WATER PLANS FOR

WALLACE LAKE ESTATES

UNIT 2 - PHASE 1

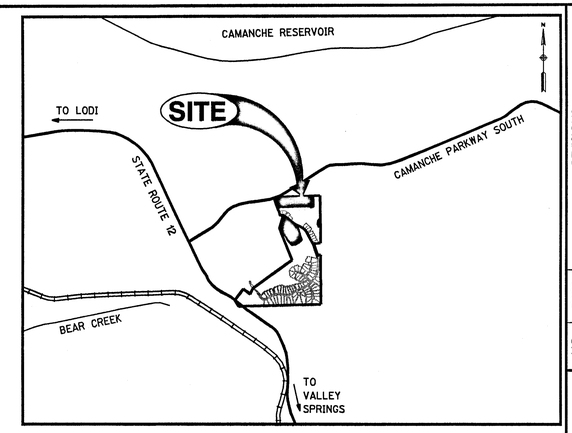
CALAVERAS COUNTY, CALIFORNIA

ABBREVIATIONS

ALT	ALTERNATE
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ARV	AIR VACUUM RELEASE VALVE
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BCC	BEGIN COMPLEX CURVE
BM	BENCH MARK
BO	BLOW OFF VALVE
CDS	CUL-DE-SAC
CIP	CAST IN PLACE
C/L	CENTERLINE
CL	CLASS
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
C,CONC	CONCRETE
CP	CONCRETE PIPE
CR	CURB RETURN
DI	DROP INLET
DWY	DRIVEWAY
E	ELECTRIC
EC	END CURVE
ECR	END CURB RETURN
EL, ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
ESMT	EASEMENT
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EX	EXISTING
FC	FACE OF CURB
FD	FOUND
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FIELD INLET
FLG	FLANGE
FM	FORCE MAIN
FO	FIBER OPTIC
FW	FIRE WATER
G	GAS
GALV	GALVANIZED
GB	GRADE BREAK
GR	GRATE
GV	GAS VALVE
H, HORZ	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
HT	HEIGHT
HWY	HIGHWAY
ICV	IRRIGATION CONTROL VALVE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IRR	IRRIGATION
LAT	LATERAL
LF	LINEAL FEET
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NIC	NOT INCLUDED IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OG	ORIGINAL GROUND
OD	OUTSIDE DIAMETER
OH	OVERHEAD UTILITY
PCC	PORTAND CEMENT CONCRETE
PIV	POST INDICATOR VALVE
POC	POINT OF CONNECTION
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRC	POINT OF REVERSE CURVE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
P, PVMT	PAVEMENT
R	RADIUS
R/L	RIDGE LINE
RCP	REINFORCED CONCRETE PIPE
RET	RETAINING WALL
RT	RIGHT
R/W	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SL	STREET LIGHT
SPECS	SPECIFICATIONS
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
TBC	TOP BACK OF CURB
T	TELEPHONE
TC	TOP FACE OF CURB
TEMP	TEMPORARY
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE
TP	TOP OF PIPE
TS&V	TAPPING SLEEVE AND VALVE
TW	TOP OF WALL
TYP	TYPICAL
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
V, VERT	VERTICAL
VC	VERTICAL CURVE
VG	VALLEY GUTTER
VCP	VITRIFIED CLAY PIPE
W	WATER
WV	WATER VALVE
W/	WITH
WM	WATER METER
WS	WATER SERVICE
XING	CROSSING
XS	CROSS SECTION

LEGEND

	PROPOSED	EXISTING
SUBDIVISION BOUNDARY		
RIGHT OF WAY		
LOT LINE		
EASEMENT LINE		
CENTER LINE	12	
LOT NUMBER	12	12
SLOPE		
DAYLIGHT LINE/CUT-FILL		
CONTOUR	3300	3300
GROUND ELEVATION	12.94 TC 12.34 P 12.34 FL	×1234
FLOW LINE ELEVATION		×1234
DIRECTION OF FLOW & SLOPE	2%	2%
GRADE BREAK	LP HP	
TOP OF WALL ELEVATION	TW=3215.20	TW=3215.20
ELECTRIC-BURIED CABLE & MANHOLE	2"E E	EX.2"E E
GAS LINE	2"G G	EX.2"G G
IRRIGATION LINE	4"IRR I	EX.4"IRR I
SANITARY SEWER, CLEANOUT	4"SS	S EX.4"SS
STORM DRAIN, MANHOLE	18"SD D	EX.18"SD D
TELEPHONE LINE & MANHOLE	4"T T	EX.4"T T
WATER LINE, METER, BLOWOFF VALVE	W 10"W	W EX.10"W
WATER SERVICE 5/8"(WM)		
ELECTRIC-OVERHEAD LINE AND POLE	O/E	O/E
SIGNS		
STORM DRAIN RIPRAP		
STREET LIGHTS		
WATER FIRE HYDRANT ASSEMBLY		
WATER GATE VALVE		
WATER AIR VACUUM RELEASE VALVE	■ ARV	□ ARV



VICINITY MAP
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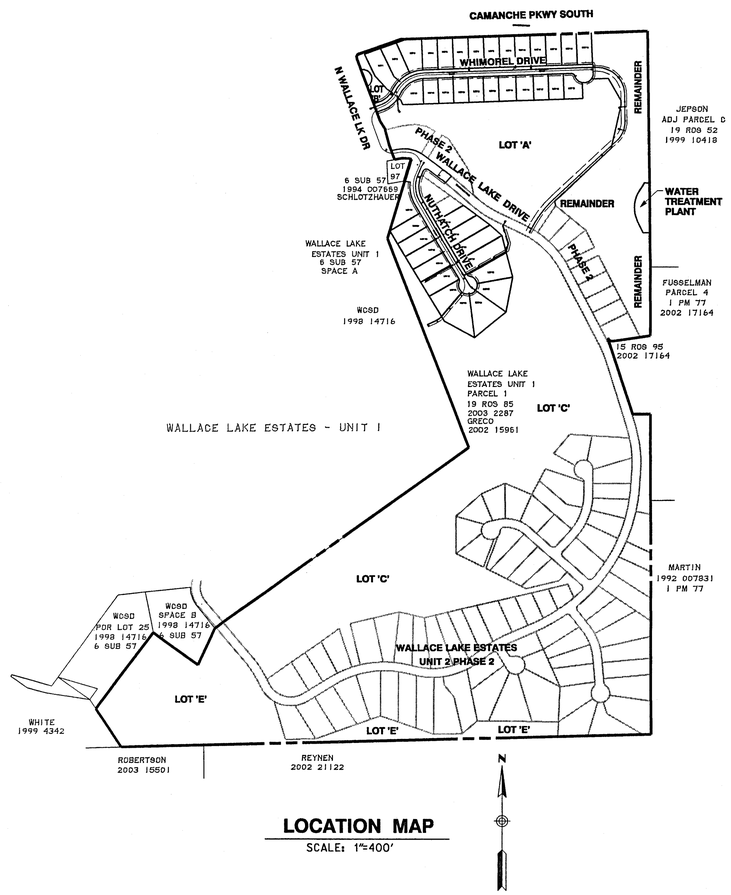

LOCATION MAP
SCALE: 1"=400'

