STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
TELECOMMUNICATIONS DIVISION
SACRAMENTO, CA 95814

INLAND EMPIRE TMC
SAN BERNARDINO COUNTY, CALIFORNIA
120' SELF SUPPORTING COMMUNICATION TOWER

ABBREVIATIONS

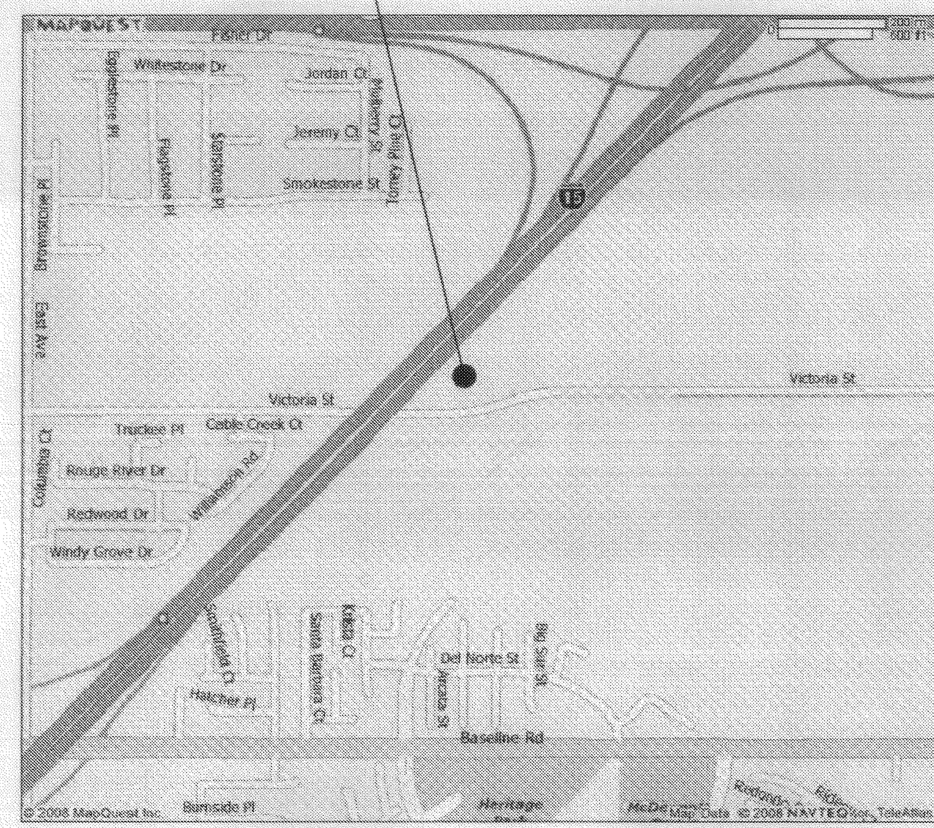
A.B.	ANCHOR BOLT	HR	HOUR
ADJ	ADJUSTABLE/ADJACENT	HT	HEIGHT
AFF	ABOVE FINISH FLOOR	I.D.	INSIDE DIAMETER
ALT	ALTERNATE	INSUL	INSULATION
ALUM	ALUMINUM	INT	INTERIOR
ANT	ANTENNA	JT	JOINT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	LAM	LAMINATED
BD	BOARD	L.N.A.	LOW NOISE AMPLIFIER
BLDG	BUILDING	MAT'L	MATERIAL
BLK'G	BLOCKING	MAX	MAXIMUM
BM	BEAM	MECH	MECHANICAL
B.N.	BOUNDRY NAILING	MED	MEDIUM
B.O.	BOTTOM OF	MFR	MANUFACTURER
C	CONDUIT	MIN	MINIMUM
CHAM	CHAMFER	MIR	MIRROR
C.I.P.	CAST IN PLACE	MISC	MISCELLANEOUS
CIR	CIRCLE	MM	MILLIMETER(S)
CIRC	CIRCUMFERENCE	M.O.	MASONRY OPENING
CLR	CLEAR	MTD	MOUNTED
C.M.O.	COMPACT METRO CELL OUDOOR	MTL	METAL
C.M.U.	CONCRETE MASONRY UNIT	(N)	NEW
COL	COLUMN	N.I.C.	NOT IN CONTRACT
COMB	COMBINATION	NOM	NOMINAL
CONC	CONCRETE	N.T.S.	NOT TO SCALE
CONS	CONSTRUCTION	o.c.	ON CENTER
CONT	CONTINUOUS	O.D.	OUTSIDE DIAMETER
CTR	CENTER	OPNG	OPENING
D.B.	DIRECT BURIAL	OPP	OPPOSITE
DBL	DOUBLE	(P)	PROPOSED
DET	DETAIL	PERI	PERIMETER
D.F.	DOUGLAS FIR	PL	PLATE OR PROPERTY LINE
DIA	DIAMETER	PLAST	PLASTER
DIM	DIMENSION	PT	POINT
DIV	DIVISION	P.T.	PRESSURE TREATED
