



[illegible]

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3337 L. QUAY RD. SUITE #100
OAKLAND, CA 94612

ces cable engineering services
PRESIDENT COMMUNICATIONS, INC.
10440 Sepulveda Blvd. Suite 1, Van Nuys, CA 91411
Phone No. (818) 999-2352 Fax No. (818) 999-8188

Trillium Telecom Services, LLC
3337 L. QUAY RD. SUITE #100
OAKLAND, CA 94612
CONSULTING GROUP

NO.	DATE	DESCRIPTION	BY
1	04-02-07	PRELIMINARY	C.E.S.
2	05-07-07	REVISED PER R.F. & POWER M.E.T.	C.E.S.
3	04-14-08	REVISED TO VALU	C.E.S.
4	05-01-08	REVISED PER	C.E.S.
5	06-26-08	REVISED PER CITY COMMENTS	C.E.S.

IE05372B
POLE #10124PBM (84554H)
PRELIMINARY DESIGN
1772 E. C/V. W. GRAND AVE.
PASADENA, CA 91105

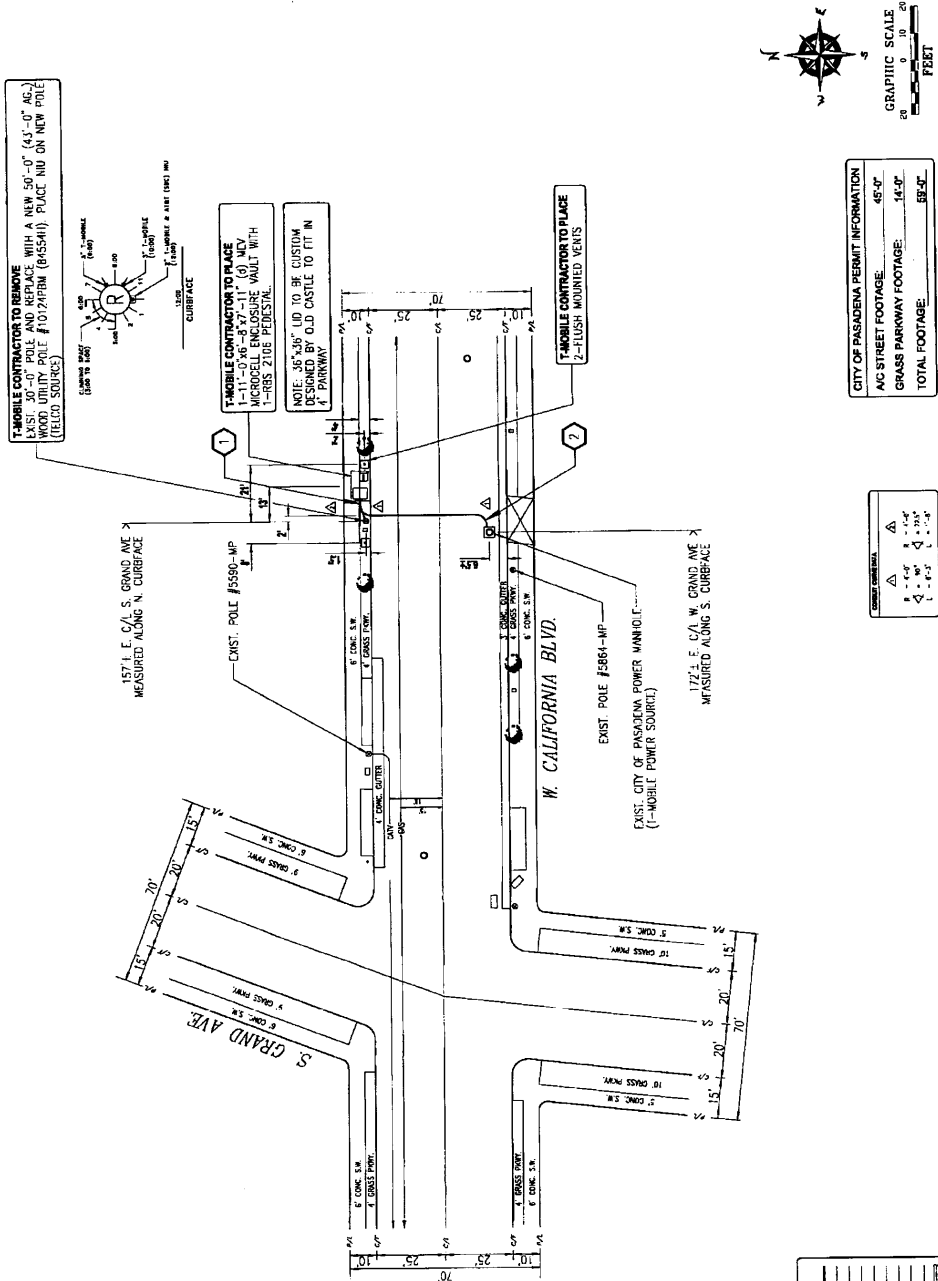
PRELIMINARY CD

SITE PLAN

E-1
C.E.S. PROJ. #00323-01 DWG. #10124PBM

UNDERGROUND UTILITIES NOTE:
1. THE LOCATION OF ANY UNDERGROUND PRESS. STRUCTURES OR CONDUITS SHOWN ON THIS PLAN WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THERE MAY BE EX. UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE ENGINEER'S OFFICE SHALL BE RESPONSIBLE FOR LOCATING ANY EX. UTILITIES. MEASUREMENTS TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.

DESCRIPTION
1. 8'-0" DIA. POLE W/ 10' (HORN ENCLASURE (MULTI))
2. 1" SCH. 40 PVC CONDUIT (T-MOBILE COM)
3. 2" SCH. 40 PVC CONDUIT (T-MOBILE TELCO)
