

RIVERSIDE



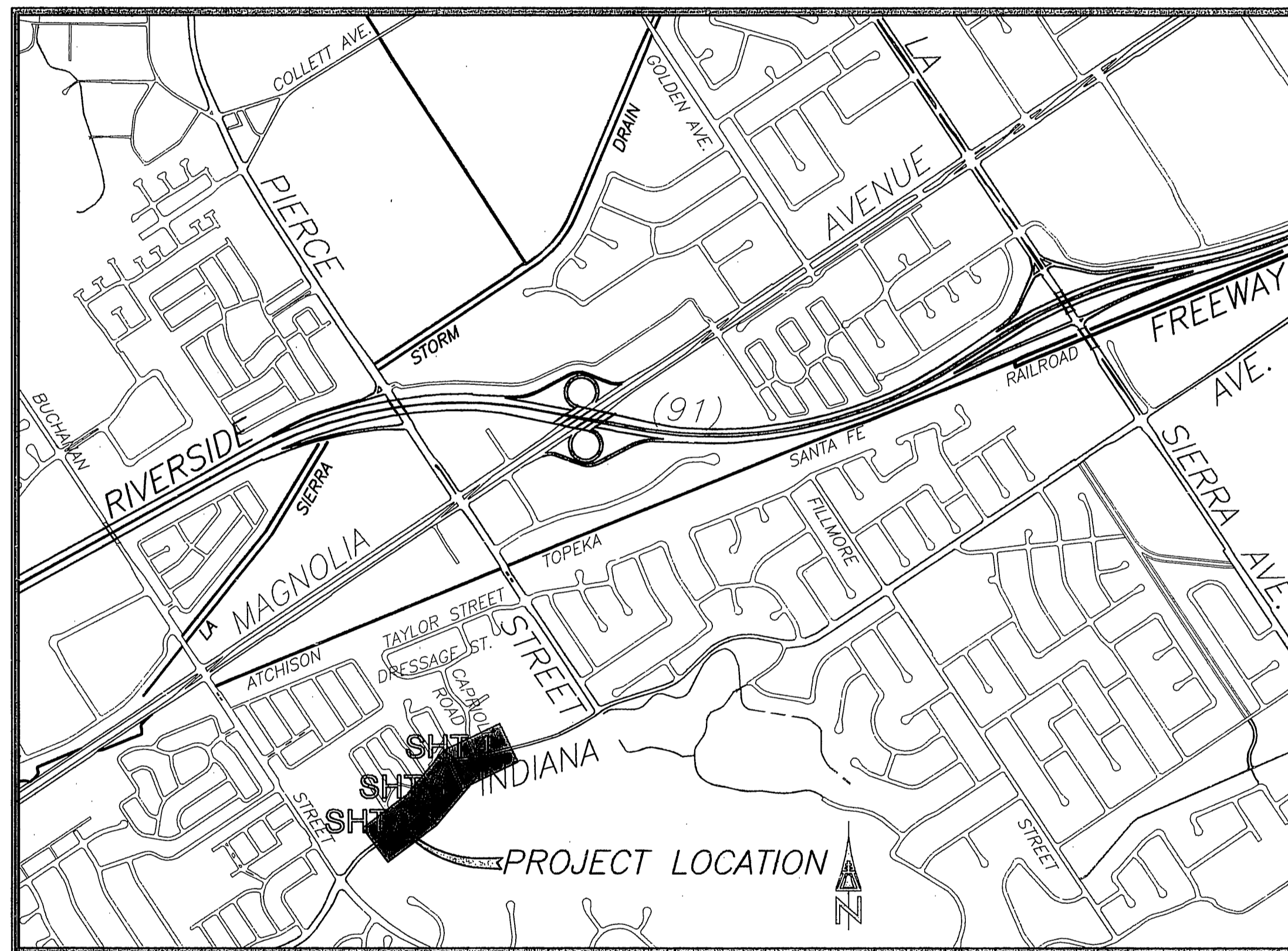
CALIFORNIA

PUBLIC WORKS DEPARTMENT INDIANA AVENUE REALIGNMENT

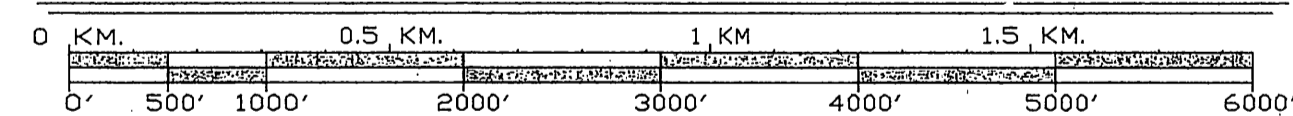
BUCHANAN STREET TO CAPRIOLE ROAD

PROJECT LENGTH : 0.30 MILES (1570')

T.I. = 7.0 INDIANA AVENUE
T.I. = 5.0 CAPRIOLE ROAD



PROJECT LOCATION MAP



SCALE: 1" = 1,000'

GENERAL CONSTRUCTION NOTES:

- 1 EXISTING UTILITIES SHOWN ON THE PLAN, ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
- 2 PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS "A", "C-32" LICENSE.
- 3 ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
- 4 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1991 EDITION, INCLUDING 1992 SUPPLEMENTS.
- 5 CONFLICTING UTILITIES IN THE CONSTRUCTION AREA SHALL BE RELOCATED OR ABANDONED.

NOTE: 1. FOR UNDERGROUND ELECTRIC & STREET LIGHTING, REFER TO CITY OF RIVERSIDE P.U.D.-ELECTRIC DWG. # LS-1090.

SPECIFIC CONSTRUCTION NOTES:

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED. ALL OTHER DESIGNATIONS ARE DEFINED AS NOTED.
- 302 I/M CONSTRUCT D/W APPROACH PER STD 302 TYPE IV MODIFIED AS SHOWN ON PLAN.
- 304 M CONSTRUCT WHEELCHAIR RAMP PER STD 304 MODIFIED AS SHOWN ON PLAN.
- 220 M CONSTRUCT CROSS GUTTER AND SPANDREL PER STD 220 MODIFIED AS SHOWN ON PLAN.
- 411 M CONSTRUCT UNDER S/W DRAIN, PER STD 411 MODIFIED, TO BACK OF S/W AS SHOWN ON PLAN.
- A87 E A.C. DIKE PER STATE OF CALIFORNIA, CALTRANS, STANDARD PLANS, 1992 EDITION. A87 TYPE E.
- ADJ ADJUST MANHOLE TO FINISHED PAVEMENT GRADE.
- 1 REMOVE & RELOCATE EXISTING 6' HIGH CHAIN LINK FENCE TO TOP OF CANAL SLOPE.
- 2 REMOVE EXISTING CONCRETE CANAL, FILL AND GRADE TO DRAIN.

CONSTRUCTION LEGEND:

- PIP PROTECT IN PLACE.
- CH 330 STORM CHANNEL ACCESS RAMP PER RIVERSIDE COUNTY FLOOD CONTROL STANDARD DRAWINGS, NO. 330.
- S1 0.67 CONSTRUCT STRUCTURAL SECTION OF 0.67' A.C. OVER COMPACTED NATIVE MATERIAL.
- S2 0.44 CONSTRUCT STRUCTURAL SECTION OF 0.44' A.C. OVER COMPACTED NATIVE MATERIAL.
- S3 0.33 CONSTRUCT STRUCTURAL SECTION OF 0.33' A.C. OVER COMPACTED NATIVE MATERIAL.
- OL VAR CONSTRUCT VARIABLE THICKNESS DGAC OVERLAY.
- T TRANSPLANT TREE WITHIN R/W. SEE SPECIAL PROVISIONS FOR TREE DIA. AND CLASS INVOLVED.
- R III REMOVE TREE. SEE SPECIAL PROVISIONS FOR TREE DIA. AND CLASS INVOLVED.

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	8"S	TELEPHONE CONDUIT	T
WATER LINE	6"W	ELECTRICAL CONDUIT	E
STORM DRAIN	24"SD	ELECTROLIER LIGHTING CONDUIT	ELC
GAS LINE	3"G	TRAFFIC SIGNAL	SIG
ABANDONED UTILITY	6"G(ABAN'D.)	FIRE ALARM	F

EXISTING TOPOGRAPHY:

BLOCK WALL	TOP OF SLOPE
BOARD FENCE	TOE OF SLOPE
WIRE FENCE	DIRECTION OF FLOW
CHAIN LINK FENCE	

5 SANITARY SEWER M.H.	POLE & GUY ANCHOR	PPB PEDESTRIAN PUSH BUTTON
5 SANITARY SEWER CLEANOUT	PP POWER POLE	RAILROAD TRACKS
11 STORM DRAIN M.H.	OT TELEPHONE POLE	RAILROAD SIGN
11 IRRIGATION WEIR	OT TELEPHONE RISER	RAILROAD SIGNAL
11 WATER M.H.	OU JOINT USE POLE	TRAFFIC SIGNAL
11 GAS M.H.	P PULL BOX	TRAFFIC SIGNAL ON MAST ARM
11 ELECTRIC M.H.	T TRAFFIC SIGN	TRAFFIC SIGNAL CONTROLLER
11 TELEPHONE M.H.	P PARKING METER	TRAFFIC SIGNAL PRESSURE DETECTOR
11 WATER METER	F FIRE ALARM BOX	TRAFFIC SIGNAL LOOP DETECTOR
11 FIRE HYDRANT	S STREET NAME SIGN	STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
11 SPRINKLER HEAD	G GAS METER	STREET LIGHT (UPRIGHT)
11 VALVE	M MAIL BOX	STREET LIGHT ON MAST ARM
11 AIR VALVE	F FAUCET	STEEL POST
11 AIR VENT	W WALK-DON'T WALK PEDESTRIAN SIGNAL	WOOD POST
11 BUS STOP SIGN	E ELECTRICAL TEST STATION	
11 BLOW-OFF VALVE	W WHEEL STOP	
11 IRRIGATION STAND PIPE	A.C. BERM	
BUILDING		



ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. No. 39441 expires 12/31/97
DATE 4/20/94

