NEWCASTLE ROAD AND SOUTH AIRPORT WAY WATER TRANSMISSION MAIN IMPROVEMENT PLAN

CITY OF STOCKTON SAN JOAQUIN COUNTY CALIFORNIA

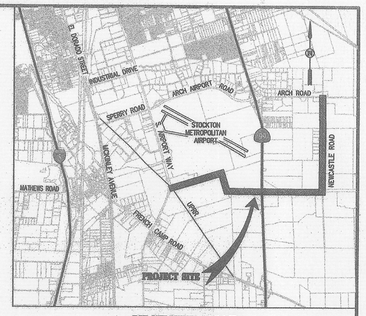
LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BOUNDARY LINE
		PROPERTY LINE
		CURB AND GUTTER
		SIDEWALK
		TOP OF BANK
		TOE OF SLOPE
		EASEMENT
SS		SANITARY SEWER PIPE
		SANITARY SEWER MANHOLE
SD		STORM DRAIN PIPE
		STORM DRAIN MANHOLE
		AREA DRAIN
		CATCH BASIN
		FIELD INLET
W	W	WATER MAIN
IRR		IRRIGATION PIPE
		WATER TEE
		WATER CROSS
		WATER SERVICE
		BUTTERFLY VALVE
		FIRE HYDRANT
		BLOW OFF
		AIR RELEASE VALVE (ARV)
E		ELECTRIC
C		CONDUIT
GS	GS	GAS MAIN
TEL		TELEPHONE
TV		TELEVISION
		ELECTROLIER
		TRAFFIC SIGN
		STREET NAME SIGN
		MONUMENT
		TREE
50		CONTOURS
		EMBANKMENT
x 17.0	EP 17.0	SPOT ELEVATIONS
		ROADSIDE SWALE

ABBREVIATIONS

AB	AGGREGATE BASE	LP	LOW POINT
AC	ASPHALT CONCRETE	LT	LEFT
AD	AREA DRAIN	MAX	MAXIMUM
ARV	AIR RELEASE VALVE	MH	MANHOLE
BC	BEGINNING OF CURVE	MIN	MINIMUM
BFV	BUTTERFLY VALVE	MTC	MEDIAN TOP OF CURB
BM	BENCHMARK	(N)	NORTH
BO	BLOW OFF VALVE	NTS	NOT TO SCALE
BW	BACK OF WALK	NP	NON-POTABLE
BVC	BEGINNING OF VERTICAL CURVE	OD	OUTSIDE DIAMETER
C	CONDUIT	OG	ORIGINAL GROUND
CB	CATCH BASIN	OH	OVERHEAD
C&G	CURB & GUTTER	P	PAVEMENT
CL	CENTERLINE	PCC	POINT OF COMPOUND CURVE
CMP	CORRUGATED METAL PIPE	PL	PROPERTY LINE
CO	CLEAN OUT	PRC	POINT OF REVERSE CURVE
CG&S	CURB, GUTTER, & SIDEWALK	PUE	PUBLIC UTILITY EASEMENT
COS	CITY OF STOCKTON	PVC	POLYVINYL CHLORIDE
CY	CUBIC YARD	R	RADIUS
CYA	CALIFORNIA YOUTH AUTHORITY	RET	RETURN
CV	CULVERT	RIM	RIM ELEVATION
DIP	DUCTILE IRON PIPE	RT	RIGHT
D/W	DRIVEWAY	ROW	RIGHT OF WAY
E	ELECTRIC	S	SLOPE
(E)	EAST	(S)	SOUTH
EA	EACH	SD	STORM DRAIN
EC	END OF CURVE	SDMH	STORM DRAIN MANHOLE
ECR	END CURB RETURN	SHT	SHEET
EL	ELEVATION	SJC	SAN JOAQUIN COUNTY
EP	EDGE OF PAVEMENT	SO	SIDE OPENING
ESMT	EASEMENT	SS	SANITARY SEWER
EVC	END OF VERTICAL CURVE	SSMH	SANITARY SEWER MANHOLE
EX	EXISTING	ST	STREET
FAA	FEDERAL AVIATION ADMINISTRATION	STA	STATION
FC	FACE OF CURB	STD	STANDARD
FG	FINISHED GRADE	SW	SIDEWALK
FH	FIRE HYDRANT	(T)	TOTAL
FI	FIELD INLET	TC	TOP OF CURB
FL	FLOW LINE	TCE	TEMPORARY CONSTRUCTION EASEMENT
FM	FORCE MAIN	TEL	TELEPHONE
FS	FIRE SERVICE	TEMP	TEMPORARY
FT	FEET	THRU	THROUGH
FU	FUTURE	TOE	TOE OF SLOPE
GS	GAS	TOP	TOP OF BANK
GA	GAGE OR GAUGE	TOW	TOP OF WALL
GB	GRADE BREAK	TYP	TYPICAL
GND	GROUND	UPRR	UNION PACIFIC RAILROAD
GP	GRADING PLAN	VC	VERTICAL CURVE
GV	GAS VALVE	VERT	VERTICAL
HGL	HYDRAULIC GRADE LINE	W	WATER LINE
HORIZ	HORIZONTAL	W/	WITH
HP	HIGH POINT	(W)	WEST
INV	INVERT	WM	WATER METER
IP	IMPROVEMENT PLAN	WS	WATER SERVICE
IRR	IRRIGATION	WV	WATER VALVE
JT	JOINT TRENCH	±	PLUS OR MINUS (NOT EXACT)
LF	LINEAL FEET OR LINEAR FEET	'	FEET
LG	LIP OF GUTTER	"	INCHES

