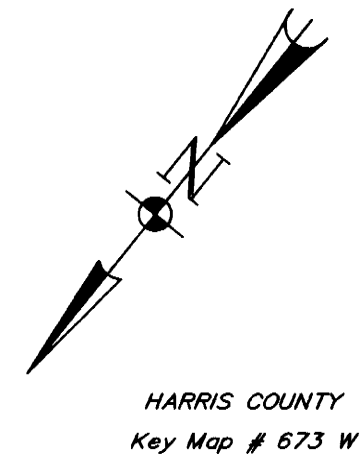
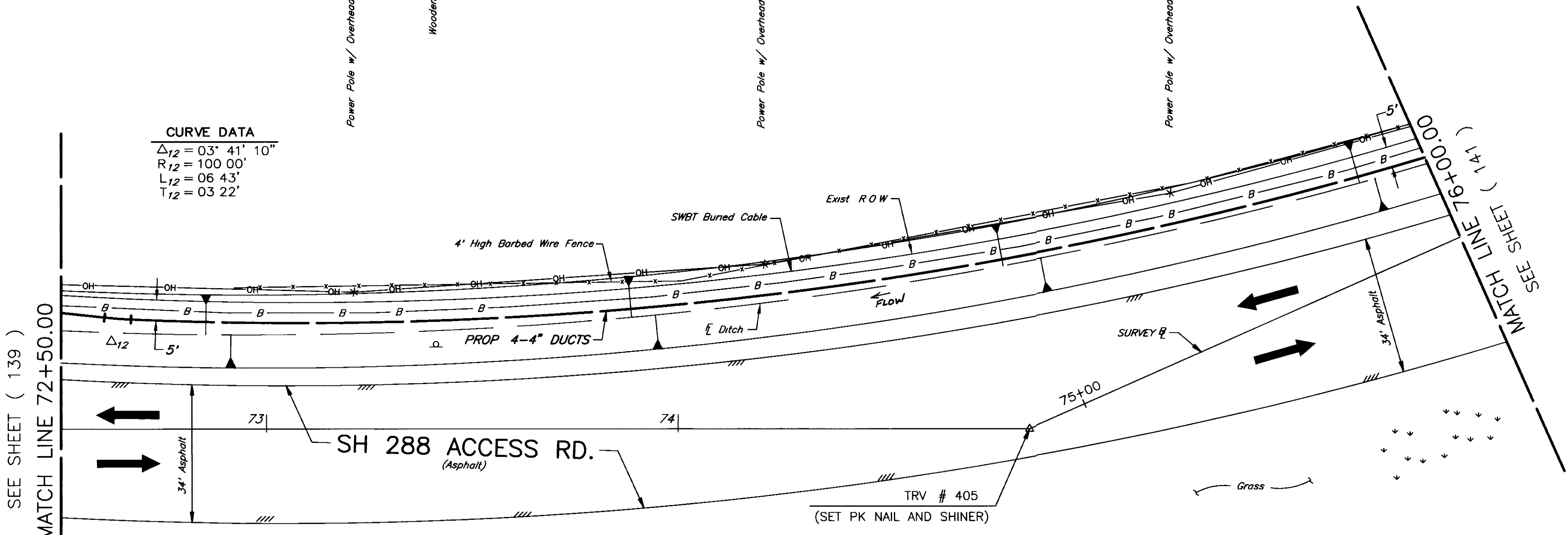
BENCHMARK
 TxDOT MON. 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 TBM #10
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #S-288-G3 (4 1/2-100 FEET HIGH) LOCATED ON THE EAST SIDE OF SH 288, BEING +/- 300 FEET NORTHWEST OF A NATIONWIDE MOBILE HOME BILLBOARD, AND BEING +/- 800 FEET SOUTH OF B W 8
 ESTABLISHED ELEV = 57.97 1978 ADJUSTMENT
 B.L. STATION = 71+13 OFFSET = 30.1' RIGHT

CP # 96-018	
Southwestern Bell Telephone	
SH 288 @ BELTWAY 8	
HARRIS COUNTY, TEXAS	
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20
PROFILE VERT 1"=4	ISSUE DATE 12-4-96
PREPARED BY CONDUIT DISTRICT <i>W.P. Pitts</i>	MANAGER ENG. (DESIGN)
APPROVED BY <i>John Eitman</i>	AREA MGR. ENG. DESIGN
JOB NO. WK-4433	EST NO. 0607386
AREA NO. C.O. IDLEWOOD *433	DRAWN BY TAX DIST. HG-029
SHEET 139	

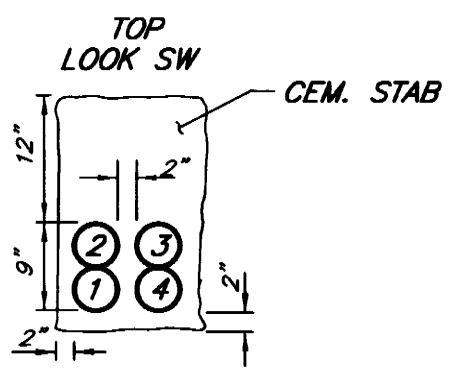




CURVE DATA
 $\Delta_{12} = 03^{\circ} 41' 10''$
 $R_{12} = 100.00'$
 $L_{12} = 06 43'$
 $T_{12} = 03 22'$

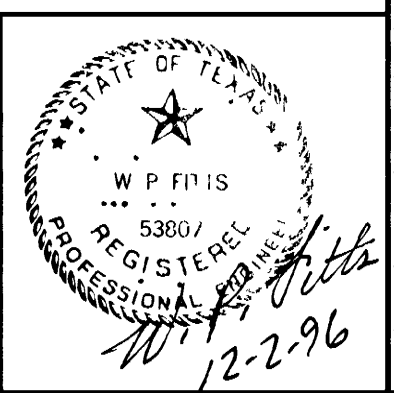
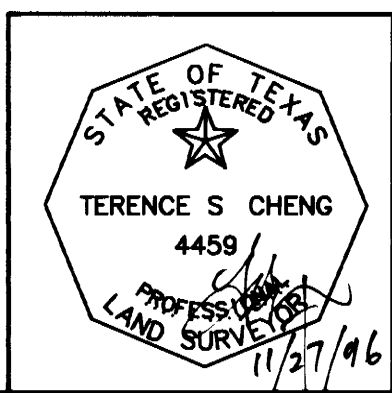


NOTE
 THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE. CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING.



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

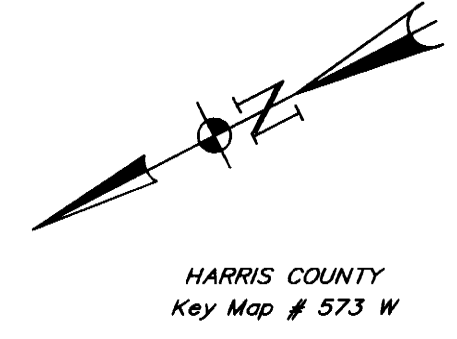
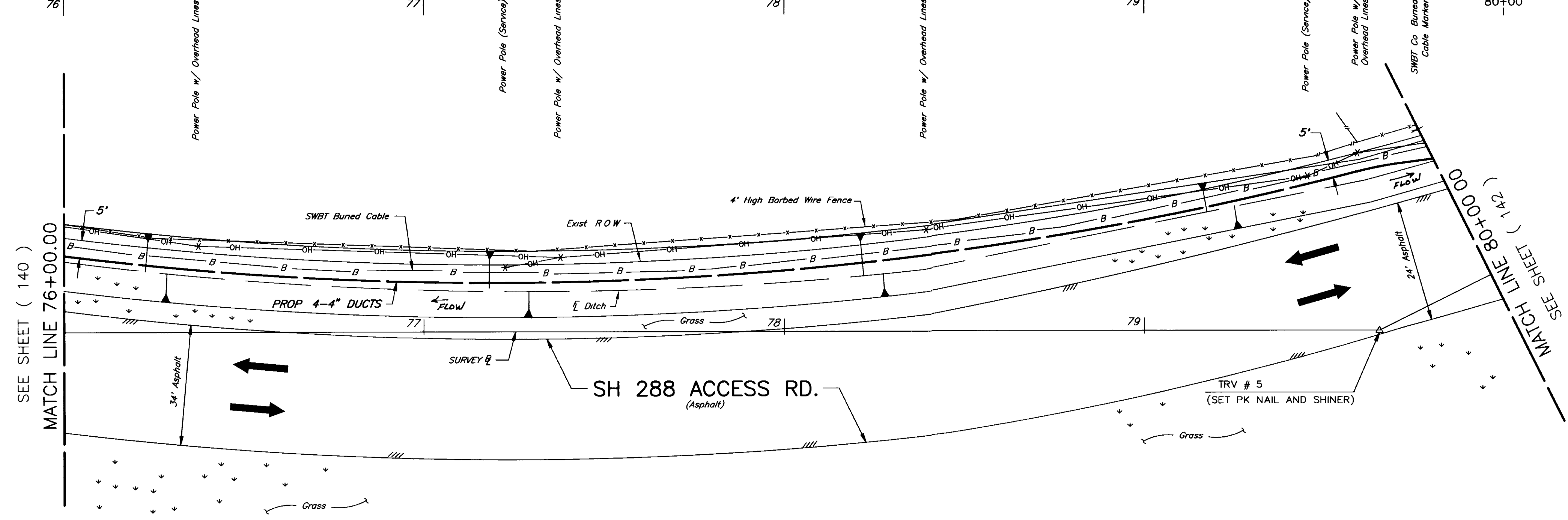
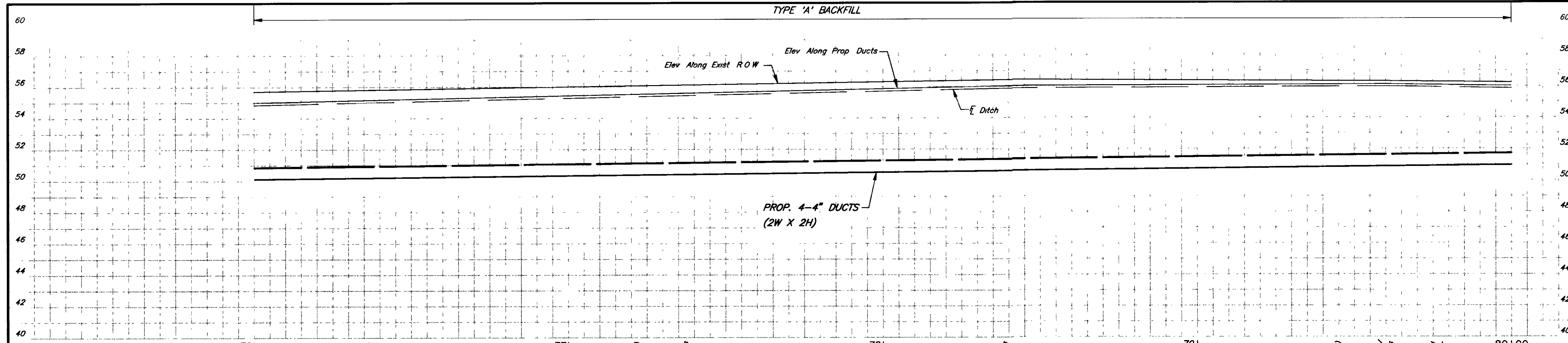
BENCHMARK
 TxDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56 27 1978 ADJUSTMENT
 TBM #10
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #S-288-G3 (4'-100 FEET HIGH) LOCATED ON THE EAST SIDE OF S.H. 288, BEING +/- 300 FEET NORTHWEST OF A NATIONWIDE MOBILE HOME BILLBOARD, AND BEING +/- 800 FEET SOUTH OF B.W. 8
 ESTABLISHED ELEV = 57 97 1978 ADJUSTMENT
 B.L. STATION = 71+13 OFFSET = 30 1' RIGHT



CP # 96-018			
Southwestern Bell Telephone			
SH 288			
HARRIS COUNTY, TEXAS			
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. Pitts MGR-ENGR (DESIGN)		12-4-96
APPROVALS			
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 140
AREA NO. WK-4433	C O IDLEWOOD "433"	TAX DIST HG-029	

FB NO 313 C
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TSC ENGINEERING COMPANY
 Engineers Surveyors



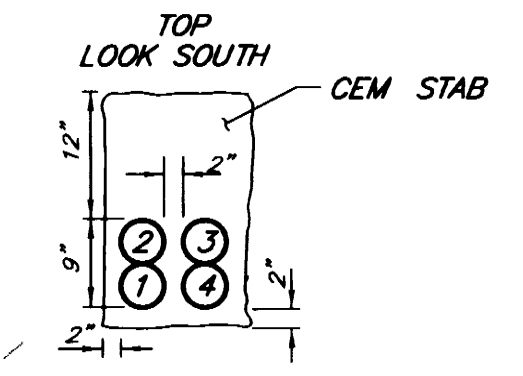
NOTE
THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE. CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING.