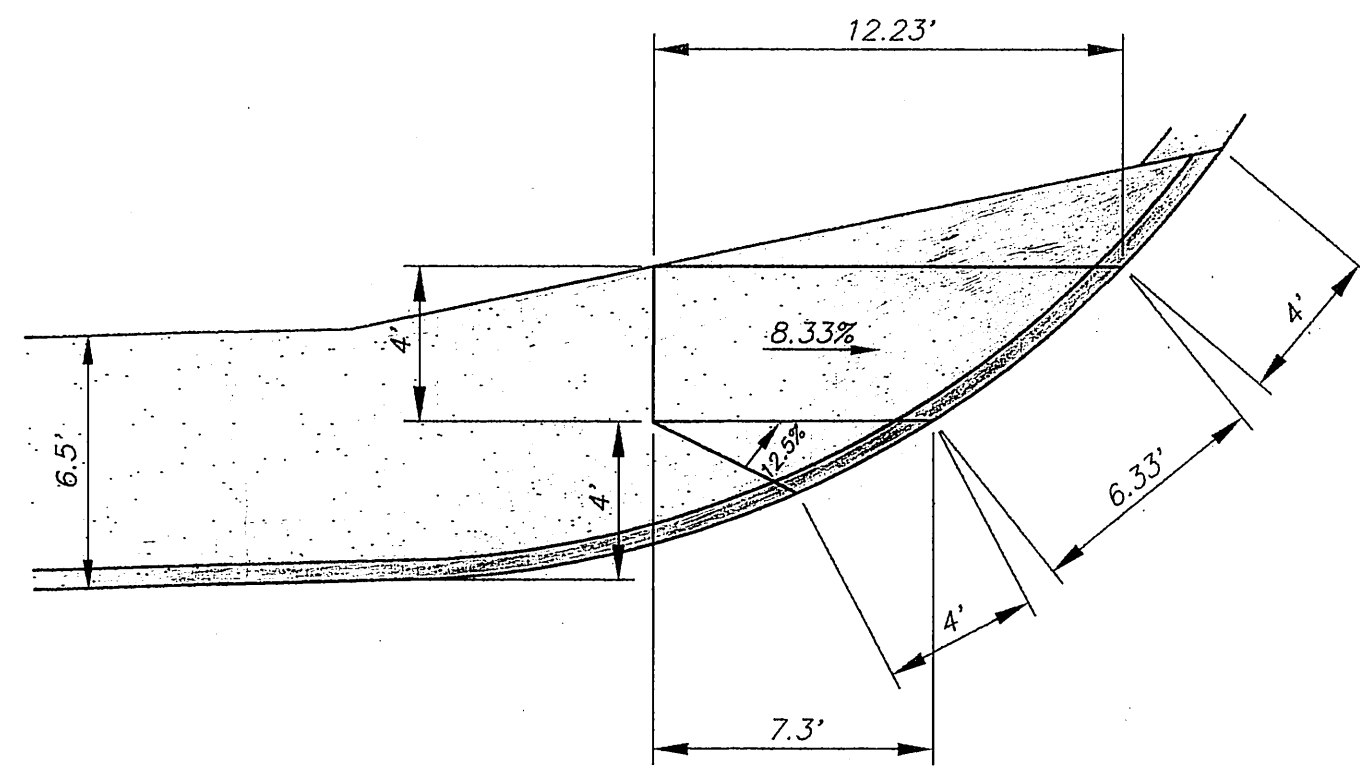
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MARK	REVISIONS	APPR.	DATE		

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

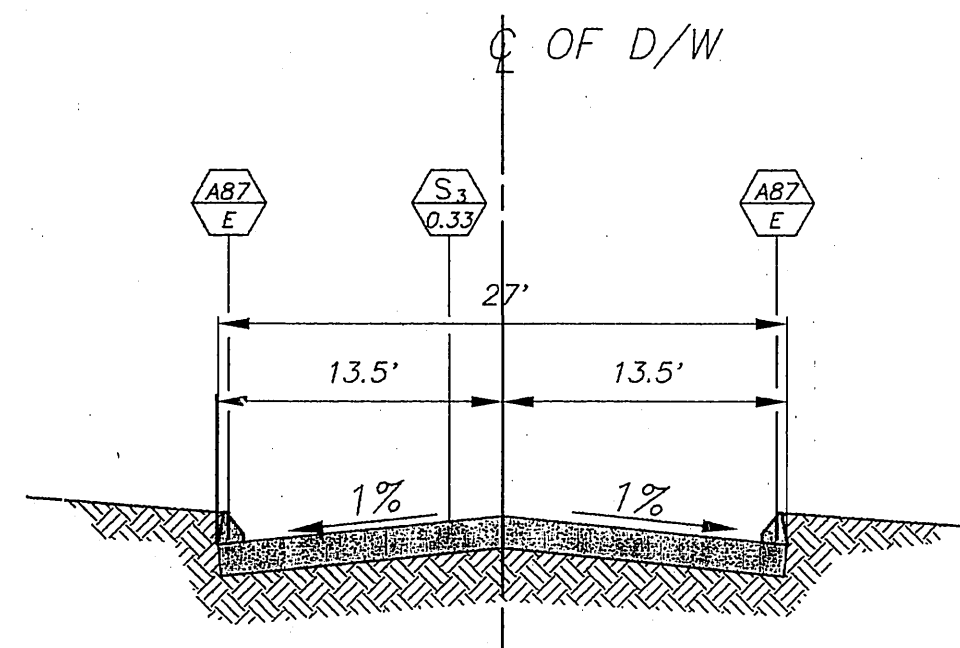
APPROVED BY	BY	DATE	APPROVED BY
DEPUTY P.W. DIRECTOR			
PRINCIPAL ENGINEER			
CHIEF P.W. INSPECTOR			
TRAFFIC DIVISION SURVEYOR			
STREET SERVICES			
PARKS DEPARTMENT			

INDIANA AVENUE
REALIGNMENT
BUCHANAN TO CAPRIOLE

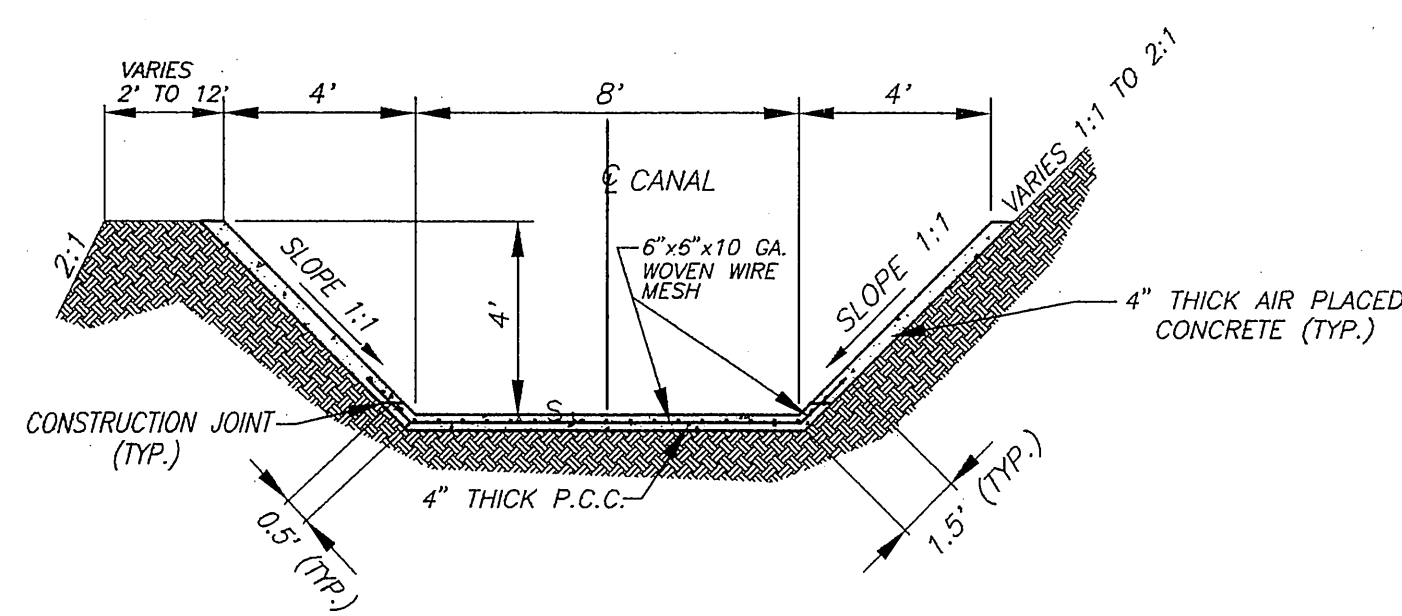
ACCT. NO.:
430-541500-44022-30132
432-541500-440302-30132
R-3279
SHEET 1 OF 6
FILE NO.



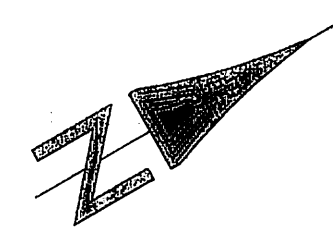
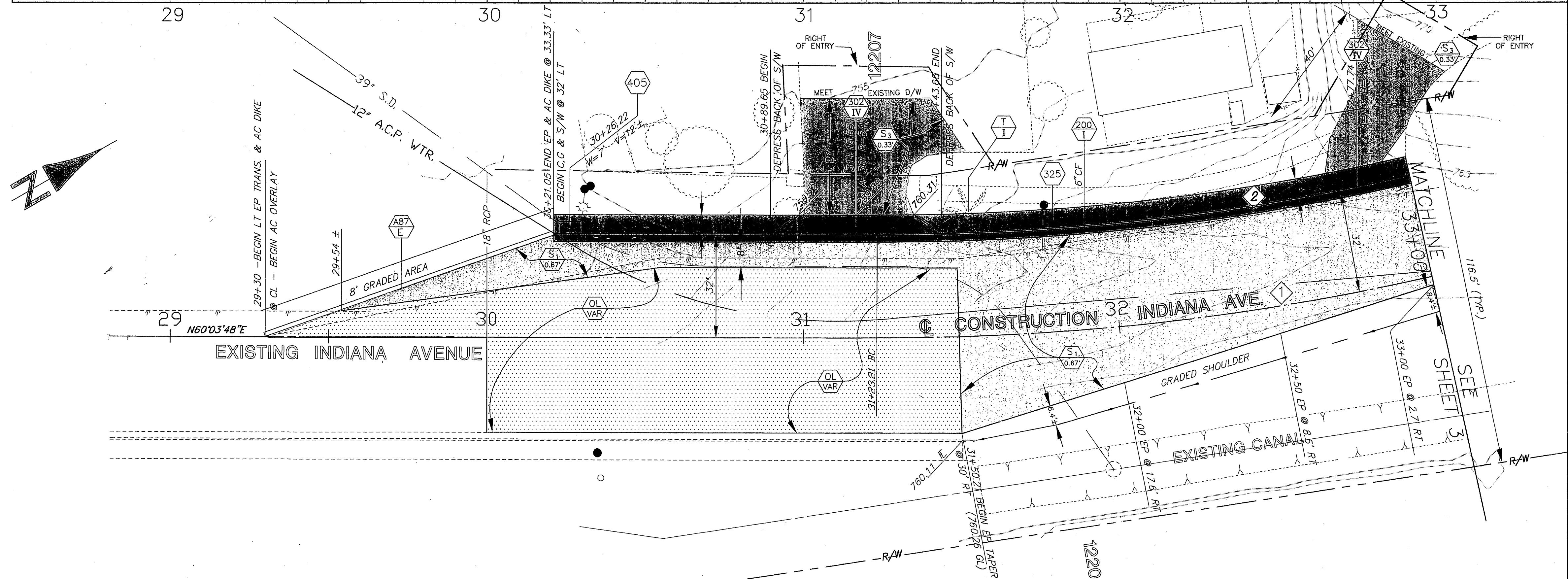
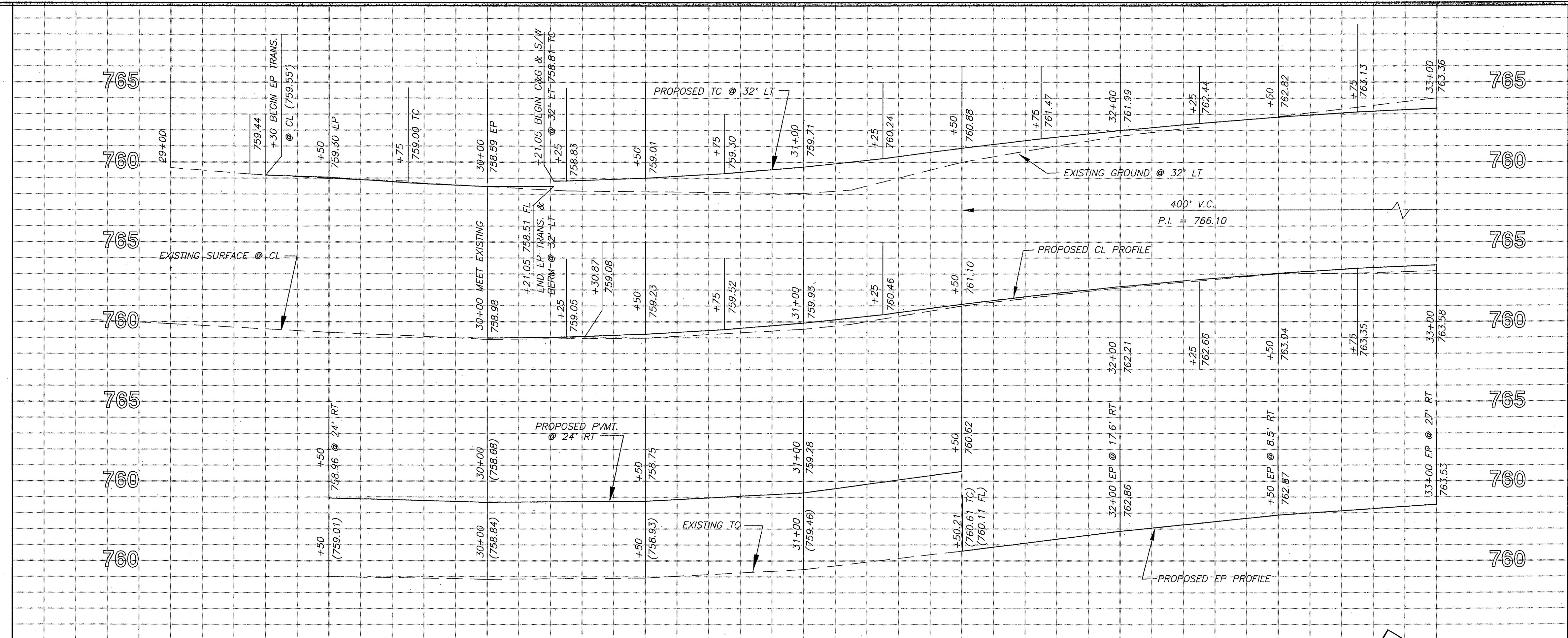
304 M **MODIFIED WHEELCHAIR RAMP**
SCALE: 1"=5'