DEVELOPER

REYNEN & BARDIS COMMUNITIES
10630 MATHER BOULEVARD
SACRAMENTO, CALIFORNIA 95655
CONTACT: MURRAY C. LIND III
PHONE: (916) 366-3665

ENGINEER

RICKARD ENGINEERING COMPANY
3022 VALARIA DRIVE
HIGHLAND, CA 92346
CONTACT: M. DAVID RICKARD
PHONE: (909)425-9948

SERVICES DISTRICT

WALLACE COMMUNITY SERVICES DISTRICT
87 WALLACE LAKE DRIVE SOUTH
WALLACE, CALIFORNIA 95254
CONTACT: ROARK WEBER
PHONE: (209) 754-1824

INDEX OF SHEETS

W1. WATER PLAN - TITLE SHEET
W2. WATER PLAN - LAYOUT SHEET
W3. WATER PLAN - SECTION, NOTES & DETAILS
W4. WATER PLAN - WHIMOREL DRIVE
W5. WATER PLAN - WHIMOREL DRIVE
W6. WATER PLAN - NUTHATCH DRIVE
W7. WATER PLAN - WATERLINE 'B'
W8. WATER PLAN - WATERLINE 'A'
W9. WATER PLAN - WATERLINE 'A'

PROJECT BENCHMARK

THE BENCHMARK FOR THIS PROJECT IS A METAL SPIKE "CP-72" LOCATED AT THE SOUTHERLY END OF SOUTH WALLACE LAKE DRIVE APPROXIMATELY 25' WEST OF THE NORTH END OF THE NORTHEAST HEADWALL FOR WALLACE LAKE SPILLWAY. ELEVATION ESTABLISHED AS 257.363'.

SOURCE OF TOPOGRAPHY

TOPOGRAPHY SHOWN ON THESE PLANS WAS COMPILED BY PHOTOGRAMMETRIC METHODS FROM INFORMATION GATHERED ON DECEMBER 23, 2004 BY RICK ENGINEERING COMPANY.

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CALL BEFORE YOU DIG
USA
UNDERGROUND SERVICE ALERT
(800)227-2600

STANDARD INCORPORATED BY REFERENCE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS AND:

1. THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS AND STANDARD PLANS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS, DATED JULY 2002, AND ANY ADDENDUMS THERETO.

2. WALLACE COMMUNITY SERVICES DISTRICT IMPROVEMENT STANDARDS, "WATER AND SEWER SYSTEMS CONSTRUCTION AND INSTALLATION", DATED JULY 2004.

WALLACE COMMUNITY SERVICES DISTRICT

ROARK WEBER, DISTRICT ENGINEER DATE:

ENGINEER OF RECORD:

M. DAVID RICKARD, RCE 24237, EXP. 12/31/07 DATE:
RICKARD ENGINEERING COMPANY

FIRE DEPARTMENT

DATE:

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RICKARD ENGINEERING
3022 VALARIA DRIVE
HIGHLAND, CALIFORNIA 92346
PHONE: (909) 425-0480
FAX: (909) 425-9948
E-MAIL: drickard@adelphia.net

PREPARED UNDER DIRECTION OF M. DAVID RICKARD RCE 24237 EXP. 12/31/07

WALLACE LAKE ESTATES
UNIT 2 - PHASE 1
WATER PLAN - TITLE SHEET

DATE: 06/19/06
PROJECT NO: 14861
W1 OF 9

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GENERAL NOTES

1. ALL WORK WILL BE IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS, AND WITH DISTRICT STANDARDS. IN THE EVENT OF A CONFLICT BETWEEN THESE THE DISTRICT STANDARDS WILL APPLY.

2. THE CONTRACTOR WILL ARRANGE A PRE-CONSTRUCTION MEETING PRIOR TO THE BEGINNING OF CONSTRUCTION. WITH THE EXCEPTION NOTED BELOW, WORK IS TO BE PERFORMED DURING DAYLIGHT HOURS MONDAY THROUGH FRIDAY (EXCLUDING HOLIDAYS). CONTACT THE DISTRICT ENGINEER (209) 754-1824) 48 HOURS IN ADVANCE OF ANY WORK.

3. A COPY OF THE APPROVED SET OF PLANS AND SPECIFICATIONS IS TO BE ON-SITE AT ALL TIMES DURING CONSTRUCTION.

4. CONSTRUCTION STAKING IS TO BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION AND IS TO BE MAINTAINED OR REPLACED AS NEEDED FOR CONSTRUCTION PURPOSES. MINIMUM CONSTRUCTION STAKING WILL INCLUDE THE BC, EC, BVC, PVI, AND EVC OF ALL CURVES AS WELL AS PIPE ALIGNMENT AT 50 FOOT INTERVALS. FIELD LOCATE AND DELINEATE ALL EASEMENTS AND RIGHTS-OF-WAY.

5. CONTACT UNDERGROUND SERVICE ALERT (800) 227-2600 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.

6. SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

7. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION OF THE PUBLIC DURING CONSTRUCTION IN ACCORDANCE WITH THE CALTRANS TRAFFIC CONTROL MANUAL.

8. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PERMITS REQUIRED FOR THE WORK.

9. THE CONTRACTOR SHALL, AT HIS EXPENSE, MAINTAIN THE SITE IN A NEAT CONDITION THROUGHOUT CONSTRUCTION ACTIVITIES AND SHALL PERFORM ALL CLEANUP ACTIVITIES AS REQUIRED HEREIN OR AS DIRECTED BY THE ENGINEER.