DN	DOWN	R	RADIUS
DR	DOOR	R.D.	ROOF DRAIN
D.S.	DOWN SPOUT	REF	REFERENCE
DWG	DRAWING	REQ'D	REQUIRED
(E)	EXISTING	REV	REVISION
EA	EACH	R.J.	ROOF JOIST
EL	ELEVATION	RM	ROOM
E.N.	EDGE NAILING	R.O.	ROUGH OPENING
E.O.	EDGE OF	R.O.W.	RIGHT OF WAY
E.O.S.	EDGE OF SLAB	RT	ROUTE
EPS	EXPANDED POLYSTYRENE	SCHED	SCHEDULE
EQ	EQUAL	SECT	SECTION
EQUIP	EQUIPMENT	SHT	SHEET
EXT	EXTERIOR	SIM	SIMILAR
F.D.	FLOOR DRAIN	SPEC	SPECIFICATION(S)
FIN	FINISH	SQ	SQUARE
F.J.	FLOOR JOIST	SQ.FT.	SQUARE FOOT
FLR	FLOOR	S.S.	STAINLESS STEEL
F.N.	FIELD NAILING	STD	STANDARDS
FND	FOUNDATION	STL	STEEL
F.O.	FACE OF	SUSP	SUSPENDED
F.O.C.	FACE OF CONC/CURB	SYM	SYMETRICAL
F.O.F.	FACE OF FINISH	TEL-TELE	TELEPHONE
F.O.M.	FACE OF MASONRY	TEMP	TEMPORARY/TEMPERATURE
F.O.S.	FACE OF STUD	THK	THICK(NESS)
FR	FRAME	T&B	TOP & BOTTOM
F.R.P.	FIBERGLASS REINFORCED PLASTIC	T.O.	TOP OF
F.S.	FINISH SURFACE	T.O.C.	TOP OF CONCRETE OR CURB
FT	FEET	T.O.M.	TOP OF MASONRY
FTG	FOOTING	T.O.P.	TOP OF PLATE
FUT	FUTURE	T.O.W.	TOP OF WALL
GA	GAUGE	T.M.A.	TOWER MOUNTED AMPLIFIER
GALV	GALVANIZED	TYP	TYPICAL
GL	GLASS	U.G.	UNDER GROUND
G.L.B.	GLUE LAM BEAM	U.N.O.	UNLESS NOTED OTHERWISE
GYP	GYPSUM	V.I.F.	VERIFY IN FIELD
H.B.	HOSE BIBB	VERT	VERTICAL
H.D.	HEAVY DUTY	V.C.T.	VINYL COMPOSITION TILE
HDWR	HARDWARE	W.P.	WATER/WEATHER PROOF
H.M.	HOLLOW METAL	WT	WEIGHT
HORIZ	HORIZONTAL	W/	WITH
		W/O	WITHOUT
		XFMR	TRANSFORMER