TYPICAL D/W SECTION
(STATION 36+33.40)
SCALE=HOR. 1"=10'; VER. 1"=2'



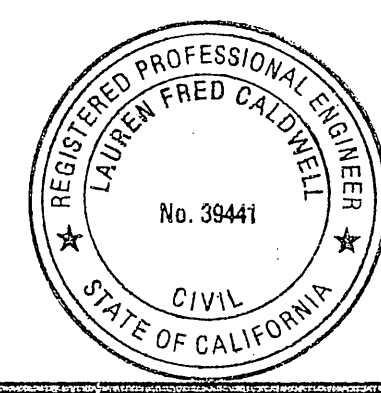
STORM CHANNEL SECTION A-A
SCALE: 1"=4'



IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID, Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-422-4133

BENCHMARK
P.K. NAIL AND CITY ENGINEER TAG IN E'LY CURB OF CAPRIOLE RD. 112' N'LY OF THE ORIGINAL CL INDIANA AVE. 3' S'LY OF LOT LINE PRODUCED OF LOTS 14 & 15 PER CITY PLAN R-2878, SH-1.
ELEVATION 745.77

CURVE DATA				
Δ	R	L	T	
1	18' 27" 44"	800'	257.78'	130.02'
2	18' 27" 44"	768'	247.47'	124.82'

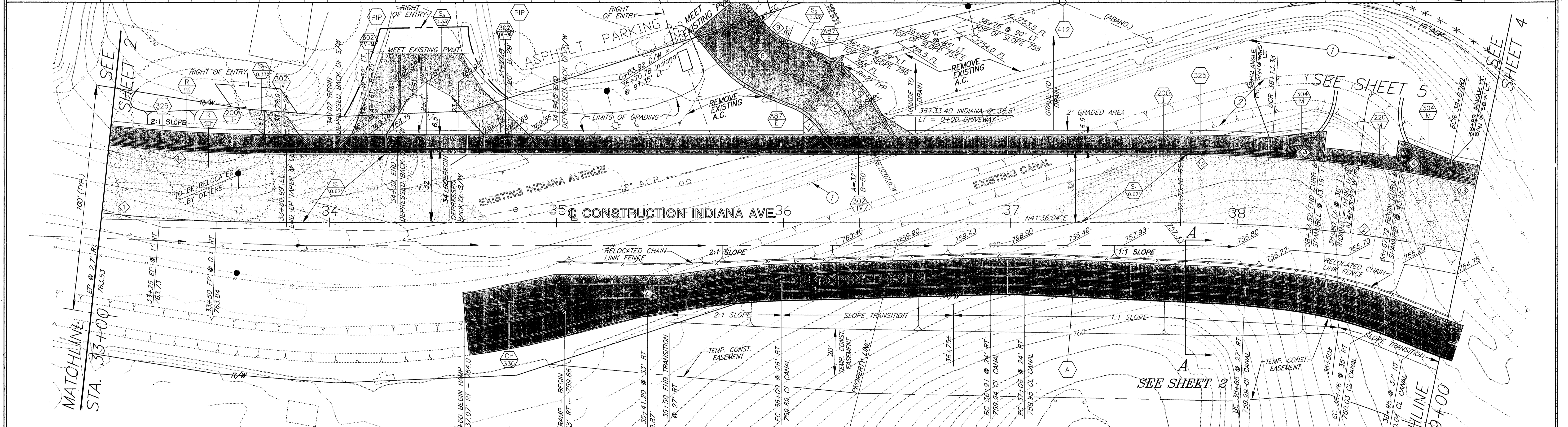
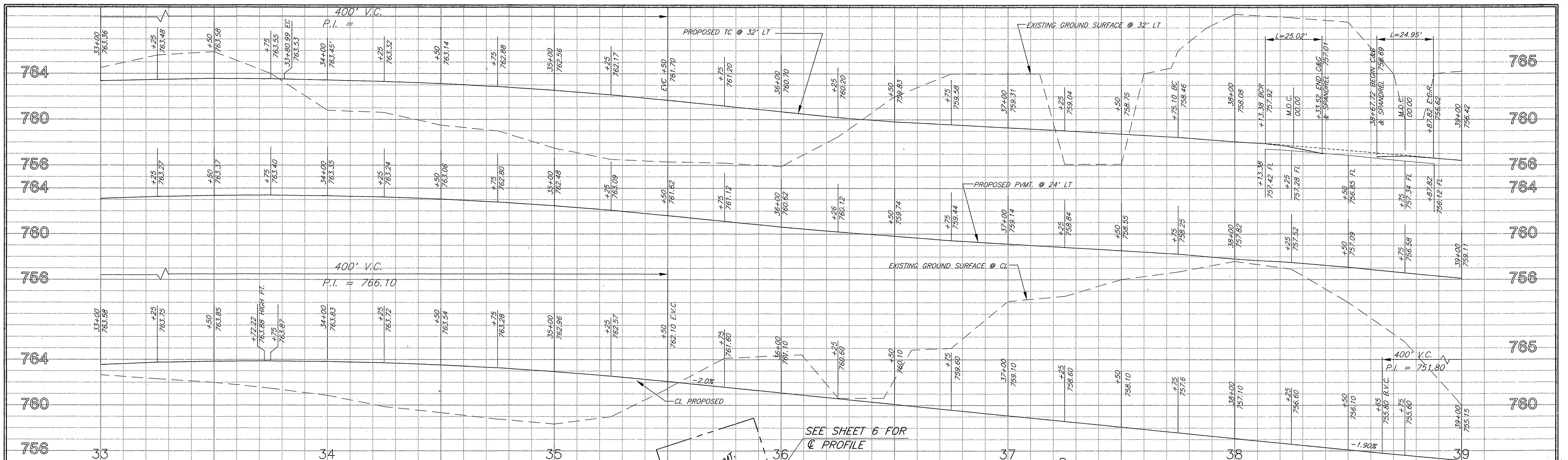


ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. No. 39441 expires 12/31/97
DATE 4/20/94

MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
DATE: 4/22/94
PUBLIC WORKS DIRECTOR

INDIANA AVENUE REALIGNMENT
BUCHANAN TO CAPRIOLE
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'
ACCT. NO.: 432-541500-440302-30132
430-541500-440222-30132
R-3279
SHEET 2 OF 6
FILE NO.



BENCHMARK
 P.K. NAIL AND CITY ENGINEER TAG IN
 E'LY CURB OF CAPRIOLE RD. 112' N'LY
 OF THE ORIGINAL CL INDIANA AVE. 3'
 S'LY OF LOT LINE PRODUCED OF LOTS
 14 & 15 PER CITY PLAN R-2878, SH-1.
ELEVATION 745.77

CURVE DATA				
Station	Δ	R	L	T
1	18° 27' 44"	800'	257.78'	130.02'
2	33° 47' 57"	600'	353.94'	182.29'
3	53° 10' 16"	27'	25.02'	13.51'
4	52° 55' 24"	27'	24.94'	13.44'
5	38° 02' 11"	40'	26.55'	13.79'
6	29° 29' 48"	40'	20.59'	10.53'
7	38° 02' 11"	26.5'	17.59'	9.13'
8	29° 29' 48"	53.5'	27.54'	14.08'
9	29° 29' 48"	26.5'	13.64'	6.98'
10	38° 02' 11"	53.5'	35.52'	18.44'
11	18° 27' 44"	768'	274.47'	124.82'
12	03° 39' 20"	632'	40.32'	20.17'
13	12° 31' 16"	632'	138.11'	69.33'

- NOTES**
- RELOCATE EXISTING 6' HIGH CHAIN LINK FENCE TO TOP OF CANAL SLOPE.
 - REMOVE EXISTING CANAL.



