RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

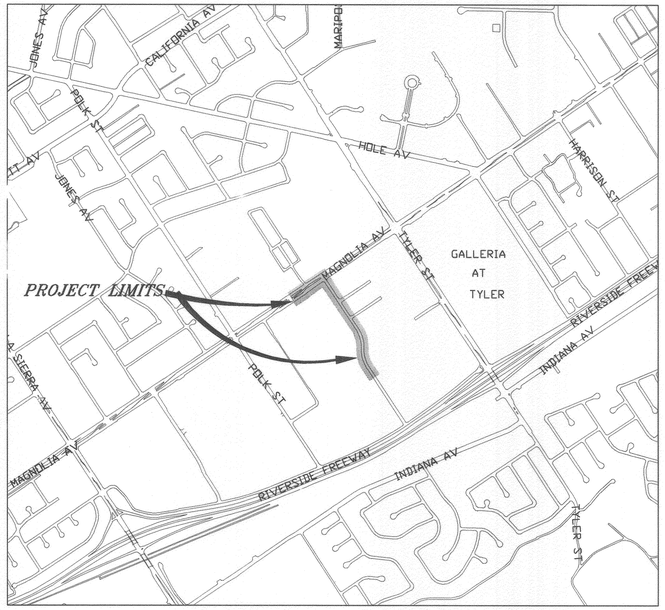
BANBURY DRIVE STORM DRAIN

GENERAL NOTES:

1. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHEATHER OR NOT SHOWN ON THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN IT IS SHOWN IN THE PROFILE. WHEN A UTILITY IS SHOWN WITH A SYMBOL (_?_) IN THE PROFILE VIEW, IT MEANS THE DEPTH OF THE UTILITY IS UNKNOWN, BUT IT IS NOT ANTICIPATED TO BE IN DIRECT CONFLICT WITH THE VERTICAL LOCATION OF THE PROPOSED PIPLINE CONTEMPLATED HEREIN. FOR ALL SUCH UTILITIES, THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF THE UTILITY PRIOR TO TRENCHING.
2. ANY STRIPING/LOOPS DAMAGED OR OBLITERATED BY THE CONTRACTOR SHALL BE REPLACED IN-KIND WHETHER OR NOT IT IS SHOWN ON PLAN.

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 OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- GAS — GAS FACILITIES TO BE RELOCATED BY SEMPRA ENERGY.
- REM — REMOVE ITEM AS SHOWN
- PIP — PROTECT ITEM IN PLACE
- TL — REINSTALL ALL DAMAGED TRAFFIC DETECTOR LOOP
- SEE GEOTECH REPORT FOR BORING INFORMATION

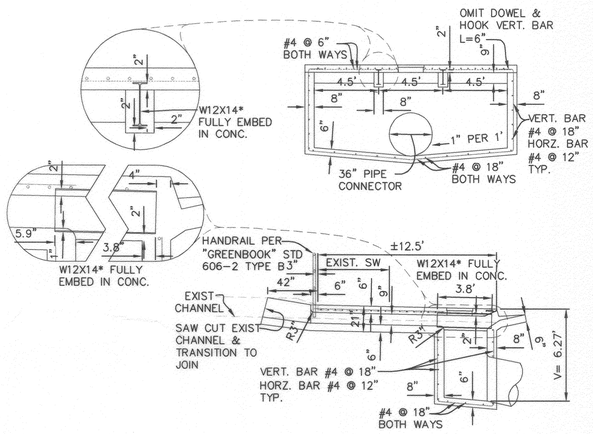


EXISTING UNDERGROUND UTILITIES:

- SANITARY SEWER ——— (S) ——
- WATER LINE ——— (W) ———
- UNDERGROUND ELECTRIC ---------(UGE)---------

EXISTING TOPOGRAPHY:

- SANITARY SEWER M.H.
- STORM DRAIN M.H.
- WATER GATE VALE
- ELECTRIC M.H.
- TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- IRRIGATION METER
- BLOW-OFF VALVE
- TRAFFIC SIGN
- POWER POLE
- GUY ANCHOR
- STREET LIGHT ON MAST ARM
- ELECTRICAL TEST STATION (PIPELINE)
- PALM TREE
- MISC. TREE
- TREE STUMP
- TOP OF SLOPE / TOE OF SLOPE
- DIRECTION DRAINAGE FLOW
- EDGE OF PAVEMENT

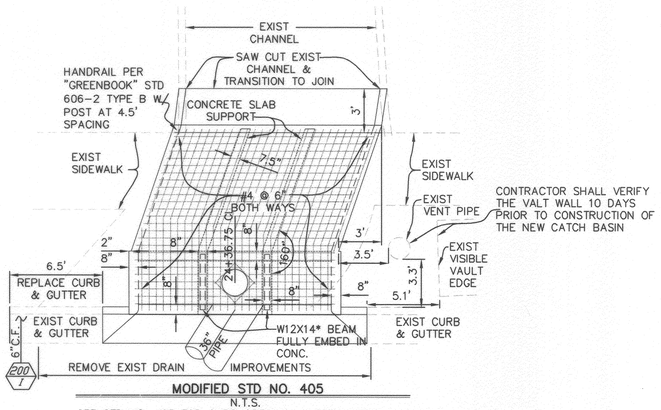


MODIFIED STD NO. 405

N.T.S.

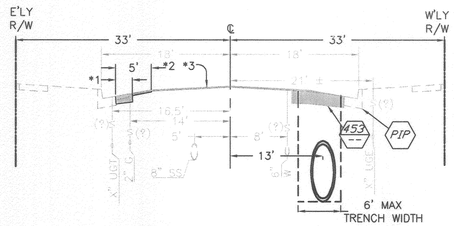
SEE STD NO. 405 FOR CURB OPENING, GUTTER, STEPS, MANHOLE, LID, CONCRETE SPEC. & SLOPED SURFACES.

* OR EQUIVALENT DOUBLE ANGLE, WELDED OR BOLTED BACK TO BACK



CONSTRUCTION LEGEND:

NTS



BANBURY DRIVE TYPICAL SECTION

N.T.S.

NOTE:

*1 REMOVE AND RECONSTRUCT PAVEMENT NEXT TO CURB WITH FULL DEPTH AC (6" DEPTH).

*2 TYPE I COLD MILLING (5' WIDE) – COLD-MILL EXISTING PAVEMENT ADJACENT TO GUTTER. THE COLD MILL AREA SHALL HAVE A MINIMUM DEPTH OF 0.1' ADJACENT TO THE GUTTER LIP AND MEET THE EXISTING PAVEMENT IN 5 FEET WITH A STRAIGHT GRADE.

*3 OVERLAY EXISTING PAVEMENT WITH 0.10' MIN THICKNESS ARHM-GG-C FROM STREET STATION 11+50 TO STATION 24+70.

SHEET INDEX:

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MAGNOLIA AVENUE AND BANBURY DRIVE STORM DRAIN
3	BANBURY DRIVE STORM DRAIN

CONSTRUCTION LEGEND:

- STREET CENTERLINE
- STREET R/W
- 968 — EXISTING CONTOUR

(54.76)	EXISTING ELEVATION	STA	STREET STATION
54.76	PROPOSED ELEVATION	PI	POINT OF INTERSECTION
TC	TOP OF CURB	V.C.	VERTICAL CURVE
EP	EDGE OF PAVEMENT	BVC	BEGIN VERTICAL CURVE
FL	FLOWLINE	EVC	END VERTICAL CURVE
FS	FINISHED SURFACE	PRC	POINT OF REVERSE CURVATURE
CL	CENTERLINE	G_1	GRADE INTO VERTICAL CURVE
GB	GRADE BREAK	G_2	GRADE OUT OF VERTICAL CURVE
AC	ASPHALTIC CONCRETE	APN	ASSESSORS PARCEL NUMBER
PCC	PORTLAND CEMENT CONCRETE	RCP	REINFORCED CONCRETE PIPE
C&G	CURB AND GUTTER	N'LY	NORTHERLY
R/W	RIGHT OF WAY	S'LY	SOUTHERLY
		℄(?)	UNKNOWN DISTANCE