4. 3" SCH. 40 PVC CONDUIT (CITY OF PASADENA)
5. 3" SCH. 40 PVC CONDUIT (CITY OF PASADENA)



CITY OF PASADENA PERMIT INFORMATION
AC STREET FOOTAGE: 45'-0"
GRASS PARKWAY FOOTAGE: 14'-0"
TOTAL FOOTAGE: 59'-0"

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3700 J. GILBERT DR. SUITE #700
DUBLIN, CA 94568

PLANS PREPARED BY:

CES *cable engineering services*

PRESCOTT COMMUNICATIONS, INC.
12040 Redwood Blvd. Suite 1, Union City, CA 94586
Phone No.: (916) 899-0382 Fax No.: (916) 899-0189

CONSULTING GROUP:

Trillium Telecom Services, LLC
10000 Redwood Blvd. Suite 1, Union City, CA 94586
Phone No.: (916) 899-0382 Fax No.: (916) 899-0189

DATE: 04-02-07

DESCRIPTION: PRELIMINARY

BY: C.E.S.

1 04-02-07 PRELIMINARY C.E.S.

2 05-02-07 REVISED PER R.F. & POWER WET C.E.S.

3 04-14-08 REVISED TO VAULT C.E.S.

4 05-01-08 REVISED PER R.F. C.E.S.

5 06-26-08 REVISED PER CITY COMMENTS C.E.S.

IE05372B

POLE #10124PBM (84554H)

(PRELIMINARY ADDRESS)
3700 J. GILBERT DR. SUITE #700
DUBLIN, CA 94568

PRELIMINARY CD

ANTENNA/ARM MOUNTING DETAILS

A-1

C.E.S. PROJ. #05372B DWG. #10070191

ANDREW MODEL: ETT19V2A12UB

VS-100 GPS ANTENNA
WEIGHT - 13.50 lb

LOW PROFILE CHAIN MOUNT
WITH 2-3/8\"/>

1 (FUTURE) GPS

SCALE: N.T.S.

2 DUAL BAND DUAL DUPLEX TMA

SCALE: N.T.S.

3

SCALE: N.T.S.

4 ANTENNA

SCALE: N.T.S.

5 NOT USED

SCALE: N.T.S.

6

SCALE: N.T.S.