ENGINEER IN RESPONSIBLE CHARGE
 Lauren F. Caldwell
 R.C.E. No. 39441 expires 12/31/97
 DATE 4/20/94

MARK	REVISIONS	APPR.	DATE

**CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT**

APPROVED BY: [Signature]
 PUBLIC WORKS DIRECTOR

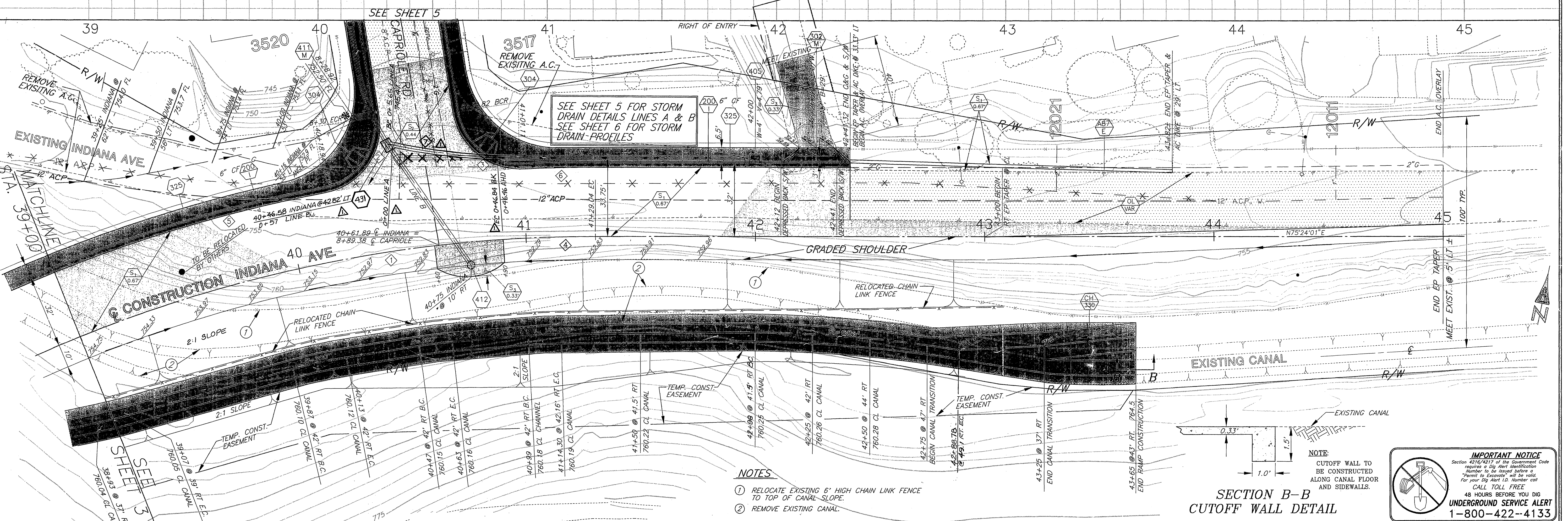
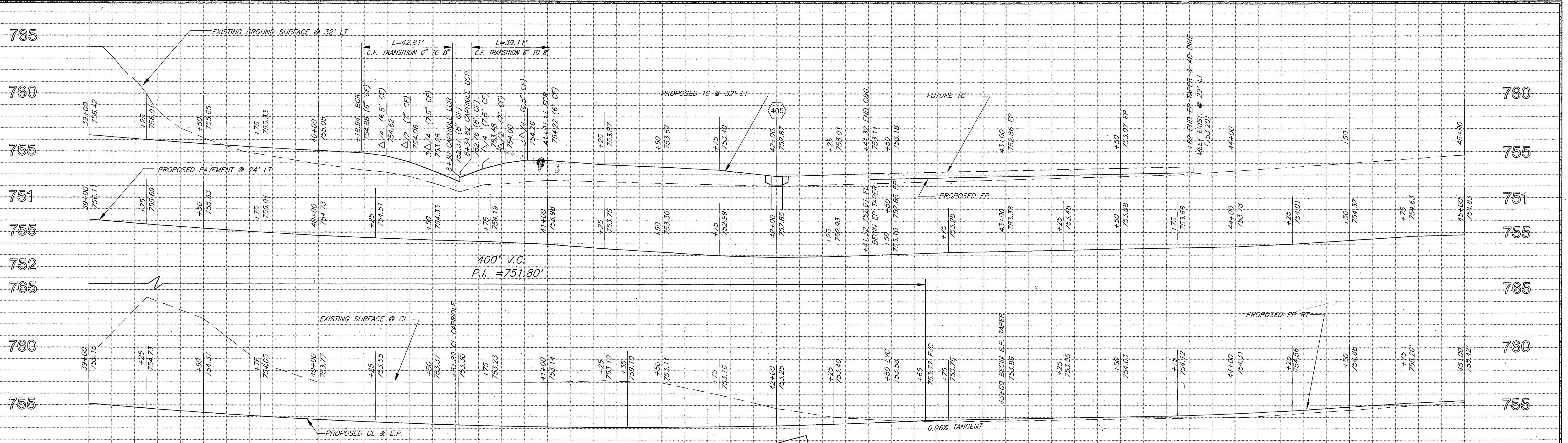
DATE: 4/22/94

**INDIANA AVENUE
 REALIGNMENT
 BUCHANAN TO CAPRIOLE**

HORIZ. SCALE: 1" = 20'
 VERT. SCALE: 1" = 4'

ACCT. NO.: 432-541500-440302-30132
 430-541500-440222-30132
R-3279
 SHEET 3 OF 6
 FILE NO.

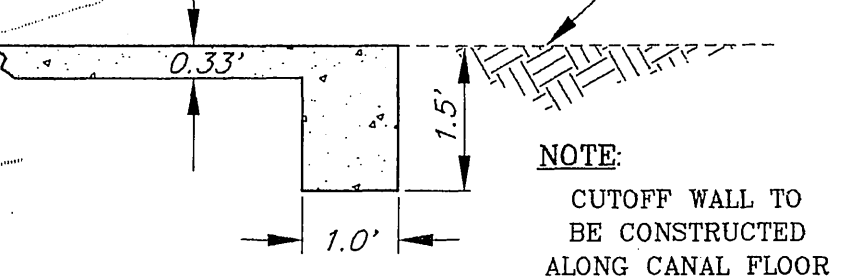
IMPORTANT NOTICE
 Section 4216.4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Payment to Excavate" will be valid. For your Dig Alert ID, Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-422-4133



SEE SHEET 5 FOR STORM DRAIN DETAILS LINES A & B
SEE SHEET 6 FOR STORM DRAIN PROFILES

- NOTES**
- RELOCATE EXISTING 6' HIGH CHAIN LINK FENCE TO TOP OF CANAL SLOPE.
 - REMOVE EXISTING CANAL.

**SECTION B-B
CUTOFF WALL DETAIL**



NOTE:
CUTOFF WALL TO BE CONSTRUCTED ALONG CANAL FLOOR AND SIDEWALLS.

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Section 4116/4217 of the Government Code requires a Dig Alert identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-422-4133

BENCHMARK
P.K. NAIL AND CITY ENGINEER TAG IN ELY CURB OF CAPRIOLE RD. 112' N'LY OF THE ORIGINAL CL INDIANA AVE. 3' S'LY OF LOT LINE PRODUCED OF LOTS 14 & 15 PER CITY PLAN R-2878, SH-1. ELEVATION 745.77

CURVE DATA				
Station	Δ	R	L	T
1	33° 47' 57"	600'	353.94'	182.29'
2	90° 51' 03"	27'	42.81'	27.40'
3	83° 00' 12"	27'	39.11'	23.89'
4	06° 24' 44"	600'	67.15'	33.61'
5	12° 31' 16"	632'	138.11'	69.33'
6	02° 40' 02"	632'	29.42'	14.71'
7	09° 26' 26"	250'	41.19'	20.64'



ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. No. 39441 expires 12/31/97
DATE: 4/20/94

MARK	REVISIONS	APPR.	DATE
	Moved junction structure and realigned a portion of Line A. 12" ACP and 2' G redrawn in correct location.		4/20/94