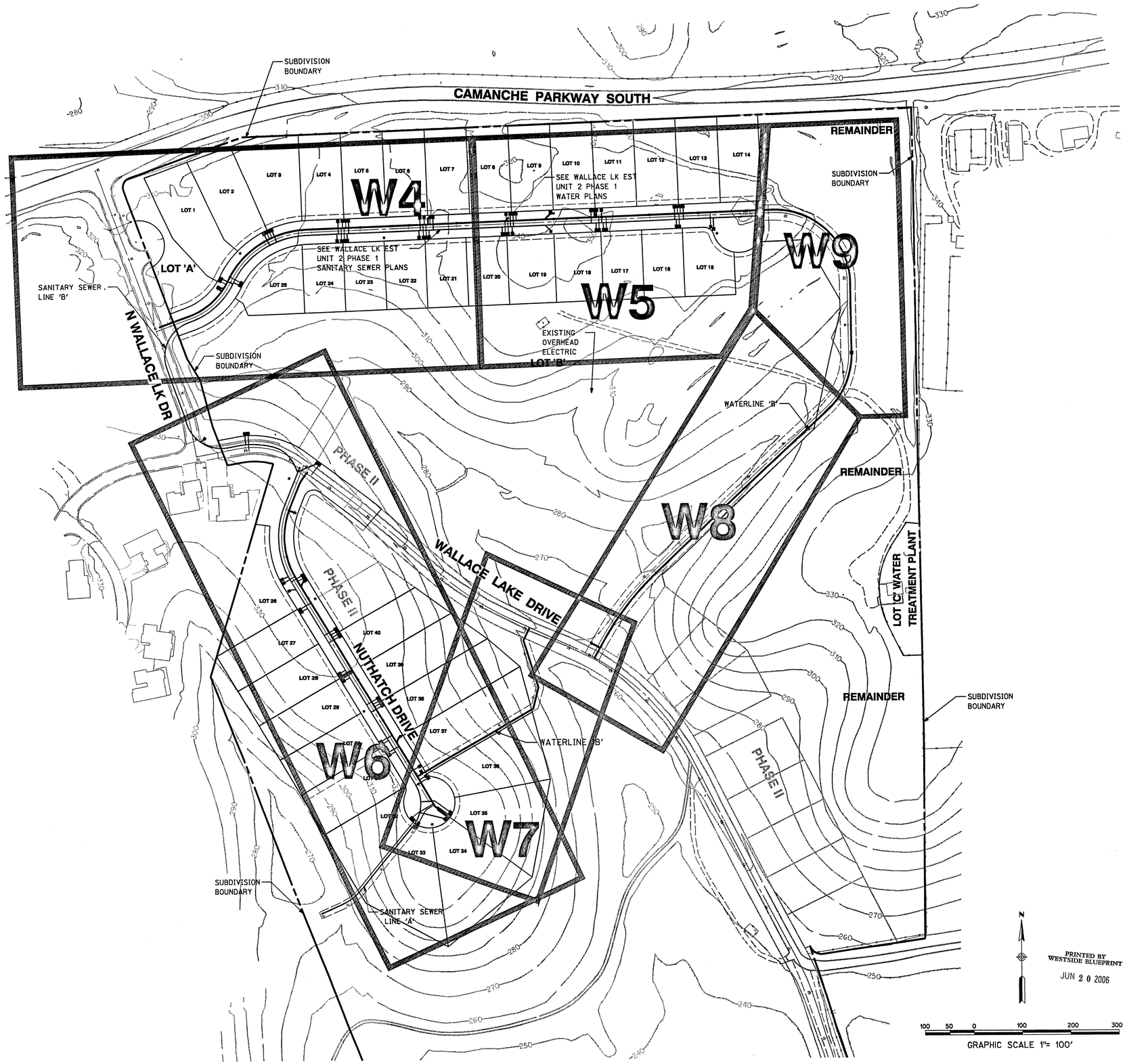
10. ALL PIPING FOR THIS PROJECT SHALL BE C-900 PVC UNLESS OTHERWISE INDICATED. ALL VALVES SHALL BE CLASS 150 DUCTILE IRON UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.

11. PRESSURE RELIEF VALVES SHALL BE PROVIDED AT ALL LOW POINTS IN THE PIPING, WHERE SHOWN IN THESE DRAWINGS OR AS OTHERWISE DIRECTED BY THE ENGINEER.

12. CONNECTIONS, PER DISTRICT STANDARDS, SHALL BE PLACED AT EACH HOUSING SITE AT THE LOCATIONS SHOWN ON THE DRAWINGS OR AS OTHERWISE APPROVED BY THE ENGINEER.

13. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH 6 COPIES OF SHOP DRAWINGS ON ALL SUBMITTALS AS SHOWN BELOW. THE ENGINEER SHALL REVIEW THESE DRAWINGS AND RETURN THEM TO THE CONTRACTOR WITHIN TWO WEEKS OF RECEIPT. THE SHOP DRAWINGS WILL BE STAMPED WITH ONE OF THE FOLLOWING:
- -NO EXCEPTIONS TAKEN.
- -MODIFY AS SHOWN
- -CORRECT AND RESUBMIT

14. REQUIRED SHOP DRAWINGS OR OTHER APPROPRIATE DOCUMENTATION SHALL BE PROVIDED TO THE ENGINEER ON THE FOLLOWING:
- -PIPE, VALVES AND FITTINGS
- -ASPHALT PAVING
- -BASE MATERIAL
- -FIRE HYDRANTS



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HIGHLAND, CALIFORNIA 92346
PHONE: (909) 425-0480
FAX: (909) 425-9948
E-MAIL: drickard@adelphia.net

PREPARED UNDER DIRECTION OF M. DAVID RICKARD RCE 24237 EXP. 12/31/07

WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - LAYOUT SHEET

DATE: 05/16/06

PROJECT NO: 14861

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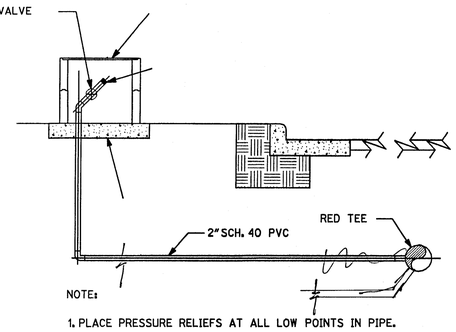

A **BLOW OFF OR PRESSURE RELIEF DETAIL**

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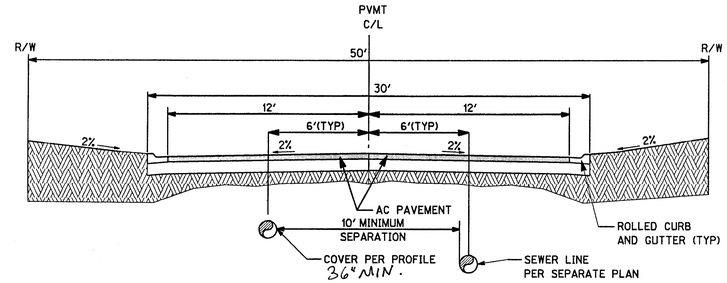

RESIDENTIAL STREET

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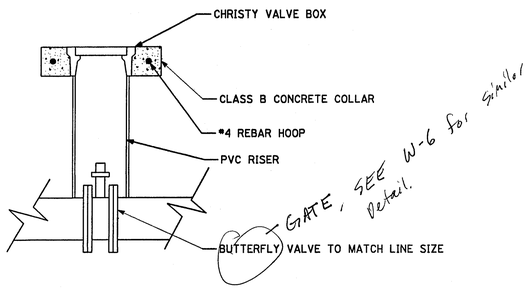

B **VALVE DETAIL**

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RCE 24237
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WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - SECTION, NOTES & DETAILS

