ABBREVIATION

ABV	ABOVE	RAD	RADIUS
ADJ	ADJUSTABLE	REF	REFERENCE
ALT	ALTERNATE	REM	REMOVE
APPROX	APPROXIMATE	RET	RETURN
APP	APPROXIMATE	REV	REVISION
AUTO	AUTOMATIC	R.O.W.	RIGHT OF WAY
BEL	BELOW	SCH	SCHEDULE
BLK	BLOCK	SECT	SECTION
BOT	BOTTOM	SF	SQUARE FOOT
CF	CURBFACE	SHT	SHEET
CHAM	CHAMFER	SIM	SIMILAR
CIR	CIRCLE	SPEC	SPECIFICATION
CIRC	CIRCUMFERENCE	SPECS	SPECIFICATIONS
CL	CENTERLINE	SPL	SPECIAL
CLR	CLEAR	SQ	SQUARE
COL	COLUMN	STD	STANDARD
COMB	COMBINATION	SYM	SYMMETRICAL
CONT	CONTINUOUS	SYS	SYSTEM
CTR	COUNTER	TEMP	TEMPORARY
DEP	DEPRESSED	THK	THICK(NESS)
DET	DETAIL	TOL	TOLERANCE
DIAG	DIAGONAL	TYP	TYPICAL
DIAM	DIAMETER	VERT	VERTICAL
DIM	DIMENSION	WL	WHITE LINE
DIV	DIVISION	W/O	WEST OF
DN	DOWN	N/O	NORTH OF
DWG	DRAWING	S/O	SOUTH OF
EA	EACH	E/O	EAST OF
EQ	EQUAL		
EQPT	EQUIPMENT		
E.O.P.	EDGE OF PAVEMENT		
EXG	EXISTING		
FUT	FUTURE		
HD	HEAVY DUTY		
HDWR	HARDWARE		
HORZ	HORIZONTAL		
HR	HOUR		
HT	HEIGHT		
ID	INSIDE DIAMETER		
L	LENGTH		
LBL	LABEL		
MAX	MAXIMUM		
MECH	MECHANICAL		
MED	MEDIUM		
MFR	MANUFACTURER		
MIN	MINIMUM		
MIR	MIRROR		
MISC	MISCELLANEOUS		
MM	MILLIMETER(S)		
MTL	MATERIAL		
NOM	NOMINAL		
NTS	NOT TO SCALE		
OD	OUTSIDE DIAMETER		
PAR	PARALLEL		
PERI	PERIMETER		
PL	PROPERTY LINE		
PT	POINT		

UTILITY ABBREVIATIONS

VZW	VERIZON WIRELESS
SBC	SOUTHWEST BELL COMMUNICATIONS
GTE	GENERAL TELEPHONE
DWP	L.A. DEPARTMENT OF WATER & POWER
SCE	SOUTHERN CALIFORNIA EDISON
SPR	SPRINT PCS

SYMBOLS

UTILITY LINETYPE LEGEND

- VZW FIBER
- VZW EXISTING
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- OIL
- SEWER
- CABLE TV
- STORM DRAIN

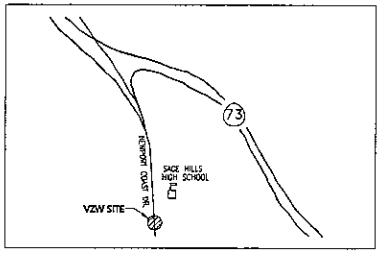
EQUIPMENT LEGEND

- [M] = 17"x48"x20" (WxHxD) MYERS ELECTRICAL METER PEDESTAL
- [CEMH] = 7'-1.5"x17"-1.5"x16'-6.25"d (WxHxD) CONTROLLED ENVIRONMENT MANHOLE
- [I] = 13"x24"x24" (WxHxD) INTERSET VAULT

SHEET INDEX

1 OF 7	TITLE SHEET
2 OF 7	SUBSTRUCTURE SITE PLAN
3 OF 7	TRENCH DETAILS
4 OF 7	EQUIPMENT DETAILS
5 OF 7	VAULTING DETAILS
6 OF 7	ELEVATIONS
7 OF 7	SURVEY

VICINITY MAP



VERIZON WIRELESS SITE LOCATION

CONSULTANT TEAMS

ENGINEERING COMPANY:
CABLE ENGINEERING SERVICES
10640 SEPULVEDA BLVD. SUITE 1
MISSION HILLS, CA. 91345
PHONE (818) 898-2352

LAND SURVEYOR:

SUN MAPS
3185 AIRWAY AVE. SUITE D-1
COSTA MESA, CA 92626
PHONE: (714) 540-7669
FAX: (714) 540-7672
CONTACT: NICO SALAZAR

STRUCTURAL ENGINEER:

PLANNING CONSULTANT:
THE PLANNING CONSORTIUM
627 NORTH MAIN STREET
ORANGE, CA 92868-1103
OFFICE: (714) 769-2510
FAX: (714) 769-1969
CONTACT: DEAN BROWN

PROJECT SUMMARY

OWNER:
PUBLIC RIGHT OF WAY

ZONING:
PUBLIC RIGHT OF WAY

APN#:
N/A

APPLICANT:
VERIZON WIRELESS
15505 SAND CANYON AVE.
IRVINE, CA 92618

PROJECT MANAGER:
VERIZON WIRELESS
TERRI GRISENTI
15505 SAND CANYON AVE.
IRVINE, CA 92618
PHONE: (949) 286-7728

CONSTRUCTION MANAGER:
VERIZON WIRELESS
ARMAND PHANEUF
PHONE: (949) 286-8733

JURISDICTION
CITY OF NEWPORT BEACH
IRIS LEE
3300 NEWPORT BLVD.
NEWPORT BEACH, CA 92658
PHONE: (949) 644-3323

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN.
ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

	PRINT NAME	SIGNATURE	DATE
LANDLORD			
VERIZON MANAGER			
RF MANAGER			
SITE ACQUISITION			
AEC			
PLANNER			

APPROVED BY:

☒ Planning Director ☐ Zoning Administrator
☐ Planning Commission ☐ City Council
☐ As Submitted ☐ As Modified
Refer to: ☐ Resolution ☒ Approval Letter
# of Pgs Approved: 7 Date: 12/13/07

verizonwireless®

Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

SAGE HILLS "D" R.O.W.
(PRELIMINARY ADDRESS)
20661½ NEWPORT COAST DR.
NEWPORT BEACH, CA 92657

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENTS FOR VERIZON WIRELESS TELECOMMUNICATIONS NETWORK. VERIZON WIRELESS TO PLACE 1-16"x48"x17" MYERS ELECTRICAL METER PEDESTAL,1-13"x24"x24" INTERSET VAULT AND 1-7'-1.5"x17'-1.5"x16'-6.25"d CONTROLLED ENVIRONMENT MANHOLE (CEMH). A TOTAL OF TWO ANTENNAS TO BE MOUNTED ON A PROPOSED NEW 30'-0" ROUND STEEL ST. LIGHT ANTENNA POLE #00318ATC.