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TSC ENGINEERING COMPANY
 Engineers Surveyors

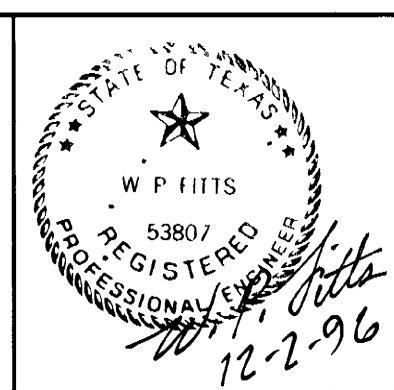
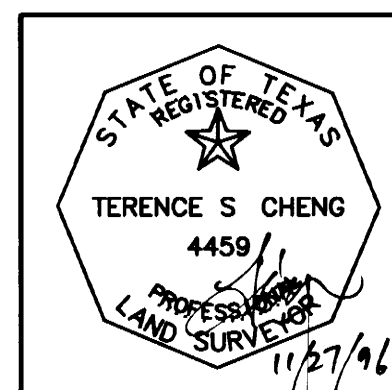
BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

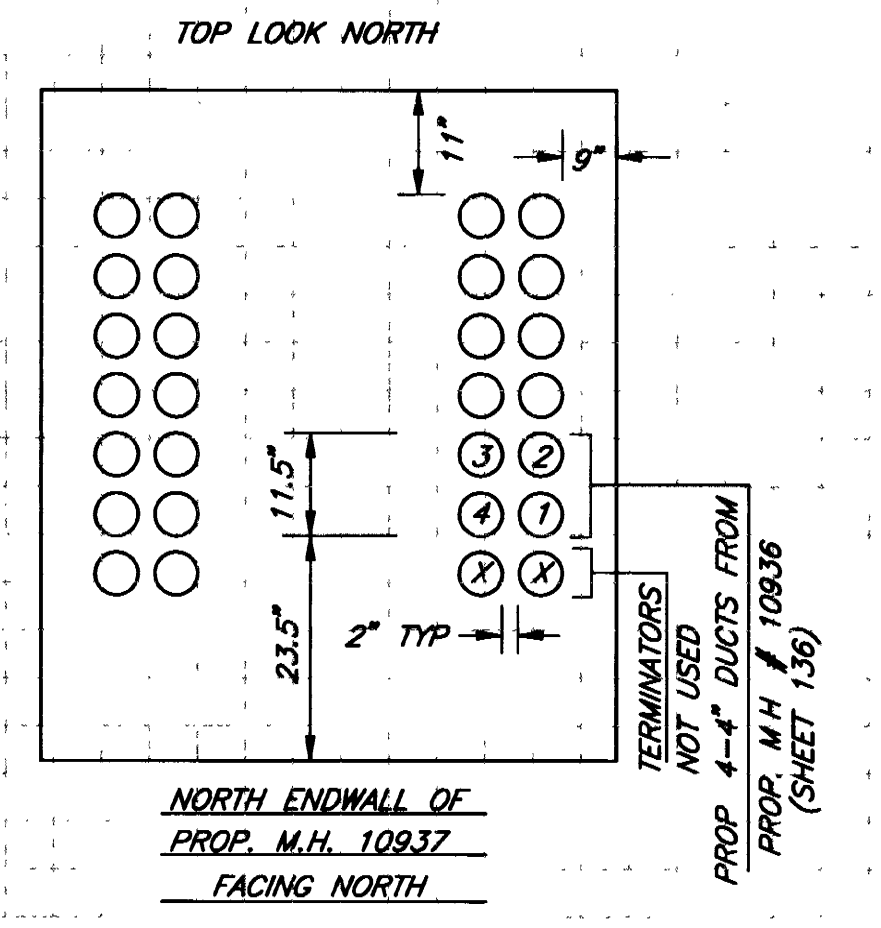
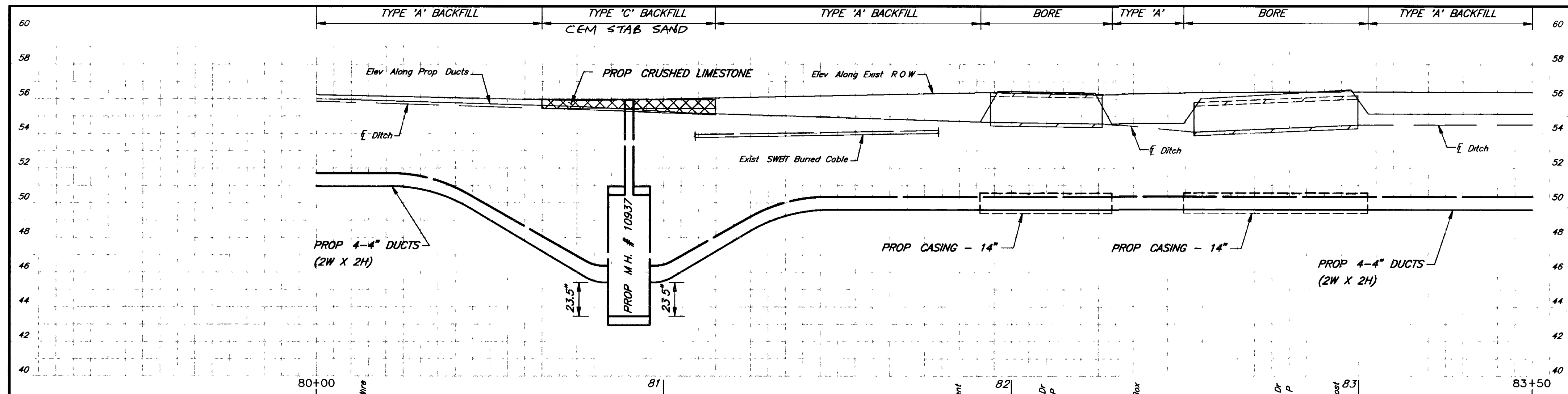
TBM #10
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #S-288-G3 (+/-100 FEET HIGH) LOCATED ON THE EAST SIDE OF S.H. 288, BEING +/-300 FEET NORTHWEST OF A NATIONWIDE MOBILE HOME BILLBOARD, AND BEING +/-800 FEET SOUTH OF B.W. 8
 ESTABLISHED ELEV = 57.97 1978 ADJUSTMENT
 B.L. STATION = 71+13 OFFSET = 30.1' RIGHT



SECTION OF PROP. 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

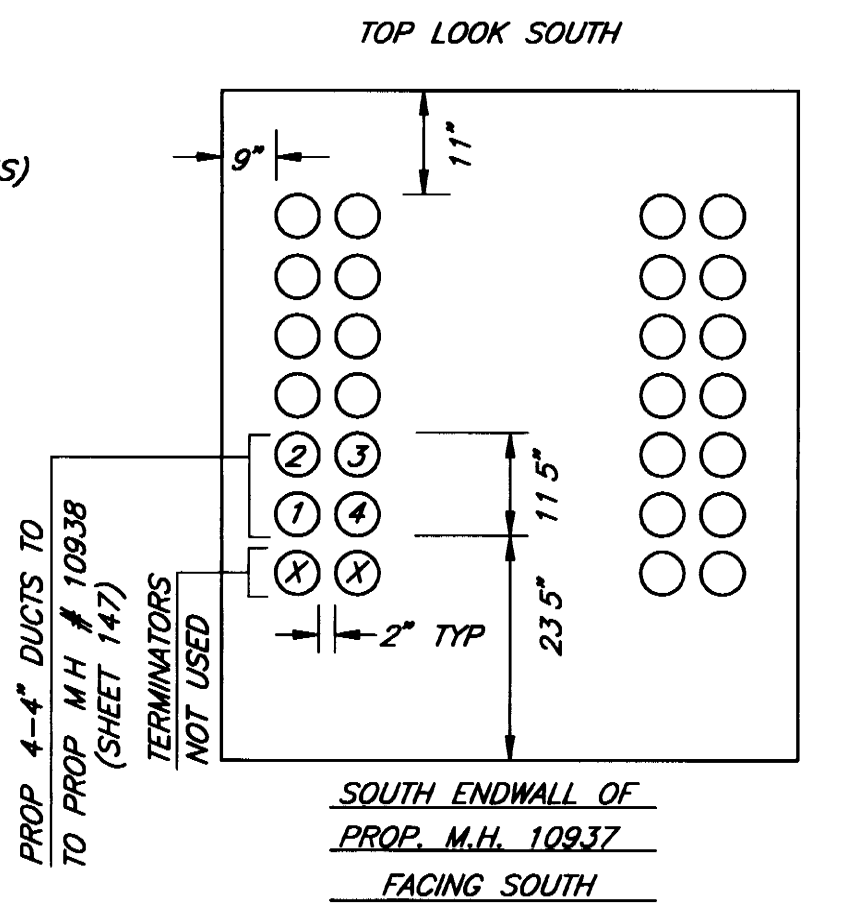
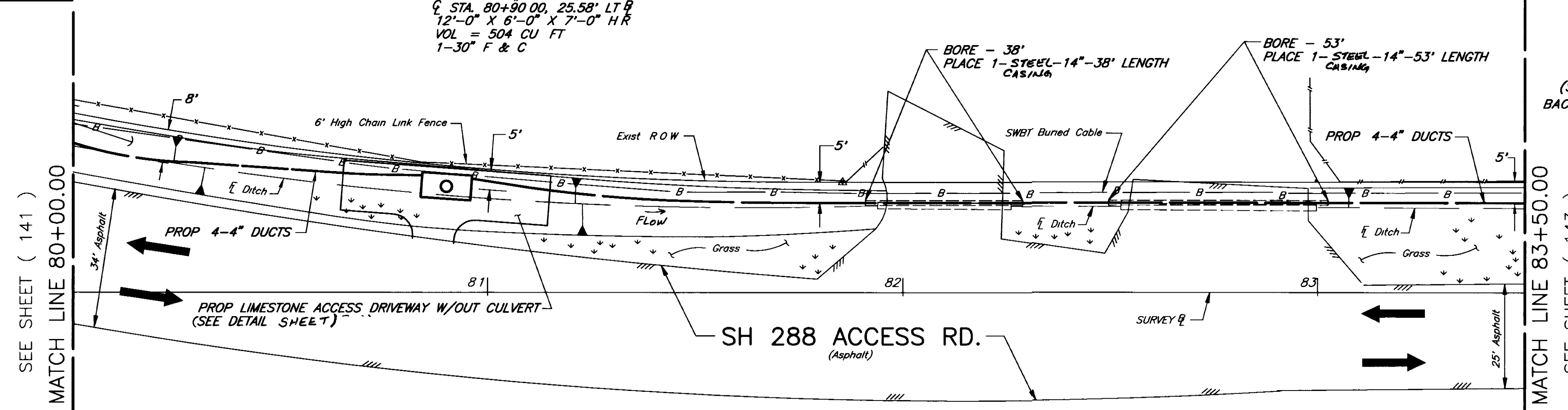
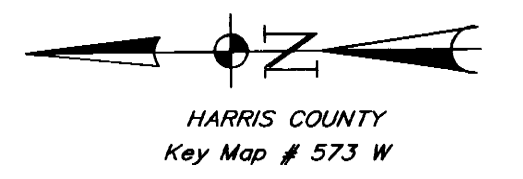
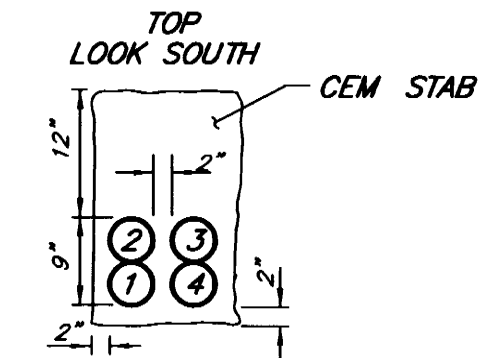
CP # 96-018			
Southwestern Bell Telephone			
SH 288			
HARRIS COUNTY, TEXAS			
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITTS MANAGER (DESIGN)		12-4-96
APPROVED BY MANAGER (DESIGN)	John Eubank AREA MGR. ENCL. DESIGN		
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 141
AREA NO. WK-4433	C O IDLEWOOD "433"	TAX DIST HG-029	





NOTE
THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING.

PROP M.H. # 10937
Q STA. 80+90.00, 25.58' LT B
12'-0" X 6'-0" X 7'-0" HR
VOL = 504 CU FT
1-30" F & C



SECTION OF PROP 4 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

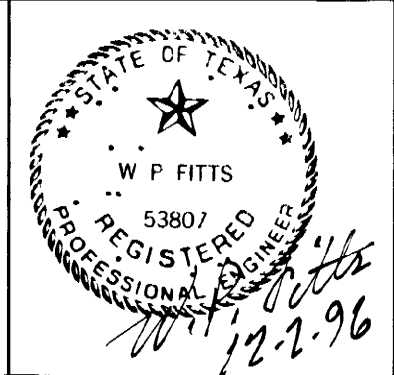
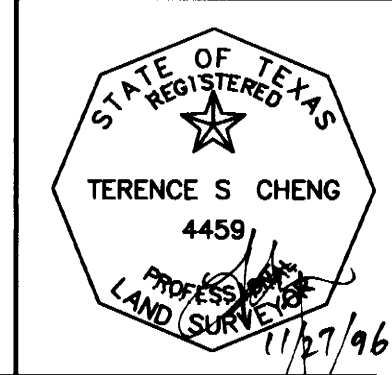
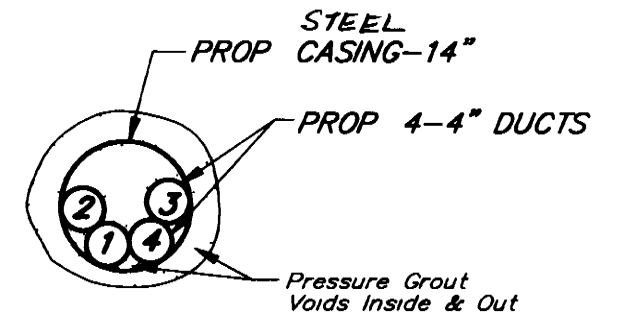
BENCHMARK
TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF BW 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
TBM #10
TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #5-288-G3 (+/-100 FEET HIGH) LOCATED ON THE EAST SIDE OF SH 288, BEING +/-300 FEET NORTHWEST OF A NATIONWIDE MOBILE HOME BILLBOARD, AND BEING +/-800 FEET SOUTH OF BW 8
ESTABLISHED ELEV = 57.97 1978 ADJUSTMENT
B/L STATION = 71+13 OFFSET = 30.1' RIGHT
TBM #9
TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #5-288-G1 (+/-100 FEET HIGH) LOCATED ON THE EAST SIDE OF SH 288, BEING +/-300 FEET NORTHWEST OF ST THOMAS OF CANTERBURY ANGLICAN CHURCH, AND BEING +/-3000 FEET SOUTH OF THE INTERSECTION OF SH 288 AND BW 8
ESTABLISHED ELEV = 57.69 1978 ADJUSTMENT
B/L STATION = 85+76 OFFSET = 39.8' RIGHT