DATE: 06/19/06

PROJECT NO: 14861

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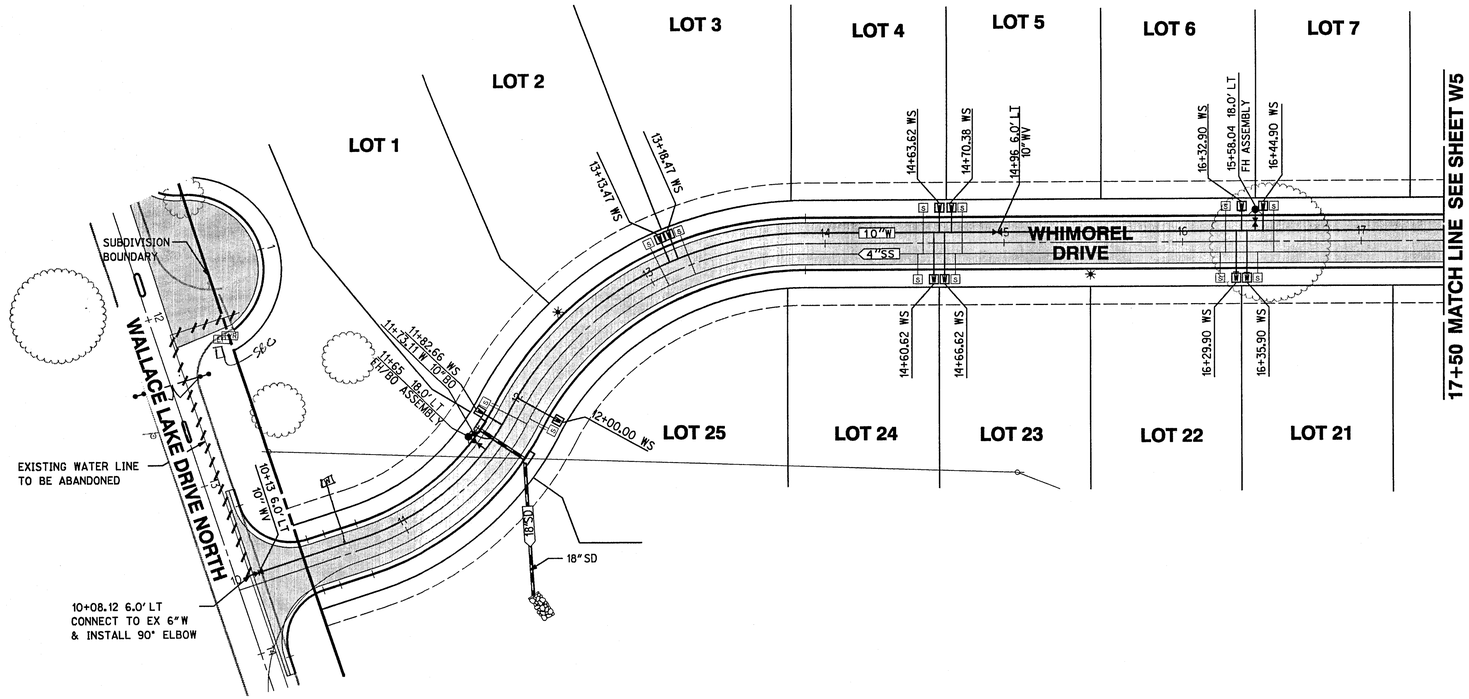
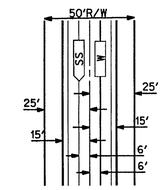


SURFACE IMPROVEMENTS AND SANITARY SEWER PLANS ARE PER SEPARATE PLANS



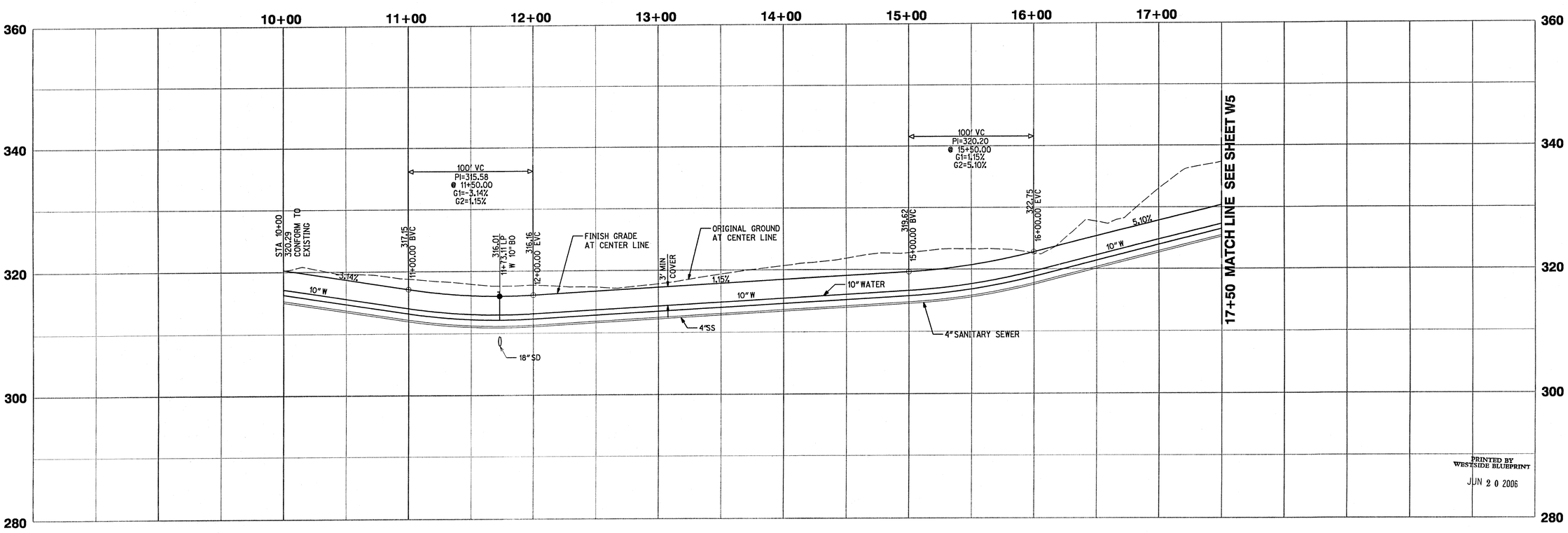
TYPICAL WATER LAYOUT

GRAPHIC SCALE

40 20 0 40 80 120

HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'

WHIMOREL DRIVE



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WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - WHIMOREL DRIVE

DATE: 06/19/06

PROJECT NO: 14861

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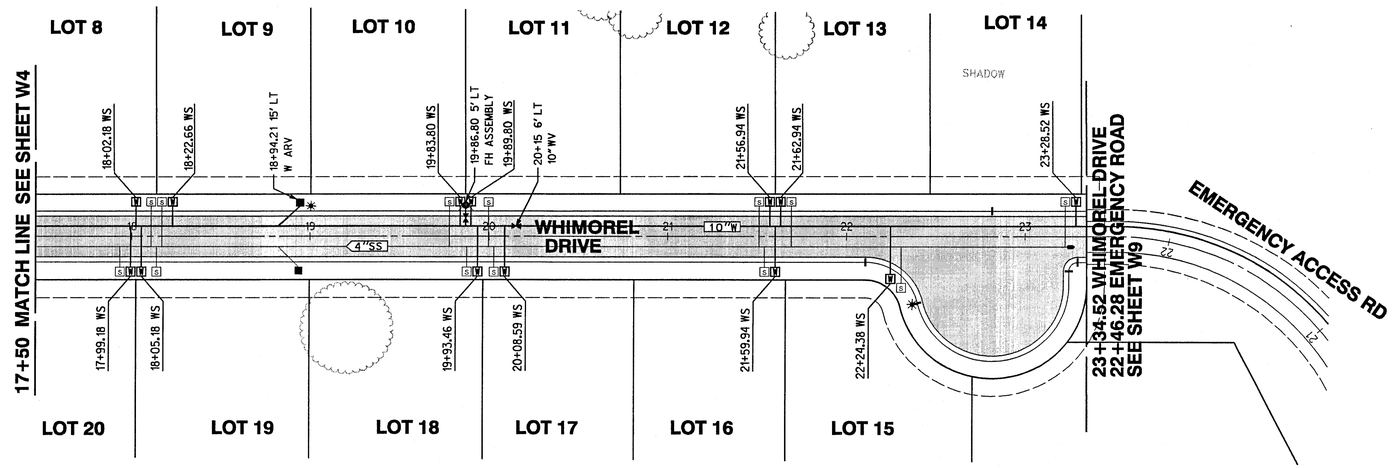
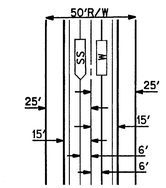
SURFACE IMPROVEMENTS AND SANITARY SEWER PLANS ARE PER SEPARATE PLANS