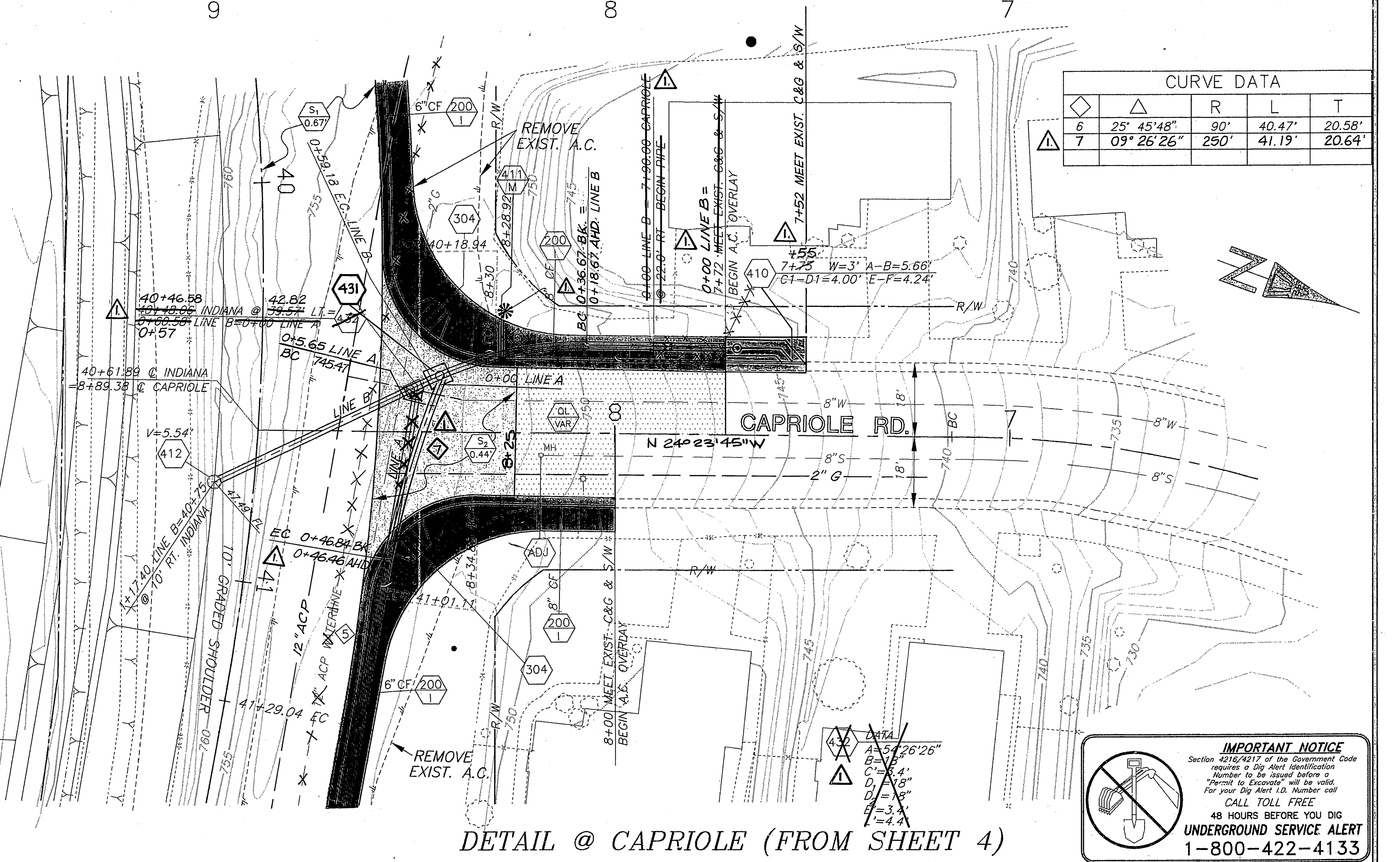
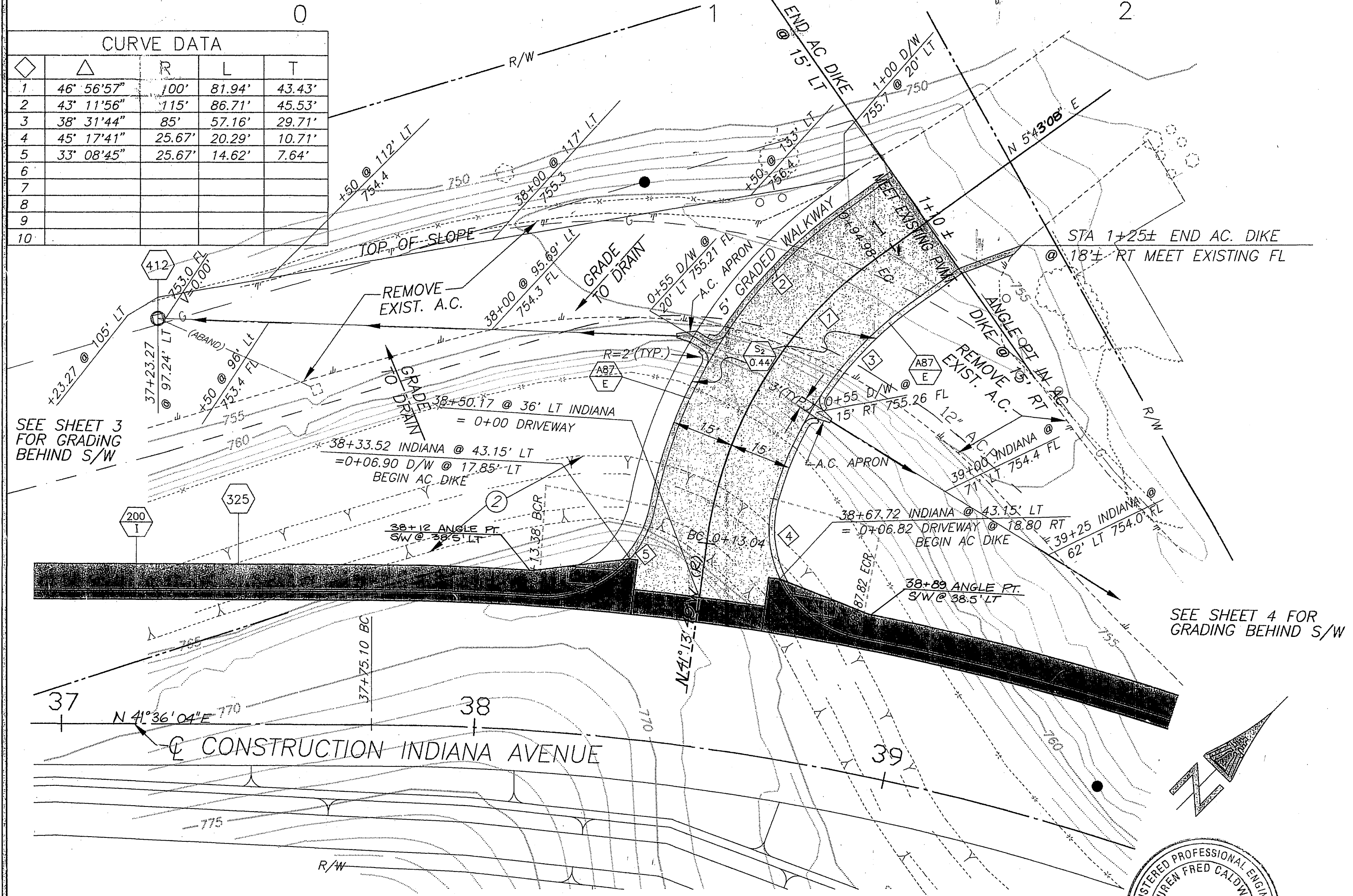
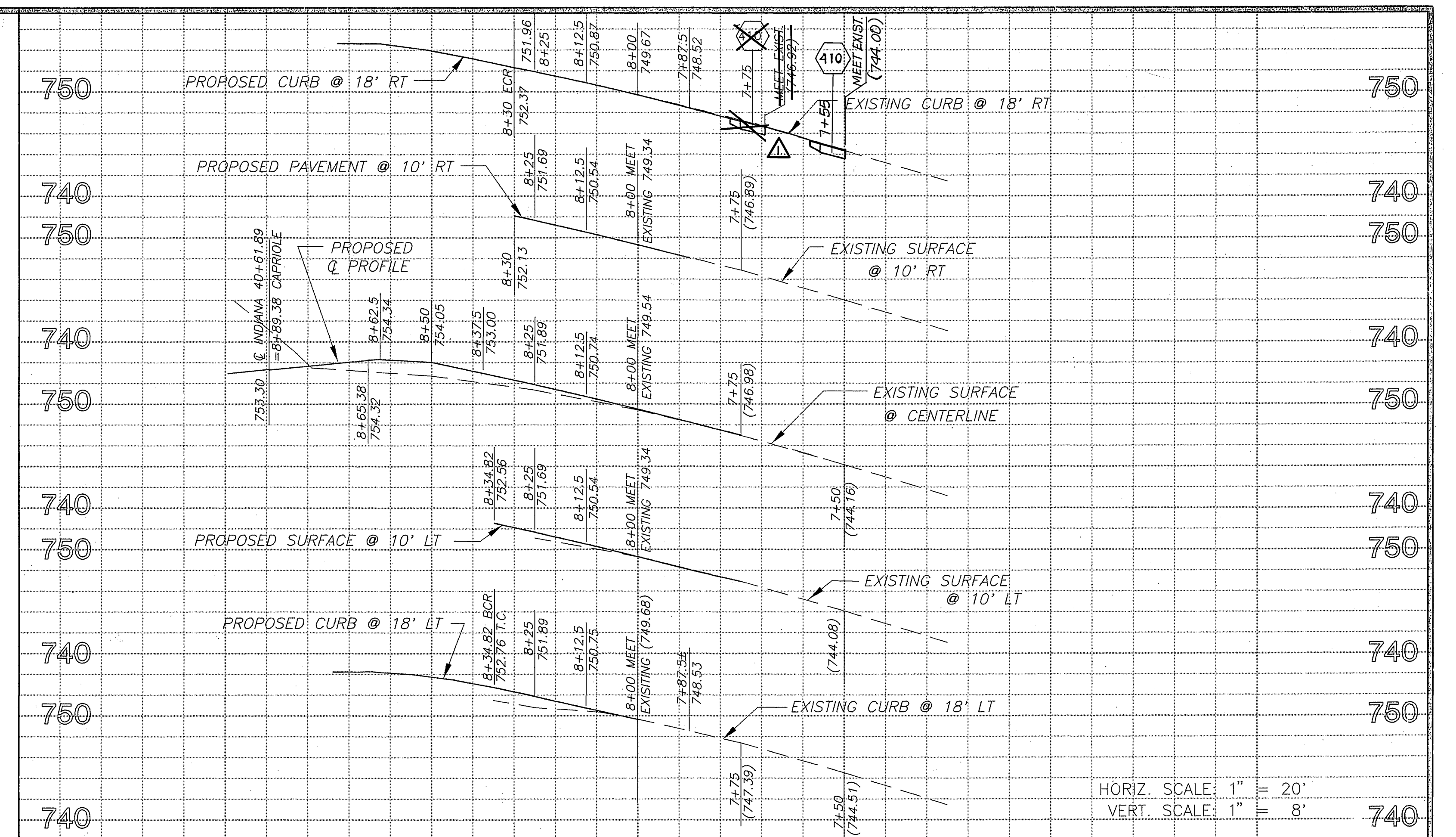
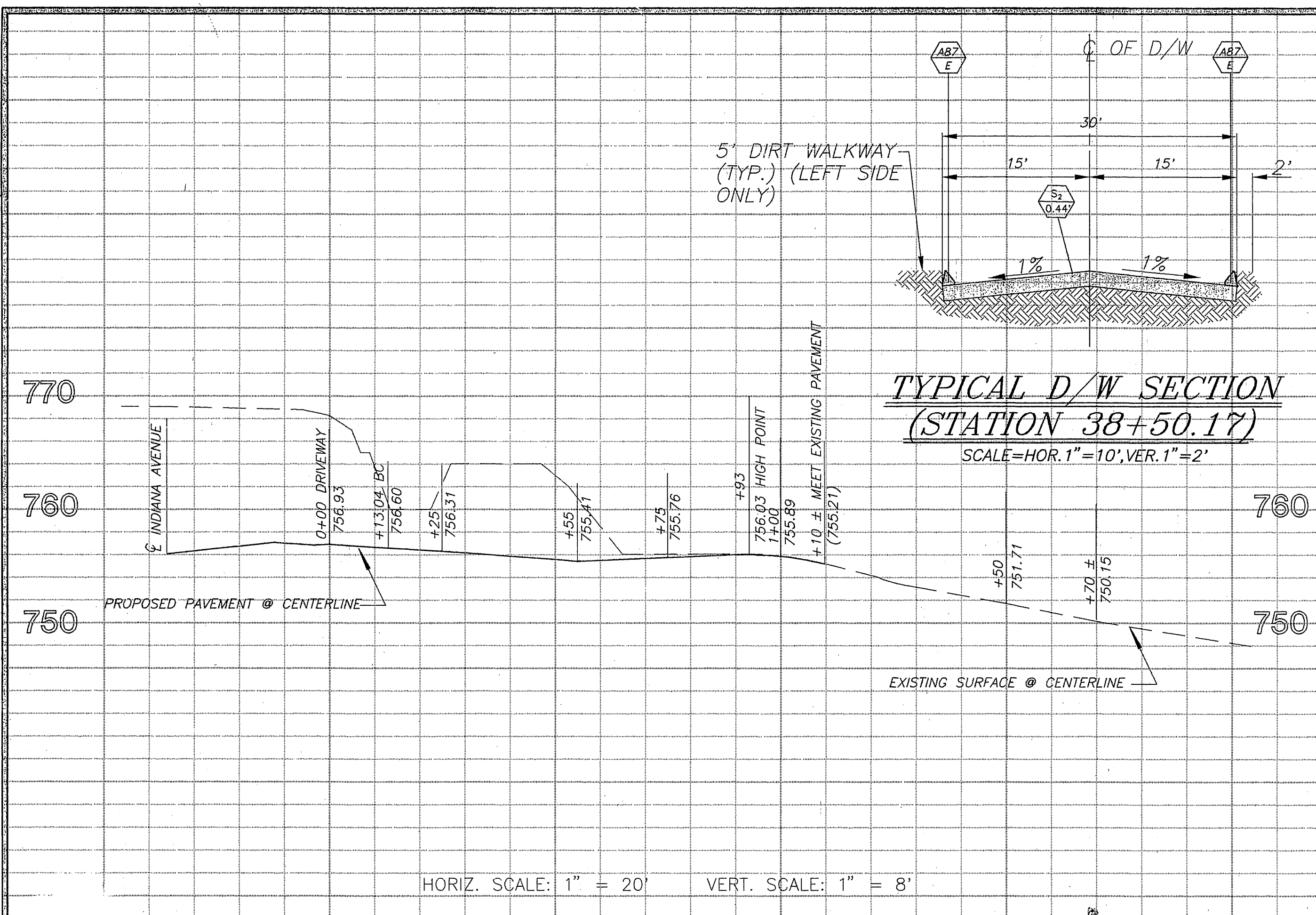
**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

APPROVED BY: [Signature]
DEPUTY P.W. DIRECTOR
PRINCIPAL ENGINEER
CHIEF P.W. INSPECTOR
TRAFFIC DIVISION
SURVEYOR
STREET SERVICES
PARKS DEPARTMENT

DATE: 4/29/94

**INDIANA AVENUE
REALIGNMENT
BUCHANAN TO CAPRIOLE**

ACCT. NO. 436-341500-440302-30132
436-341500-440223-30132
R-3279
SHEET 4 OF 6
FILE NO.