PROP M.H. # 10937 TO PROP. M.H. # 10938 (SHEET 147)
PL. 4-PVC-C-4" = 1998' (7992 DU FT) (4C)

PROP M.H. # 10937 TO PROP M.H. # 10938
W-W 1998', C-C 2010'

OPER	ACTION CODE	MAJOR MATERIAL DESCRIPTION	ACCT CODE	ML OR AMT	PL	BORE	REMOVALS
							AMOUNT MORT DATE
1	PLAC	MANHOLE	4C		1		
2	PLAC	TRENCH-4-MPC	4C	1998'			
3	PLAC	PVC-C-4"	4C		7992'	134'	

MFR C 4C
PLAC 1 TO 3
OPER. RANGE



CP # 96-018

Southwestern Bell Telephone

SH 288
HARRIS COUNTY, TEXAS

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

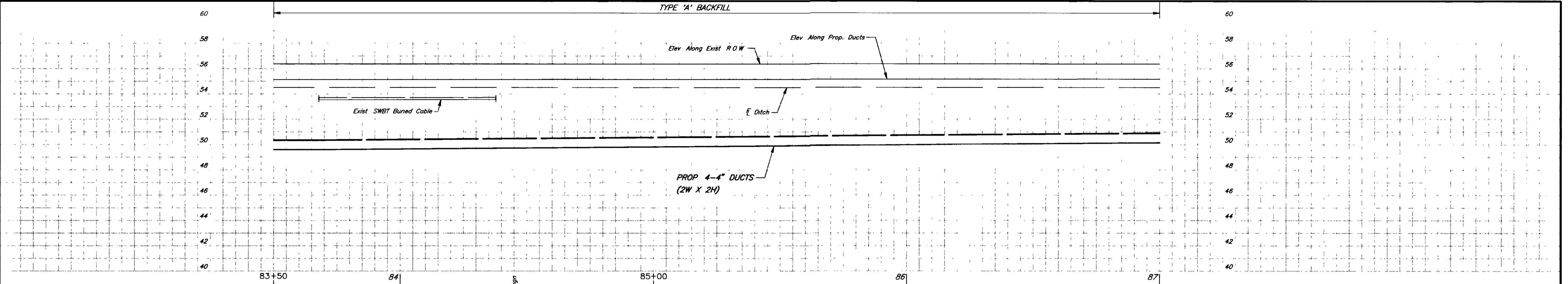
PREPARED BY: *W.P. Fitts* (SHEET 147) MOR-ENG (DESIGN) 12-4-96

APPROVALS: *John Eubank* (MANAGER ENG. DESIGN) AREA MOR ENG. DESIGN

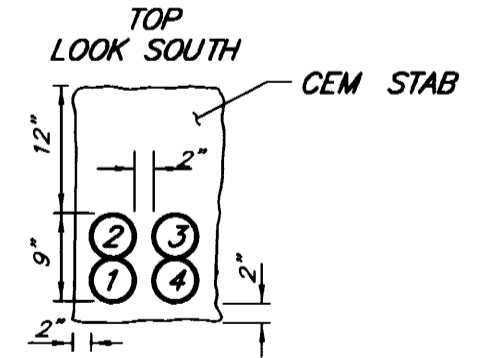
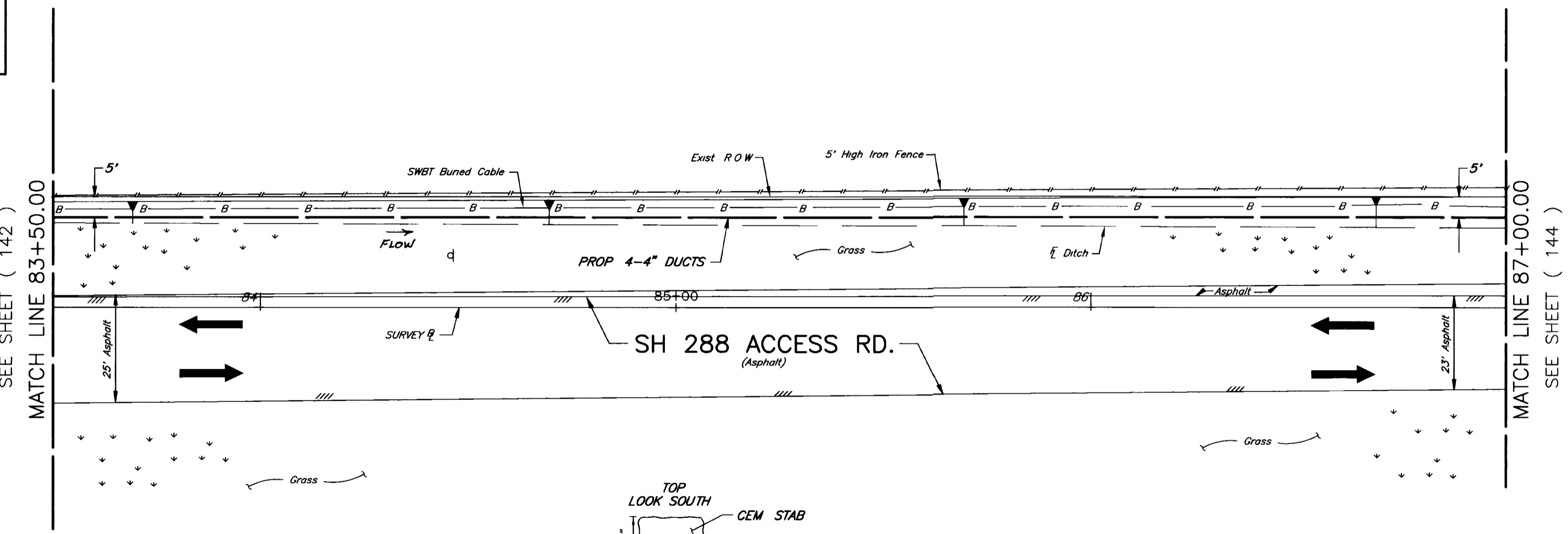
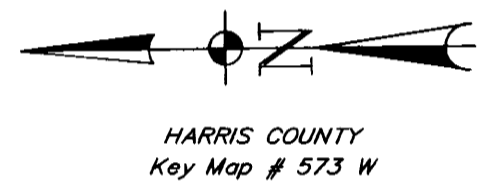
JOB NO. EST NO. 0607386 DRAWN BY: *W.P. Fitts* SHEET 142

AREA NO. WK-4433 C O IDLEWOOD "433" TAX DIST HG-029

TSC ENGINEERING COMPANY
 Engineers
 F B NO 313 c
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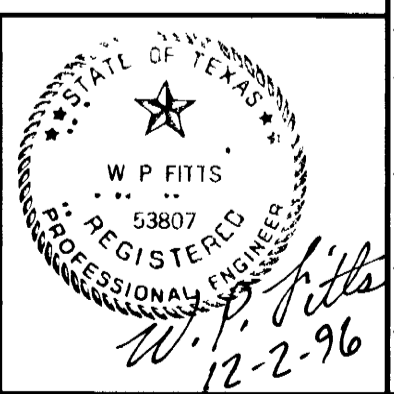
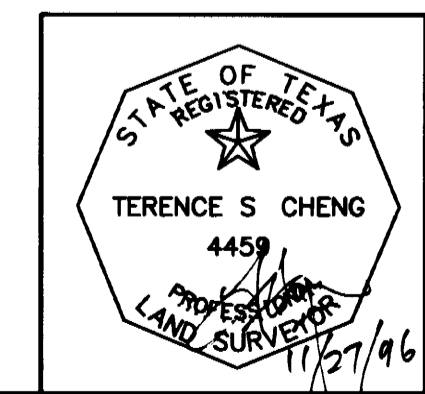


NOTE
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SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

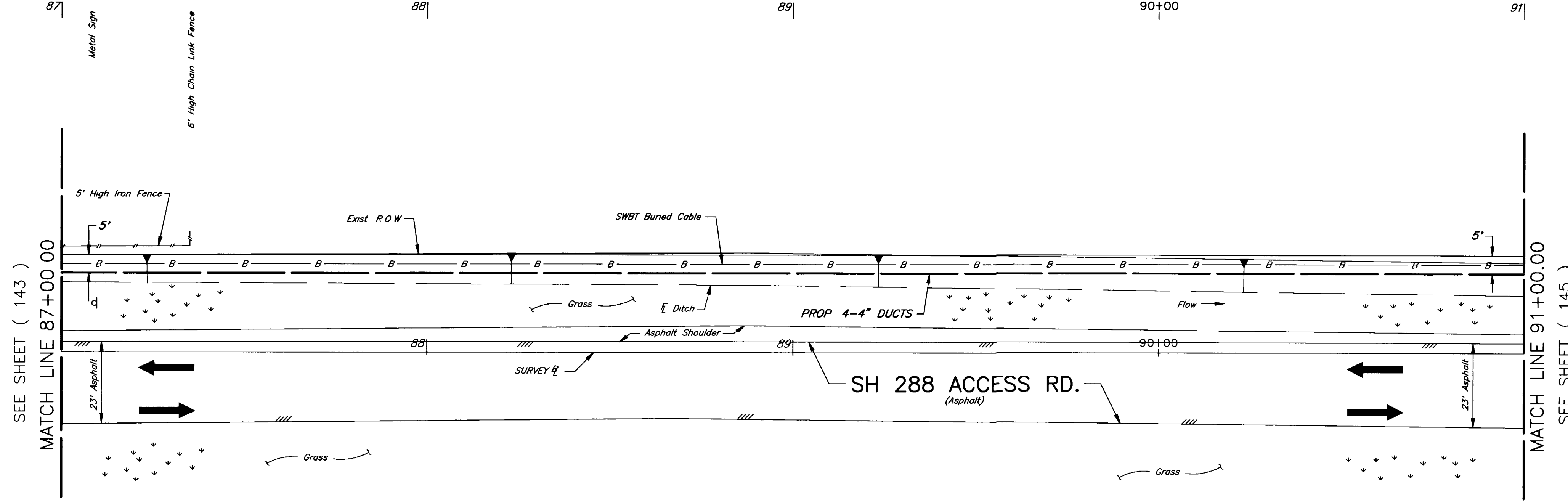
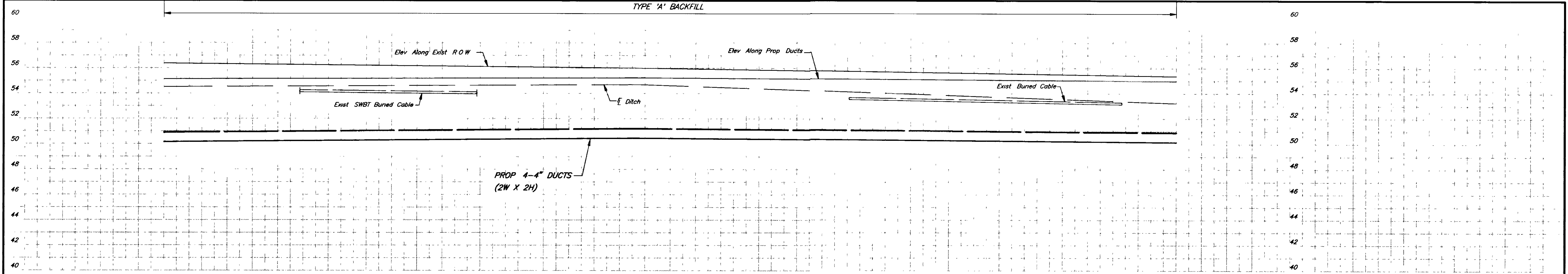
BENCHMARK
 TYPOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S H 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 TBM #9
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #5-288-G1 (+/-100 FEET HIGH) LOCATED ON THE EAST SIDE OF S H 288, BEING +/-300 FEET NORTHWEST OF ST. THOMAS OF CANTERBURY ANGLICAN CHURCH, AND BEING +/-3000 FEET SOUTH OF THE INTERSECTION OF S H 288 AND B W 8
 ESTABLISHED ELEV = 57.69 1978 ADJUSTMENT
 B.L. STATION = 85+76 OFFSET = 39.8' RIGHT



CP # 96-018	
Southwestern Bell Telephone	
SH 288	
HARRIS COUNTY, TEXAS	
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20
PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	12-4-96
APPROVED BY MANAGER ENG. (DESIGN)	AREA MGR. ENG. (DESIGN)
JOB NO.	SHEET
EST NO. 0607386	143
AREA NO. WK-4433	DRAWN BY
C O IDLEWOOD "433"	TAX DIST
HG-029	

F B NO. 313 C
 FILE INFO C:\SBI\SWB1A2.dwg 1=20 11/21/96 15 24 RVP

TSC ENGINEERING COMPANY
 Engineers Surveyors



NOTE
 THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING.

