TOPOGRAPHIC SURVEY for CITY of WEST LINN

JOHN G. REPPETO
LAND SURVEYOR
1225 NW Murray Rd. - Room 202
Portland, OR 97229

(503) 643-8755

Scale: 1 inch = 20 feet

ALDER STREET

MAPLE AVENUE

SUNSET AVENUE

PINE STREET w/min. 3" AC. & 7"-1½"-0" CRUSHED ROCK BASE

OBTAIN PERMANENT 20' EASEMENT

OPTIONAL: IF UTILIZING EXIST. 12" ST. FIELD VERIFY CONNECTION TO CB, IF 12" NOT CONNECTED TO CB. EITHER CONST. 12" TO CB. OR UTILIZE EXIST. 12" FOR OUTFALL AS DIRECTED BY ENGINEER.

~~OPTIONAL: TIE IN EXIST. 4" DRAIN TO NEW CB.~~

TBM#2 = Bolt on North side of flange of fire hydrant between letters "MUE" and "LLER". Elev = 302.06

CONST. 12" STORM SEWER

MANHOLE Rim = 303.00 I.E. = 299.00

4" Drain I.E. = 306.7

AC DRAINAGE BERM

Edge of A/C

Basketball Hoop

A/C Driveway

CONST. G1 CB

CONST. ~~12~~ 8" STORM SEWER

STUB OUT 12" PIPE

ABANDON EXIST. 12" ST. CAP w/CONC.

Sanitary Sewer

MANHOLE Rim = 306.60 I.E. = 300.75

CONST. G2 C.B.

Concrete S/W

5' wide Ret. Wall

Newspaper Box

TIE IN EXIST. Roof Drains TO NEW 12" ST. AT CB or w/Tapping Tee.

Mailboxes

PGE 3102

PGE 3101

Fire Hydrant

Telephone J-Box

PGE 2124

4" Drain I.E. = 289.3

~~OPTIONAL: CONST. G2 CB~~

4" ST.

6" CONST. SWALE Rock Outcrop

RADIUS PT. 1+99

294.13

~~OPTIONAL: CONST. G2 CB~~

Mailbox

Curb

TBM#1 = "P-K" Nail, 0.6 West of water valve. Elev. = 268.44

MANHOLE Rim = 270.46 12" I.E. = 263.56 8" I.E. = 264.26

Edge of A/C

NOTE

Elevations are based on O.S.H.D. Benchmark G 631, Elev. = 208.94 N.G.V.D.

OPTIONAL: #1 CONST. ~~G2~~ CB UTILIZE EXIST 12" PIPE FOR OUTFALL.

CONST. SWALE AROUND PERIMETER TO CHANNEL DRAINAG TO CB'S

OPTIONAL STORM DRAIN, PROVIDED EASEMENT AVAILABLE.
CONST. G2 C.B. AT EXIST. 12" CROSSING & UTILIZE EXIST. STORM DRAIN IF EASEMENT NOT AVAILABLE.

MATCH LINE SHEET 2

Const. AC. Drainage Berm or Ditch to Prevent Runoff from Entering Private Property

LEGEND
- = Water Meter.
- = 5/8" Iron Rod monument found.
- = Catchbasin.
- = Gravel Surfacing.
- G = Underground Gas Line.
- W = Underground Water Line.
- = Underground P.G.E. & Telephone
- = 4.5' high Wood Fence.
- = Power Pole.
- = Tree.
- = Water Valve
- = Sewer.

REGISTERED PROFESSIONAL LAND SURVEYOR
John G. Reppeto
OREGON JULY 25, 1986 JOHN G. REPPETO 657

PROFILE SCALE: HOR. 1"=20', VERT. 1"=4'

Const. G1 CB. Rim = ±306.0 (match Exist.) Out = 303.3

CONST. G2 CB. Rim = ±303.5 (match Exist.) IN I.E. = 301.10 OUT I.E. = 298.50

See Sheet 3 of 3 for vertical alignment & paving limits.

~~Match Exist AC Grade 302.00 = 0+10~~

CONST. G2 CB. Rim = ±301.5 (match New GRADE) IN I.E. = 297.77 OUT I.E. = 297.00

OPTIONAL: G1 CONST. ~~G2~~ CB. Rim = ± 294.5 (Match New Grade) IN I.E. = 291.33 OUT I.E. = ±291.23

~~OPTIONAL: CONST. G2 CB Rim = ± 291.3 (match New GRADE) IN I.E. = 288.31 OUT I.E. = 288.21~~

18" Min. Cover Typical

S=4.07%, L=54'

~~78~~ 8" ADS N-12 PVC Pipe

S=1.4% (MIN.) L=50'

12" ADS N-12 PIPE

8" Sanitary Sewer Crossing I.E. = ± 299.7 (Field Verify)