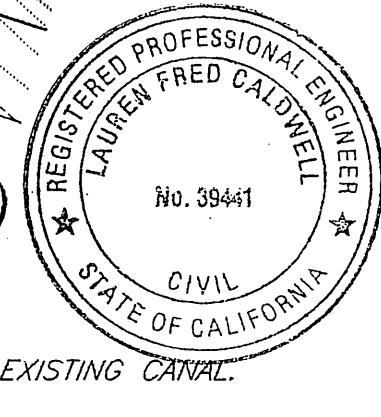
Δ	R	L	T	
1	46° 56' 57"	100'	81.94'	43.43'
2	43° 11' 56"	115'	86.71'	45.53'
3	38° 31' 44"	85'	57.16'	29.71'
4	45° 17' 41"	25.67'	20.29'	10.71'
5	33° 08' 45"	25.67'	14.62'	7.64'
6				
7				
8				
9				
10				

Δ	R	L	T	
6	25° 45' 48"	90'	40.47'	20.58'
7	09° 26' 26"	250'	41.19'	20.64'

BENCHMARK
P.K. NAIL AND CITY ENGINEER TAG IN ELY CURB OF CAPRIOLE RD. 112' NLY OF THE ORIGINAL CL INDIANA AVE. 3' SLY OF LOT LINE PRODUCED OF LOTS 14 & 15 PER CITY PLAN R-2878, SH-1.
ELEVATION 745.77

D/W DETAIL @ STA. 38+50.17 (FROM SHEET 3)

NOTES
② REMOVE EXISTING CANAL.



ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. No. 39441 expires 12/31/97
DATE 4/20/94

Changed junction structure to Std. 431.
Moved junction structure and realigned a portion of Line A. Moved outlet Std. 410.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
DATE: 4/24/94

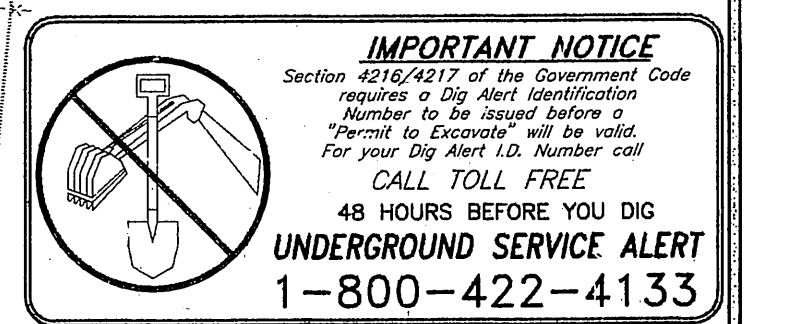
INDIANA AVENUE
FROM
BUCHANAN TO CAPRIOLE