ANTENNA CONFIGURATION

VECTOR DETAIL

TOP VIEW

SIDE VIEW

PARTS LIST

A	B	C	D	E	F
COPPER GROUND BAR, USE STYLE "T" OIL-TELECOM, INC. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONDUCTORS)	5/8-11 NUT, 1 1/2" LONG, 1/2" DIA. (FOR 5/8-11 NUT)	5/8-11 NUT, 1 1/2" LONG, 1/2" DIA. (FOR 5/8-11 NUT)	5/8-11 NUT, 1 1/2" LONG, 1/2" DIA. (FOR 5/8-11 NUT)	5/8-11 NUT, 1 1/2" LONG, 1/2" DIA. (FOR 5/8-11 NUT)	5/8-11 NUT, 1 1/2" LONG, 1/2" DIA. (FOR 5/8-11 NUT)

GROUND TEST WELL DETAIL

NOTES:

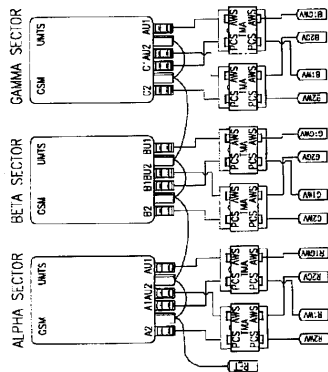
- CRIMP (COMPRESSION) TYPE TWO-HOLE BOLTED TONGUE CONNECTORS SHALL BE USED TO TERMINATE STRANDED GROUNDING CONDUCTORS. THE CONNECTORS SHALL BE TIN-PLATED COPPER, LONG BARREL LUG, AND SHALL BE LISTED FOR THEIR INTENDED USE BY THE MANUFACTURER.
- USE #6 IN-PLATED ALUMINUM CONNECTORS INSTALLED PRIOR TO THE DATE OF THIS STANDARD OR CONNECTORS THAT ARE PART OF AN APPROVED PRODUCT AND ACCEPTABLE.
- CRIMP TYPE CONNECTORS USED ON SOLID CONDUCTORS MUST BE LISTED BY AN NRTL FOR USE ON SOLID CONDUCTORS, AND MUST BE CRIMPED WITH THE TIES SPECIFIED BY THE MANUFACTURER OF THE CONNECTOR. USE A HORRIBLE CRIMPING TOOL.
- TWO-HOLE BOLTED TONGUE CONNECTORS SHALL BE USED. WIRES SHALL BE INSULATED THE ENTIRE LENGTH OF THE LUG. ENSURE COAX OUTER INSULATION IS SNUG TO LUG BARREL. PROVIDE AN ANTI-OXIDE COMPOUND ON THE CONDUCTOR DEFORMATION AND TWO OIL RESISTANT, A TRANSPARENT HEAT-SHRINK INSULATING TUBE ALONG THE ENTIRE LENGTH OF THE CONN.
- USE #6 IN-PLATED ALUMINUM CONNECTORS INSTALLED PRIOR TO THE DATE OF THIS STANDARD OR CONNECTORS THAT ARE PART OF AN APPROVED PRODUCT AND ACCEPTABLE.

TYPICAL GROUND BAR

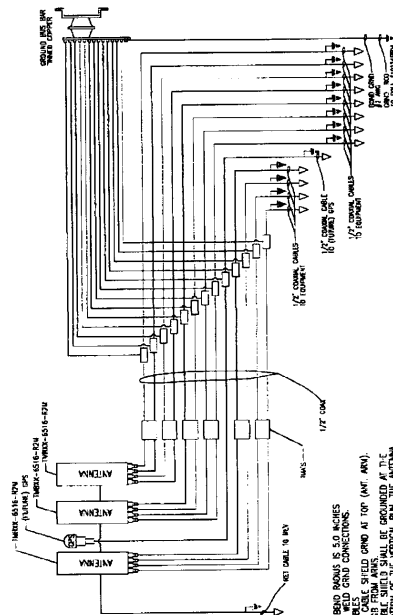
NOTES:

- CRIMP (COMPRESSION) TYPE TWO-HOLE BOLTED TONGUE CONNECTORS SHALL BE USED TO TERMINATE STRANDED GROUNDING CONDUCTORS. THE CONNECTORS SHALL BE TIN-PLATED COPPER, LONG BARREL LUG, AND SHALL BE LISTED FOR THEIR INTENDED USE BY THE MANUFACTURER.
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- USE #6 IN-PLATED ALUMINUM CONNECTORS INSTALLED PRIOR TO THE DATE OF THIS STANDARD OR CONNECTORS THAT ARE PART OF AN APPROVED PRODUCT AND ACCEPTABLE.