COORDINATES	LATITUDE: 33° 36' 53.22" N	LONGITUDE: 117° 49' 33.86" W

PROPRIETARY INFORMATION
THE INFORMATION CONTAINED IN THIS SET OF ZONING DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO VERIZON WIRELESS IS STRICTLY PROHIBITED.

DATE: 11-17-04
ENGINEERED BY: C.E.S.
DRAFTED BY: C.E.S.

REV	DATE	REVISIONS	BY:
1	11-17-04	REVISED EQUIPMENT	C.E.S.
2	12-22-04	REVISED ANTENNA MOUNT	C.E.S.
3	01-13-05	EXTENDED POLE ELEVATION SHEET	C.E.S.
4	02-11-05	ADDED NOTE	C.E.S.
5	01-25-07	ADDED SITE HOLE LOCATION	C.E.S.
6	01-29-07	REVISED PER CLIENT	C.E.S.

verizonwireless
Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

CES cable engineering services
PRISCOTT COMMUNICATIONS INC.
10640 SEPULVEDA BLVD. SUITE 1
MISSION HILLS, CA 91345
(818) 898-2352 FAX (818) 896-9186

SITE NAME:
SAGE HILLS "D" R.O.W.

LOCATION:
(PRELIMINARY ADDRESS)
20661½ NEWPORT COAST DR.
NEWPORT BEACH, CA 92657

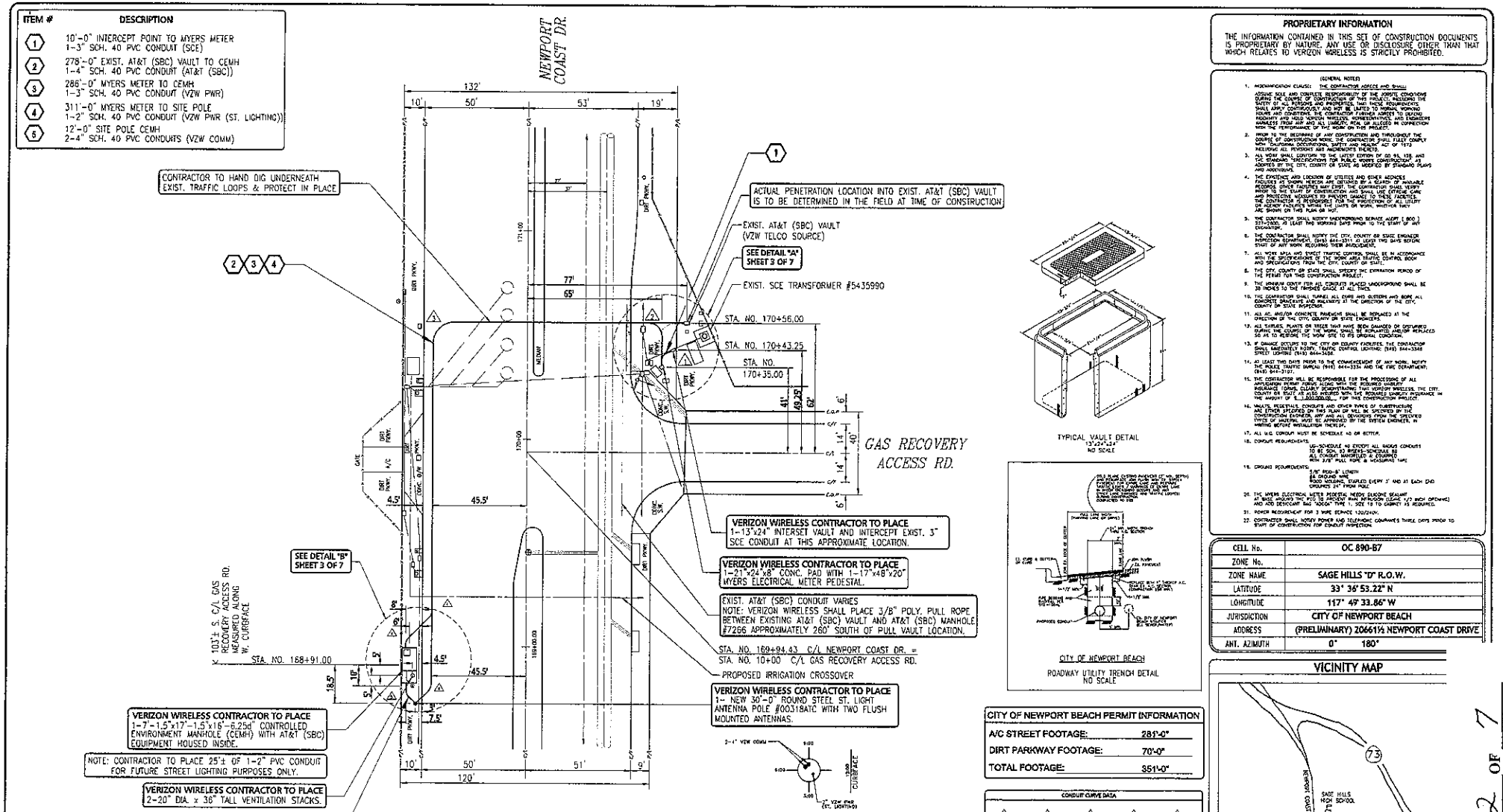
LATITUDE:
33° 36' 53.22" N
LONGITUDE:
117° 49' 33.86" W
AMSL:
584.61'

T.G. MAP NUMBER:
OC 890-B7
CITY:
NEWPORT BEACH
COUNTY:
ORANGE
PLAN NUMBER:
ATC06117
SITE TYPE:
CEMH AND ANTENNA INSTALLATION
TITLE:
TITLE SHEET
TOTAL UNDERGROUND FOOTAGE:
351'
SHEET NUMBER: 1 OF 7

PAGE 1 OF 7

PA2007-200 for TP2007-012
20661(CS) NEWPORT COAST DRIVE
Verizon Wireless

ITEM #	DESCRIPTION
1	10'-0" INTERCEPT POINT TO MYERS METER 1-3" SCH. 40 PVC CONDUIT (SCE)
2	278'-0" EXIST. AT&T (SBC) VAULT TO CEMH 1-4" SCH. 40 PVC CONDUIT (AT&T (SBC))
3	286'-0" MYERS METER TO CEMH 1-3" SCH. 40 PVC CONDUIT (VZW PWR)
4	311'-0" MYERS METER TO SITE POLE 1-2" SCH. 40 PVC CONDUIT (VZW PWR (ST. LIGHTING))
5	12'-0" SITE POLE CEMH 2-4" SCH. 40 PVC CONDUITS (VZW COMM)



TYPICAL VAULT DETAIL
13"x24"x24"
NO SCALE

CITY OF NEWPORT BEACH
ROADWAY UTILITY TRENCH DETAIL
NO SCALE

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO VERIZON WIRELESS IS STRICTLY PROHIBITED.