16" Min. Crossing Field Verify Elevation

PRELEVEL w/CLASS C AC. OVER EXIST. PAVEMENT

Gas Service Crossing

Exist Grade along ℄

S=4.60%

12" ADS N-12 (Smooth Walled) PIPE

S=4.14%, L=137'

12" MIN. COVER

Finish Grade ℄ AC surface course

FILL w/1½"-0" CRUSED ROCK

ROCK OUTCROP

Water Service Crossing

S=4.63% L=63'

~~OPTIONAL: CONST. 12" STORM DRAIN~~

Gas Service Crossing

308 / 304 / 300 / 296 / 292 / 288

-1+00 -0+50 0+00 0+50 1+00 1+50 2+00 2+50

OPTIONAL STORM DRAIN PLAN
PROVIDED EASEMENT AVAILABLE.
CONST. G-2 CB AT EXIST. 12" CROSSING AND UTILIZE EXIST. STORM DRAINAGE SYSTEM IF EASEMENT NOT AVAILABLE.

REGISTERED PROFESSIONAL ENGINEER 14,958 OREGON JULY 25, 1986 KEITH D. GARLINGHOUSE

AS BUILT 7/92

ALDER STREET & STORM IMPROVEMENT PROJECT CI-91-02

GENERAL PROJECT NOTES:

1. All construction to meet provisions of the 1990 APWA Oregon Chapter Standard Specifications, the City of West Linn Construction Standards and Capital Improvement Project Special Specifications and any permit conditions.
2. The Contractor shall avoid destruction of existing tree's & vegetation wherever possible and provide erosion & sediment control on the site meeting the City of West Linn Standards and all areas disturbed shall be seeded with grass seed.
3. Traffic control shall meet provisions of the Manual on Uniform Traffic Control Devices and is the Contractor's responsibility.
4. The Contractor shall notify the City of West Linn Emergency Services of any disruption to water service or street closures (655-6214).
5. The contractor is responsible to obtain utility locates prior to construction.
6. Work hours are restricted to 7:00 am to 6:00 pm Monday through Friday.
7. Minimum cover for 12" ADS N-12 pipe is 12 inches.
8. Catch Basins shall meet provisions of the O.S.H.D. Standard Detail Drawings and the O.D.O.T. 1991 Standard Specifications for Highway Construction.
9. Concrete shall attain a minimum compressive strength of 3000 psi at 28 days.

DATE	REVISIONS

CITY OF WEST LINN
ALDER STREET and STORM SEWER IMPROVEMENT

DATE: 1/7/91	DRAWN BY: KG	APPROVED BY: Dan Monson PE	SHEET 1 OF 3	PROJECT NO. CI-91-02
SCALE: as shown	CHK'D BY: STAFF	FIELD BOOK: in file		DRAWING NO.

PLAN: SURVEYED, PLOTTED, PLANIMETRY CHECKED, GRADES CHECKED, AS BUILT, ST. OF WAY CHECKED. NOTE BOOK, No.

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, AS BUILT, STRUCTURE NOTATIONS CHECKED. NOTE BOOK, No.

DATE, BY

K&E HERCULENE CRYSTALENE II

MATCH LINE

OPTIONAL STORM DRAIN PLAN PROVIDED EASEMENT AVAILABLE. SEE SHEET 1

SHEET 1

A / 2 CHANNEL DETAIL

3800 Bowcoart

4100

CONST. DRAINAGE CHANNEL LINE W/CLASS 100 (OSHD) ROCK RIPRAP

OBTAIN 20' PERMANENT EASEMENT

WALNUT STREET

15" Concrete Culvert I.E. = 241.39

3400

ALDER STREET

CONST. 12" STORM DRAIN

CONST. G2 C.B.

CONST. DRAINAGE SWALE AROUND CUL-DE-SAC PERIMETER TO CHANNEL FLOW TO C.B.'S

Scale: 1 Inch = 20 feet

Rock Outcrop

Place Straw Bales &/or Sediment Fence in disturbed Areas during Construction to control Erosion. See figures 3-2, 3-3A, 3-3B of City of West Linn Erosion/Sediment Control Standards.

12" Apple Tree

Edge of A/C

MANHOLE RIM = 246.37 I.E. = 239.87

Sanitary Sewer

Highway 205 R/W

End of Curb

Guardrail

Curb

3300

3900

State of Oregon DOH 4000

Street Sign

8" Pine Tree

Power Pole

Telephone J-Box

SUNSET AVENUE

MANHOLE RIM = 270.46 12" I.E. = 263.56 8" I.E. = 264.26

MANHOLE RIM = 247.53 I.E. = 241.73

MANHOLE RIM = 243.05 I.E. = 239.15

San. Sewer

TBM#1 = "P-K" nail 0.6 West of water valve. Elev. = 268.44

Not constructed.