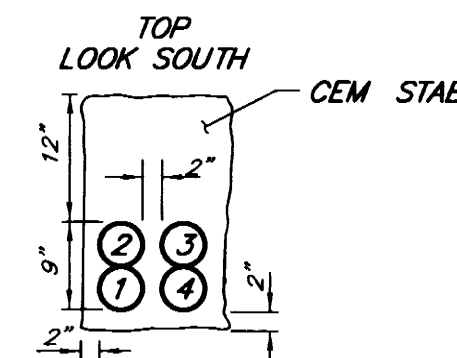


HARRIS COUNTY
 Key Map # 573 W

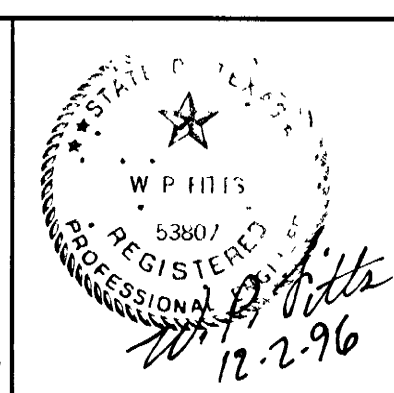
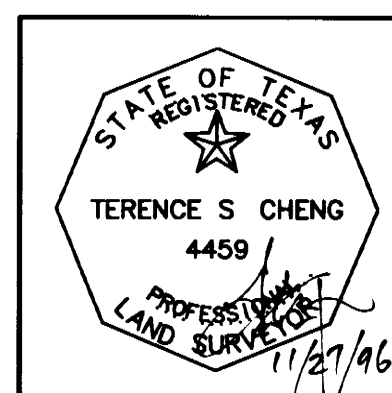
BENCHMARK

TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W B.
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

T B M #9
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #5-288-G1 (+/-100 FEET HIGH) LOCATED ON THE EAST SIDE OF SH 288 BEING +/-300 FEET NORTHWEST OF ST THOMAS OF CANTERBURY ANGLICAN CHURCH, AND BEING +/-3000 FEET SOUTH OF THE INTERSECTION OF SH 288 AND B W B.
 ESTABLISHED ELEV = 57.69 1978 ADJUSTMENT
 B L STATION = 85+76 OFFSET = 39.8' RIGHT



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

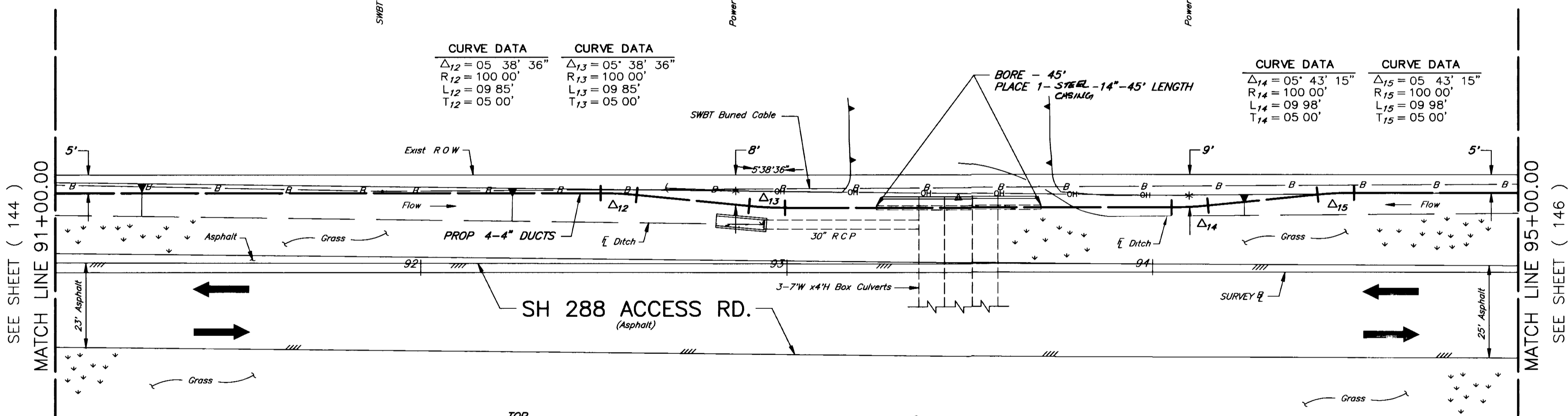
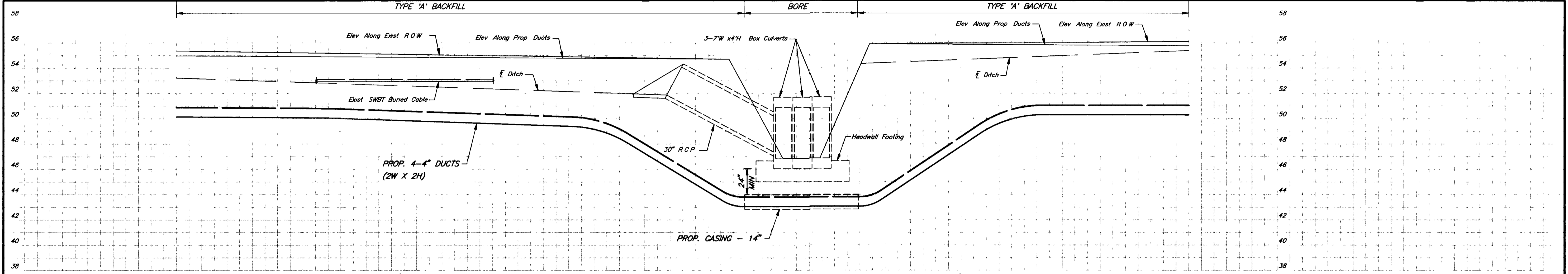


CP # 96-018			
Southwestern Bell Telephone			
SH 288			
HARRIS COUNTY, TEXAS			
SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. White MGR-ENG. (CCSP)		12-4-96
APPROVED MANAGER ENG. (DESIGN)	John E. Brown AREA MGR. ENG. DESIGN		
JOB NO.	EST NO. 0607386	DRAWN BY	SHEET 144
AREA NO. WK-4433	C.O. IDLEWOOD *433*	TAX DIST. HG-029	

E3-26

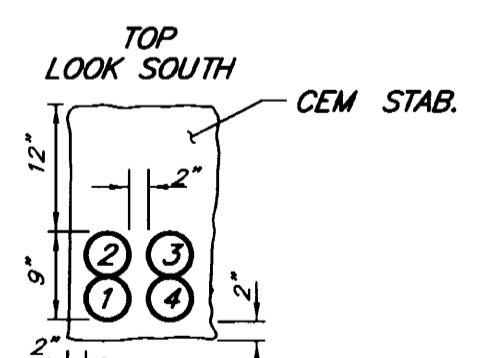
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TSC ENGINEERING COMPANY
 Engineers Surveyors

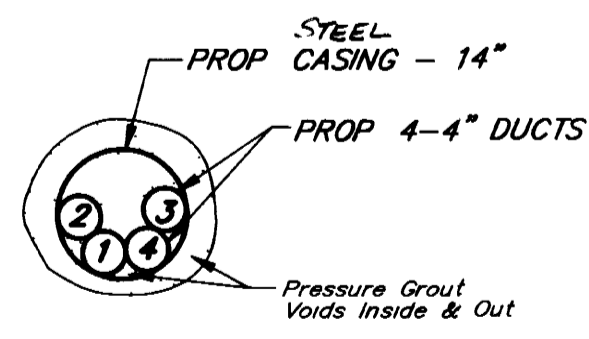


BENCHMARK

TxDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
 TBM #9
 TOP OF A TEXAS DEPARTMENT OF TRANSPORTATION BRASS DISK SET IN THE EAST SIDE OF THE CONCRETE BASE FOR LIGHT STANDARD #S-288-G1 (4 1/2-100 FEET HIGH) LOCATED ON THE EAST SIDE OF S.H. 288, BEING +/- 300 FEET NORTHWEST OF ST. THOMAS OF CANTERBURY ANGLICAN CHURCH AND BEING +/- 3000 FEET SOUTH OF THE INTERSECTION OF S.H. 288 AND B.W. 8
 ESTABLISHED ELEV = 57.69 1978 ADJUSTMENT
 B.L. STATION = 85+76 OFFSET = 39.8' RIGHT



SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



SECTION OF PROP 4 DUCTS
 FACING SOUTH

CP # 96-018

Southwestern Bell Telephone

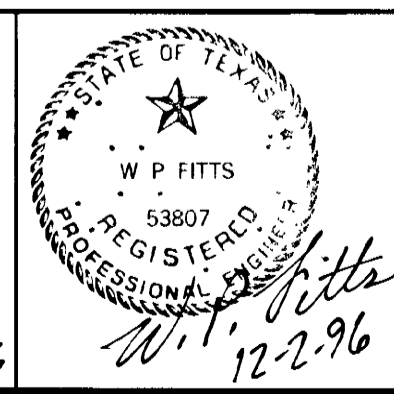
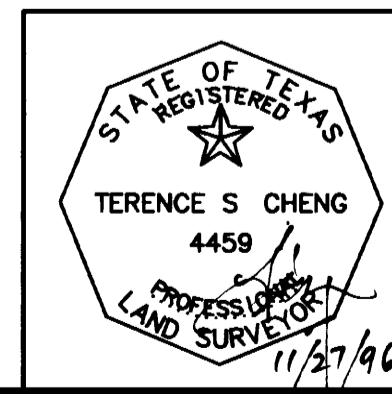
SH 288
 HARRIS COUNTY

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

PREPARED BY *W.P. Fitts* 12-4-96
 CONDUIT DISTRICT MGR-ENG. (DESIGN)

APPROVED *Terence S. Cheng* *John E. Eubank*
 MANAGER ENG. (DESIGN) AREA MGR. ENG. DESIGN

JOB NO. WK-4433 EST NO. 0607386 DRAWN BY TAX DIST. HG-029 SHEET 145



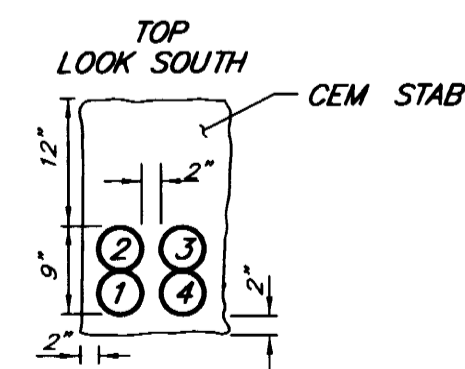
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TSC ENGINEERING COMPANY
 Engineers Surveyors

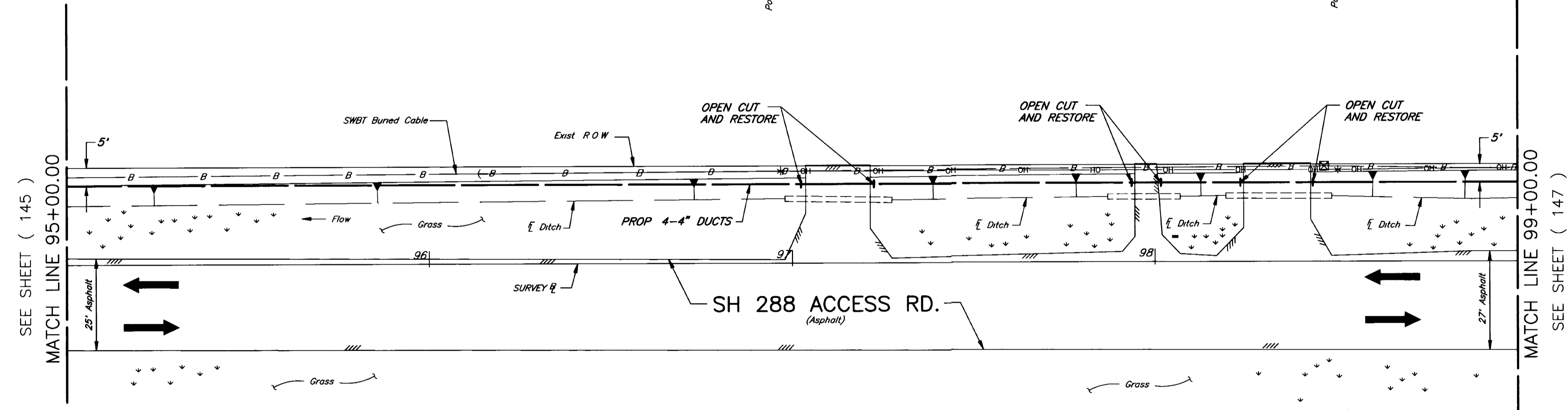
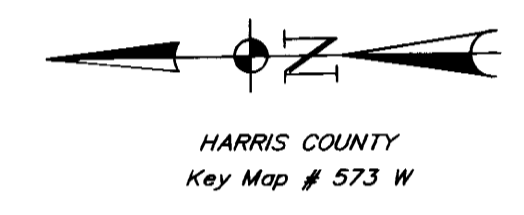
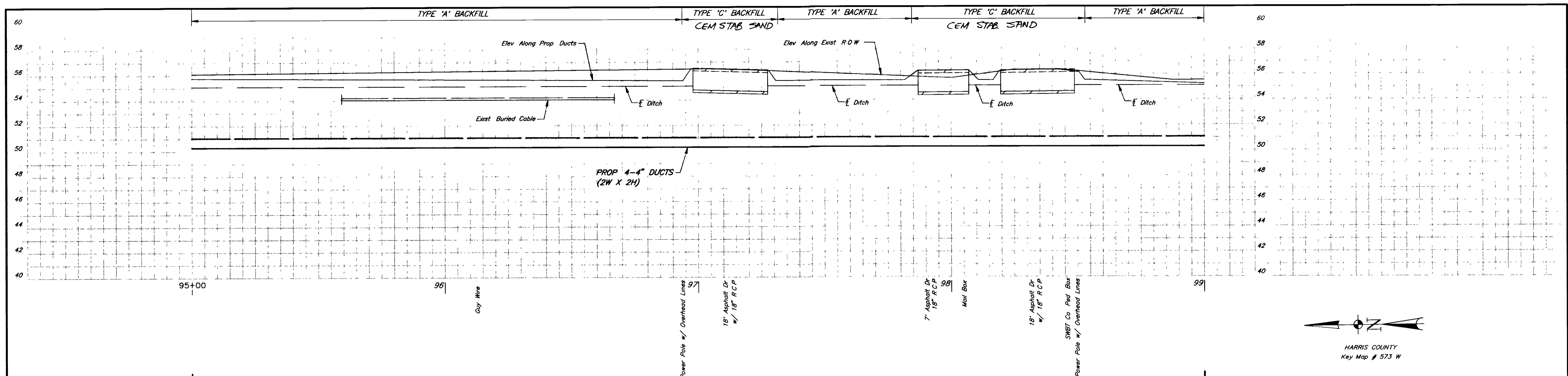
BENCHMARK

TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

TBM #8
 TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 100 FEET SOUTH OF THE DEAD END OF THE FEEDER ROAD, AND BEING +/- 400 FEET SOUTH OF THE SOUTHWAY COMMUNITY CHURCH
 ESTABLISHED ELEV = 57.46 1978 ADJUSTMENT
 B.L. STATION = 97+33 OFFSET = 34.3' LEFT