INDEX MAP
SCALE: 1"=1000'



VICINITY MAP
NOT TO SCALE

BENCHMARK: NO. 336
ELEVATION: 32.49
DATUM: CITY OF STOCKTON, CA. (NGVD 29)
DESCRIPTION: BRASS BOLT AND WASHER AT THE SECTION CORNER COMMON TO SECTIONS 3 AND 4, T1S, R7E AND SECTIONS 33 AND 34, T1N, R7E MDM A SOUTH END OF NEWCASTLE ROAD.

HORIZONTAL DATUM IS BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3, PER 33 SURVEYS 20. DISTANCES ARE GROUND DISTANCES. MULTIPLY GROUND DISTANCES BY 0.99993176 TO OBTAIN GRID DISTANCES, CALCULATED AT CONTROL POINT 0206 (6S-16) PER 33 SURVEYS 20.

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

FOR ENCROACHMENT # _____

APPROVED: _____ DATE: _____
PUBLIC SERVICES ENGINEER

CARLSON, BARBEE & GIBSON, INC.

LEW F. CARPENTER
DATE: 3-11-10
RCE NO: 59416
EXP DATE: 12-31-11

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4 DETAILS AND SECTIONS
5 DETAILS
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10 PLAN & PROFILE – TRANSMISSION MAIN (50+00 – 60+00)
11 PLAN & PROFILE – TRANSMISSION MAIN (60+00 – 70+00)
12 PLAN & PROFILE – TRANSMISSION MAIN (70+00 – 80+00)
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23 PLAN & PROFILE – TRANSMISSION MAIN (171+83.39 – 180+00.00)
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25 PLAN & PROFILE – TRANSMISSION MAIN (188+32.73 – 198+00.00)
26 PLAN & PROFILE – TRANSMISSION MAIN (198+00 – 210+00)
27 PLAN & PROFILE – TRANSMISSION MAIN (210+00 – 220+00)
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UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

REVISION NO.	REVISION	DATE	BY	APRVD. BY

cbg Carlson, Barbee & Gibson, Inc.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
6111 BOLLINGER CANYON ROAD, SUITE 150
SAN RAMON, CALIFORNIA 94583
(925) 866-0322
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REGISTERED PROFESSIONAL ENGINEER LEW F. CARPENTER 59416 CIVIL STATE OF CALIFORNIA 12/31/11

NEWCASTLE TRANSMISSION MAIN

TITLE, INDEX MAP, VICINITY MAP, LEGEND & ABBREVIATIONS

MUNICIPAL UTILITIES DEPARTMENT
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: DATE: 3-10-10	SHEET NO. 1
DESIGNED BY: M.J.S.		OF 34 SHEETS
DRAWN BY: G.S.		PROJECT NO.
CHECKED BY: L.F.C.	DIRECTOR STOCKTON, CALIFORNIA	M07004
RECORD DWG: ---		

3/26/2010 10:36 AM
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