(GENERAL NOTES)

1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES; THAT THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER AND ENGINEER AND ANY OF THEIR AGENTS FROM AND AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THIS WORK ON THIS PROJECT.
2. PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK, THE CONTRACTOR SHALL FULLY COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1972 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
3. ALL STEEL SHALL CONFORM TO THE LATEST EDITION OF DO 94, SSS, AND ALL CONCRETE AND REINFORCING FOR PUBLIC WORKS CONSTRUCTION AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER ADDRESS FACILITIES AS SHOWN HEREON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. SUCH SEARCH MAY EXIST. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES AND OTHER FACILITIES AND PROTECTIVE MEASURES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY OR AGENCY FACILITIES WITHIN THE LIMITS OF THE WORK, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN OR NOT.
5. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) (800) 227-2600, AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION.
6. THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, (949) 644-3311, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
7. ALL NOTIFICATIONS AND EXACT TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE ORANGE AREA TRAFFIC CONTROL BOOK AND SPECIFICATIONS FROM THE CITY, COUNTY OR STATE.
8. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
9. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 30 INCHES TO THE FINISHED GRADE AT ALL TIMES.
10. THE CONTRACTOR SHALL FURNISH ALL CORE AND CUTTERS AND WORK ALL CONCRETE CORING AS AND WHERE DIRECTED AT THE DIRECTION OF THE CITY, COUNTY OR STATE INSPECTOR.
11. ALL AC AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEERS.
12. ALL STREET PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
13. IF DAMAGE OCCURS TO THE CITY OR COUNTY FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY: TRAFFIC CONTROL LIGHTING: (949) 644-3348 STREET LIGHTING (949) 644-3430.
14. AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK, NOTIFY THE POLICE TRAFFIC BUREAU (949) 644-3334 AND THE FIRE DEPARTMENT, (949) 644-3107.
15. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICATION/PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY STIPULATING THAT VERIZON WIRELESS, THE CITY, COUNTY OR STATE AS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE IN THE AMOUNT OF $ 1,000,000.00. FOR THIS CONSTRUCTION PROJECT.
16. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE AND TYPES OF COVER ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER AND ARE ALL REVISIONS FROM THE SPECIFIED TYPES OF VAULTING MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
17. ALL U.G. CONDUIT MUST BE SCHEDULE 40 OR BETTER.
18. CONDUIT REQUIREMENTS:
    UG-SCHEDULE 40 EXCEPT ALL RISERS CONDUITS TO BE SCH. 80 RISERS-SCHEDULE 80
    ALL CONDUIT MANDRELED & ROPED WITH 3/8" NYLON ROPE & MEASURING TAPE
19. GROUND REQUIREMENTS:
    5/8" ROD-8' LENGTH
    #4 GROUND WIRE
    #2AWG MINIMUM, STAPLED EVERY 3' AND AT EACH END
    GROUNDED 24" FROM POLE
20. THE MYERS ELECTRICAL METER PEDESTAL HEIGHT AT BASE GROUND TO TOP OF METER SHALL BE 60 INCHES (LEAVE 1/2 INCH OPENING) AND ADD DEVICE/UNIT SHALL DROP THRU 1 - 3/4" TO CABINET AS REQUIRED.
21. POWER REQUIREMENT FOR 3 WIRE SERVICE 120/240V.
22. CONTRACTOR SHALL NOTIFY POWER AND TELEPHONE COMPANIES THREE DAYS PRIOR TO START OF CONSTRUCTION FOR CONDUIT INSPECTION.

CELL No.	OC 890-87
ZONE No.	
ZONE NAME	SAGE HILLS "D" R.O.W.
LATITUDE	33° 36' 53.22" N
LONGITUDE	117° 49' 33.86" W
JURISDICTION	CITY OF NEWPORT BEACH
ADDRESS	(PRELIMINARY) 20661½ NEWPORT COAST DRIVE
ANT. AZIMUTH	0° 180°

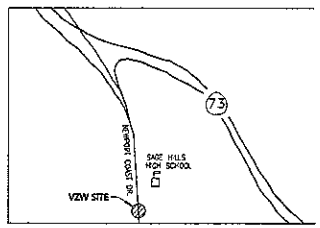
CITY OF NEWPORT BEACH PERMIT INFORMATION

A/C STREET FOOTAGE:	281'-0"
DIRT PARKWAY FOOTAGE:	70'-0"
TOTAL FOOTAGE:	351'-0"

CONDUIT CURVE DATA

R = 3'-0"	R = 6'-0"	R = 10'-0"	R = 6'-0"	R = 4'-6"
Δ = 66.87°	Δ = 90°	Δ = 90°	Δ = 45°	Δ = 45°
L = 3'-6"	L = 9'-5"	L = 15'-8"	L = 4'-8"	L = 3'-3"

VICINITY MAP



DIGALERT
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
TICKET # _____

SCALE 1"=20'

LEGEND

- VERIZON WIRELESS CONDUIT
- VERIZON WIRELESS EXISTING
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- OIL
- SEWER
- CABLE TV
- STORM DRAIN

cable engineering services
PRESCOTT COMMUNICATIONS INC.
10640 SEPULVEDA BLVD. SUITE 1
MISSION HILLS, CA 91345
(818) 898-2352 FAX (818) 898-9186

