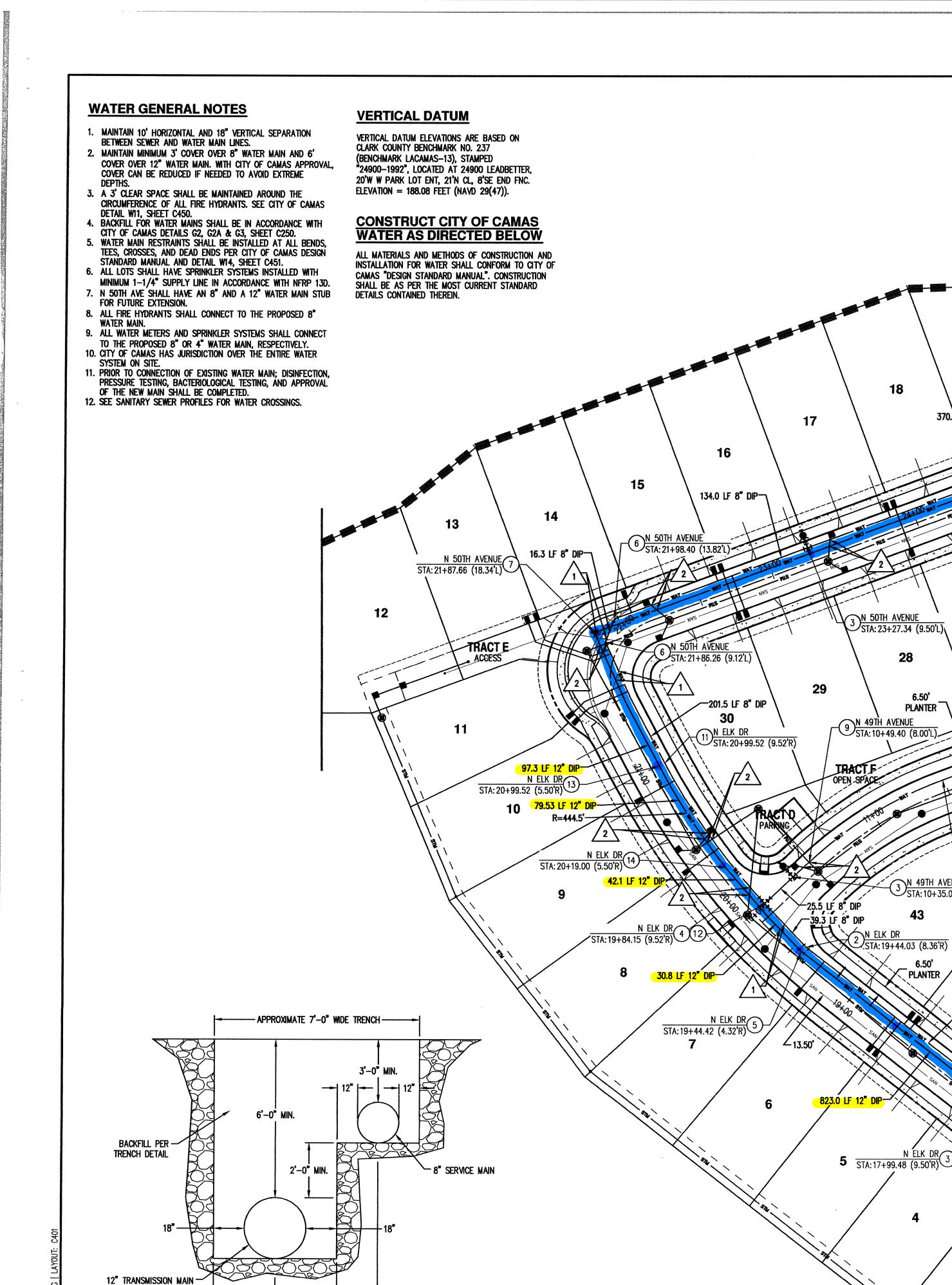


ATER

JOB NUMBER 5504

> SHEET C400



4'-0" MIN. ---

SHARED TRANSMISSION/SERVICE LINES

TRENCH DETAIL

NTS

UTILITY CONFLICTS /#

18" CLEARANCE OVER SANITARY SEWER MAIN.