TYPICAL WATER LAYOUT

GRAPHIC SCALE

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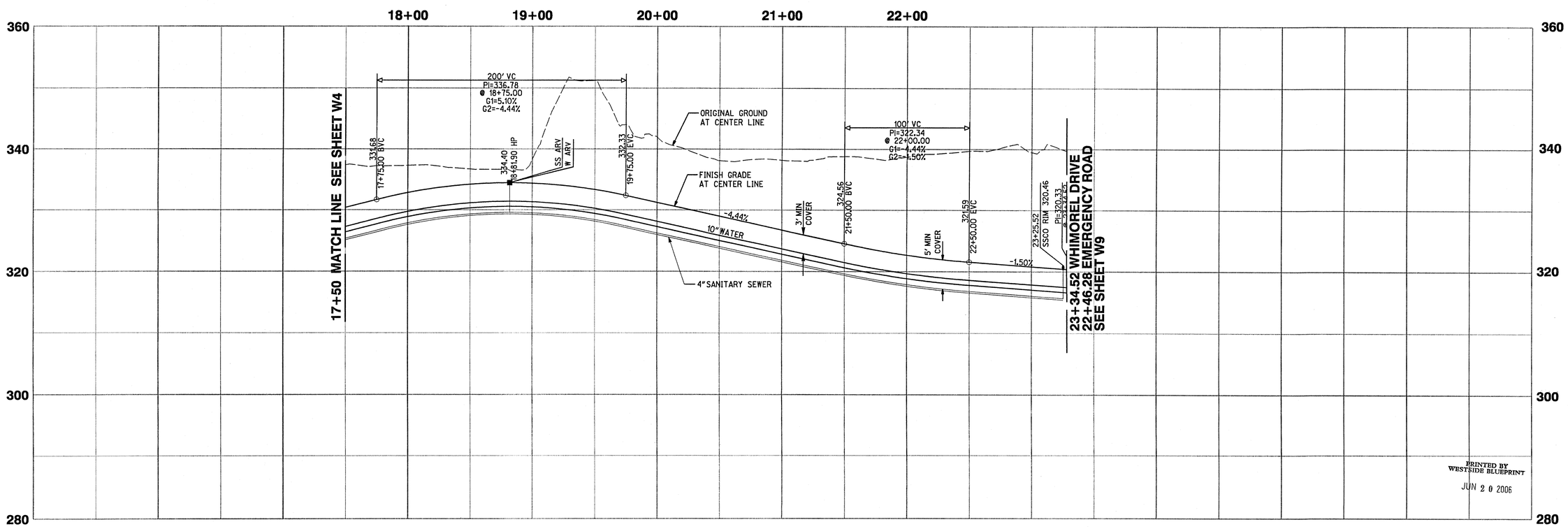
HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'

WHIMOREL DRIVE



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RCE 24237
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WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - WHIMOREL DRIVE

DATE: 06/19/06

PROJECT NO: 14861

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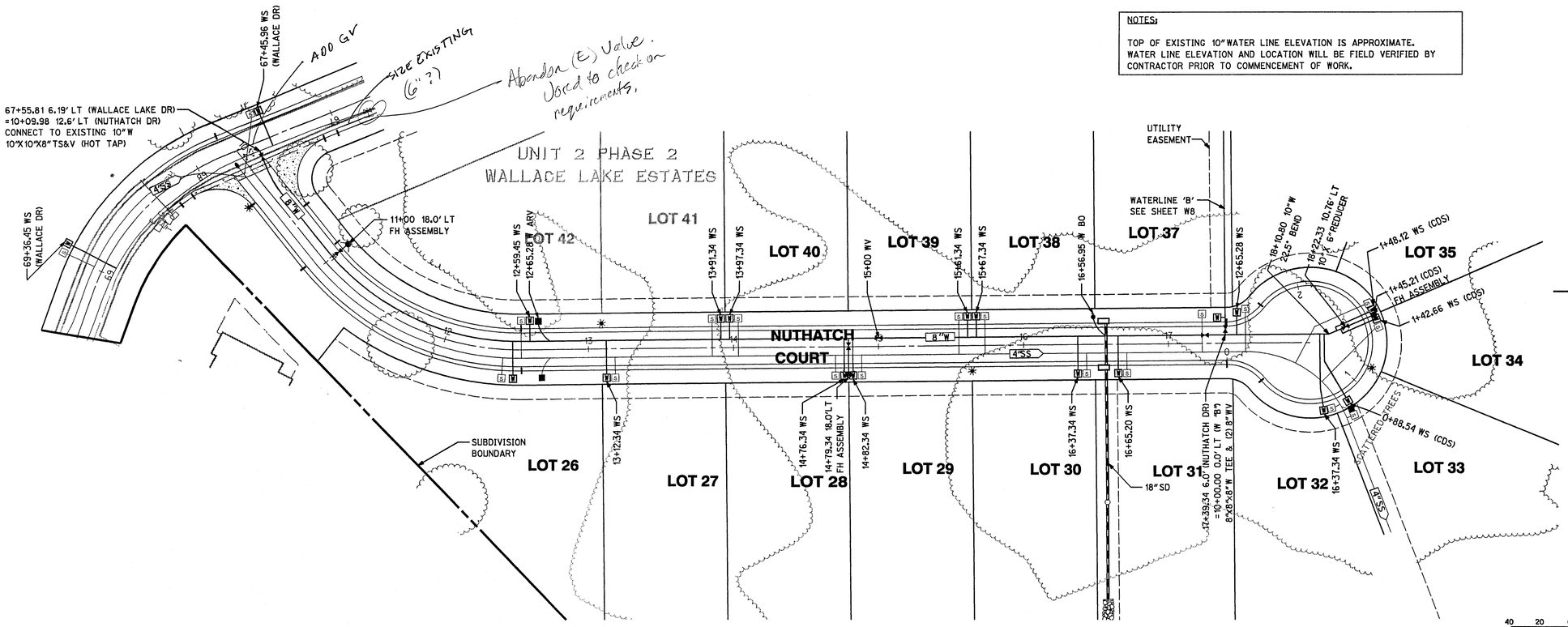
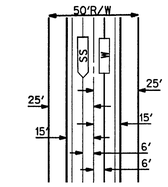
NOTES:

TOP OF EXISTING 10"WATER LINE ELEVATION IS APPROXIMATE. WATER LINE ELEVATION AND LOCATION WILL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