verizonwireless
Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

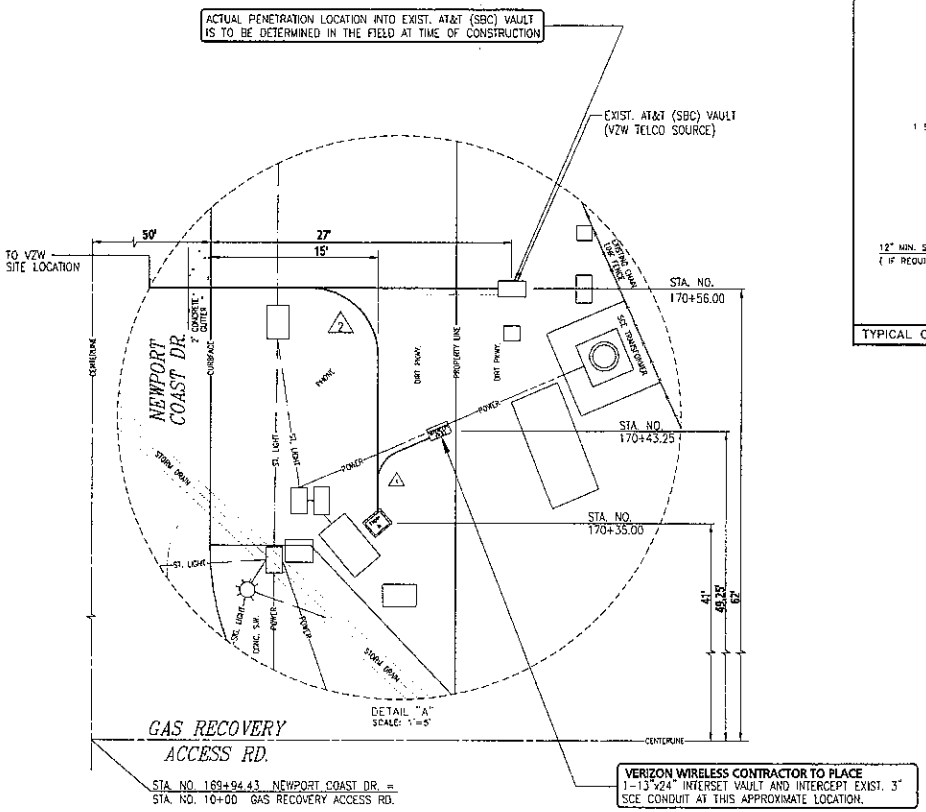
REVISIONS

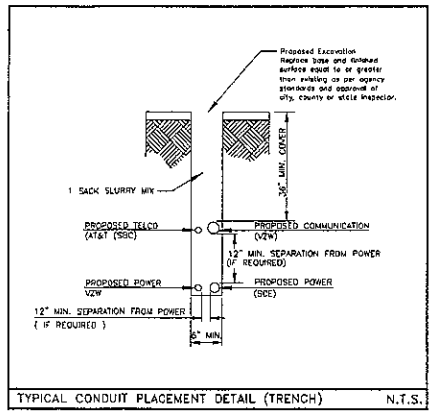
DATE	DESCRIPTION
07-20-04	REVISED TELCO EQUIPMENT
08-26-04	ADDED GPS DETAIL
11-17-04	REVISED EQUIPMENT
12-22-04	REVISED ANTENNA MOUNT
01-13-05	REMOVED POLE ELEVATION SHEET
02-11-05	ADDED NOTE
01-25-07	REVISED SITE POLE LOCATION
04-29-07	REVISED PER CLIENT

PROJECT NO.:	10556-15
PROJECT NAME:	SAGE HILLS "D" R.O.W.
T.O. PAGE NO.:	OC 890-87
TOTAL FOOTAGE:	351'
ENGINEERED BY:	C.E.S. DATE: 04-29-04
DRAFTED BY:	C.E.S. DATE: 04-29-04
ISSUE DATE:	05-03-04
SHEET TITLE	SUBSTRUCTURE SITE PLAN

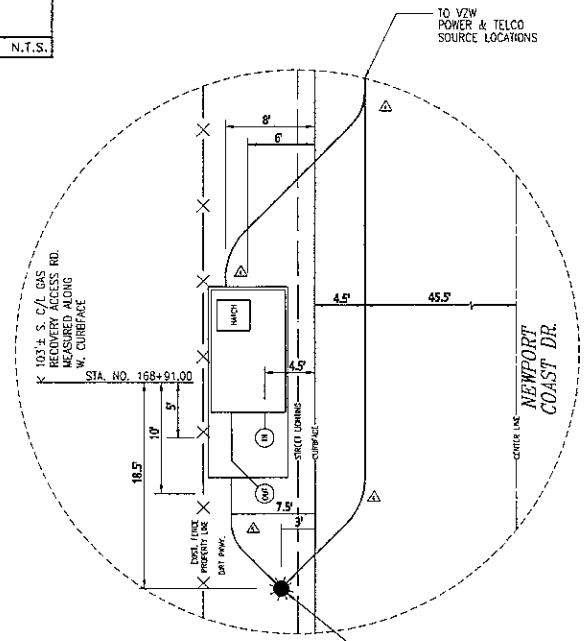
PERMIT NO.:	
DATE:	
CITY:	NEWPORT BEACH
COUNTY:	ORANGE
LOCATION:	(PRELIMINARY) ADD
	20661½ NEWPORT COAST DR
	NEWPORT BEACH, CA 92657
ZONE No.:	SHEET 2
PLAN No.:	ATC05117

PAGE 2 OF 7





TYPICAL CONDUIT PLACEMENT DETAIL (TRENCH) N.T.S.



VERIZON WIRELESS CONTRACTOR TO PLACE 1- NEW 30'-0" ROUND STEEL ST. LIGHT ANTENNA POLE #00318ATC WITH TWO FLUSH MOUNTED ANTENNAS.

PAGE 3 OF 7

DIGALERT 1-800-227-2600 AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
TICKET # _____

SCALE 1"=5'

LEGEND
- VERIZON WIRELESS CONDUIT
- VERIZON WIRELESS EXISTING
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- OIL
- SEWER
- CABLE TV
- STORM DRAIN

cable engineering services
PRESCOTT COMMUNICATIONS INC.
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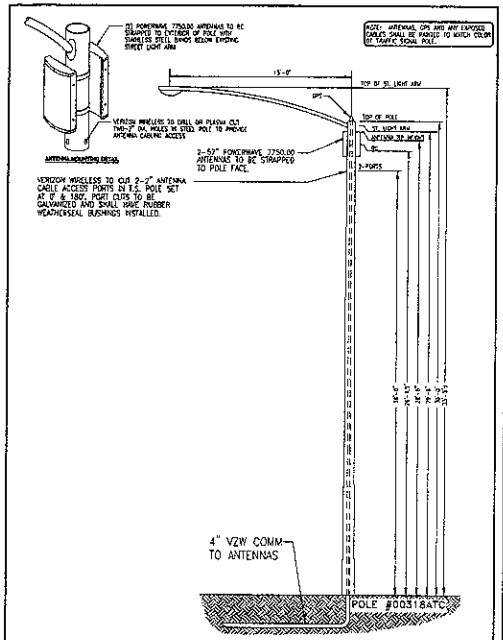
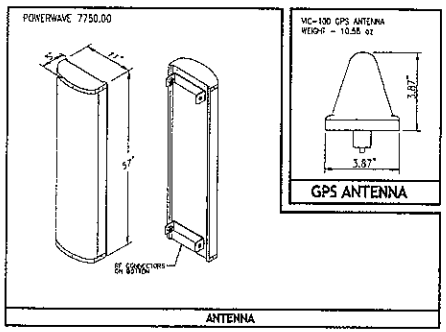
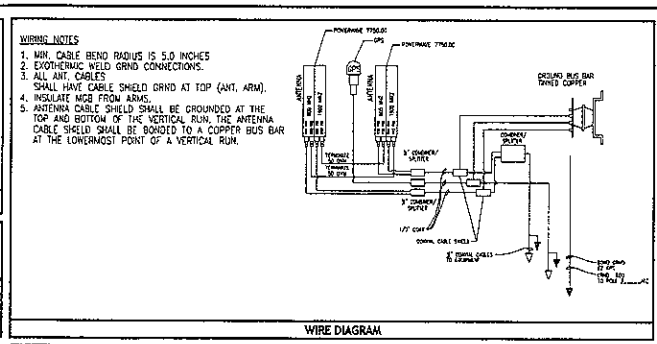
verizonwireless
Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

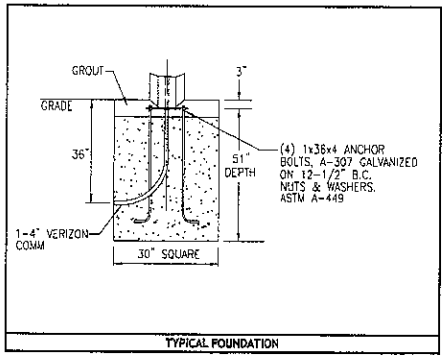
REVISIONS	
DATE	DESCRIPTION
07-25-04	REVISED TELCO EQUIPMENT
08-26-04	ADDED GPS DETAIL
11-17-04	REVISED EQUIPMENT
12-22-04	REVISED ANTENNA MOUNT
01-12-05	REMOVED POLE ELEVATION SHEET
02-11-05	ADDED NOTE
04-25-07	REVISED SITE POLE LOCATION
04-30-07	REVISED PER CLIENT