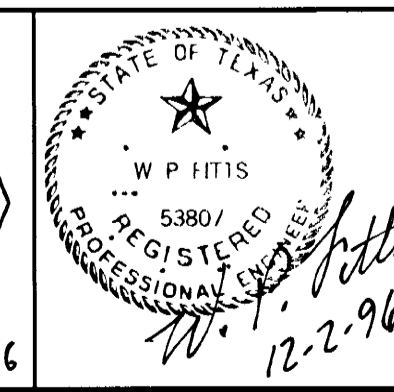
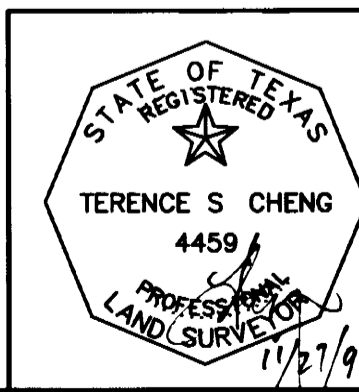


SECTION OF PROP 4 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)

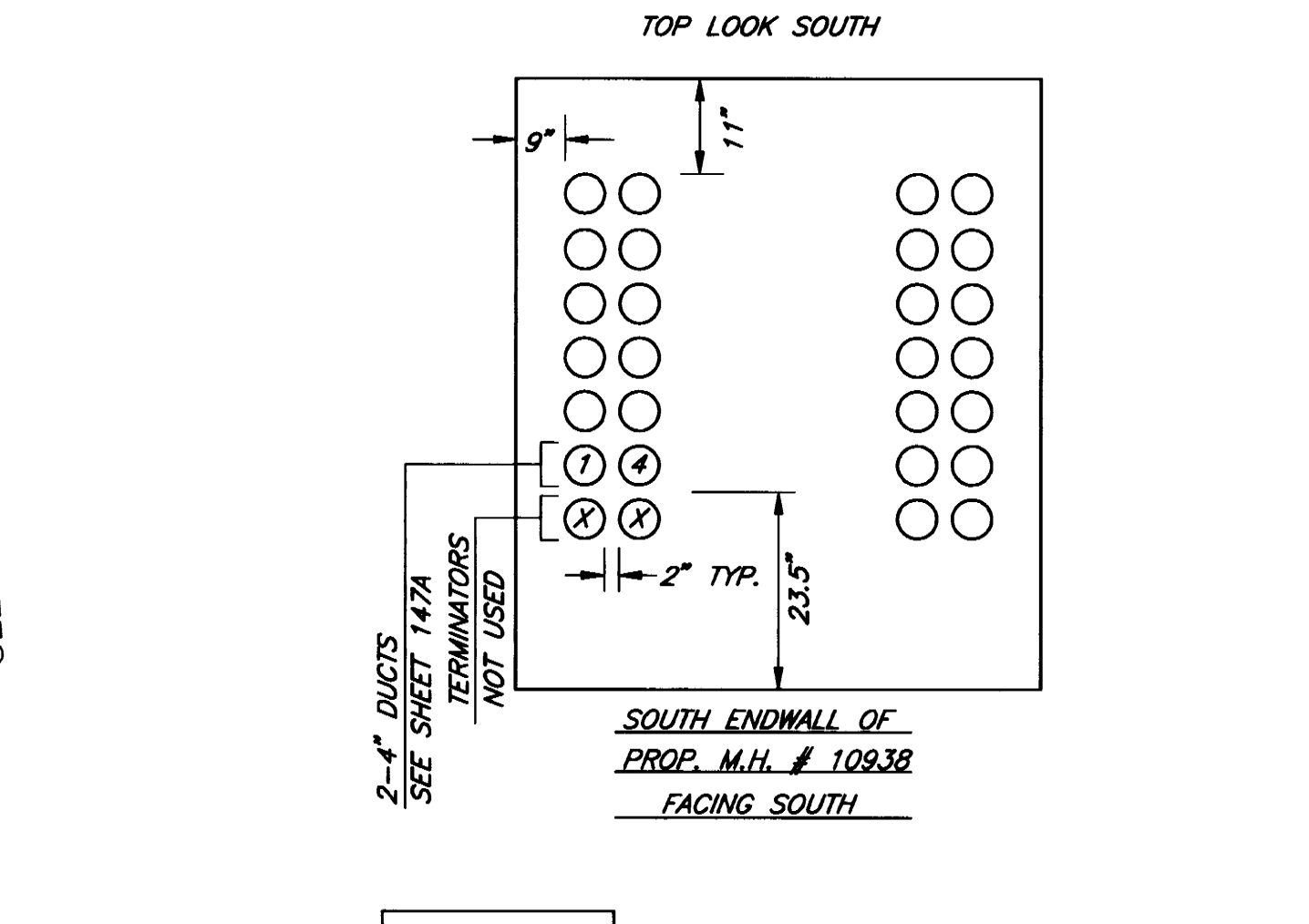
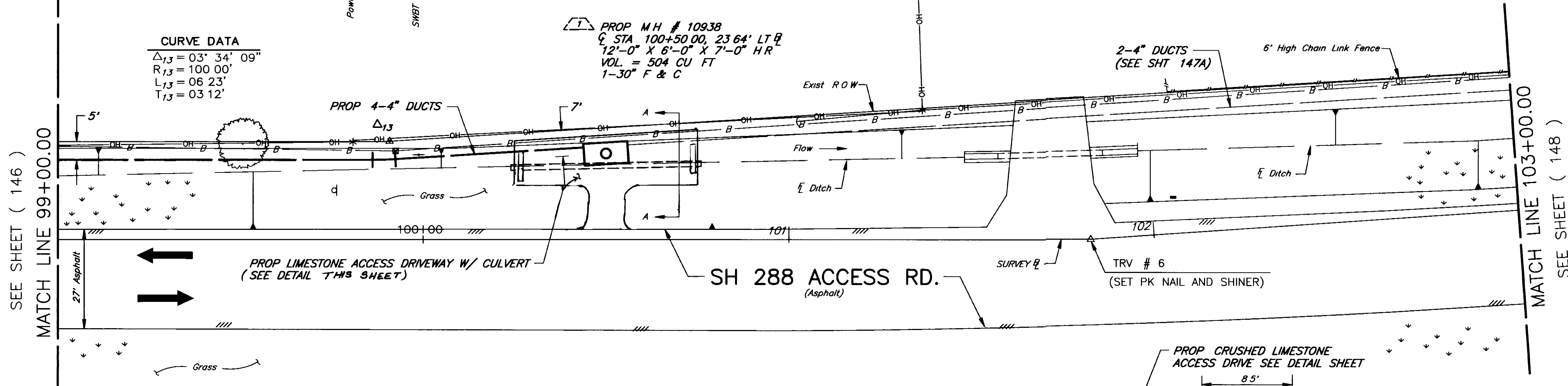
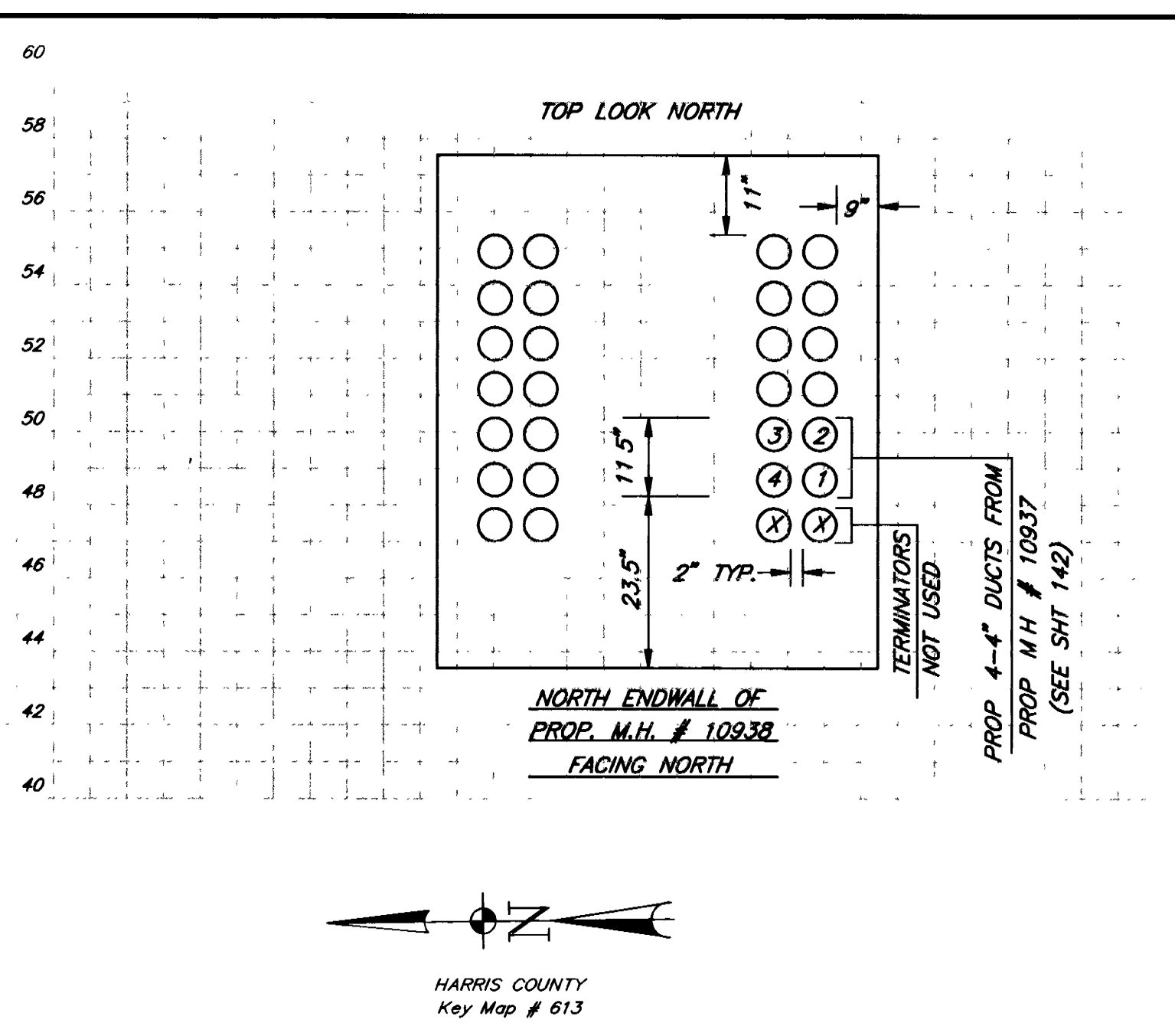
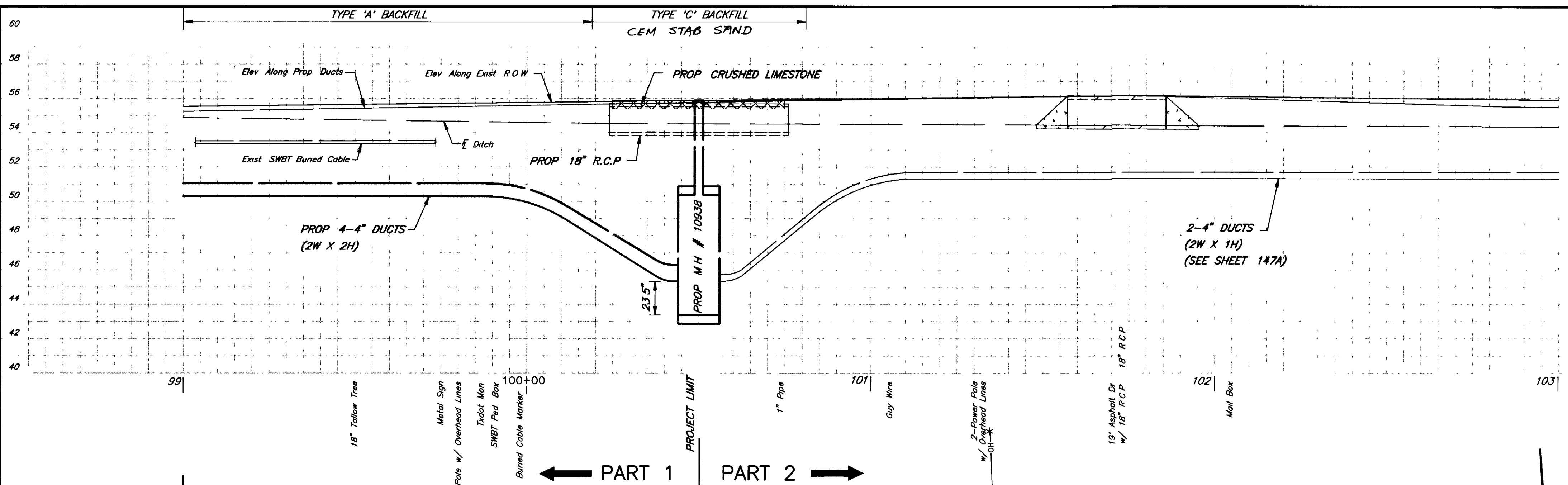


NOTE
 THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING

CP # 96-018	
Southwestern Bell Telephone	
SH 288 HARRIS COUNTY, TEXAS	
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20
PROFILE VERT 1"=4	ISSUE DATE 12-4-96
PREPARED BY CONDUIT DISTRICT <i>W.P. Pitts</i> MGR-ENG (DESIGN)	APPROVED BY <i>John Esterson</i> MANAGER ENG (DESIGN)
JOB NO. WK-4433	EST NO. 0607386
AREA NO. C O IDLEWOOD *433*	DRAWN BY TAX DIST HG-029
SHEET 146	



TSC ENGINEERING COMPANY
 FB NO 313 C
 FILE INFO C:\HWY288\SWB81A27.dwg 1=20 11/21/96 11:32 RVP
 Engineers Surveyors