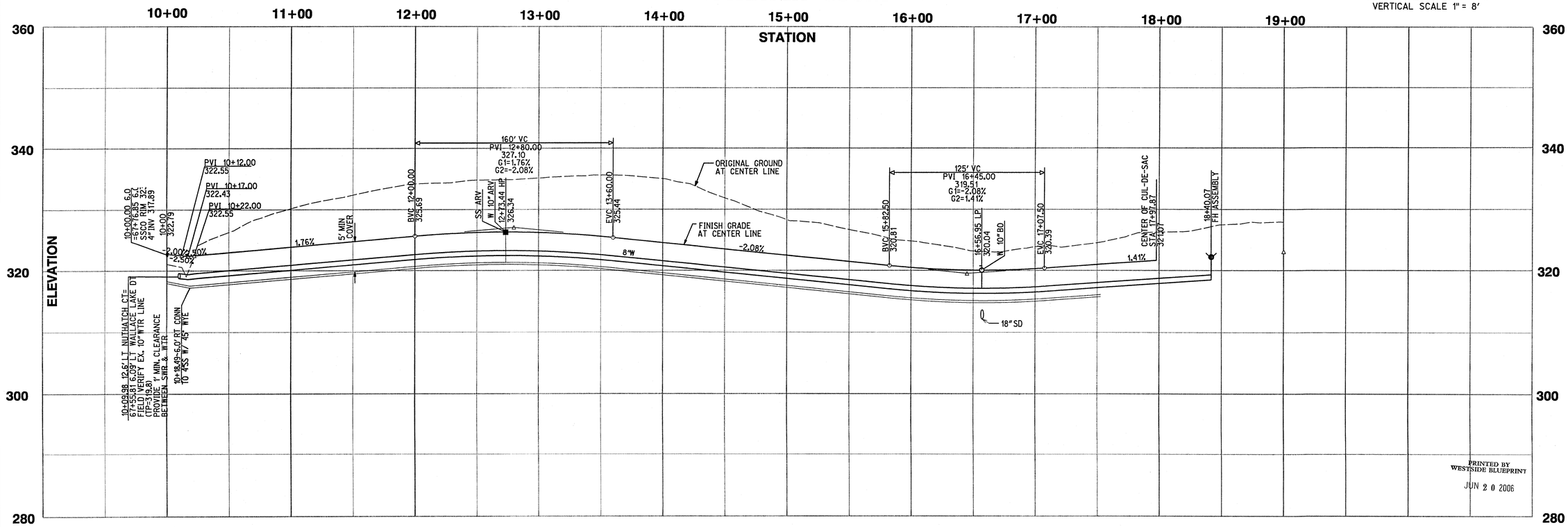
SURFACE IMPROVEMENTS AND SANITARY SEWER PLANS ARE PER SEPARATE PLANS





TYPICAL WATER LAYOUT

NUTHATCH COURT



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3022 VALARIA DRIVE
HIGHLAND, CALIFORNIA 92346
PHONE: (909) 425-0480
FAX: (909) 425-9948
E-MAIL: drickard@adelphia.net

PREPARED UNDER DIRECTION OF M. DAVID RICKARD RCE 24237 EXP. 12/31/07

WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - NUTHATCH DRIVE

DATE: 06/19/06

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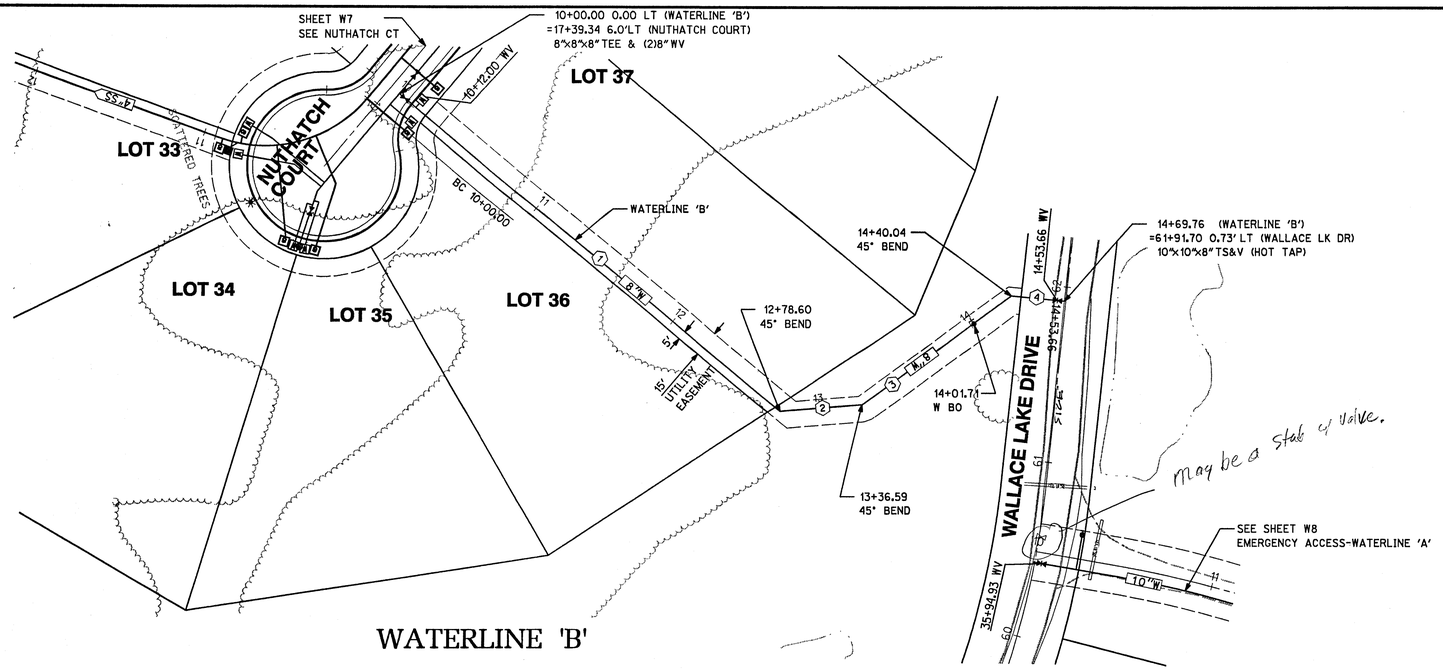


WATERLINE 'B'

WATER DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
1	N59°27'45"E		278.60'	
2	N14°27'45"E		45.80'	
3	N17°11'28"W		103.45'	
4	N25°10'35"E		29.76'	