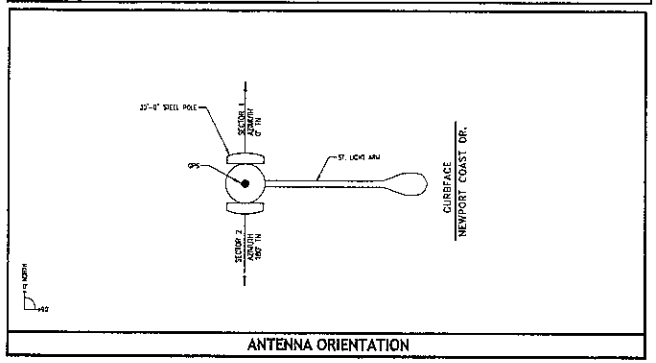
PROJECT NO.: 10558-15	PERMIT NO.:
PROJECT NAME: SAGE HILLS "S" R.O.W.	DATE:
T.C. PAGE NO.: OC 850-B7	CITY: NEWPORT BEACH
TOTAL FOOTAGE: 35'	COUNTY: ORANGE
ENGINEERED BY: C.E.S. DATE: 04-29-04	LOCATION: (PRELIMINARY ADDRESS)
DRAFTED BY: C.E.S. DATE: 04-29-04	20661½ NEWPORT COAST DR.
ISSUE DATE: 05-03-04	NEWPORT BEACH, CA 92657
SHEET TITLE: DETAILS	ZONE No.: SHEET 3 OF 7
	PLAN No.: ATC06117

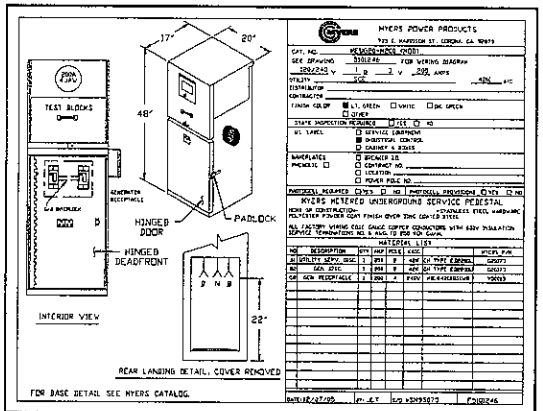


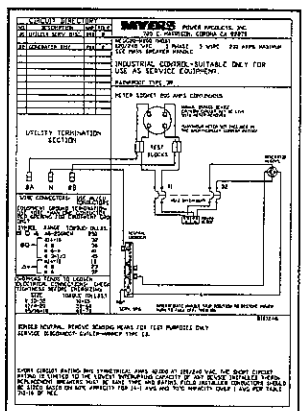


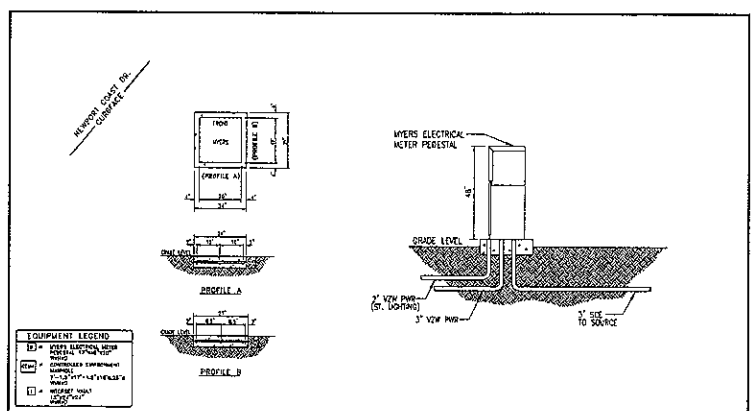












PROPRIETARY INFORMATION

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PROJECT INFORMATION

APPLICANT:	VERIZON WIRELESS 15505 SAND CANYON AVE. IRVINE, CALIFORNIA 92618 MAIL CODE: 01G429
OWNER:	VERIZON WIRELESS 15505 SAND CANYON AVE. IRVINE, CALIFORNIA 92618 MAIL CODE: 01G429
VERIZON WIRELESS CONTACT:	ARMAND PHANEUF SENIOR PROJECT ENGINEER PHONE: (949) 286-8733
SITE CONTACT ENGINEER	REID BIGGS (818) 898-2352
PROPERTY OWNER:	CITY OF NEWPORT BEACH IN PUBLIC RIGHT OF WAY

APPROVAL SIGN OFF OF CONSTRUCTION DRAWINGS

TITLE	DATE	PRINT NAME	SIGNATURE
R.F. ENGINEER			
NETWORK OPERATIONS			
CABLE ENGINEERING SERVICES			
COMMENTS:			

GENERAL INFORMATION

OSP ENG:	REID BIGGS
POLE NUMBER	00318ATC
POLE HEIGHT	36'-0"
ANTENNA TIP HEIGHT	28'-6"
X-ARM ORIENTATION	N/A
PWR E. M. OTHER	SCE
PWR PLANNER	ROGER KRENKLER
CLOSEST AVAILABLE PWR.	10'± U.G.
PWR SERV. ORDER #.	
PWR COMPLETION DATE	
PWR SERV. ORDER REF#	
PWR INSTALL DATE	
COAX: VERIZON M	AT&T (SBC)
TELCO CONTACT	CHUCK FREEMAN
CLOSEST AVAILABLE TELCO	275'± U.G.

R.F. INFORMATION

ANTENNA CONFIGURATION	(2) DIRECTIONAL ANTENNAS		
ANTENNA TYPE	POWERWAVE 7750.00		
RF ENGINEER	JEDDY LIN	ZONE #	SAGE HILLS "D" R.O.W.
STREET ADDRESS	2066½ NEWPORT COAST DR.	CITY	NEWPORT BEACH
COORDINATES	LATITUDE: 33° 36' 53.22" N	LONGITUDE: 117° 45' 33.86" W	

R.F. REQUIREMENTS

GROUND ELV.	RC AMSL	BTS LOCATION	# OF TRU'S	DIVERSITY SEP.
-	-	OMNI	-	-
AZIMUTH TH	SECTOR 1 RC	TIP HT.	SECTOR 1 ANTENNA	CABLE LENGTH(S)
0°	28'-1.5"	28'-6"	POWERWAVE 7750.00	65'
AZIMUTH TH	SECTOR 2 RC	TIP HT.	SECTOR 2 ANTENNA	CABLE LENGTH(S)
150°	28'-1.5"	28'-6"	POWERWAVE 7750.00	55'
AZIMUTH TH	SECTOR 3 RC	TIP HT.	SECTOR 3 ANTENNA	CABLE LENGTH(S)
-	-	-	-	-

DIGALERT 1-800-227-2600 AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
TICKET # _____

SCALE: N.T.S.