LEGEND

- ⊠ = Water Meter
- ● = 5/8" Iron Rod monument found
- ⊙ = Power Pole.
- = Tree.
- ⊛ = Water Valve.
- —G— = Underground Gas Line.
- —W— = Underground Water Line.
- → = Sewer.
- = Fire Hydrant.

NOTE

Elevations are based on O.S.H.D. Benchmark G 631, Elev. = 208.94 N.G.V.D.

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by
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REGISTERED PROFESSIONAL LAND SURVEYOR
John G. Reppeto
OREGON JULY 10, 1981 JOHN G. REPPETO 657

20' EASEMENT

℄ ± 6'

CLASS 100 (O.S.H.D.) ROCK RIPRAP

MIN. CHANNEL DEPTH - 2'

PLACE TYPE 2 (O.S.H.D.) RIPRAP GEOTEXTILE BELOW RIPRAP THROUGHOUT.

DRAINAGE CHANNEL TYPICAL SECTION

PROFILE

CONST G2 C.B. Rim = ± 291.3 (Match New GRADE) IN I.E. = 288.31 OUT I.E. = 288.21

CONST. G2 C.B. Rim = ± 291.5 (Match New Grade) IN I.E. = 287.41 OUT I.E. = 287.31

L = 35' S = 2.3%

L = ±50' S = 2.3%

CONST. 12" ADS N-12 STORM SEWER PIPE

6" Water Line Crossing

CONST. DRAINAGE CHANNEL AS PER DETAIL. LINE W/CLASS 100 (OSHD) ROCK RIPRAP. ENCASE FIRST 10' IN CONC. GROUT. PROVIDE ENERGY DISSIPATION W/LARGER ROCKS PROTRUDING IN CHANNEL.

SLOPE = ± 8%

Exist. Grade along ℄

290 284 278 272 266 260 254 248 242

OPTIONAL STORM DRAIN PLAN

PROVIDED EASEMENT AVAILABLE. IF EASEMENT NOT AVAILABLE UTILIZE EXIST. STORM DRAINAGE SYSTEM AS PER SHEET 1.

PROFILE SCALE: HOR. 1"=20', VERT 1"=6'

5'-0"

℄

CONST. CONC. HEADWALL

4'-0"

CLASS 100 (OS HD.) ROCK RIPRAP

FRONT VIEW

6"

CONST. CONC. HEADWALL

NATIVE BACKFILL

Reinforcing Steel No. 4 Bar @ 8" o.c.s. each way w/ 2½" Clear Typical.

12" STORM SEWER

PROVIDE No. 4 Rebar Hoop 20" Diameter AROUND PIPE

CLASS 100 (O.S.H.D.) ROCK RIPRAP ENCASE first 10' in Conc. Provide ENERGY DISSIPATION W/LARGE ROCKS PROTRUDING IN CHANNEL

HEADWALL 12" BELOW PIPE INVERT

TYPE 2 (O.S.H.D.) RIP RAP GEOTEXTILE BELOW

SIDE VIEW

A / 2 CHANNEL & HEADWALL DETAIL

SCALE: 1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER 14,956 Keith D. Gallonas OREGON JULY 25, 1980 KEITH D. GARLINGHOUSE

HEADWALL NOTES:

1. Concrete shall attain a minimum compressive strength of 3000 psi at 28 days.
2. Provide 3/4" chamfer on all exposed edges.
3. All reinforcing steel shall be no. 4 bar at 8" o.c.s. each way unless otherwise noted.
4. All reinforcing steel shall conform to ASTM A615, Grade 60.
5. Minimum cover over all reinforcing steel shall be 2 1/2".
6. Minimum rebar lap distance shall be 20 times bar diameter.

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DATE	REVISIONS

CITY OF WEST LINN

ALDER STREET & STORM SEWER IMP.

DATE: 1/7/92	DRAWN BY: KG	APPROVED BY: David Monson PE	SHEET 2 OF 3	PROJECT NO. CI-91-02
SCALE: as shown	CHK'D BY: STAFF	FIELD BOOK: in file		DRAWING NO.

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS-BUILT NOTED, NOTE BOOK, No., DATE, BY

PROFILE: SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS-BUILT NOTED, NOTE BOOK, No., DATE, BY, ELEVATIONS CHECKED

K+E HERCULENE CRYSTALENE II

AS BUILT 7/92

Maple St.

Alder St.

Final Grade

Existing Grade

City of West Linn
Alder Street & Storm Sewer Imp
Proj. No: CI-91-02
Sht: 3 of 3

PLATE 1-SINGLE PLAN AND PROFILE-LINE & DOT
HIGHWAY ECCENTRIC AID SHEET
PRINTED IN U.S.A.