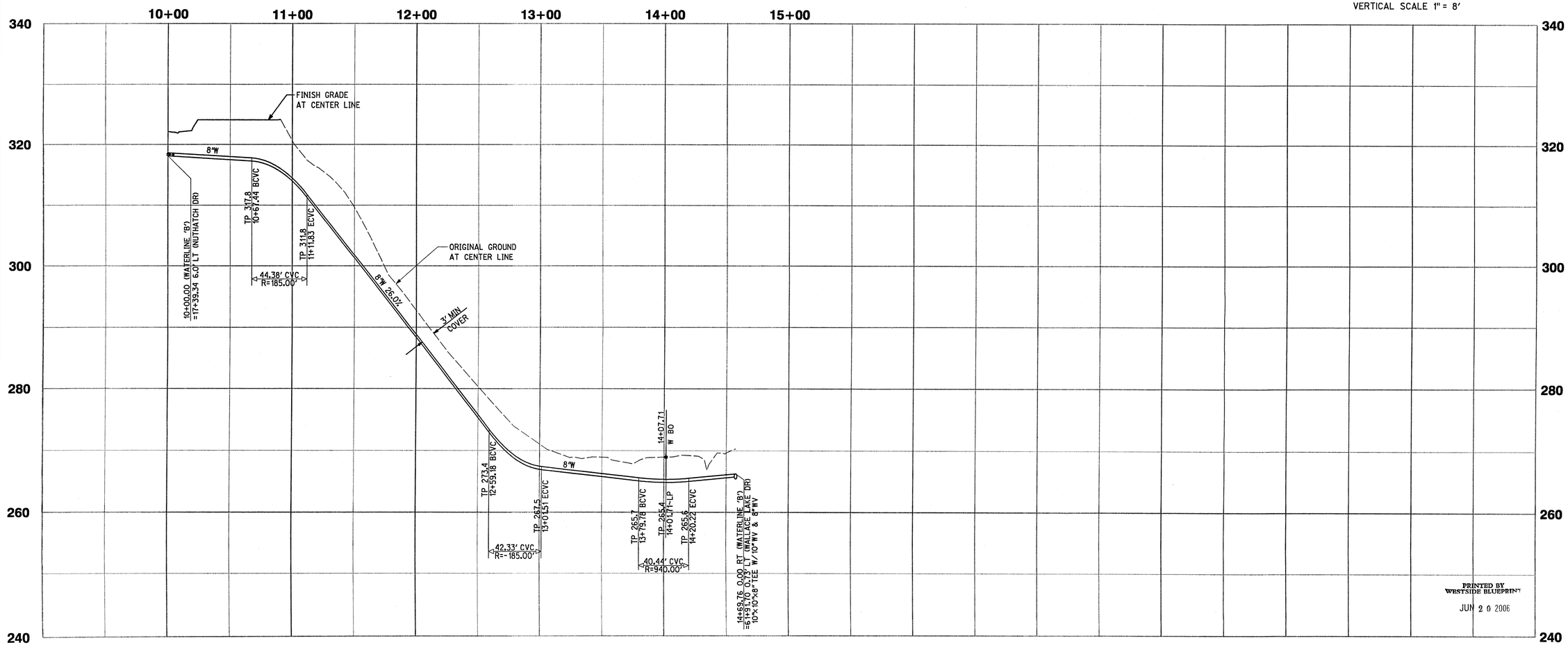
NOTES:

TOP OF EXISTING 10" WATER LINE ELEVATION IS APPROXIMATE. WATER LINE ELEVATION AND LOCATION WILL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

GRAPHIC SCALE

40 20 0 40 80 120

HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'



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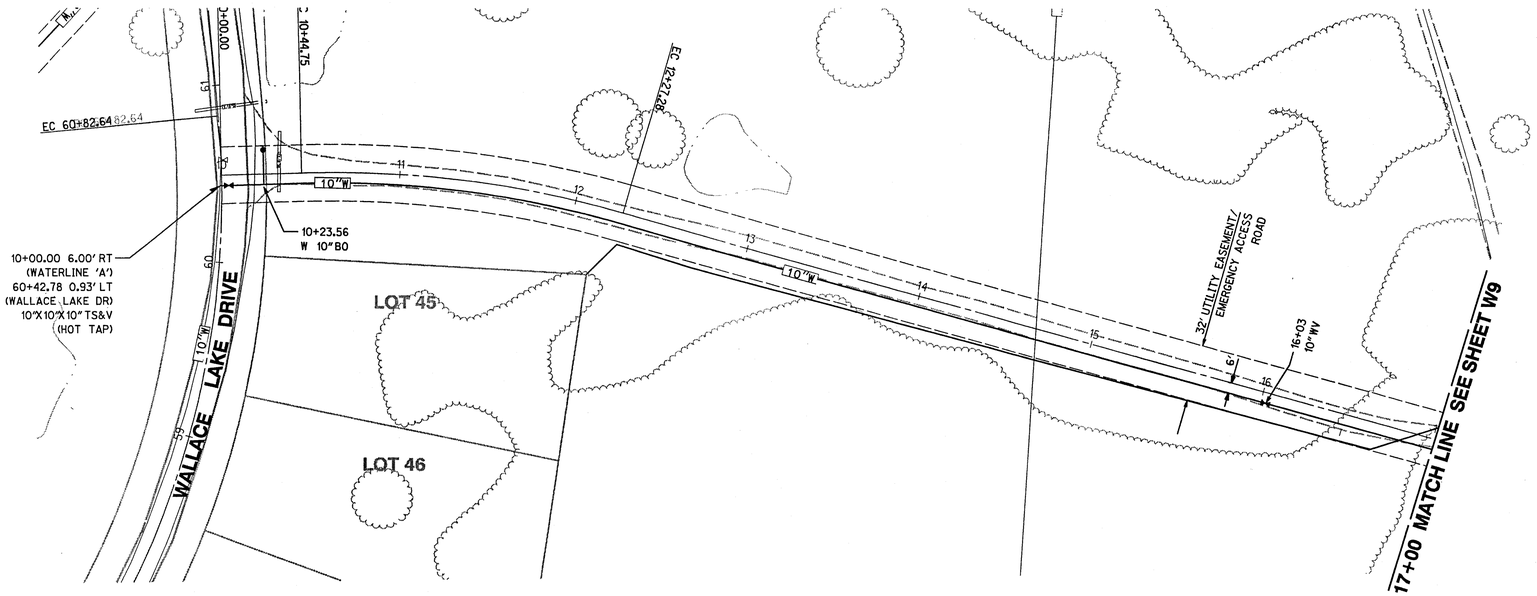
WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - WATERLINE 'B'

DATE: 06/19/06

PROJECT NO: 14861

W7 OF 9



NOTES:

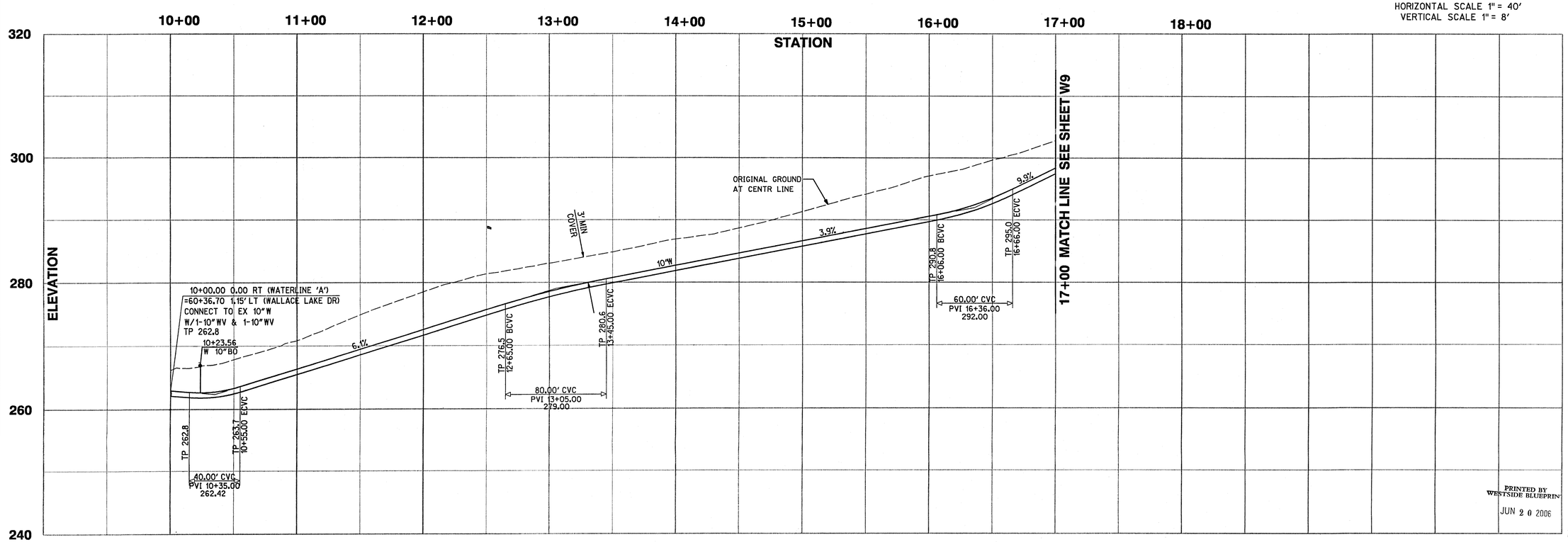
TOP OF EXISTING 10" WATER LINE ELEVATION IS APPROXIMATE. WATER LINE ELEVATION AND LOCATION WILL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

