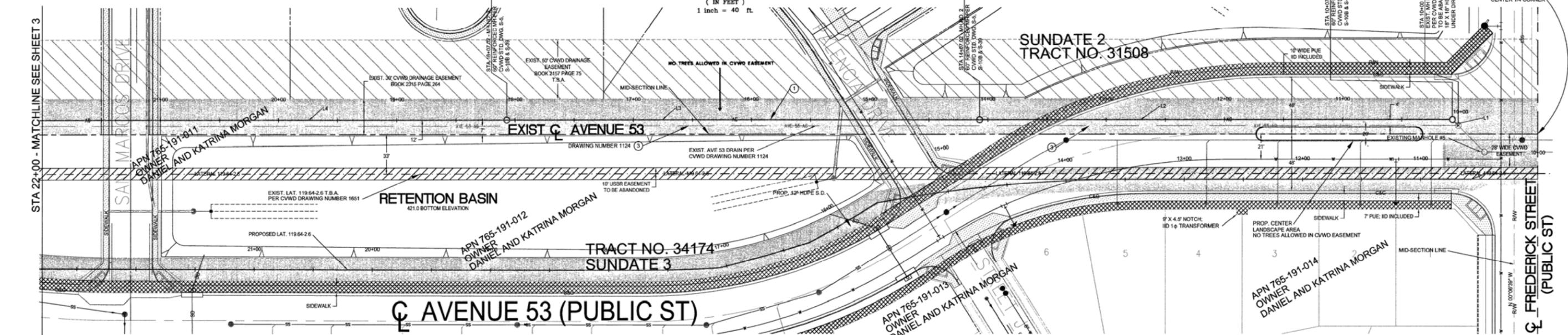
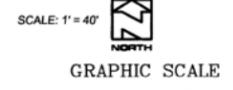


AVENUE 53 DRAIN

21+00 20+00 19+00 18+00 17+00 16+00 15+00 14+00 13+00 12+00 11+00 10+00



AVENUE 53 (PUBLIC ST)

ESTIMATE OF QUANTITIES & CONSTRUCTION NOTES

- FURNISH AND INSTALL 18" HDPE DRAIN LINE MODEL N-12 ADS PIPE SERIES - 85 PERFORATED WITH BELL AND SPIGOT AND WITH GEOTEXTILE FABRIC AND SELECT PIPE ZONE MATERIAL ENVELOPE AND 12" CLEAN ROCK BEDDING PER TRENCH DETAIL ON SHEET 4. 2,613.61 L.F.
- 60" REINFORCED CONC MH PER CVWD STD. DWG. S-5, S-10B, S-39, NOTES HEREON AND SPECIFICATIONS. 8 EA. MANHOLE LIDS LABELLED "DRAIN", FLUSH WITH FINISHED SURFACE, SEE APPROVED STREET PLAN BY OTHERS.
- ABANDON 16" RCP PIPELINE BY CRUSH IN PLACE, REMOVAL, OR SLURRY BACKFILL FOLLOWED BY COMPACTION TO 95% MINIMUM DENSITY. 2,550.32 L.F.
- ABANDON EXIST. MANHOLE #6. 1 EA.
- FURNISH AND INSTALL 18" X 18" HDPE COUPLER. 1 EA.

PIPE TANGENT DATA

SHT	LINE	BEARING	DISTANCE	SIZE	TYPE
2	L1	S 45° 00' 00" W	4.52 L.F.	18"	HDPE ADS N-12
2	L2	S 89° 52' 06" W	418 L.F.	18"	HDPE ADS N-12
2	L3	S 89° 52' 06" W	425 L.F.	18"	HDPE ADS N-12
2	L4	S 89° 52' 06" W	425 L.F.	18"	HDPE ADS N-12
3	L5	S 89° 52' 06" W	425 L.F.	18"	HDPE ADS N-12
3	L6	S 89° 52' 06" W	425 L.F.	18"	HDPE ADS N-12
3	L7	S 89° 52' 06" W	417 L.F.	18"	HDPE ADS N-12

CURVE DATA

SHT	CURVE	COURSE	RADIUS	ARC LENGTH	DELTA
4	C1	S 83° 41' 55" W	181.5344.17'	13° 56' 31"	

HYDRAULIC CHARACTERISTICS

FROM	TO	PIPE	AVERAGE SLOPE	N	Q
10+00	35+87.73	18"	0.0020	0.012	5 CFS

CURVE DATA

SHT	CURVE	COURSE	RADIUS	ARC LENGTH	DELTA
4	C1	S 83° 41' 55" W	181.5344.17'	13° 56' 31"	

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CENTERLINE OF FREDERICK STREET AS BEING N00°06'30"W.

IRRIGATION WATER / NON-POTABLE

C.V.D. DRAWING APPROVAL		DATE
Checked: <i>Michael Schaner</i>	4/22/07	21 AUG 07
Reviewed: <i>Ben Daniels</i>	2/2/07	DWG. NO. 36453
Author: _____	DATE: _____	SCALE: _____
Checker: _____	DATE: _____	APP'D: _____



PREPARED BY: *Benjamin R. Olson, Jr.* DATE: 8/18/07
 R.C.E. NO. 24951 EXP. DATE: 12/31/2007
 APPROVED BY: _____ DATE: _____
 R.C.E. NO. _____ EXP. DATE: _____

DATE	BY	DESCRIPTION	APP'D	DATE

UNAUTHORIZED CHANGES & USES:
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or use of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

IN THE COUNTY OF RIVERSIDE, CA
CVWD AGRICULTURAL DRAIN COMPOSITE PLAN
 LATERAL 119.64-2.6
 S.B.B.M.
 TRACT NO. 34174
 BEING A PORTION OF THE N 1/2 OF THE SW 1/4 OF SECTION 7, T6S, R8E
 FOR: CENTENNIAL HOMES

SHEET 2
 OF 4 SHEETS
 DWG. NAME
 FILE NO.