1. WATER MAIN AND SANITARY SEWER CROSSING. WATER MAIN TO MAINTAIN

2. WATER MAIN AND STORM MAIN CROSSING. WATER MAIN TO MAINTAIN 6" CLEARANCE AT STORM MAIN.

WATER CONSTRUCTION KEYED NOTES (*)

- 1. INSTALL 1" WATER SERVICE PER DETAIL W2, SHEET C450 (TYP). MAINTAIN 18" BETWEEN SERVICE TAPS ON WATER MAIN.
- 2. INSTALL: (1) 8" 11.25" MJ BEND WITH MJ RESTRAINTS MECHANICALLY RESTRAIN PIPE 3' EACH SIDE

STA: 27+44.35 (14.50'L)

23

264.3 LF 8" DIP-

N 50TH AVENUE STA: 26+96.09 (9.50'L)

116

N 50TH AVENUE STA: 26+44.34 (9.50'L)

N 50TH AVENUE STA: 26+44.34 (5.50'L)

N 49TH AVENUE 17

STA: 13+58.45 (8.00'L)

24

20

466.2 LF 12" DIP

370.4 LF 8" DIP-

27

SIDEWALK

10 N 49TH AVENUE STA:11+49.04 (8.00'L)

42

389.0 LF 8

28

PLANTER

3 N 49TH AVENUE STA: 10+35.01 (8.00'L)

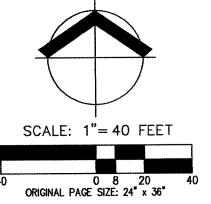
PLANTER

- 3. INSTALL: (1) 8" MJ X 6" FLG TEE (1) FIRE HYDRANT ASSEMBLY PER COC DETAIL WI1, SHEET C450 (1) 6" FLG X MJ GATE VALVE (1) MECHANICALLY RESTRAIN ALL JOINTS FROM TEE TO HYDRANT
- 4. INSTALL: (1) 8" X 8" X 8" FLG TEE (3) 8" FLG X MJ GATE VALVE (ALL DIRECTIONS)
- 5. INSTALL: (1) 12" 11.25' MJ BEND WITH MJ RESTRAINTS. MECHANICALLY RESTRAIN PIPE 4' EACH SIDE.
- (1) 8" 45" MJ BEND WITH MJ RESTRAINTS. MECHANICALLY RESTRAIN PIPE 13' EACH SIDE. 7. INSTALL:
- (1) 12" 90" MJ BEND WITH MJ RESTRAINTS. MECHANICALLY RESTRAIN PIPE 19' EACH SIDE. (1) LOCATE STATION PER COC DETAILS W26 AND W26A, SHEET C451.
- (1) 1" IRRIGATION WATER SERVICE AND METER BOX PER COC DEAIL W2, SHEET C450. (1) 5/8" X 3/4" METER.
- (1) DOUBLE CHECK VALVE ASSEMBLY PER COC DETAIL IR13, SHEET C451.
- 9. BEGIN 258.00' RADIUS DEFLECTION.
- 10. END 258.00' RADIUS DEFLECTION.
- 11. BEGIN 439.48' RADIUS DEFLECTION.
- 12. END 439.48' RADIUS DEFLECTION.
- 13. BEGIN 444.50' RADIUS DEFLECTION. 14. END 444.50' RADIUS DEFLECTION.
- 15. BEGIN 310.51' RADIUS DEFLECTION.
- 16. BEGIN 305.50' RADIUS DEFLECTION.
- 17. BEGIN 408.00' RADIUS DEFLECTION.
- 18. INSTALL: (1) WATER SAMPLING STATION AND ASSOCIATED BACKFLOW ASSEMBLY PER CITY OF CAMAS DETAIL W22, SHEET C451.



Engineer from thereafter requiring the correction of errors in said plans and specifications or from preventing construction operations being carried on thereunder when in violation of applicable codes or any other ordinance of the City of Camas.