ANTENNA NUMBERING SCHEME (ONE QUADPOLE ANTENNA PER SECTOR WITH DUAL TMAS) FRONT VIEW (FACING ANTENNAS)



SINGLE LINE COAX



1. WPA CABLE BOND BOUNDS 5.50 ACRES
2. EXISTING WELD GRID CONNECTIONS
3. SHALL HAVE CABLE SHIELD GROUND AT 100' (ANT. ANV.)
4. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)
5. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)
6. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)
7. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)
8. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)
9. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)
10. WPA CABLE SHALL BE 1/2" DIA. (ANT. ANV.)

ANTENNA WIRE DIAGRAM

RF SYSTEM SCHEDULE

ANTENNA	ANTENNA NO.	ANTENNA TYPE	ANTENNA SIZE	COAX SIZE	ANTENNA	ANTENNA NO.	ANTENNA TYPE	ANTENNA SIZE	COAX SIZE
A	1	1/2" DIA. (ANT. ANV.)	1/2"	1/2"	B	2	1/2" DIA. (ANT. ANV.)	1/2"	1/2"
B	2	1/2" DIA. (ANT. ANV.)	1/2"	1/2"	C	3	1/2" DIA. (ANT. ANV.)	1/2"	1/2"
C	3	1/2" DIA. (ANT. ANV.)	1/2"	1/2"					

GPS SURVEY 1A	
LATITUDE:	34° 08' 59.1" N
LONGITUDE:	118° 09' 43.11" W

RF SYSTEM SCHEDULE

ANTENNA COLOR CODES

OLD	NEW
1-10	1-10
11-20	11-20
21-30	21-30
31-40	31-40
41-50	41-50
51-60	51-60
61-70	61-70
71-80	71-80
81-90	81-90
91-100	91-100

ANTENNA COLOR CODES

OLD	NEW
1-10	1-10
11-20	11-20
21-30	21-30
31-40	31-40
41-50	41-50
51-60	51-60
61-70	61-70
71-80	71-80
81-90	81-90
91-100	91-100

ANTENNA COLOR CODES

OLD	NEW
1-10	1-10
11-20	11-20
21-30	21-30
31-40	31-40
41-50	41-50
51-60	51-60
61-70	61-70
71-80	71-80
81-90	81-90
91-100	91-100

ANTENNA COLOR CODES

OLD	NEW
1-10	1-10
11-20	11-20
21-30	21-30
31-40	31-40
41-50	41-50
51-60	51-60
61-70	61-70
71-80	71-80
81-90	81-90
91-100	91-100

ANTENNA COLOR CODES

SCALE: N.T.S.

T-Mobile

RF CONFIGURATION

SCALE: N.T.S.

T-Mobile
Get more from life
3757 E. QUARTER STREET, SUITE 200
OAKLAND, CA 94618

ces
cable engineering services
PRESIDENT COMMUNICATIONS, INC.
10840 Sepulveda Blvd. Suite 1, Van Nuys, CA 91411
Phone No. (818) 999-2352 Fax No. (818) 999-4189

Trillium Telecom Services, LLC
3757 E. QUARTER STREET, SUITE 200
OAKLAND, CA 94618

NO.	DATE	DESCRIPTION	BY
1	04-02-07	PRELIMINARY	C.F.S.
2	05-02-07	REVISED PER R.F.	C.F.S.
3	05-02-07	REVISED TO VALUITY	C.F.S.
4	05-01-08	REVISED PER R.F.	C.F.S.
5	06-26-08	REVISED PER CITY COMMENTS	C.F.S.