IMPORTANT NOTICE

Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavat-" will be valid. For your Dig Alert I.D. Number call

CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

BENCHMARK E3-I3

ELEVATION: 730.718

P.K. NAIL AND CITY ENGINEER TAG IN THE MOST EASTERLY CURB RETURN OF MAGNOLIA AVENUE AND BANBURY DRIVE

ENGINEER IN RESPONSIBLE CHARGE

Michael Katusian

MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/08

DATE 3/13/08

REGISTERED PROFESSIONAL ENGINEER — MICHAEL KATUSIAN — No. 36686 Exp. 6-30-08 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SSS DRAWN BY SSS CHECKED BY MK

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	MK	3/13/08
CONSTRUCTION ADMIN.	SS	3/13/08
SURVEYOR	CS	3/13/08
STREET SERVICES	CG	3/13/08
TRAFFIC ENGINEER	LM	3-13-08
Eng. Mgr	SA	3/13/08

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY

CITY ENGINEER

DATE 3/17/08

BANBURY DRIVE STORM DRAIN
FROM MAGNOLIA AVENUE TOWARD DIANA AVENUE

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

ACCT. NO. -
W.O. NO. -

D-828

SHEET 1 OF 3

FILE NO.

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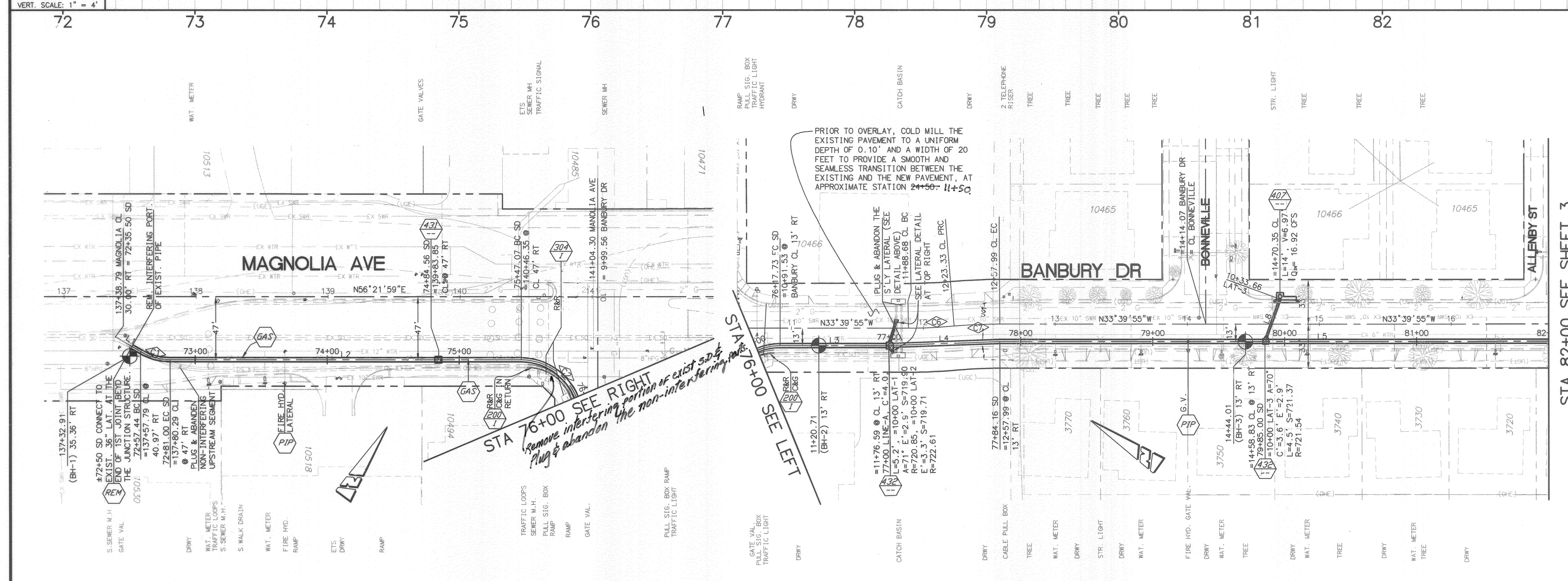