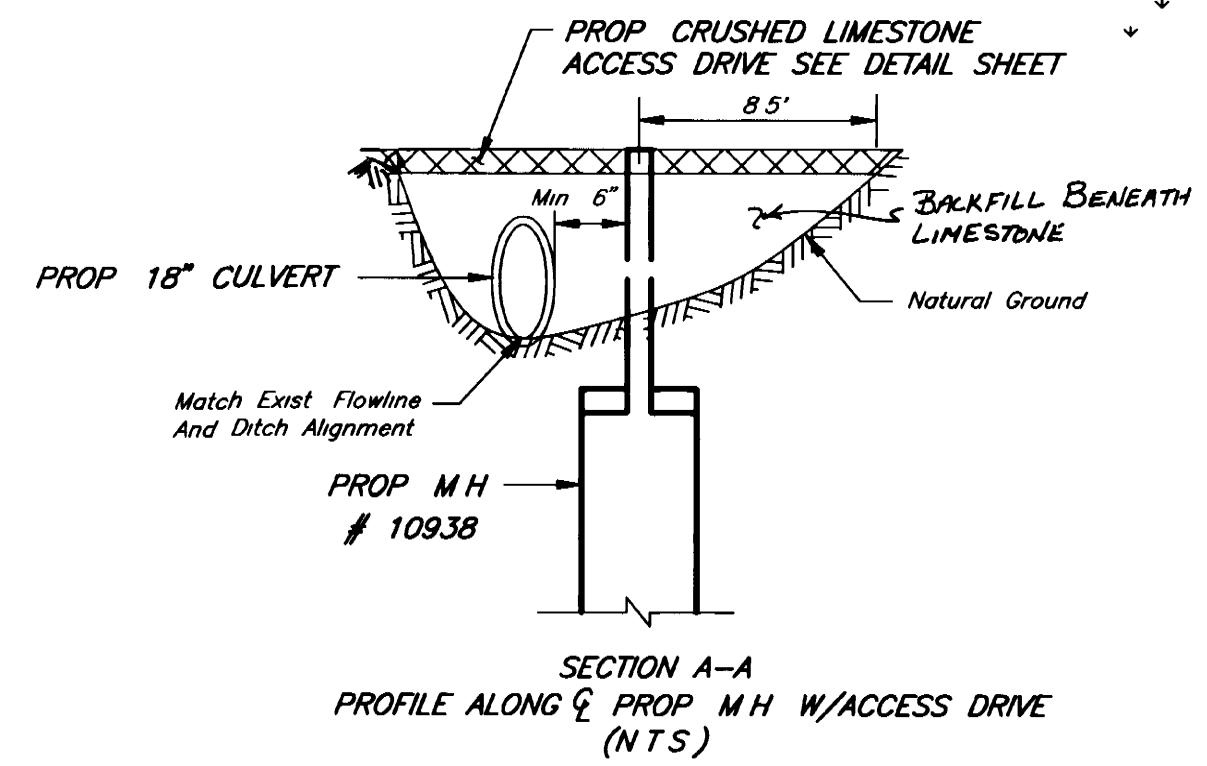
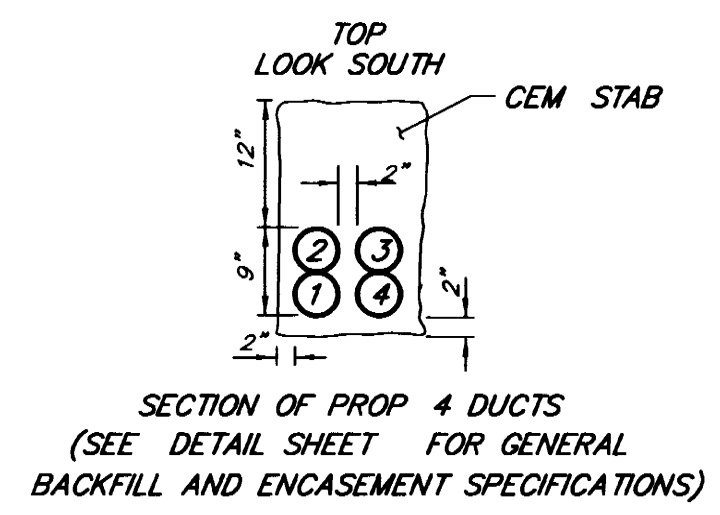


CURVE DATA
 $\Delta_{1,3} = 03^\circ 34' 09''$
 $R_{1,3} = 100 00'$
 $L_{1,3} = 06 23'$
 $T_{1,3} = 03 12'$

PROP M.H. # 10938
 STA 100+50.00, 23 64' LT R
 12'-0" X 6'-0" X 7'-0" H R
 VOL = 504 CU FT
 1-30" F & C

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF SH 288 AND THE WEST BOUND FRONTAGE ROAD OF B W B
 PUBLISHED ELEV = 56 27 1978 ADJUSTMENT

TBM #8
 TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND SH 288, BEING +/- 100 FEET SOUTH OF THE DEAD END OF THE FEEDER ROAD, AND BEING +/- 400 FEET SOUTH OF THE SOUTHWAY COMMUNITY CHURCH
 ESTABLISHED ELEV = 57 46 1978 ADJUSTMENT
 B.L. STATION = 97+33 OFFSET = 34.3' LEFT

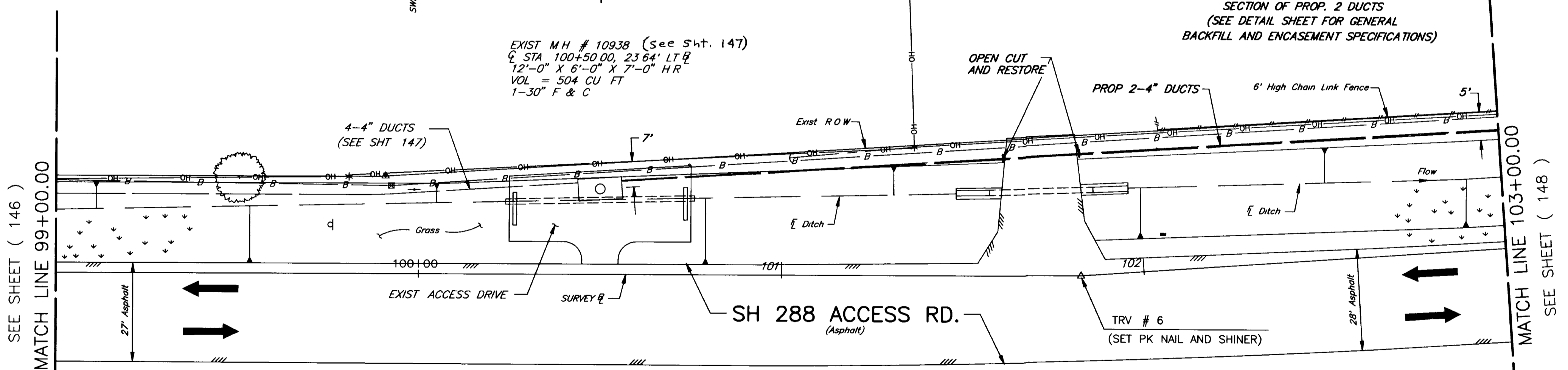
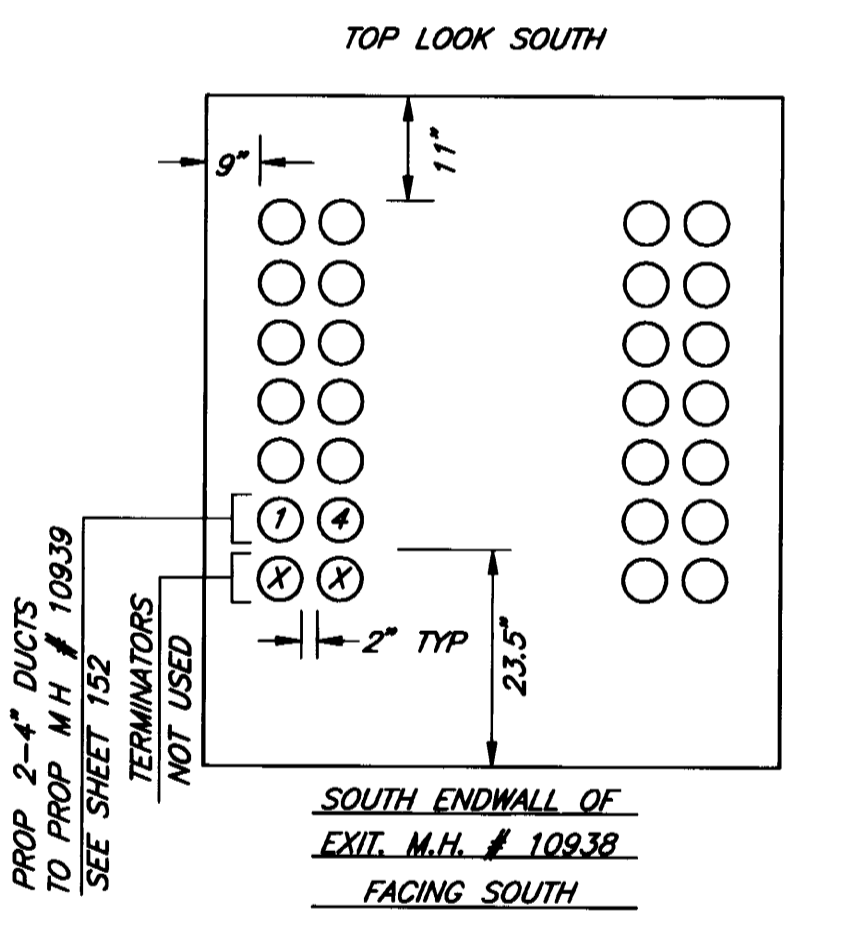
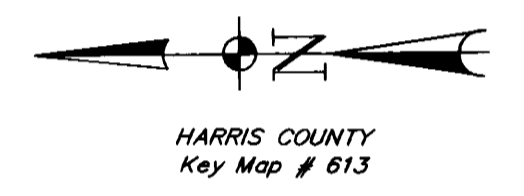
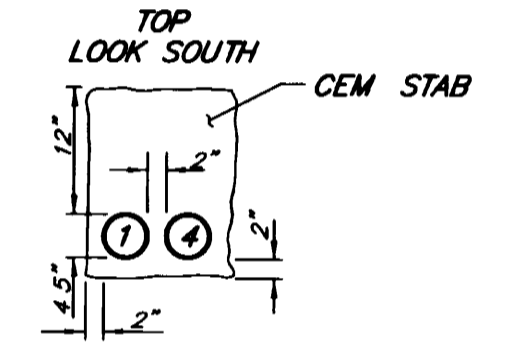
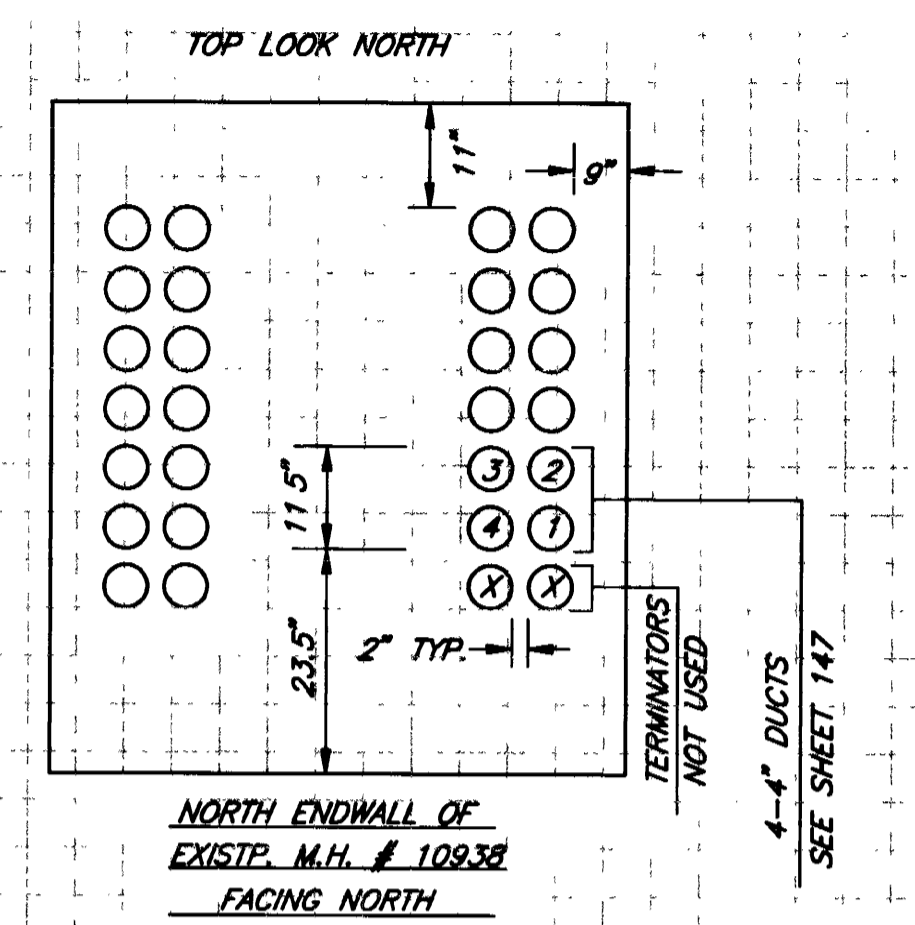
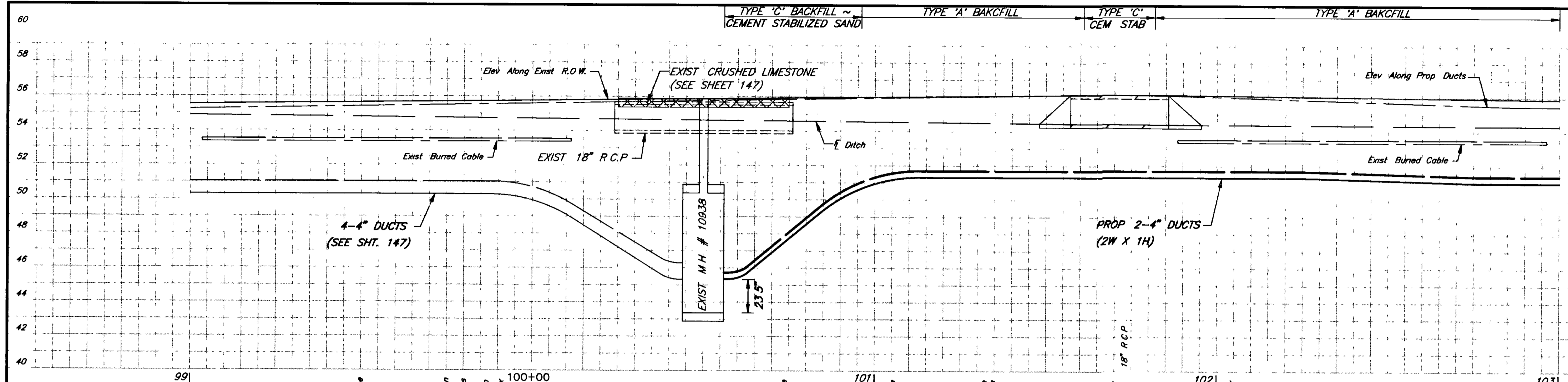