IE05372B
POLE #10124PBM (84554H)
PRELIMINARY ADDRESS
10840 SEPULVEDA BLVD. SUITE 1
VAN NUYS, CA 91411

PRELIMINARY CD

RF INFORMATION

A-3
C.E. & P.O. #000031 DWG. #10007181

T-Mobile
Get more from life[®]
3251 E. QUARTER RD. SUITE #700
ONTARIO, CA 91761

PLAN PREPARED BY:
cable engineering services
PRESCOTT COMMUNICATIONS, INC.
19040 Sepulveda Blvd. Suite 1, Mission Hills, CA 91345
Phone No.: 818-999-2352 Fax No.: 818-999-9189

CONSULTING GROUP:



Trillium Telecom Services, LLC
10000 Wilshire Blvd. Suite 1000
Beverly Hills, CA 90210
Phone No.: 310-274-1100

NO.	DATE	DESCRIPTION	BY	CHK.
1	04-07-07	PRELIMINARY	C.E.S.	
2	05-07-07	REVISED PER R.F. & POWER MISC.	C.E.S.	
3	04-14-08	REVISED 0 VAULT	C.E.S.	
4	05-01-08	FLUSH JOINTS	C.E.S.	
5	06-16-08	REVISED PER CITY COMMENTS	C.E.S.	

DATE INFORMATION:

IE05372B
POLE #10124PBM (84554H)

PREPARED BY: J. J. JONES
CHECKED BY: J. J. JONES
DATE: 04/07/07
SCALE: 1/8" = 1'-0"

PRELIMINARY CD

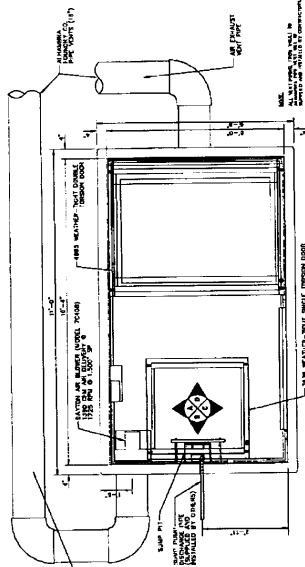
SHEET TITLE:

MEV DETAILS

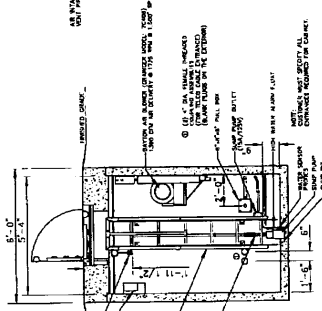
SHEET NUMBER:

A-4

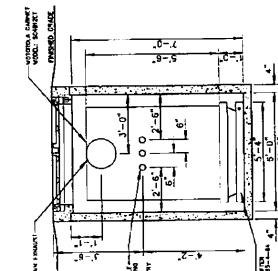
C.E.S. PROJ. #0502-01 DWG. #T050201



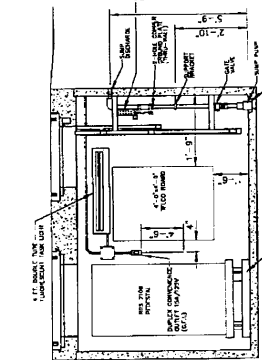
INTERIOR ELEVATION "A"



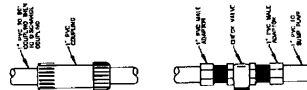
INTERIOR ELEVATION "B"



INTERIOR ELEVATION "C"



INTERIOR ELEVATION "D"



SUMP PUMP ASSEMBLY

- STRUCTURAL NOTES:**
- 1) ALL CONCRETE SHALL BE CAST WITH 4000 PSI STRENGTH.
 - 2) ALL CONCRETE SHALL BE CAST WITH 4000 PSI STRENGTH.
 - 3) ALL CONCRETE SHALL BE CAST WITH 4000 PSI STRENGTH.
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 - 100) ALL CONCRETE SHALL BE CAST WITH 4000 PSI STRENGTH.