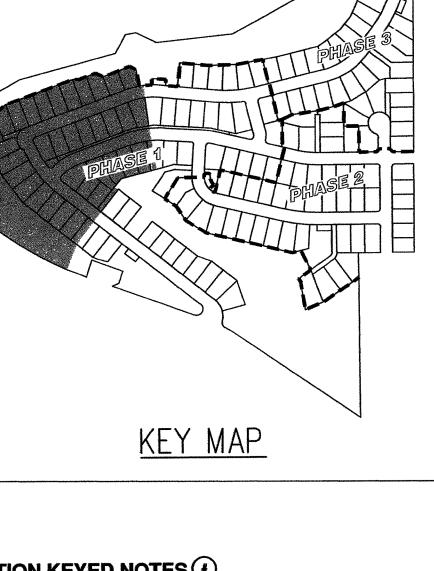
Camas Public Works Department Checked By AA Date 4/4/3000





Call before you dig.

SHEET C401



SUBDI

ATE

JOB NUMBER 5504

WATER GENERAL NOTES

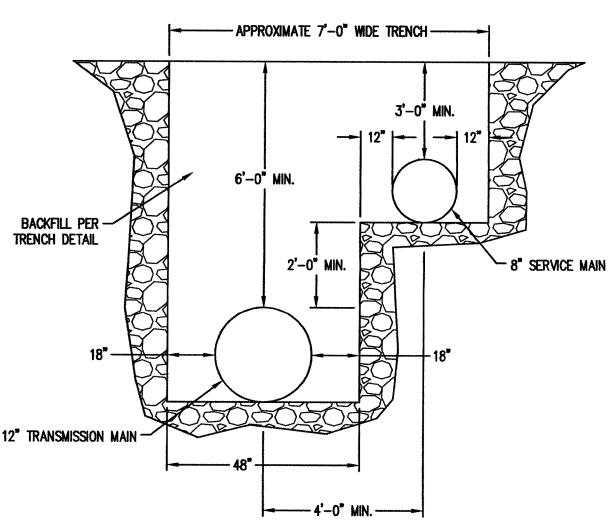
- 1. MAINTAIN 10' HORIZONTAL AND 18" VERTICAL SEPARATION
- BETWEEN SEWER AND WATER MAIN LINES. 2. MAINTAIN MINIMUM 3' COVER OVER 8" WATER MAIN AND 6' COVER OVER 12" WATER MAIN. WITH CITY OF CAMAS APPROVAL, COVER CAN BE REDUCED IF NEEDED TO AVOID EXTREME
- 3. A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF ALL FIRE HYDRANTS. SEE CITY OF CAMAS DETAIL WI1, SHEET C450.
- 4. BACKFILL FOR WATER MAINS SHALL BE IN ACCORDANCE WITH CITY OF CAMAS DETAILS G2, G2A & G3, SHEET C250.
- 5. WATER MAIN RESTRAINTS SHALL BE INSTALLED AT ALL BENDS, TEES, CROSSES, AND DEAD ENDS PER CITY OF CAMAS DESIGN
- STANDARD MANUAL AND DETAIL WI4, SHEET C451. 6. ALL LOTS SHALL HAVE SPRINKLER SYSTEMS INSTALLED WITH
- MINIMUM 1-1/4" SUPPLY LINE IN ACCORDANCE WITH NFRP 13D. 7. N 50TH AVE SHALL HAVE AN 8" AND A 12" WATER MAIN STUB
- FOR FUTURE EXTENSION. 8. ALL FIRE HYDRANTS SHALL CONNECT TO THE PROPOSED 8"
- 9. ALL WATER METERS AND SPRINKLER SYSTEMS SHALL CONNECT
- TO THE PROPOSED 8" OR 4" WATER MAIN, RESPECTIVELY.
- 10. CITY OF CAMAS HAS JURISDICTION OVER THE ENTIRE WATER SYSTEM ON SITE.
- 11. PRIOR TO CONNECTION OF EXISTING WATER MAIN; DISINFECTION, PRESSURE TESTING, BACTERIOLOGICAL TESTING, AND APPROVAL OF THE NEW MAIN SHALL BE COMPLETED.
- 12. SEE SANITARY SEWER PROFILES FOR WATER CROSSINGS.