NOTE:
SEE CONSULTANT/ENGINEERING SHEETS FOR ADDITIONAL LISTS OF ABBREVIATIONS

- ☐ All work shall conform to Title 24, California Code of Regulations (CCR)
- ☐ Changes to the approved drawings and specifications shall be made by an addendum or a change order approved by the Division of the State Architect, as required by Section 4-333, Part 1, Title 24, CCR.
- ☐ A project inspector employed by the district (owner) and approved by the Division of the State Architect shall provide continuous inspection of the work. The duties of the inspector are defined in Section 4-342, Part 1, Title 24, CCR; **CLASS** I
- ☐ Grading plans, drainage improvements, road and access requirements and environmental health considerations shall comply with all local ordinances.

VICINITY MAP

SITE LOCATION



NORTH

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A TELECOMMUNICATIONS TOWER TO INCLUDE THE FOLLOWING:

- INSTALLATION OF (1) 120 FT TALL SELF SUPPORTING TELECOMMUNICATIONS TOWER AND ITS FOUNDATION.
- INSTALLATION OF VARIOUS ANTENNAS AT VARIOUS ELEVATIONS. (SHEET ANTENNA TABLE ON E1)
- INSTALLATION OF (1) COAX CABLE LADDER ON 1 FACE OF TOWER.
- INSTALLATION OF (1) INSIDE CLIMB LADDER.
- INSTALLATION OF (2) WORK PLATFORMS.
- INSTALLATION OF (1) TOWER GROUNDING KIT.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING CODE (INCL TITLES 24) 2007
2. UNIFORM MECHANICAL CODE 2007
3. ANSI/EIA-222-F
4. UNIFORM PLUMBING CODE 2007
5. NATIONAL ELECTRIC CODE 2007
6. CITY/COUNTY ORDINANCES
7. CALIFORNIA FIRE CODE 2007

GOVERNING JURISDICTION:	FONTANA, COUNTY OF SAN BERNARDINO, CA
AREA OF PROPOSED CONSTRUCTION:	±485 SQ. FT.
OCCUPANCY TYPE:	B
CONSTRUCTION TYPE:	TYPE IIB
HEIGHT OF CONSTRUCTION:	120 FT.
PROPOSED OCCUPANCY TYPE:	B
PROPOSED CONSTRUCTION TYPE:	TYPE IIB
CURRENT ZONING:	MVPD:MV-CO

APPLICANT/LESSEE

STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
TELECOMMUNICATIONS DIVISION
SACRAMENTO, CA 95814

PROPERTY INFORMATION

OWNER: STATE OF CALIFORNIA
ADDRESS: INLAND EMPIRE TMC
FONTANA, SAN BERNARDINO COUNTY, CA
CONTACT: RAFAT ALAFRANJI
PHONE: 916-376-1738

ZONING PERMIT #:
A.P.N.:

SPECIAL INSPECTIONS

1 CONCRETE
2 BOLTS INSTALLED IN CONCRETE
3 CONCRETE MOMENT-RESISTING SPACE FRAME
4 REINFORCING STEEL AND PRE STRESSING STEEL
5.1 ALL STRUCTURAL WELDING
5.2 WELD TESTING DUCTILE MOMENT-RESISTING STEEL FRAME
5.3 WELDING REINFORCING STEEL
6 HIGH-STRENGTH BOLTING
7 STRUCTURAL MASONRY
8 REINFORCED GYPSUM CONCRETE
9 INSULATING CONCRETE FILL
10 SPRAY-APPLIED FIREPROOFING
11 DEEP FOUNDATIONS (PILING, DRILLED & CAISSONS)
12 SHOTCRETE
13.1 VERIFY SOIL CONDITIONS ARE SUBSTANTIALLY IN CONFORMANCE WITH THE SOIL INVESTIGATION REPORT
13.2 VERIFY THAT FOUNDATION EXCAVATIONS EXTEND TO PROPER DEPTH AND BEARING STRATA
13.3 PROVIDE SOIL COMPACTION TEST RESULTS, DEPTH OF FILL, RELATIVE DENSITY, BEARING VALUES
13.4 PROVIDE SOIL EXPANSION TEST RESULTS, EXPANSION INDEX, RECOMMENDATIONS FOR FOUNDATIONS, ON-GRADE FLOOR SLAB DESIGN FOR EACH BUILDING SITE
14 SMOKE CONTROL SYSTEM
15 SPECIAL CASES (DESCRIBE)
16 OFF-SITE FABRICATION OF BUILDING COMPONENTS
17 OTHER SPECIAL INSPECTIONS AS REQUIRED BY DESIGNER