SCALE: 1/8" = 1'-0"

1

T-Mobile

Get more from life

3075 J. GARDY RD. SUITE #700
SAN DIEGO, CA 92151

PLANS PREPARED BY:

ces cable
engineering
services

PRESCOTT COMMUNICATIONS, INC.

15000 San Diego Blvd. Suite 1, San Diego, CA 92146
Phone No: (619) 594-2252 Fax No: (619) 594-4199

CONSULTING GROUP:



Trillium Telecom Services, LLC

15000 San Diego Blvd. Suite 1, San Diego, CA 92146
Phone No: (619) 594-2252 Fax No: (619) 594-4199

REV.	DATE	DESCRIPTION	BY
1	04-02-07	PRELIMINARY	C.E.S.
2	05-07-07	REVISED PER R.F. & POWER MEET	C.E.S.
3	04-14-08	REVISED TO VALLEY FLUSH ANTENNAS	C.E.S.
4	05-01-08	REVISED PER R.F. & POWER MEET	C.E.S.
5	06-26-08	REVISED PER CITY COMMENTS	C.E.S.

SITE INFORMATION:

IE05372B
POLE #10124PBM (84554H)
PRELIMINARY ADDRESS
15000 San Diego Blvd. Suite 1, San Diego, CA 92146
PALMDALE, CA 91325

STAMP:

PRELIMINARY CD

SHEET TITLE:

**POLE INFORMATION
& ELEVATIONS**

SHEET NUMBER:

A-5

C.E.S. PROJ. #00000001 DWG. #TMB01001

- T-MOBILE SITE POLE #10124PBM MAKE READY INFORMATION**
- A. T-MOBILE TO REPLACE EXISTING 30'-0" POLE WITH A 50'-0" (43'-0" AND CLASS (2) WOOD POLE.
 - B. T-MOBILE TO PLACE 2" TELCO RISER AT 7:00
 - C. AT&T TO PLACE NIU AT 12:00
 - D. T-MOBILE TO PLACE (2) 3" T-MOBILE COMM RISERS AT 8:00 & 10:00
 - E. T-MOBILE TO STEP POLE FROM 3:00 TO 6:00
 - F. T-MOBILE TO TRANSFER TELCO DROP, CATV, TELCO, AND TELCO TERM BOX TO NEW POLE

ALL TO BE DONE:
EVERY SET POLE. VERIFY INFORMATION PRIOR TO POLE CONSTRUCTION.
NOTES:
NET CABLE TO BE INSTALLED IN CON. (ELECTR. CONSULT)

SCALE: N.T.S.