VERTICAL DATUM

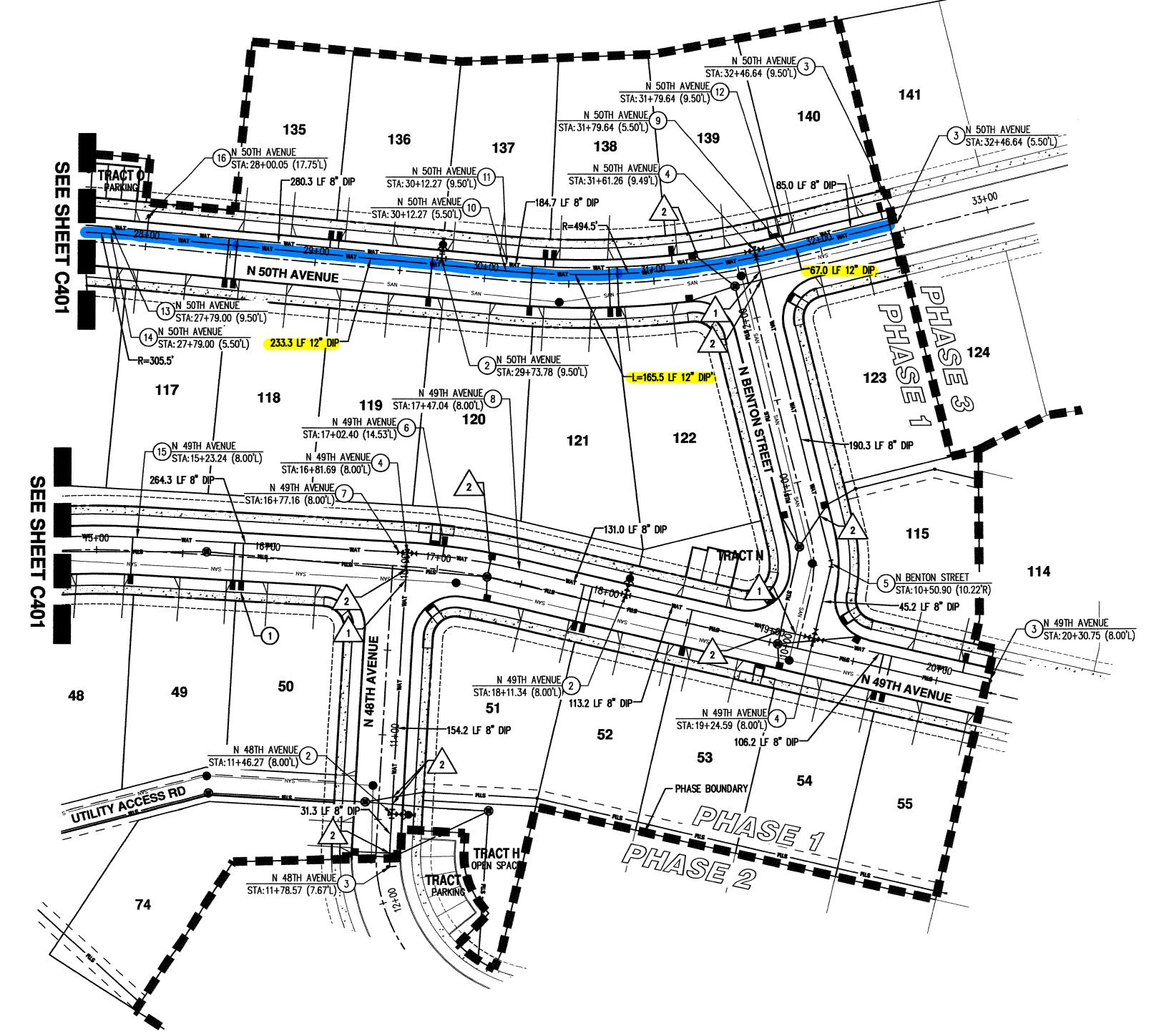
VERTICAL DATUM ELEVATIONS ARE BASED ON CLARK COUNTY BENCHMARK NO. 237 (BENCHMARK LACAMAS-13), STAMPED 24900-1992", LOCATED AT 24900 LEADBETTER, 20'W W PARK LOT ENT, 21'N CL, 8'SE END FNC. ELEVATION = 188.08 FEET (NAVD 29(47)).