STATE OF TEXAS
 REGISTERED
 TERENCE S CHENG
 4459
 PROFESSIONAL LAND SURVEYOR
 11/21/96

STATE OF TEXAS
 REGISTERED
 W P FIFIS
 53807
 PROFESSIONAL ENGINEER
 12-2-96

CP # 96-018			
Southwestern Bell Telephone			
SH 288			
HARRIS COUNTY, TEXAS			
SCALE PLAN 1"=20	PROFILE HORZ 1"=20	PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY	<i>W.P. Fifis</i>		12-4-96
APPROVED BY	<i>John E. Esham</i>		
JOB NO	EST NO 0607386	DRAWN BY	SHEET 147
AREA NO WK-443	C.O. IDLEWOOD *433*	TAX DIST HG-029	

E3 29 #30



EXIST M.H. # 10938 (see Sht. 147)
 STA 100+50.00, 23.64' LT
 12'-0" X 6'-0" X 7'-0" HR
 VOL = 504 CU FT
 1-30" F & C

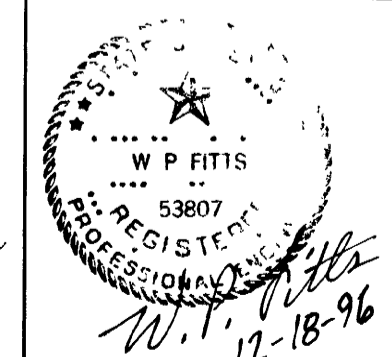
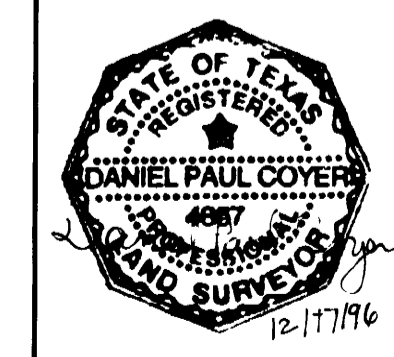
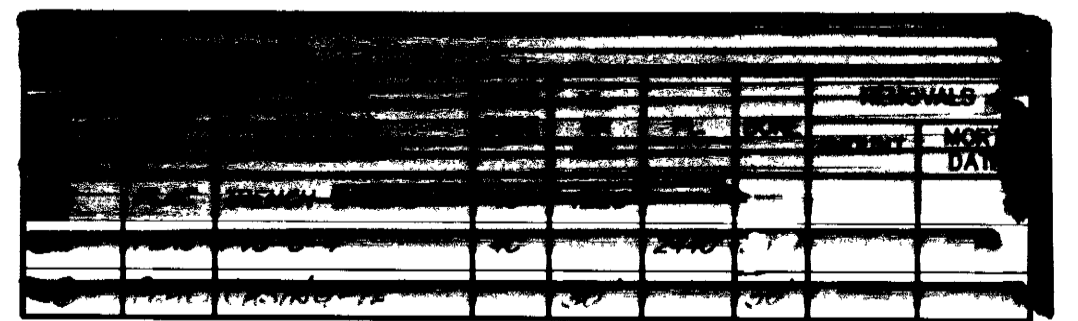
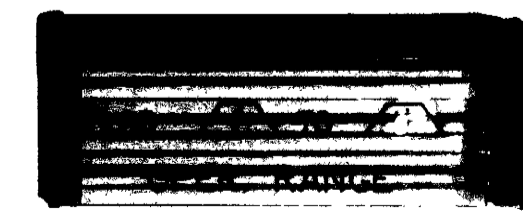
SECTION OF PROP. 2 DUCTS
 (SEE DETAIL SHEET FOR GENERAL
 BACKFILL AND ENCASEMENT SPECIFICATIONS)

BENCHMARK
 TxDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
 PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

TBM #9
 TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S.H. 288, BEING +/- 100 FEET SOUTH OF THE DEAD END OF THE FEEDER ROAD, AND BEING +/- 400 FEET SOUTH OF THE SOUTHWAY COMMUNITY CHURCH
 ESTABLISHED ELEV = 57.46 1978 ADJUSTMENT
 B.L. STATION = 97+33 OFFSET = 34.3' LEFT

EXIST M.H. # 10938 TO W.O. # 1 (SHEET 150)
 PL 2-4" 'C'- PVC = 1220' (2440 DU. FT) (4C)

EXIST M.H. # 10938 TO PROP M.H. # 10939
 W-W 2030' C-C 2042'



CP # 96-018B		Southwestern Bell Telephone	
SH 288		HARRIS COUNTY, TEXAS	
SCALE PLAN 1" = 20'	PROFILE HORZ 1" = 20'	PROFILE VERT 1" = 4'	ISSUE DATE 12-23-96
PREPARED BY [Signature]	AREA MANAGER ENGR.	APPROVALS [Signatures]	
MANAGER ENGR. (DESIGN)	AREA MGR ENGR. (DESIGN)	DIST MGR. ENGR.	
JOB NO. WK-4433	EST NO. 0607386	DRAWN BY [Signature]	SHEET 147A
AREA NO. 433	C.O. 433	TAX DIST. HG-029	

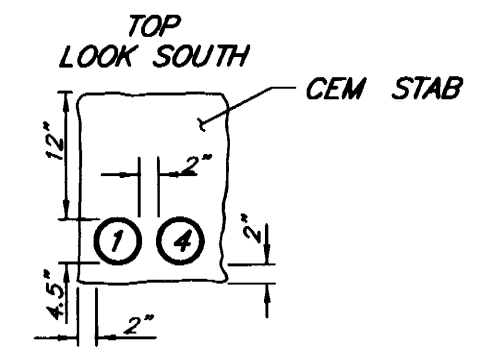
TSC ENGINEERING COMPANY
 Engineers Surveyors
 FB NO 313 C
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FB NO. 313 C
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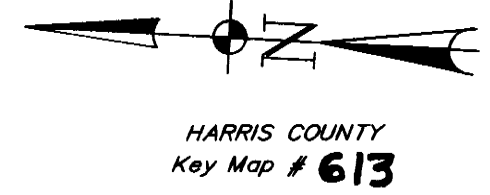
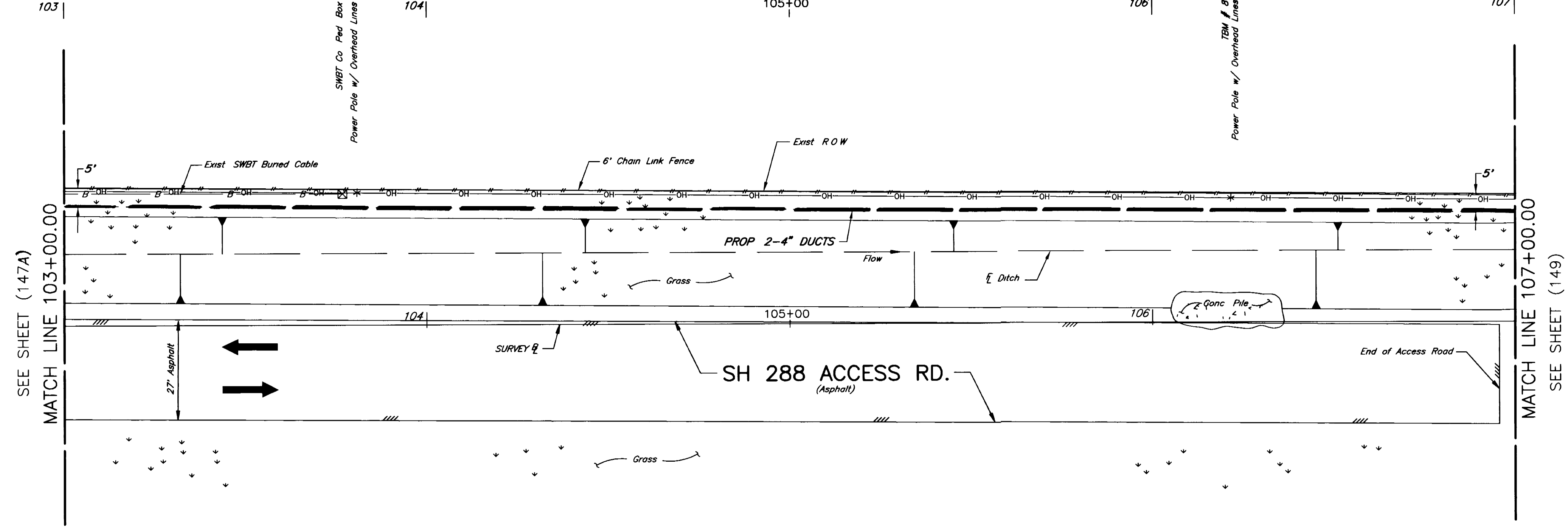
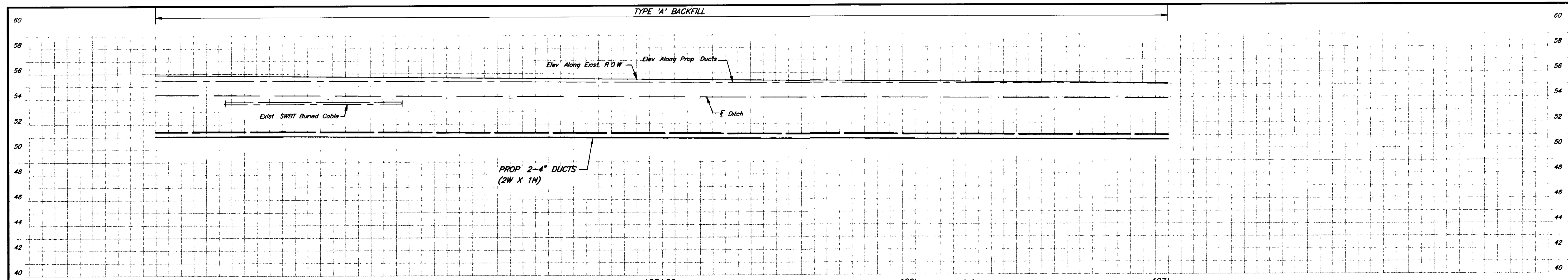
TSC ENGINEERING COMPANY
 Engineers Surveyors

BENCHMARK
 TXDOT MON 307
 TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S H 288 AND THE WEST BOUND FRONTAGE ROAD OF B W 8
 PUBLISHED ELEV = 56 27 1978 ADJUSTMENT

T.B.M. #8
 TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S H 288, BEING +/-100 FEET SOUTH OF THE DEAD END OF THE FEEDER ROAD, AND BEING +/-400 FEET SOUTH OF THE SOUTHWAY COMMUNITY CHURCH
 ESTABLISHED ELEV = 57 46 1978 ADJUSTMENT
 B.L. STATION = 97+33 OFFSET = 34 3' LEFT



SECTION OF PROP. 2 DUCTS
 (SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



NOTE
 THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING

CP # 96-018B	
Southwestern Bell Telephone	
SH 288	
HARRIS COUNTY, TEXAS	
SCALE PLAN 1"=20	PROFILE HORZ 1"=20
PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT	W.P. FITTS MGR-ENG. (DESIGN) AREA MANAGER ENG.
APPROVALS MANAGER ENG. (DESIGN)	John E. Johnson AREA MGR. ENG. DESIGN DIST MGR. ENG.
JOB NO. AREA WK-4433	EST NO. 0607386 NO. 433
DRAWN BY TAX DIST	53807 PROFESSIONAL ENGINEER 12-18-96
SHEET 148	

FB NO 313 C
FILE INFO C:\581\SW581229.dwg 1=20 12/16/96 10:56 R/P

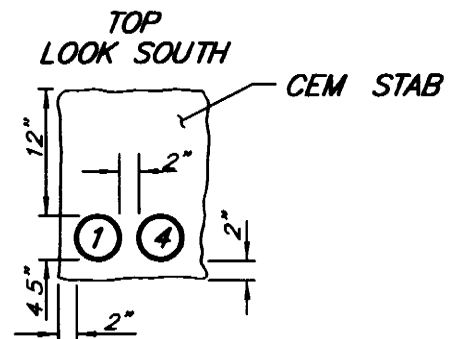
TSC ENGINEERING COMPANY
Engineers Surveyors