NO.	DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS, ETC.
2	SPECIAL INSPECTION OF BOLT INSTALLATION SHALL BE PROVIDED BY DSA APPROVED SPECIAL INSPECTOR. FIELD INSPECTION OF HIGH STRENGTH BOLT INSTALLATION, NUTS, AND WASHER PER 2007 CALIFORNIA BUILDING CODE.
5.1	WELD INSPECTION SHALL BE DONE DURING WELDING BY AN A.W.S. (AMERICAN WELDING SOCIETY) CERTIFIED DSA APPROVED WELDING INSPECTOR (C.W.S.)
6	SPECIAL INSPECTION OF HIGH-STRENGTH BOLT INSTALLATION SHALL BE PROVIDED BY DSA APPROVED SPECIAL INSPECTOR. FIELD INSPECTION OF HIGH-STRENGTH BOLT INSTALLATION, NUTS, AND WASHER PER 2007 CALIFORNIA BUILDING CODE.
13.1 & 13.2	OBSERVATION OF SUBGRADE PREPARATION AND FOUNDATION CONSTRUCTION OPERATION BY GEOTECHNICAL ENGINEER
17	ALL TEST AND SPECIAL INSPECTION SHALL BE MADE BY AN AGENCY APPROVED BY THE ARCHITECT, OWNER, AND DSA. THE OWNER SHALL PAY FOR TEST AND SPECIAL INSPECTION.

CONSULTANTS

DMJM H&N
999 TOWN & COUNTRY ROAD
ORANGE, CA 92868
CONTACT: TOM GRANT
PHONE: 714-567-2639

PLATINUM ENGINEERING SOLUTIONS, INC.
10648 N. HWY 41
MADERA, CA 93638
CONTACT: NASER SALEM
PHONE: 559-439-0500

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			
SITE ACQUISITION			
ZONING			
RF ENGINEER			
CONSTRUCTION MANAGER			

SHEET INDEX

G-000-III	COVER SHEET VOLUME III
T1	TITLE SHEET
G-100	ACCESSIBILITY SITE PLAN (FOR REFERENCE ONLY)
G1	GENERAL NOTES SHEET
E1	TOWER ELEVATION
A1.1 / A1.2	T-21B TOWER SECTION / T-21B ASSEMBLY
A2.1 / A2.2	T-18 TOWER SECTION / T-18 ASSEMBLY
A3.1 / A3.2	T-16 TOWER SECTION / T-16 ASSEMBLY
A3.3 / A3.4	T-16 PLATFORM ASSEMBLY / T-16 PLATFORM DETAILS
A4.1 / A4.2	T-13 TOWER SECTION / T-13 ASSEMBLY
A4.3 / A4.4	T-13 PLATFORM ASSEMBLY / T-13 PLATFORM DETAILS
A5.1 / A5.2	T-11 TOWER SECTION / T-11 ASSEMBLY
A6.1 / A6.2	T-9S TOWER SECTION / T-9S ASSEMBLY
A7	DISH MOUNT ASSEMBLY
A8	FACE DISH MOUNT ASSEMBLY
A9	LADDER ASSEMBLY
F1	FOUNDATION PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 109636
AC KA FLS FE SS RPH
DATE OCT 28 2008
FLS: F. Ferber
ACS: Kai Lo
SSS: R. Huxley

PLAN NORTH

PROJECT

INLAND EMPIRE TMC
Caltrans CHP
DISTRICT 8 / INLAND DIVISION
13892 VICTORIA STREET
FONTANA, CA 92336

CLIENT

DGS
STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
REAL ESTATE SERVICES DIVISION
PROJECT MANAGEMENT BRANCH
400 R STREET, SUITE 5100
SACRAMENTO, CA 95814
PROJECT DIRECTOR : REG EDEN
TELEPHONE : (916) 376-1719

DESIGNER

DMJM H&N | AECOM
999 TOWN & COUNTRY ROAD, ORANGE CALIFORNIA 92868
T: 714-567-2400 F: 714-543-0955 www.dmjm.com

CONSULTANT

PLATINUM
Engineering Solutions, Inc.
Commercial · Industrial · Residential · Towers
10648 N. HWY 41
Madera, CA 93638-9469
Tel: (559) 439-0500
Fax: (559) 433-6433
Info@Platinumengineering.com

STATUS

OCT. 27, 2008

ISSUE

MARK	DATE	DESCRIPTION

PROJECT NO: 00000000.0000
DRAWN BY:
CHECKED BY:

STAMP

LICENSED ARCHITECT KENT P. ROOKER STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER NASER S. SALEM No. 59286 CIVIL STATE OF CALIFORNIA

SHEET TITLE

TITLE SHEET

T1