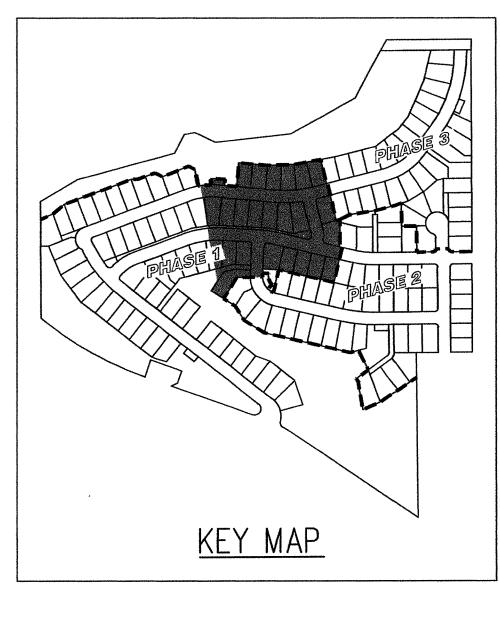
CONSTRUCT CITY OF CAMAS WATER AS DIRECTED BELOW

ALL MATERIALS AND METHODS OF CONSTRUCTION AND INSTALLATION FOR WATER SHALL CONFORM TO CITY OF CAMAS "DESIGN STANDARD MANUAL". CONSTRUCTION SHALL BE AS PER THE MOST CURRENT STANDARD DETAILS CONTAINED THEREIN.



SHARED TRANSMISSION/SERVICE LINES TRENCH DETAIL

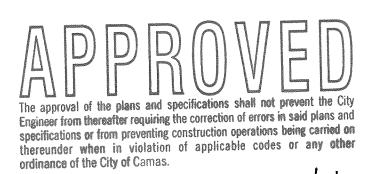




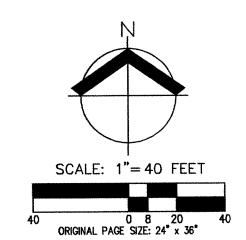
WATER CONSTRUCTION KEYED NOTES (*)

- 1. INSTALL 1" WATER SERVICE PER DETAIL W2, SHEET C450 (TYP). MAINTAIN 18" BETWEEN SERVICE TAPS ON WATER MAIN.
- 2. INSTALL: (1) 8" MJ X 6" FLG TEE (1) FIRE HYDRANT ASSEMBLY PER COC DETAIL WI1, SHEET C450 (1) 6" FLG X MJ GATE VALVE (1) MECHANICALLY RESTRAIN ALL JOINTS FROM TEE TO HYDRANT.
- (1) 2" TEMPORARY BLOWOFF PER COC DETAIL W8 SHEET C450.
- 4. INSTALL: (1) 8" X 8" X 8" FLG TEE (3) 8" FLG X MJ GATE VALVE (ALL DIRECTIONS)
- (1) 8" 22.50° MJ BEND WITH MJ RESTRAINTS. (1) MECHANICALLY RESTRAIN PIPE 6' EACH SIDE
- (1) 1" IRRIGATION WATER SERIVE AND METER BOX PER COC DEAIL W2, SHEET C450. (1) 5/8" X 3/4" METER. (1) DOUBLE CHECK VALVE ASSEMBLY PER COC DETAIL IR13, SHEET C451.
- 7. BEGIN 408.00' RADIUS DEFLECTION. 8. END 408.00' RADIUS DEFLECTION.
- 9. BEGIN 494.50' RADIUS DEFLECTION.
- 10. END 494.50' RADIUS DEFLECTION.
- 11. BEGIN 489.50' RADIUS DEFLECTION.
- 12. END 489.50' RADIUS DEFLECTION.
- 13. END 310.51' RADIUS DEFLECTION.
- 14. END 305.50' RADIUS DEFLECTION.
- 15. END 408.00' RADIUS DEFLECTION.

16. INSTALL: (1) 2" AIR / VACUUM RELIEF VALVE PER COC DETAIL W16, SHEET C451.



Camas Public Works Department Checked By AA Date 4/4/602





SHEET C402

JOB NUMBER

5504

ASHINGTON 1/4 & SE 1/4 S34, T2N. R3E W.M.

INISIO

SUBDI

SS F

ATER

12" TRANSMISSION MAIN

UTILITY CONFLICTS WATER MAIN AND SANITARY SEWER CROSSING. WATER MAIN TO MAINTAIN 18" CLEARANCE OVER SANITARY SEWER MAIN.

2. WATER MAIN AND STORM MAIN CROSSING. WATERMAIN TO MAINTAIN 6" CLEARANCE AT STORM MAIN.