LEGEND

- VERIZON WIRELESS CONDUIT
- VERIZON WIRELESS EXISTING
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- OIL
- SEWER
- CABLE TV
- STORM DRAIN

CCS cable engineering services
PRESCOTT COMMUNICATIONS INC.
10640 SEPULVEDA BLVD., SUITE 1
MISSION HILLS, CA 91345
(818) 898-2352 FAX (818) 898-9156

verizonwireless
Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

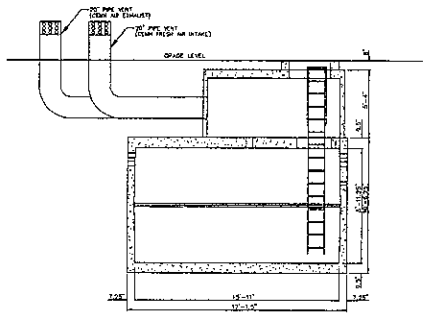
REVISIONS

DATE	DESCRIPTION
07-23-04	REVISED TELCO EQUIPMENT
08-20-04	ADDED GPS DETAIL
11-17-04	REVISED EQUIPMENT
12-22-04	REVISED ANTENNA MOUNT
01-13-05	REMOVED POLE ELEVATION SHEET
02-11-05	ADDED NOTE
01-25-07	REVISED SITE POLE LOCATION
01-29-07	REVISED PER CLIENT

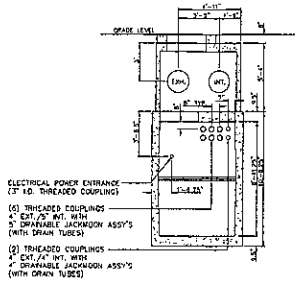
PROJECT NO.:	10556-15
PROJECT NAME:	SAGE HILLS "D" R.O.W.
T.G. PAGE NO.:	OC 895-B7
TOTAL FOOTAGE:	93'
ENGINEERED BY:	C.E.S. DATE: 04-29-04
DRAFTED BY:	C.E.S. DATE: 04-29-04
ISSUE DATE:	05-03-04
SHEET TITLE	EQUIPMENT DETAILS

PERMIT NO.:	
DATE:	
CITY:	NEWPORT BEACH
COUNTY:	ORANGE
LOCATION:	(PRELIMINARY ADDR 2066½ NEWPORT COAST DI NEWPORT BEACH, CA 92657
ZONE No.:	SHEET 4 OF 7
PLAN No.:	ATC06117

NOTES:
1. ATTACH 10 FEET OF #2 BARE SOLID COPPER WIRE (CRIMPED AND SOLDERED) TO 2-HOLE GROUND LUG. (PART # T AND B 54B11BE)
2. ATTACH 3" BLANK PVC PLUG TO EXTERIOR SIDE.

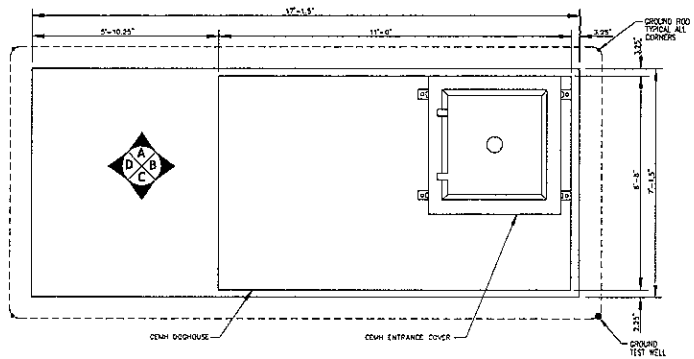


INTERIOR ELEVATION "A"

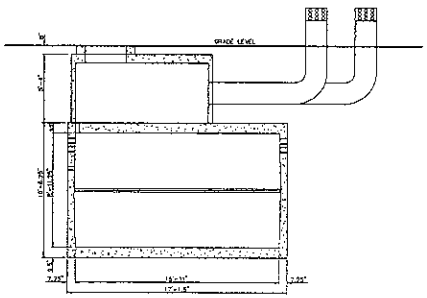


INTERIOR ELEVATION "B"

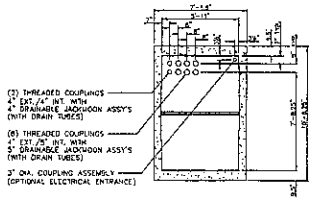
NOTE:
CONTRACTOR TO PLACE TELCO BOARD AS NEEDED (2'x3')



OVERHEAD VIEW



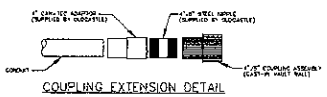
INTERIOR ELEVATION "C"



INTERIOR ELEVATION "D"

STRUCTURAL NOTES:
1.) CONCRETE: f'c= 5,000 PSI @ 28 DAYS
2.) REBAR: ASTM A-615 GRADE 60
3.) MESH: ASTM A-185 GRADE 65
4.) DESIGN: ACI-318-89 UNIFORM BUILDING CODE
ASTM C-857 (MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES)
5.) LOADS: HS20-44 W/30% IMPACT PER AASHTO
80 PCF LATERAL LIVE LOAD SURCHARGE-UP TO 8'-0" DEPTH
SOIL: 40 PCF LATERAL SOIL PRESSURE ABOVE WATER TABLE
80 PCF LATERAL SOIL PRESSURE BELOW WATER TABLE
120 PCF SOIL DENSITY
6.) SOIL COVER: 0'-0" TO 5'-0" (MAX.)
7.) WATER TABLE: 5'-0" BELOW GRADE

GENERAL NOTES:
1.) ALL JOINT SHALL BE SEALED USING CONSEAL CS-101 BUTYL RUBBER ROPE.



COUPLING EXTENSION DETAIL

CONTROLLED ENVIRONMENT MANHOLE (CEMH)

DIGALERT
1-800-227-2600
#1 (LEAST TWO DAYS BEFORE YOU DIG)
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
TICKET # _____

SCALE
N.T.S.