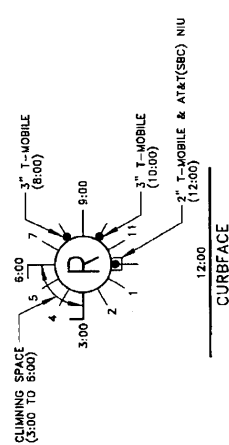
2

POLE MAKE READY INFORMATION

1

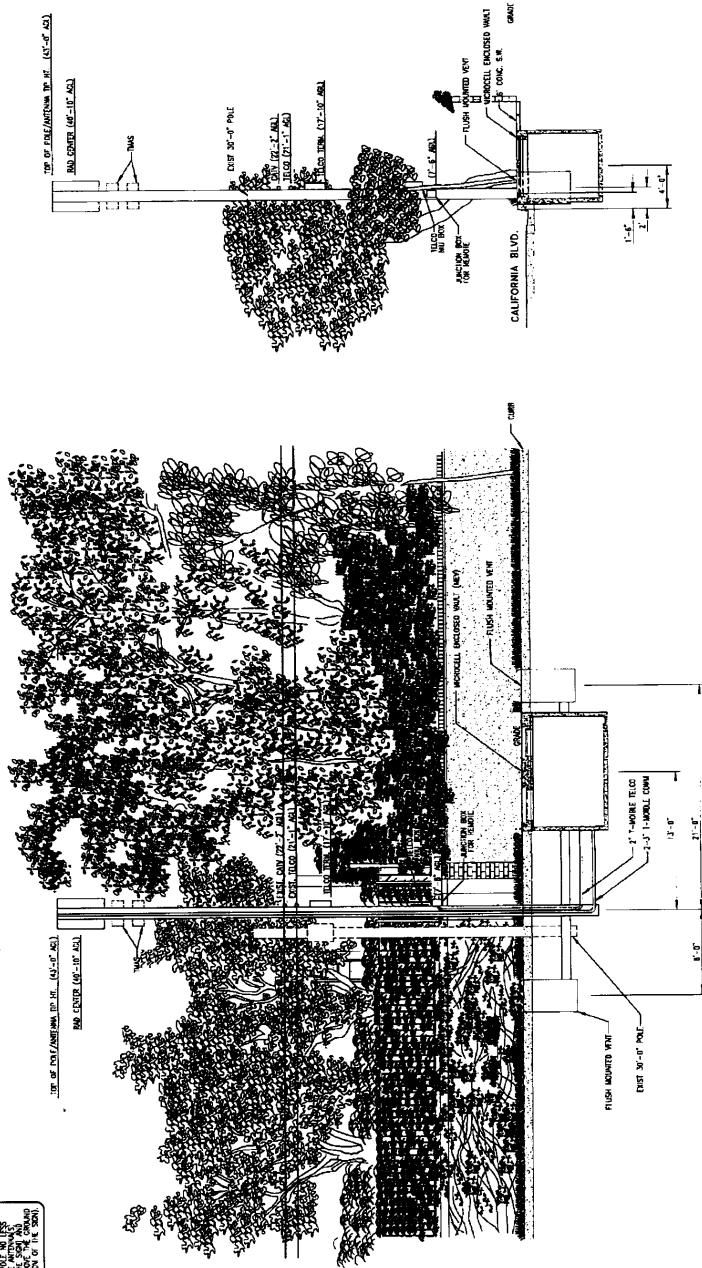
SCALE: N.T.S.

1



RISER DETAIL

NOTES:
1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
5. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.



SIDE VIEW
LOOKING WEST

FRONT VIEW
LOOKING NORTH

ELEVATIONS

SCALE: 1\"/>

3

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3717 E. GARDEN RD. SUITE F700
DANA POINT, CA 92629

PLAN PREPARED BY:

CES cable
engineering
services

PRESCOTT COMMUNICATIONS, INC.
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CONSULTING GROUP:



Tritium Telecom Services, LLC

10000 Wilshire Blvd., Suite 1000
Beverly Hills, CA 90210
Tel: (310) 274-1000 Fax: (310) 274-1001

DATE	DESCRIPTION	BY
04-07-07	PRELIMINARY	C.E.S.
05-09-07	REVISED PER R.F.	C.E.S.
05-09-07	REVISED TO VAILT	C.E.S.
04-14-08	FLUSH ANTENNAS	C.E.S.
03-01-08	REVISED PER R.F.	C.E.S.
06-26-08	REVISED PER R.F.	C.E.S.
	CITY COMMENTS	C.E.S.

SITE INFORMATION:

IE05372B
POLE #10124PBM (84554H)

10000 Wilshire Blvd., Suite 1000
Beverly Hills, CA 90210
Tel: (310) 274-1000 Fax: (310) 274-1001

STAMP:

PRELIMINARY CD

SHEET TITLE:

**FLUSH MOUNT
VENTILATION
DETAILS**

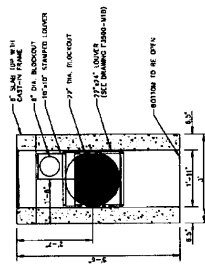
SHEET NUMBER:

A-6

C.E.S. PROJ. #00124PBM DWG. #T000701

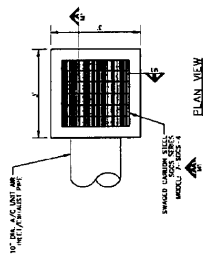


DETAIL

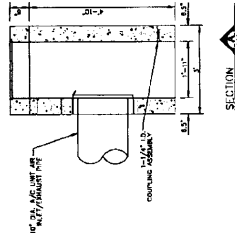


SECTION

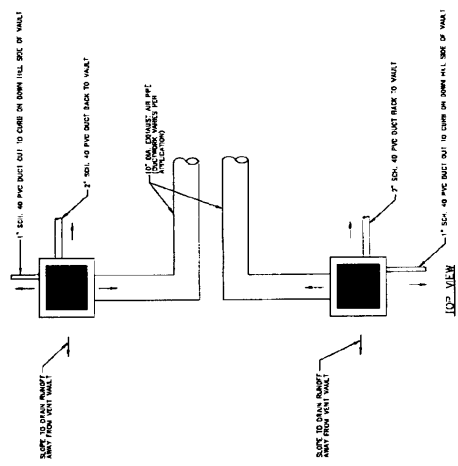
VENT VAULT PLAN VIEW



PLAN VIEW

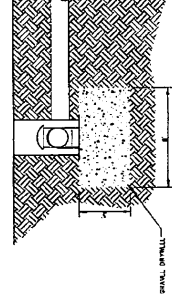


SECTION



ELEVATION

NOTES:
GRATING: SHAGGED CARBON STEEL SIZES SERIES BY GARD GRATING, INC.
BEARING BARS: RECTANGULAR DASH ON 7/8" O.C.
CHERRY BARS: CHERRY STEEL TYPING MECHANICALLY LOCKED BY SWAGGING AT
SURFACE: NON-SLIP SURFACE TO BEATING BARS & 1" O.C.
LOADING: GRATING TO CARRY A PEDESTRIAN LOAD EQUAL TO 100 LBS. PER SQUARE FOOT
OVER THE REQUIRED CLEAR SPAN WITH DEFLECTION NOT TO EXCEED 1/4".
FINISH: GALVANNEZED
FABRICATION & TOLERANCES: IN ACCORDANCE WITH THE MANUFACTURED GRATING MANUAL.



DETAIL

SCALE:

1"=5'

3

ELEVATIONS

DATE	06/08/97	TOTAL COUNTRIES	1
BY	JL	CITIES	1
DEPARTMENT	TOPOGRAPHIC SURVEY		
PROJECT NO.	IE05372		
ADDRESS	CALIFORNIA BLVD / S. GRAND AVE. PASADENA, CA 91105		

MAP interactive **General Infrastructure Aerial Birds Eye**

New Features Added to iMap!
(Click for Details)

What's New!
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Contact Us
iMAP Community

Search Tools

- Address
- Owner
- Parcel Number
- Street Intersection
- Traffic Investigation
- Service Requests
- City Facility
- Schools
- Parks
- Local Business Search
- Major Projects
- Specific Plan
- Public Art Project Status
- New Residential Units
- New Square Footage
- Permits by Valuation
- Projects in Plan Check
- Building Inspector Route
- C of O Issuances
- Demolition Permits
- Complaint by Council District
- Code Inspector Route
- CTP Case Violations
- Yard Sales Scheduled
- 2010 Demographic Search - Tracts
- 2010 Demographic Search - Block Groups
- 2010 Demographic Search - Blocks
- Advanced Property Search

Results

Advance Tools

- Layer Manager
- * Right-click a layer for more functions
- ▼ Sewer
 - ☐ 2' Contour
 - ☒ Building Footprint
 - ☐ Cleanout
 - ☐ Service Point
 - ☐ Other Point
 - ☐ Fitting
 - ☐ Manhole
 - ☐ Lift Station
 - ☐ Street Centerline
 - ☐ Gravity Main
 - ☐ Force Main
 - ☐ Lateral Line
 - ☐ Graphic Line
 - ☒ Primary site address glowir

Scale 1: 139.43

View Show All

Theme: Classic

Disclaimer

Map View: Aerial view showing a street intersection. The map displays a yellow building footprint, a yellow street centerline, and a yellow sewer line. The street is labeled "S GRAND AVE" and "W CALIFORNIA BLVD". The building is labeled "555 S GRAND AVE" and "556 S GRAND AVE". The sewer line is labeled "72'". The map includes a scale bar (0 to 78 Feet) and a north arrow.