GRAPHIC SCALE

40 20 0 40 80 120

HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'

EMERGENCY ACCESS RD-WATERLINE 'A'



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JUN 20 2006

PRELIMINARY - NOT FOR CONSTRUCTION OR RECORDING

NO.	DATE	REVISIONS
1.		
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3.		
4.		
5.		
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7.		

RICKARD ENGINEERING
3022 VALARIA DRIVE
HIGHLAND, CALIFORNIA 92346
PHONE: (909) 425-0480
FAX: (909) 425-9948
E-MAIL: drickard@adelphia.net

PREPARED UNDER DIRECTION OF M. DAVID RICKARD RCE 24237 EXP. 12/31/07

WALLACE LAKE ESTATES UNIT 2 - PHASE 1

WATER PLAN - WATERLINE 'A'

DATE: 06/19/06

PROJECT NO: 14861

W8 OF 9

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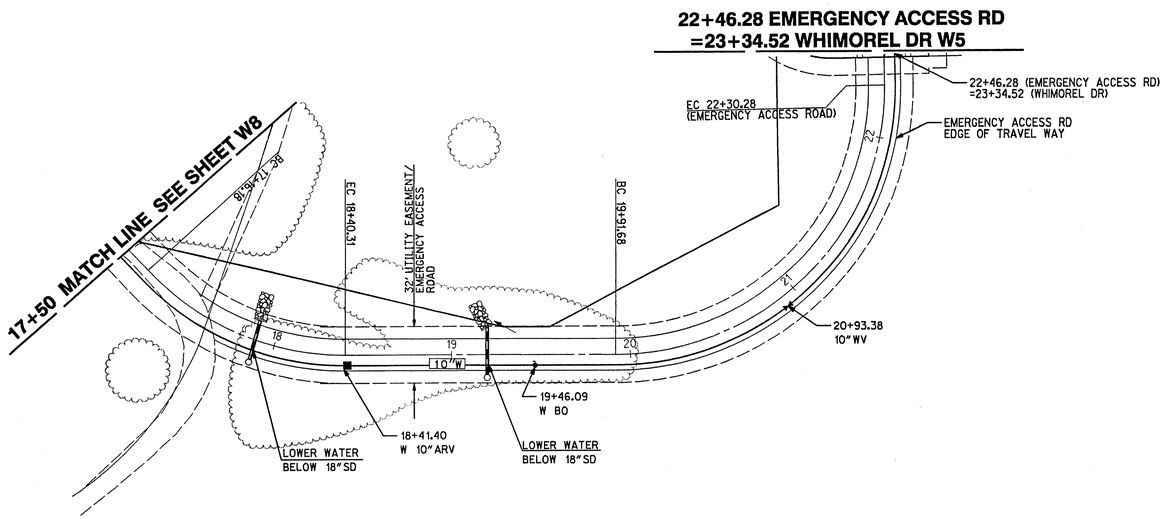


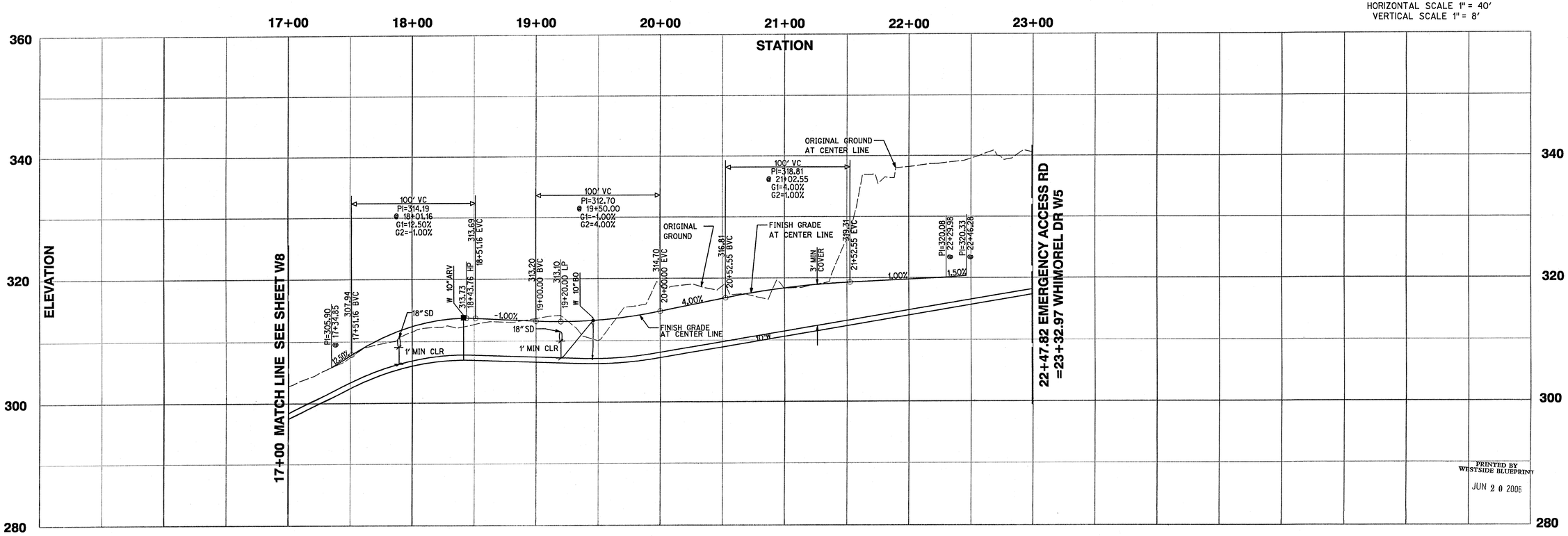
SURFACE IMPROVEMENTS AND
SANITARY SEWER PLANS
ARE PER SEPARATE PLANS

GRAPHIC SCALE

40 20 0 40 80 120

HORIZONTAL SCALE 1" = 40'
VERTICAL SCALE 1" = 8'

EMERGENCY ACCESS RD-WATERLINE 'A'



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M. DAVID RICKARD
RCE 24237
EXP. 12/31/07

WALLACE LAKE ESTATES
UNIT 2 - PHASE 1
WATER PLAN - WATERLINE 'A'

DATE: 06/19/06

PROJECT NO:
14861

W9 OF 9

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