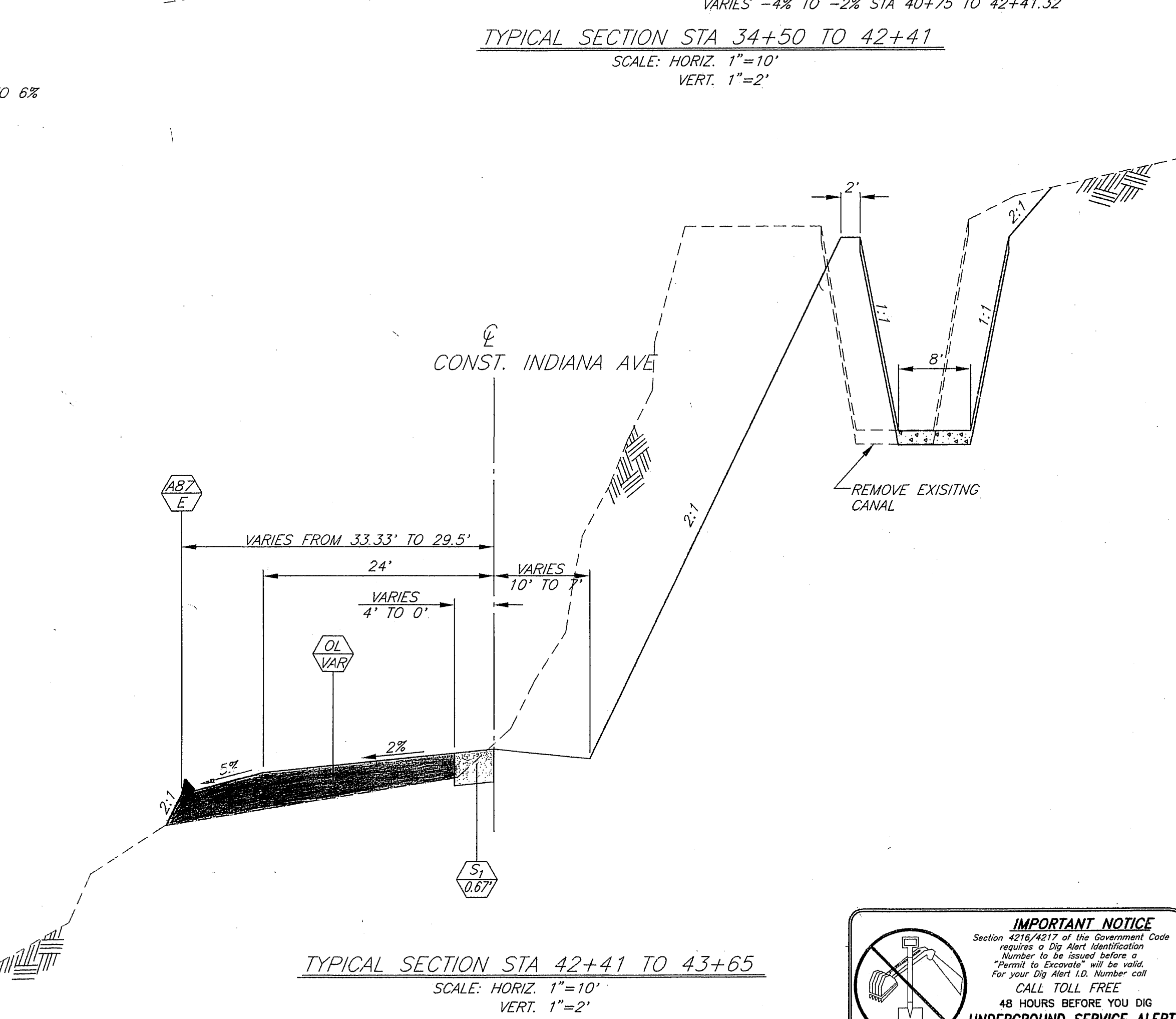
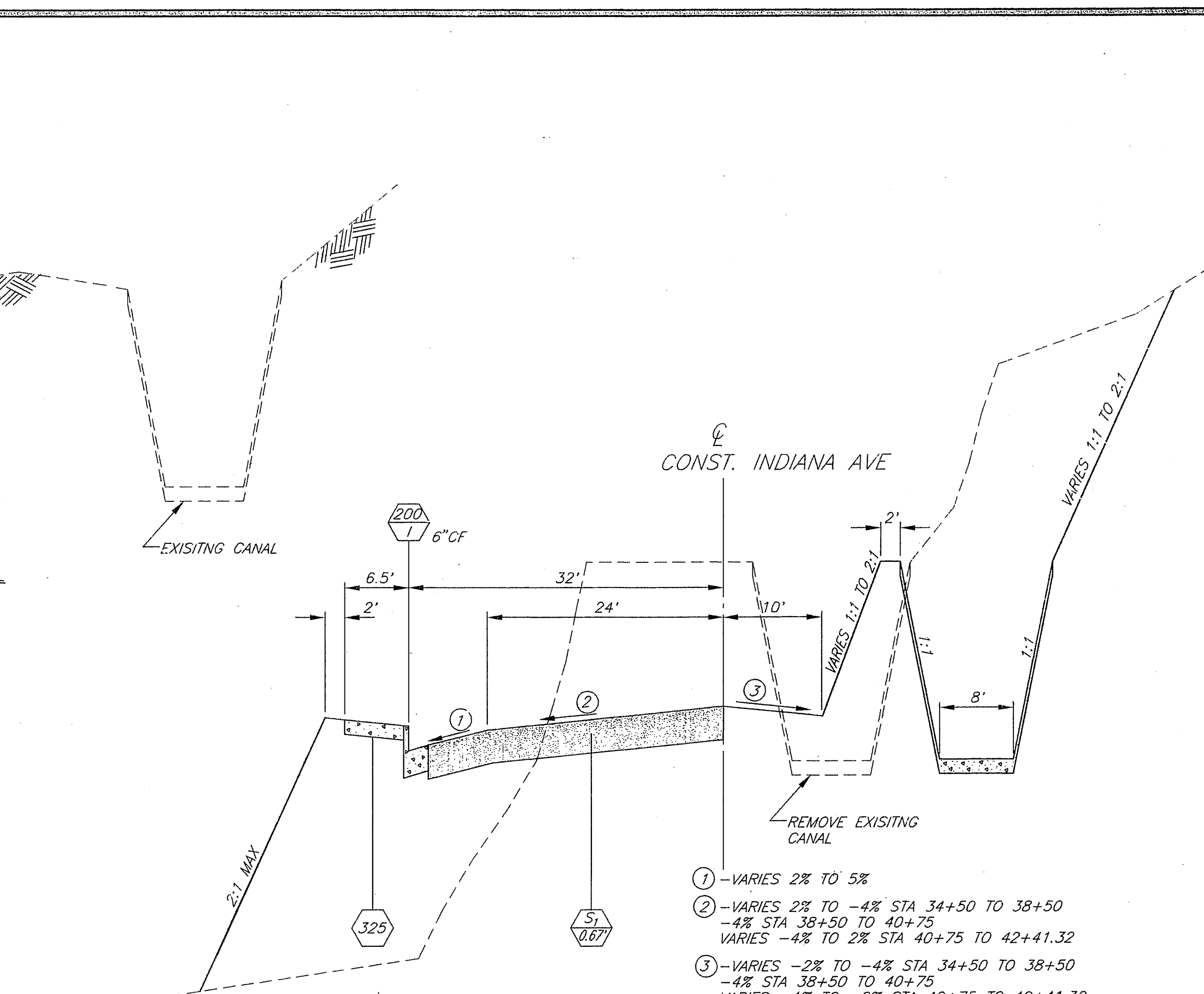
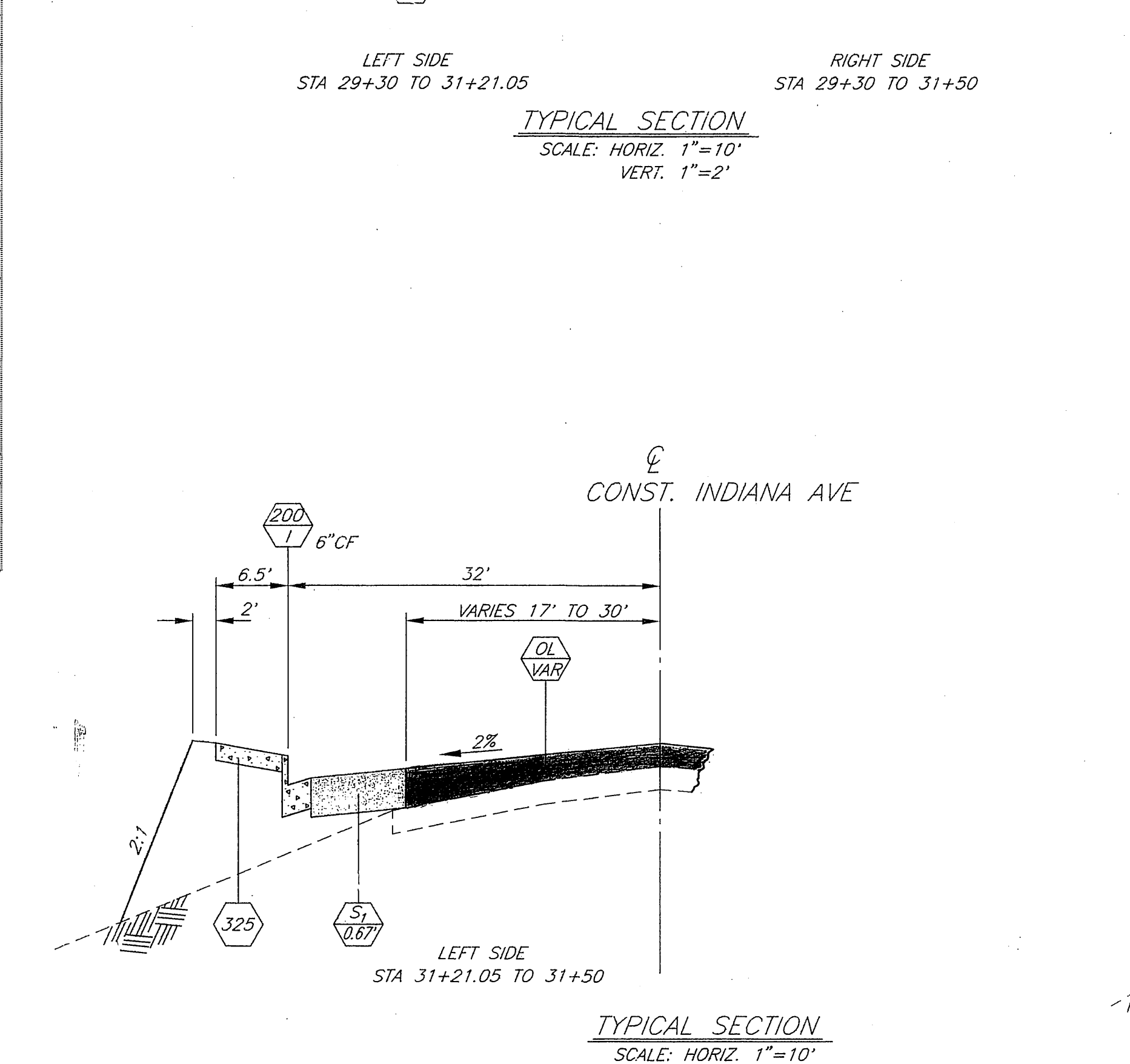
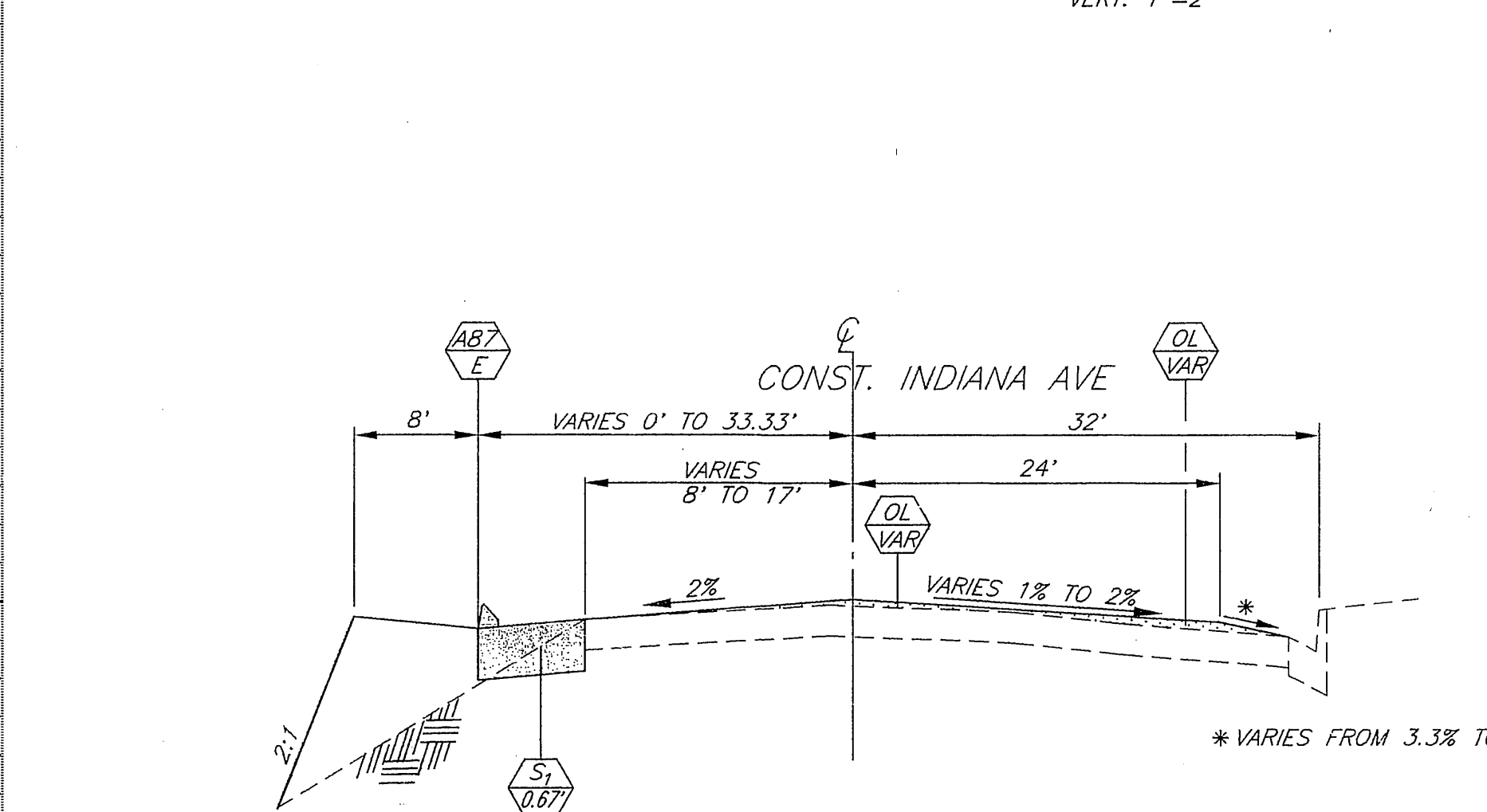
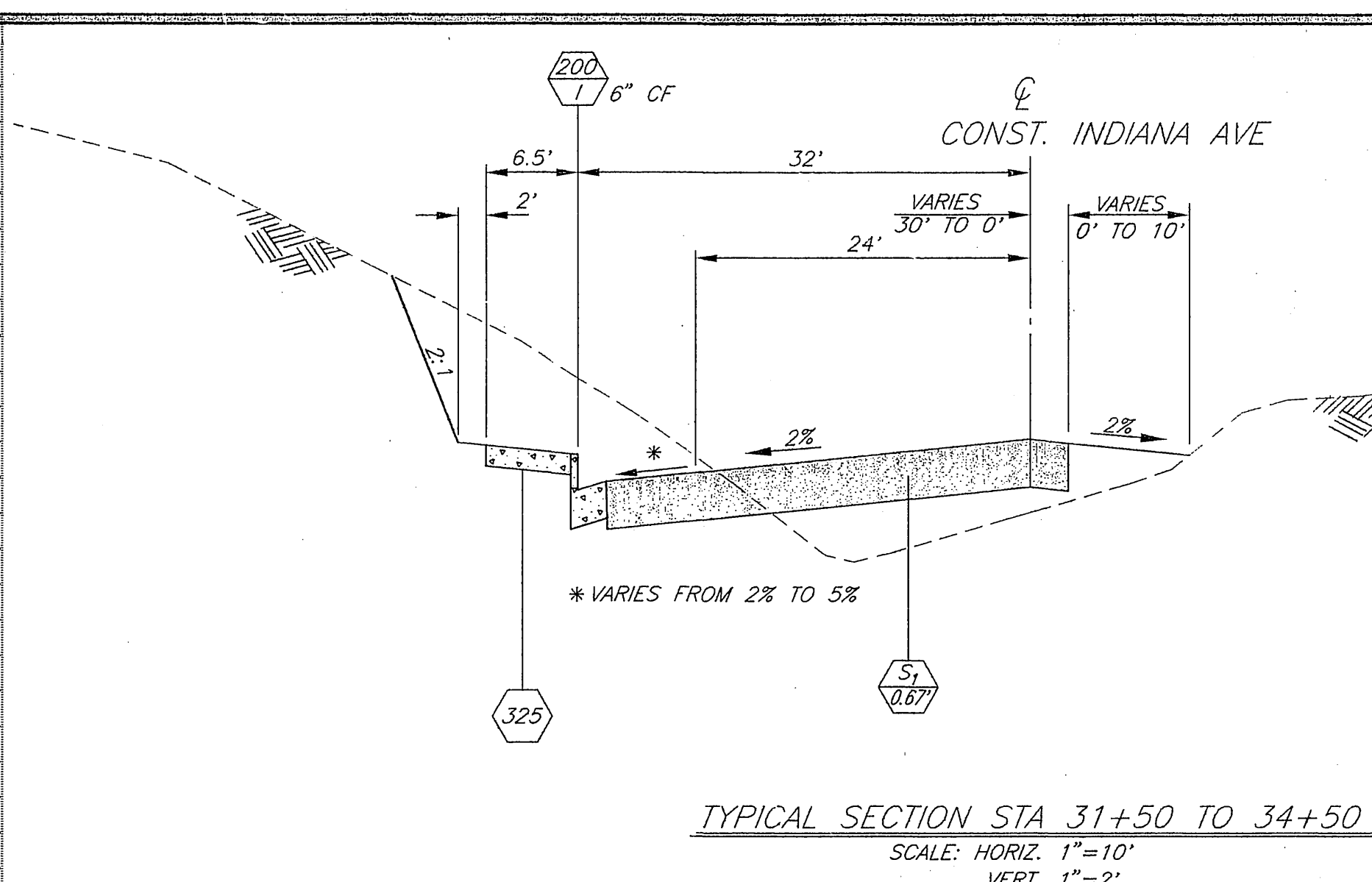
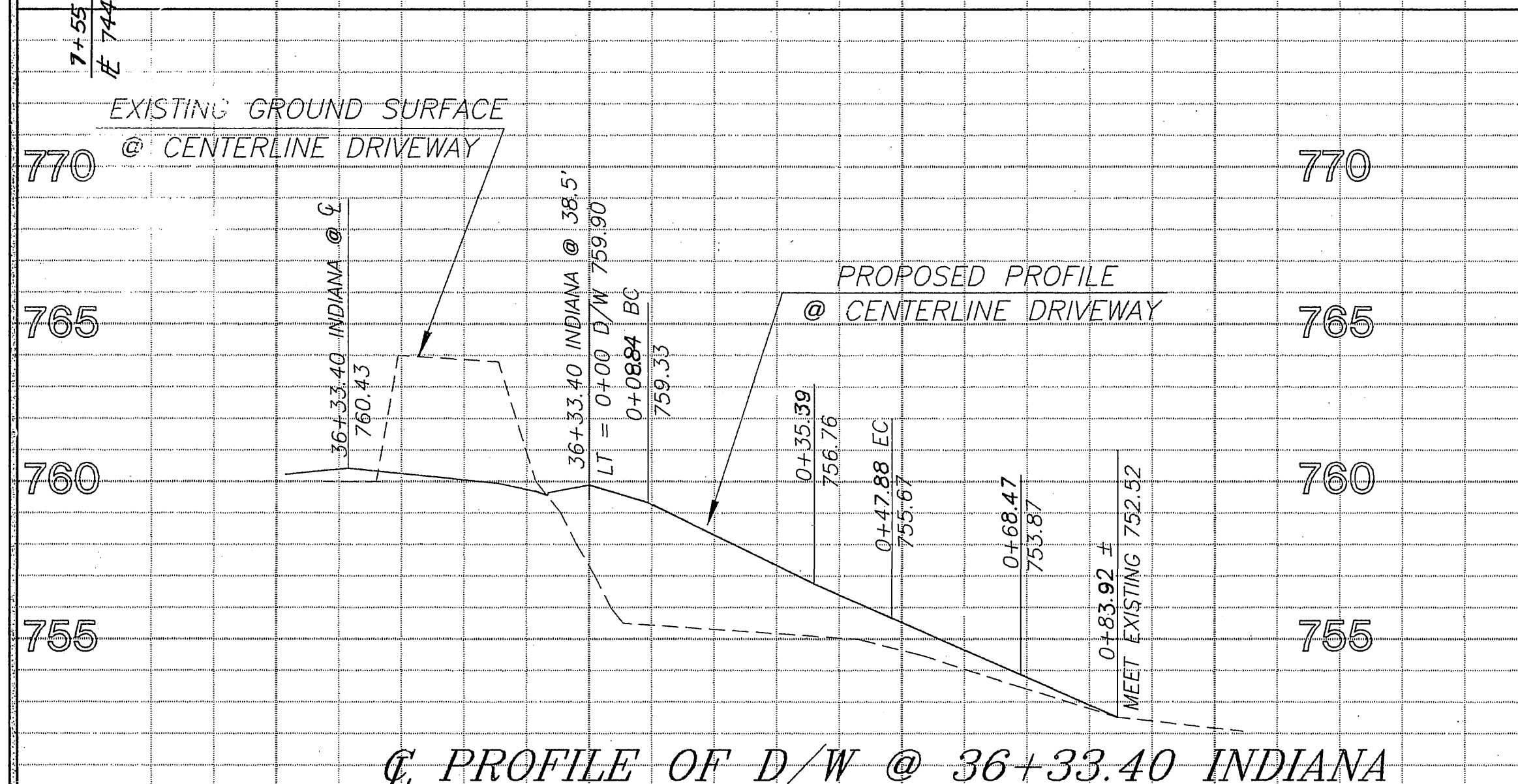
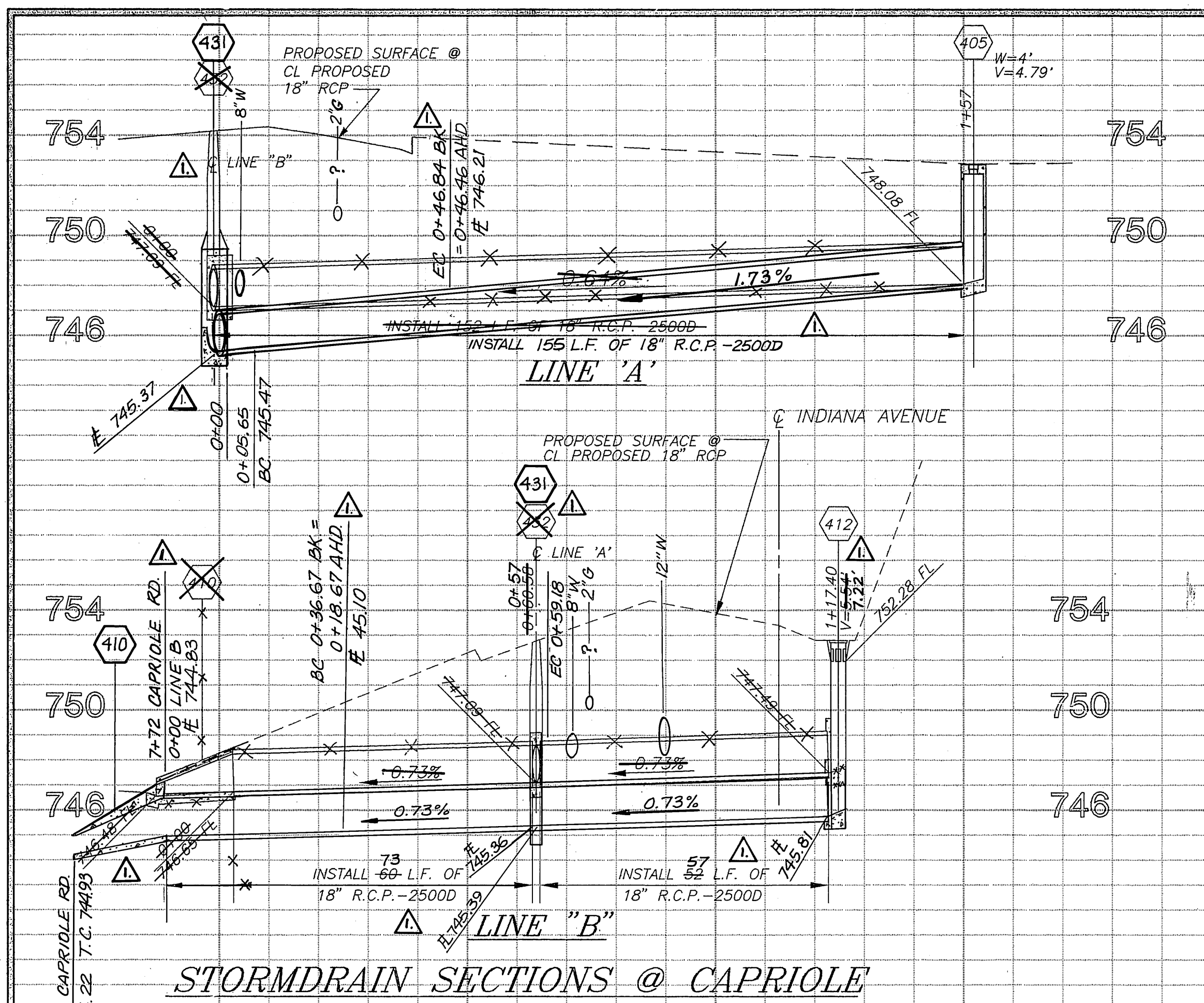
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 8'