LEGEND
- VERIZON WIRELESS CONDUIT
- VERIZON WIRELESS EXISTING
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- O/L
- SEWER
- CABLE TV
- STORM DRAIN

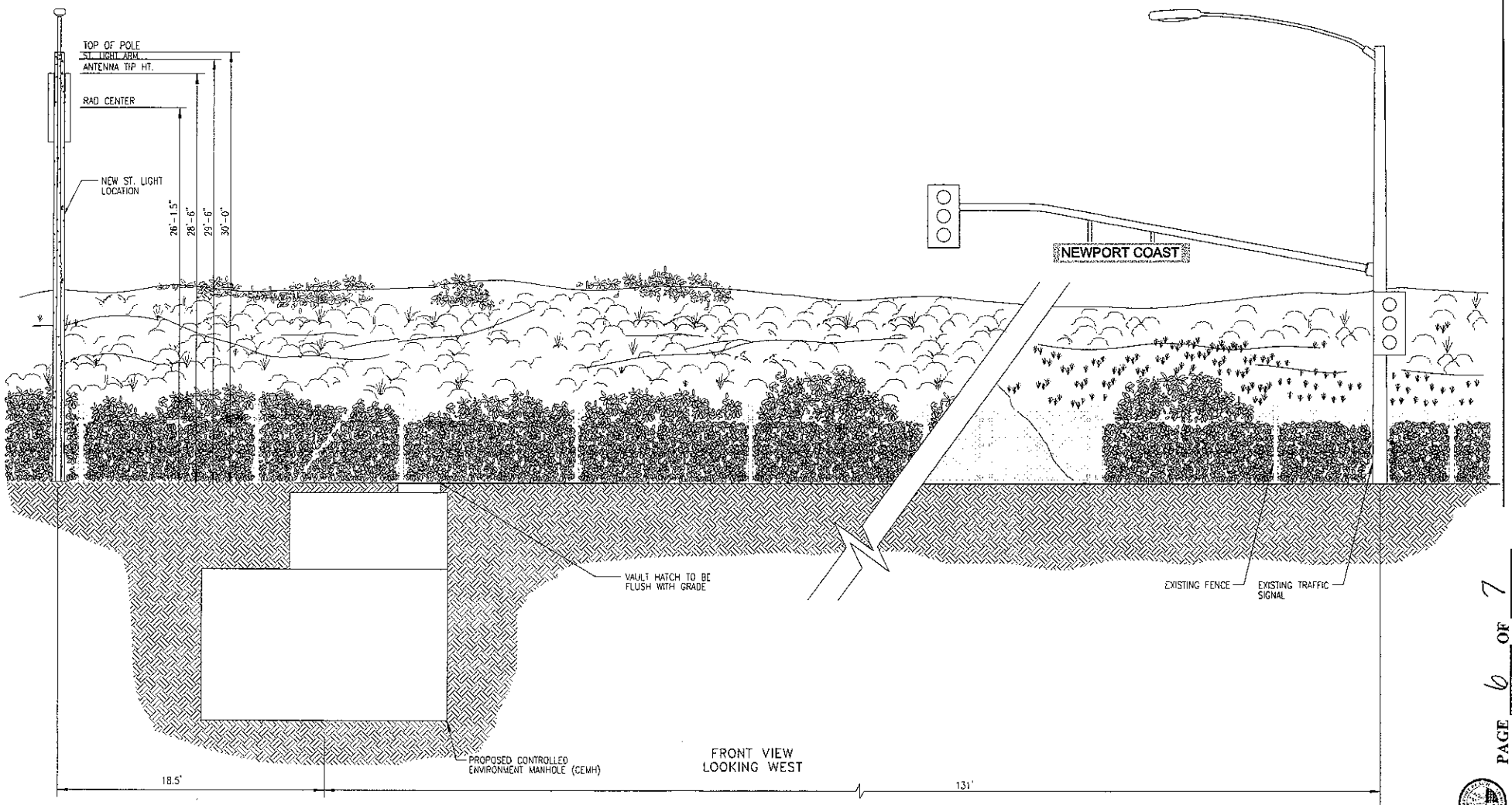
CES cable engineering services
PRESCOTT COMMUNICATIONS INC.
10640 SEPULVEDA BLVD. SUITE 1
MISSION HILLS, CA 91345
(818) 898-2352 FAX (818) 898-9186

verizonwireless
Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

REVISIONS	
DATE	DESCRIPTION
07-20-04	REVISED TELCO EQUIPMENT
06-28-04	ADD GPS DETAIL
11-17-04	REVISED EQUIPMENT
10-22-04	REVISED ANTENNA MOUNT
04-13-05	REVISED POLE ELEVATION SHEET
02-11-05	ADDED NOTE
01-25-07	REVISED SITE POLE LOCATION
01-29-07	REVISED PER CLIENT

PROJECT NO.:	10556-15
PROJECT NAME:	SAGE HILLS "I" R.O.W.
T.O. PAGE NO.:	OC 890-B7
TOTAL FOOTAGE:	351'
ENGINEERED BY:	C.E.S. DATE: 04-29-04
DRAFTED BY:	C.E.S. DATE: 04-29-04
ISSUE DATE:	05-03-04
SHEET TITLE	DETAILS

PERMIT NO.:	
DATE:	
CITY:	NEWPORT BEACH
COUNTY:	ORANGE
LOCATION:	(PRELIMINARY ADDRESS) 206611/2 NEWPORT COAST DR. NEWPORT BEACH, CA 92657
ZONE No.:	SHEET 5 OF 7
PLAN No.:	ATC06117



FRONT VIEW
LOOKING WEST

DIGALERT
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
TICKET # _____

SCALE 1" = 5'

LEGEND

- VERIZON WIRELESS CONDUIT
- VERIZON WIRELESS EXISTING
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- OIL
- SEWER
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Southern California
15505 Sand Canyon Ave. Irvine, CA 92618

REVISIONS	
DATE	DESCRIPTION
02-05-04	REVISED PER CLIENT
01-26-07	REVISED PER CLIENT

PROJECT NO.:	10260-15	PERMIT NO.:	
PROJECT NAME:	SAGE HILLS "D" R.O.W.	DATE:	
T.C. PAGE NO.:	OC 890-B7	CITY:	NEWPORT BEACH
TOTAL FOOTAGE:		COUNTY:	ORANGE
ENGINEERED BY:	C.E.S. DATE: 04-29-04	LOCATION:	(PRELIMINARY ADDRESS)
DRAFTED BY:	C.E.S. DATE: 04-29-04		2066115 NEWPORT COAST DR.
ISSUE DATE:	03-03-04		NEWPORT BEACH, CA 92657
SHEET TITLE	POLE ELEVATION	ZONE No.:	SHEET 6 OF 7
		PLAN No.:	ATC06117

GEOGRAPHIC COORDINATES

(NAD83) LATITUDE 33° 38' 43.04" LONGITUDE 117° 48' 33.48"

