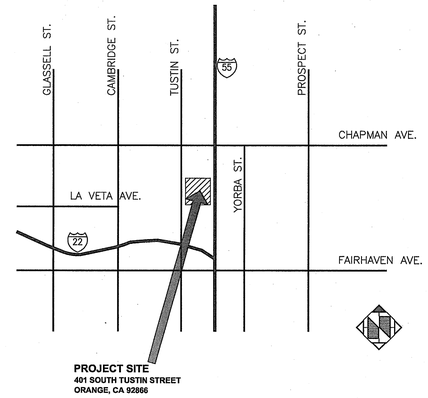
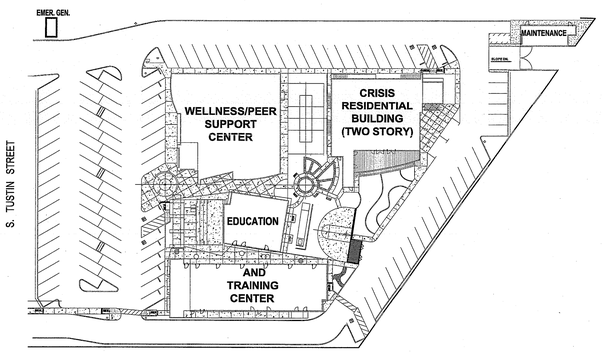
CITY OF ORANGE
PUBLIC WATER OFF-SITE IMPROVEMENT PLANS
401 SOUTH TUSTIN STREET
ORANGE, CA. 92866

VICINITY MAP



SITE MAP



STANDARD ABBREVIATIONS

Driveway	Drwy
Concrete	Conc
Delta	Δ
Radius	R
Semitangent Distance	T
Arc Length, Along Curve	L
Begin Curve	BC
Point of Reverse Curve	PR.C.
End of Curve	E.C.
Point of Tangency	P.T.
Begin Curb Return	B.C.R.
End Curb Return	E.C.R.
Begin Vertical Curve	B.V.C.
Point of Reverse Vertical Curve	P.R.V.C.
End of Vertical Curve	E.V.C.
Point of Intersection	P.I.
Center Line	℄
Property Line	ℙ
Right of Way	R/W
Native Soil	N.S.
Asphaltic Concrete	A.C.
Aggregate Base	A.B.
Aggregate Subbase	A.S.
Imported Subbase Material	I.S.M.
Concrete Treated Base	C.T.B.
Curb Face	C.F.
Top of Curb	T.C.
Flow Line	℄
Invert	Inv.
Hydrologic Grade Line	H.G.L.
Catch Basin	C.B.
Reinforced Concrete Pipe	R.C.P.
Reinforced Concrete Box	R.C.B.
Concrete Pipe	C.P.
Cast In Place Concrete Pipe	C.I.P.C.P.
Corrugated Metal Pipe (Arched)	C.M.P.(A.)
Asbestos Cement Pipe	A.C.P.
Cast Iron Pipe	C.I.P.
Vitrified Clay Pipe	V.C.P.
Polyvinyl Chloride Pipe	P.V.C.
Manhole (Type as Indicated)	M.H.
Pavement	Pvmt.
Headwall	Hdwl.
Future	Fut.
Abandoned	Abnd.
Metropolitan Water District	M.W.D.
Arterial Highway Financing Program	A.H.F.P.
Orange County Flood Control District	O.C.F.C.D.
Santa Ana Valley Irrigation Co.	S.A.V.I.
Environmental Management Agency (County of Orange)	E.M.A.
Sidewalk	S.W.
Finished Grade	F.G.
Stress Absorbing Membrane Interlayer	S.A.M.I.

PLAN SYMBOLS

Center Line	
Right of Way Line (Prop. Line)	
Existing Curb	
Future Curb	
Existing Curb & Gutter	
Construct Curb	
Construct Curb & Gutter	
Existing Concrete, Walk, Etc.	
Fence (Type as Indicated)	X X X
Walls: Concrete / Brick	Stone
Building Corner	
Existing Railroad	
Trees: Palm / Shrub	Other / Hedge
Fire Hydrant	FH
Water Valve	WV
Water Meter	WM
Manhole (Type as Indicated)	SMH
Vault with Manhole (Type as Indicated)	TMH
Gas Meter	GM
Gas Valve	GV
Light Standard (Indicate Number)	LS#
Traffic Signal	
Railroad Signal	
Power or Telephone Pole (Indicate Number)	
Deadman	
Guy Anchor	
Reflector Paddle Board	
Road or Stop Sign	
Stand Pipe (Indicate Type)	SP
Sewer Line (Indicate Size)	8" S
Water Line " "	12" W
Gas Line " "	3" G
Underground Power (No. of Ducts)	E
Underground Telephone	T
Underground T.V. Cable	TV
Existing Culvert (Indicate Size & Type)	
Existing Edge of Pavement	
Slope	
Traffic Inductive Loops	
Traffic Signal Conduit	2" C
Pull Box (Indicate Type)	TPB
Traffic Signal Controller	
Irrigation Line (Indicate Type)	24"
Proposed AC Pavement	
Proposed AC Cap, Overlay	
Proposed P.C.C. Construction	