LINE TABLE		
LINE	LENGTH	BEARING
L1	21.94	N86°21'59"E
L2	266.06	N56°21'59"E
L3	82.27	S33°39'58"E
L4	84.15	S35°42'28"E
L5	415.84	S33°39'55"E
L6	19.28	N73°23'52"E
L7	6.58	S24°13'17"W
L8	33.66	N76°20'05"E

CURVE TABLE			
CURVE	LENGTH	RADIUS	TANGENT
C1	23.56	45.00	12.06
C2	70.66	45.00	44.98
C6	34.65	400.00	17.34
C7	34.65	400.00	17.34

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SEE GEOTECH REPORT FOR BORING INFORMATION

BENCHMARK E3–I3

ELEVATION: 730.718

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DATE 3/13/08

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MARK	REVISIONS	APPR.	DATE
1	Revised various utility locations based on Pothole information	MK	4/16/08

DESIGNED BY SGS DRAWN BY SGS CHECKED BY MK

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	MK	3/13/08
CONSTRUCTION ADMIN.	SG	3/13/08
SURVEYOR	CS	3/13/08
STREET SERVICES	CG	3/14/08
TRAFFIC ENGINEER		3-13-08
Eng. Mgr.		3/13/08

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY
CITY ENGINEER
DATE 3/17/08

BANBURY DRIVE STORM DRAIN
FROM MAGNOLIA AVENUE TOWARD DIANA AVENUE

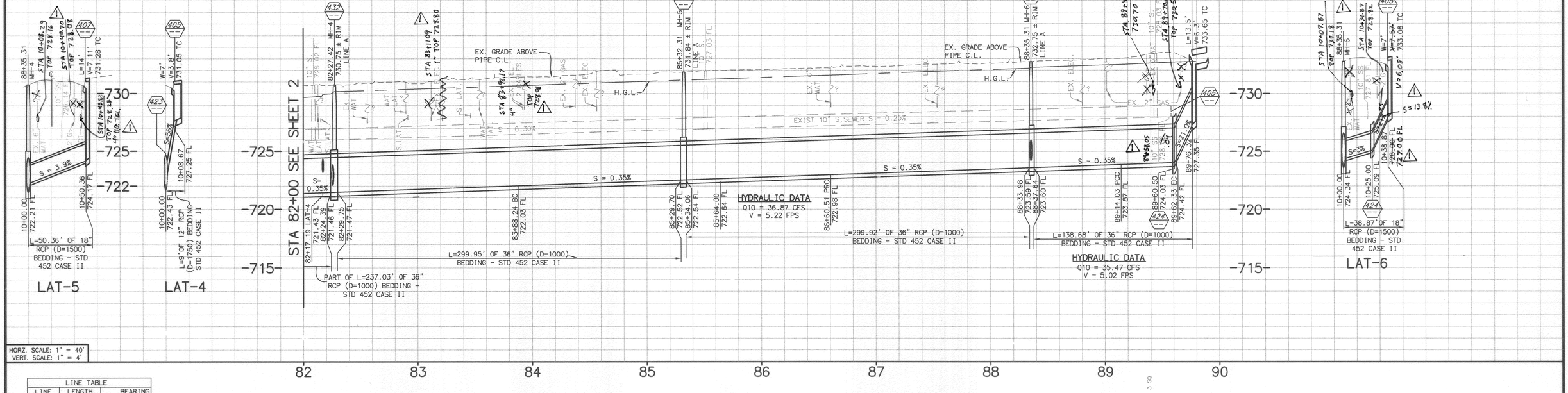
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