FLOOD INFORMATION

THE SITE IS LOCATED WITHIN FLOOD ZONE "X" PER FLOOD INSURANCE RATE MAP NO. 06059C0043H DATED FEBRUARY 15, 2006

DATE OF SURVEY

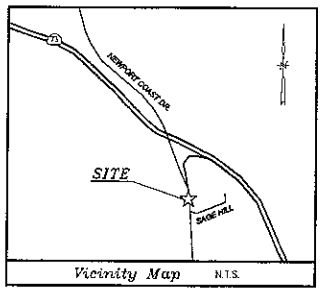
JANUARY 25, 2005

BASIS OF BEARINGS

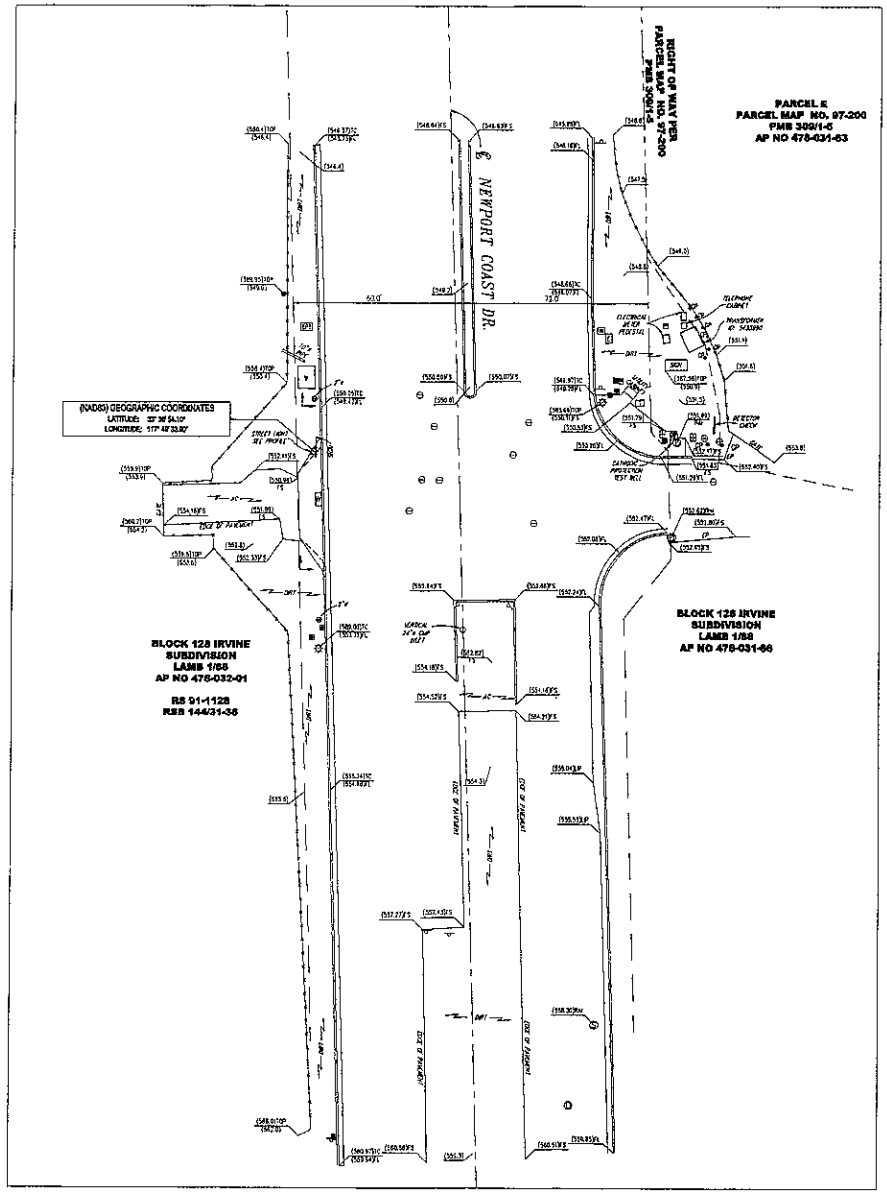
THE CALIFORNIA COORDINATE SYSTEM (NAD83)

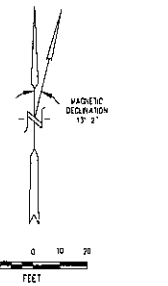
BENCH MARK (NAVD88)

ORANGE COUNTY SURVEYOR BENCHMARK NO. 37-R-42



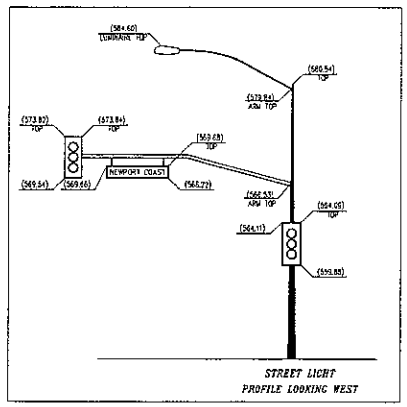
Vicinity Map N.T.S.





LEGEND

UTILITY/POWER POLE	SIGNAL PULLBOX	GR	GRADE BREAK
SEWER MANHOLE	CABLE TV PULLBOX	BFV	BACK FLOW VALVE
STORM DRAIN MANHOLE	COMMUNICATIONS PULLBOX	BW	BACK OF WALK
TELEPHONE MANHOLE	UNKNOWN PULLBOX	TW	TOP OF WALL
FIRE HYDRANT	FIRE DEPT. CONNECTION	AC	ASPHALT PAVEMENT
FLOOD LIGHT	CHAIN LINK FENCE	(12.34)	EXISTING ELEVATION
HOSE BIB	WOOD FENCE		CENTERLINE
SEWER CLEANOUT	BLOCK WALL		TELEPHONE PULL BOX
WATER SERVICE	TREE		ELECTRIC PULL BOX
GAS VALVE	PALM		CONCRETE
WATER METER	PINE		IRRIGATION VALVE
GAS METER	BUSH		GUARD POST
WATER VAULT	TRASH ENCLOSURE		CENTERLINE
GAS VAULT	ELECTRICAL TRANSFORMER		PROPERTY LINE
TELEPHONE VAULT	FINISHED SURFACE		FLOW LINE
ELECTRIC VAULT	FINISHED FLOOR		UTILITY MARKER
SIGNAL VAULT	NATURAL GROUND		GRATE
MONITORING WELL	TOP OF CURB		HANDICAP
STREET LIGHT	FLOW LINE		FLAG POLE
TRAFFIC SIGNAL	TOP OF GRATE		FIRE SPRINKLER RISER
PEDESTRIAN BUTTON	TOP ELEVATION		SURVEY MONUMENT
SPY WIRE	BOTTOM ELEVATION		SIGN POST
PARKING SIGNAL	CAR STOP		RIVET
WATER BLOWOFF	BENCH		MAIL BOX



STREET LIGHT PROFILE LOOKING WEST

PROPRIETARY INFORMATION

NOT FOR USE OR DISCLOSURE OUTSIDE VERIZON EXCEPT UNDER WRITTEN AGREEMENT

DATE	APPROVED	DATE
APP'T		
ASC		
RF		
RF		
PM		
LOUM		
OPS		
RFLOAT		

Engineer/Consultant: Sam Hee, 3161 KASHWAY AVENUE SUITE D-3, PORTER RANCH, CA 91326, PHONE (818) 340-3989, FAX (818) 340-3973

Drawn By: LMT Job No. 3019

Architect: C&S companies, 1960 Gateway Boulevard, Suite 1, Concord, California 94520, PROJECT COORDINATORS INC., 1960 GATEWAY BLVD. SUITE 1, CONCORD, CA 94520, PHONE (925) 676-1900, FAX (925) 676-1909

verizonwireless, Southern California, 15505 Sand Canyon Ave., Irvine, CA 92618

SAGE HILLS "D"

20881 1/2 NEWPORT COAST DR. NEWPORT BEACH, CA 92656

EIGHT OF WAY

REVISIONS			
0	01-25-05	LMT	SUBMITTAL

Sheet C1