PROFILE SYMBOLS

Existing Ground	295 or
Existing Oil Surface	
Grade Break	
Point of Intersection	

SOILS ENGINEERING:

AMERICAN GEOTECHNICAL, INC.
22725 OLD CANAL ROAD
YORBA LINDA, CA 92887
(714)685-3909

NOTICE TO CONTRACTOR:

1. NOTIFY RICK BICKER OR TIM HATCH OF METROPOLITAN WATER DISTRICT'S (M.W.D.) SYSTEM OPERATIONS GROUP, TELEPHONE (714) 577-5084 AT LEAST TWO WORKING DAYS PRIOR TO STARTING ANY WORK IN THE VICINITY OF MWD'S FACILITIES.
2. FACILITIES CONSTRUCTED WITHIN METROPOLITAN WATER DISTRICT'S PERMANENT EASEMENT RIGHT-OF-WAY SHALL BE SUBJECT TO THE PARAMOUNT RIGHT OF METROPOLITAN TO USE THE EASEMENT FOR THE PURPOSE FOR WHICH IT WAS ACQUIRED. IF AT ANY TIME METROPOLITAN OR IT'S ASSIGNS SHOULD, IN THE EXERCISE OF THEIR RIGHTS, FIND IT NECESSARY TO REMOVE ANY OF THE FACILITIES FROM THE EASEMENT, SUCH REMOVAL AND REPLACEMENT SHALL BE AT THE EXPENSE OF THE OWNER OF THE FACILITY.
3. A LIST AND THE SPECIFICATIONS OF ALL CONSTRUCTION EQUIPMENT TO BE USED IN THE AREA OF M.W.D.'S PIPELINE MUST BE SUBMITTED FOR OUR REVIEW AND WRITTEN APPROVAL AT LEAST 30 DAYS PRIOR TO THEIR USE. PLEASE NOTE THAT M.W.D. WILL NOT PERMIT THE STORAGE OF CONSTRUCTION EQUIPMENT, THE STOCKPILING OF MATERIALS (INCLUDING SOIL), OR THE USE OF ANY VIBRATORY EQUIPMENT IN VIBRATORY MODE, WITHIN 25 FEET OF THE CENTERLINE OF M.W.D.'S PIPELINE.

DRAWING INDEX

DESCRIPTION	SHEET
TITLE SHEET	W-1
OFFSITE WATER PLAN	W-2
WATER STANDARDS AND SPECIFICATIONS	W-3 & W-4

REGISTERED PROFESSIONAL ENGINEER — KENNETH C. TAYLOR — REGISTERED NO. 56185 — CIVIL — EXP. 12-31-10 — STATE OF CALIFORNIA

PLANS PREPARED BY:
WILLDAN Engineering
2401 East Katella Avenue, Suite 420
Anaheim, CA 92806-6073
714/978-8200 fax 714/978-8299
R.C.E. NO. 56185 EXPIRES 12/31/10 — 11/26/09 DATE

REVISIONS			
NO.	DESCRIPTION	APPR.	DATE

REVIEWED BY:

CITY OF ORANGE WATER — DATE

CITY OF ORANGE
OFFSITE WATER IMPROVEMENT PLAN
FOR
401 S. TUSTIN STREET

Plan No.
Sheet
W-1

County of Orange — OC PUBLIC WORKS — Architecture & Engineering

0742 — Revisions: Sym. | Descrip. | Date | By

Consultants: WILLDAN Engineering, 2401 East Katella Avenue, Suite 420, Anaheim, California 92806-6073, (714) 978-8200 Fax (714) 978-8299. Prepared under the supervision of Kenneth C. Taylor, R.E.E. 56185, 11/26/09

Drawn | Chkd. | Date 11/26/09

REGISTERED PROFESSIONAL ENGINEER — KENNETH C. TAYLOR — REGISTERED NO. 56185 — CIVIL — EXP. 12-31-10 — STATE OF CALIFORNIA

A-E Seal

A-E: ALEXANDER + HIBBS, AIA, INC. — ALEXANDER + HIBBS AIA, INC. Architecture and Planning, 2222 E. Chapman Ave., Fullerton, CA 92831, (714) 871-2000

Design | Chkd. | Date Nov. 26, 2009

Sht Title
Project COUNTY OF ORANGE HEALTH CARE AGENCY
401 SOUTH TUSTIN STREET
401 SOUTH TUSTIN STREET
ORANGE, CA 92866

PROJ. NO. 100-042-210-1900 H2407P20

Plan No. 52333-03608

Sheet W-1

0742 COUNTY OF ORANGE HEALTH CARE AGENCY 401 SOUTH TUSTIN STREET U:\jn17336_401_S_Tustin_Renovation\PS&E\Plans\pl-CITY-TITL-01.dwg Plotted: 11/13/2009 11:04 AM

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