ACCT. NO. –
W.O. NO. –

D–828

SHEET 2 OF 3

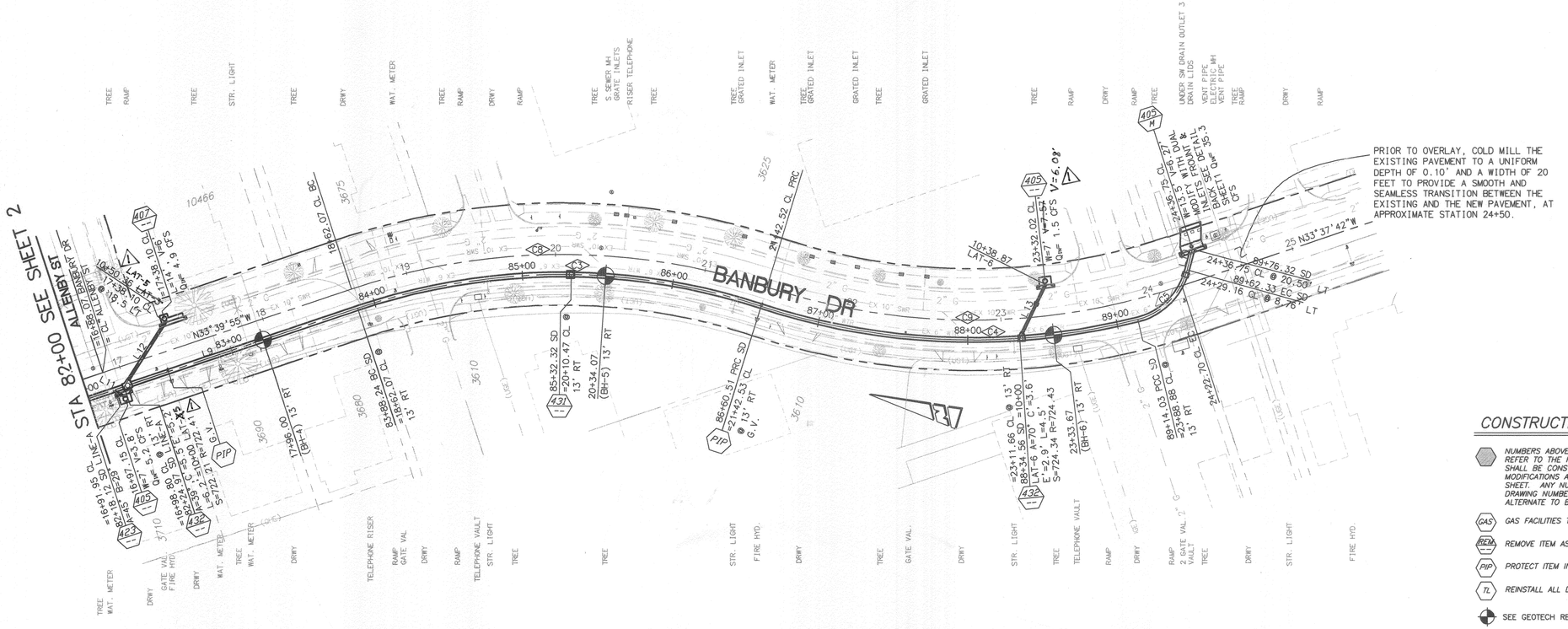
FILE NO.



HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 4'

LINE TABLE		
LINE	LENGTH	BEARING
L9	188.24	S33°39'55"E
L10	13.98	N89°14'22"E
L11	8.67	N11°20'05"E
L12	50.36	N72°22'08"W
L13	38.87	N79°22'54"W

CURVE TABLE			
CURVE	LENGTH	RADIUS	TANGENT
C3	272.27	433.73	140.79
C4	253.52	460.26	130.07
C5	48.30	45.00	26.77
C8	280.45	446.15	145.03
C9	280.18	446.15	144.88



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BENCHMARK E3-13

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SHEET 3 OF 3

FILE NO.

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