ACCT. NO. 432-541500-440302-30132
432-541500-440222-30132

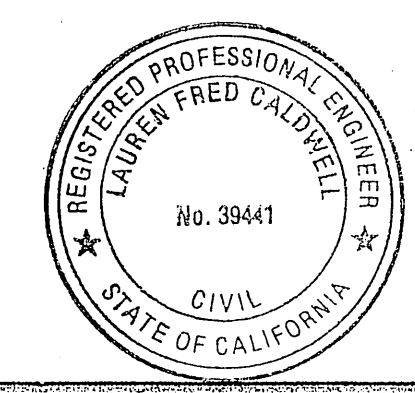
R-3279
SHEET 5 OF 6

FILE NO.





BENCHMARK
 P.K. NAIL AND CITY ENGINEER TAG IN
 E'LY CURB OF CAPRIOLE RD. 112' N'LY
 OF THE ORIGINAL CL INDIANA AVE. 3'
 S'LY OF LOT LINE PRODUCED OF LOTS
 14 & 15 PER CITY PLAN R-2878, SH-1.
 ELEVATION - 745.77



ENGINEER IN RESPONSIBLE CHARGE
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 R.C.E. No. 39441 expires 12/31/97
 DATE 4/20/94

Line A & B lowered to meet 8" and 12" Water lines, 8" & 12" Water lines and 2" Gas shown in profile.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
 DEPUTY P.W. DIRECTOR
 PRINCIPAL ENGINEER
 CHIEF P.W. INSPECTOR
 TRAFFIC DIVISION
 SURVEYOR
 STREET SERVICES
 PARKS DEPARTMENT

DATE 4/22/94

INDIANA AVENUE REALIGNMENT
BUCHANAN TO CAPRIOLE

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

R-3279
 SHEET 6 OF 6

FILE NO.

IMPORTANT NOTICE
 Section 4116.4117 of the Government Code
 requires a Dig Alert Identification
 Number to be issued before a
 "Punch to Excavate" will be valid.
 For your Dig Alert ID, Number call
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT
 1-800-422-4133