BENCHMARK

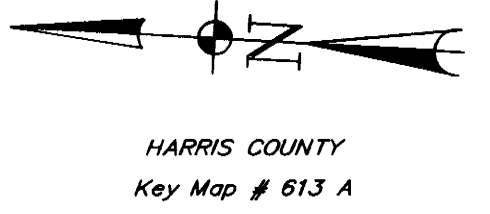
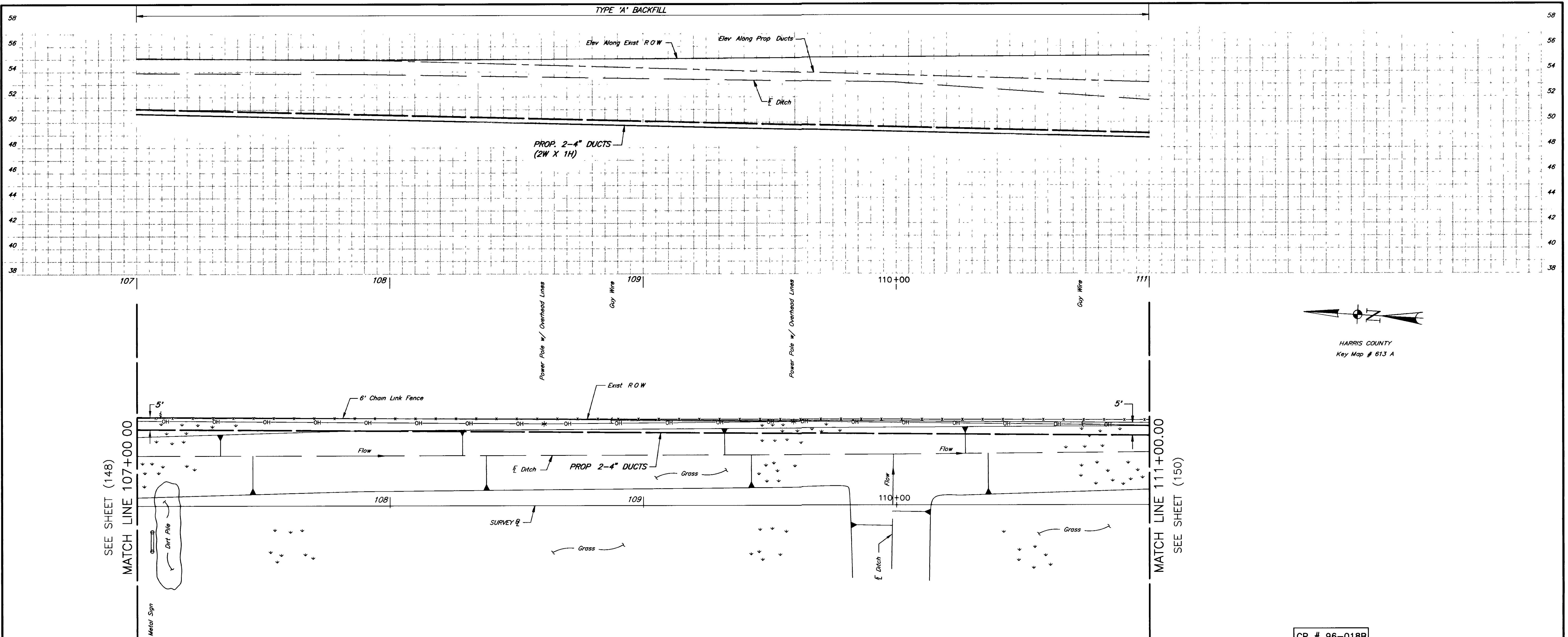
TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT

T.B.M. #8
TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF A POWER POLE LOCATED ON THE EAST SIDE OF THE FRONTAGE ROAD OF NORTH BOUND S.H. 288, BEING +/- 100 FEET SOUTH OF THE DEAD END OF THE FEEDER ROAD, AND BEING +/- 400 FEET SOUTH OF THE SOUTHWAY COMMUNITY CHURCH
ESTABLISHED ELEV = 57.46 1978 ADJUSTMENT
B.L. STATION = 97+33 OFFSET = 34.3' LEFT

SH 288



SECTION OF PROP 2 DUCTS
(SEE DETAIL SHEET FOR GENERAL BACKFILL AND ENCASEMENT SPECIFICATIONS)



SEE SHEET (148)
MATCH LINE 107+00.00

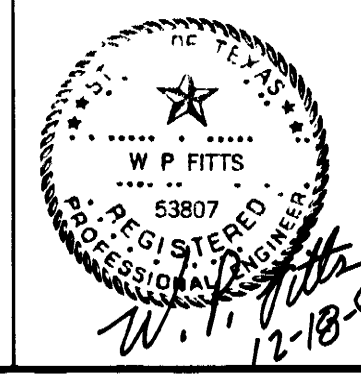
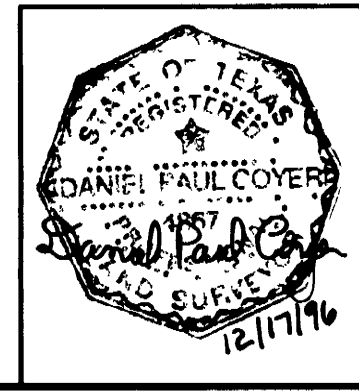
MATCH LINE 111+00.00
SEE SHEET (150)

CP # 96-018B



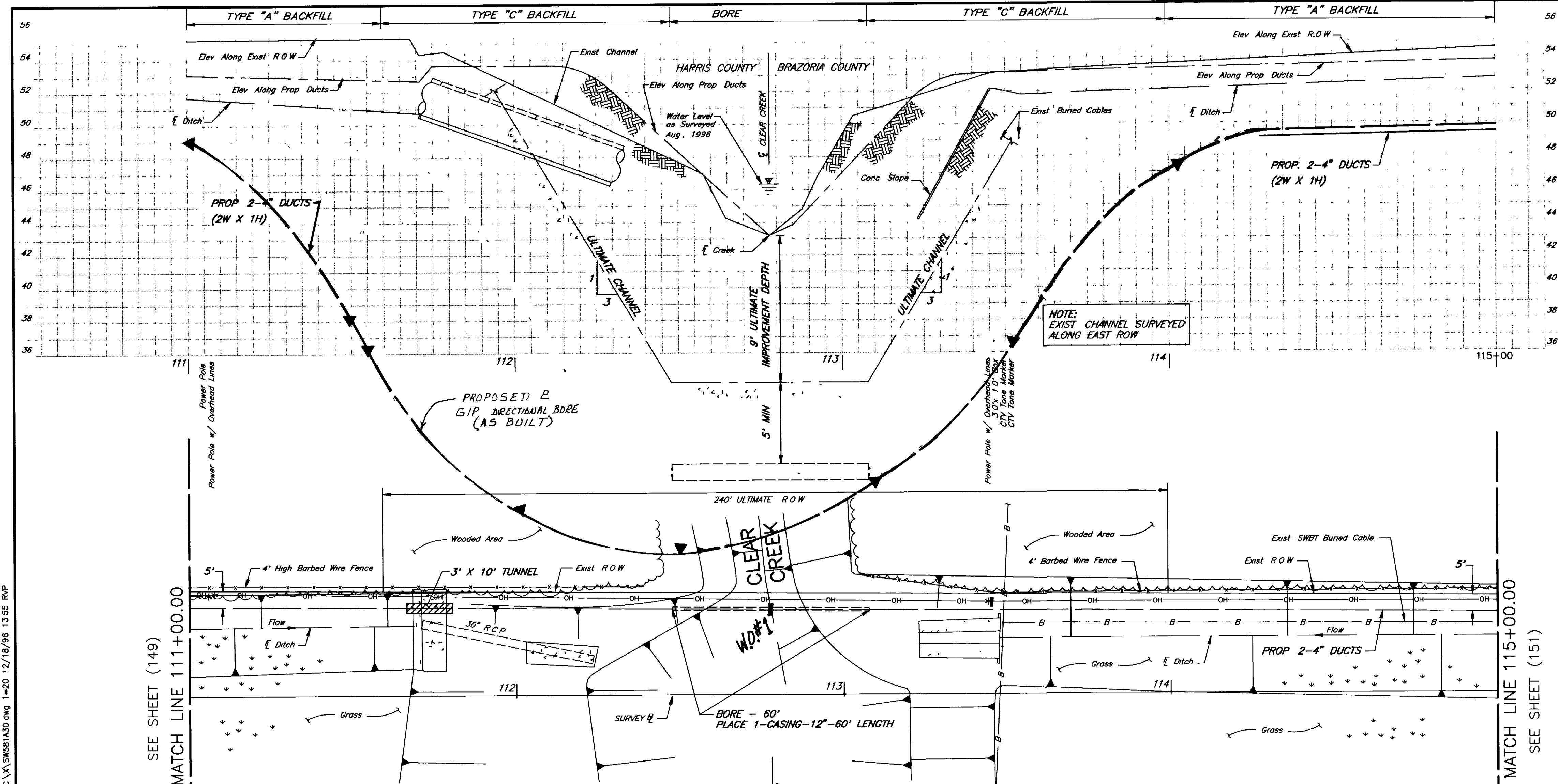
SH 288
HARRIS COUNTY, TEXAS

SCALE: PLAN 1"=20		PROFILE HORIZ 1"=20	PROFILE VERT 1"=4
PREPARED BY CONDUIT DISTRICT <i>W.P. Fitts</i>	AREA MANAGER ENG.		ISSUE DATE 12-23-96
APPROVAL MANAGER ENG. (DESIGN) <i>John Wilson</i>	AREA MGR. ENG. DESIGN		DIST. MGR. ENG.
JOB NO. AREA WK-4433	EST. NO. 0607386	DRAWN BY TAX. DIST.	SHEET 149
NO. 433		HG-029	

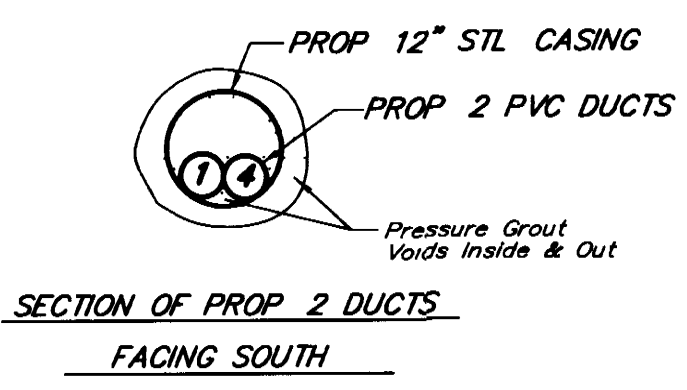
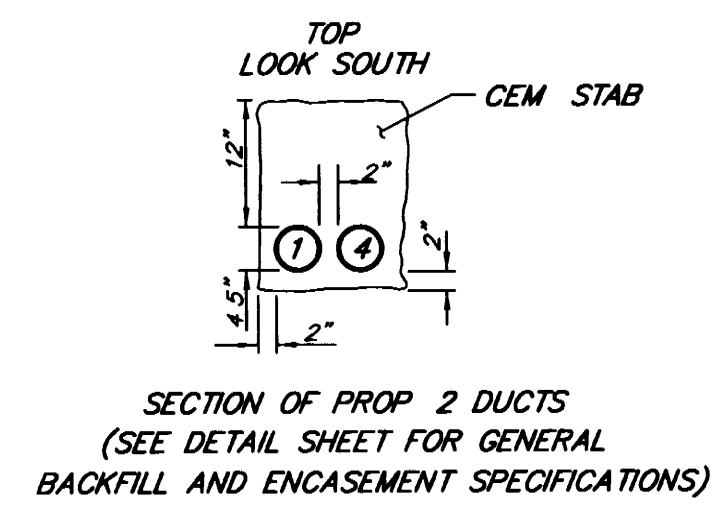


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FILE INFO C:\X\SW581A30.dwg 1=20 12/18/96 13:55 RVP

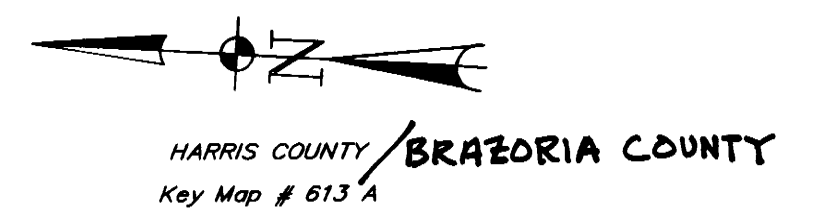
TSC ENGINEERING COMPANY
Engineers - Surveyors



BENCHMARK
TXDOT MON 307
TOP OF A BOX CHISELED IN THE TOP OF CURB LOCATED IN THE MEDIAN AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE SOUTH BOUND FRONTAGE ROAD OF S.H. 288 AND THE WEST BOUND FRONTAGE ROAD OF B.W. 8
PUBLISHED ELEV = 56.27 1978 ADJUSTMENT
TBM #7
TOP OF A RAILROAD SPIKE SET 1.5 FEET ABOVE NATURAL GROUND ON THE WEST SIDE OF POWER POLE #1460 WITH TRANSFORMER LOCATED ON THE EAST SIDE OF S.H. 288, BEING +/- 500 FEET SOUTH OF CLEAR CREEK (HARRIS/BRAZORIA COUNTY LINE), AND BEING +/- 1500 FEET NORTH OF THE INTERSECTION OF S.H. 288 AND McHARD ROAD
ESTABLISHED ELEV = 56.82 1978 ADJUSTMENT
B.L. STATION = 111+11 OFFSET = 67.2' LEFT



NOTE
THE LOCATION OF EXIST SWBT BURIED CABLE IS APPROXIMATE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION PRIOR TO ANY DIGGING AND/OR BORING



W/O # 1 TO PROP M.H. # 10939 (SHT 152)
PL 2-4" 'C'-PVC = 810' (1620 DU FT) (4C)

CP # 96-018B	
Southwestern Bell Telephone	
SH 288	
BRAZORIA AND HARRIS COUNTY, TEXAS	
SCALE PLAN 1"=20	PROFILE HORIZ 1"=20
PROFILE VERT 1"=4	ISSUE DATE
PREPARED BY CONDUIT DISTRICT <i>W.P. Fitts</i>	ISSUE DATE 12-23-96
APPROVED BY MANAGER ENG. (DESIGN) <i>John Edmon</i>	AREA MGR. ENG. DESIGN DIP-MGR-ENR
JOB NO.	EST NO. 0607386
AREA NO. WK-44.36	C.O. # 436
DRAWN BY	TAX DIST
HC-029	BL-014
SHEET 150	

