PLAT OF
PEREGRINE PARK

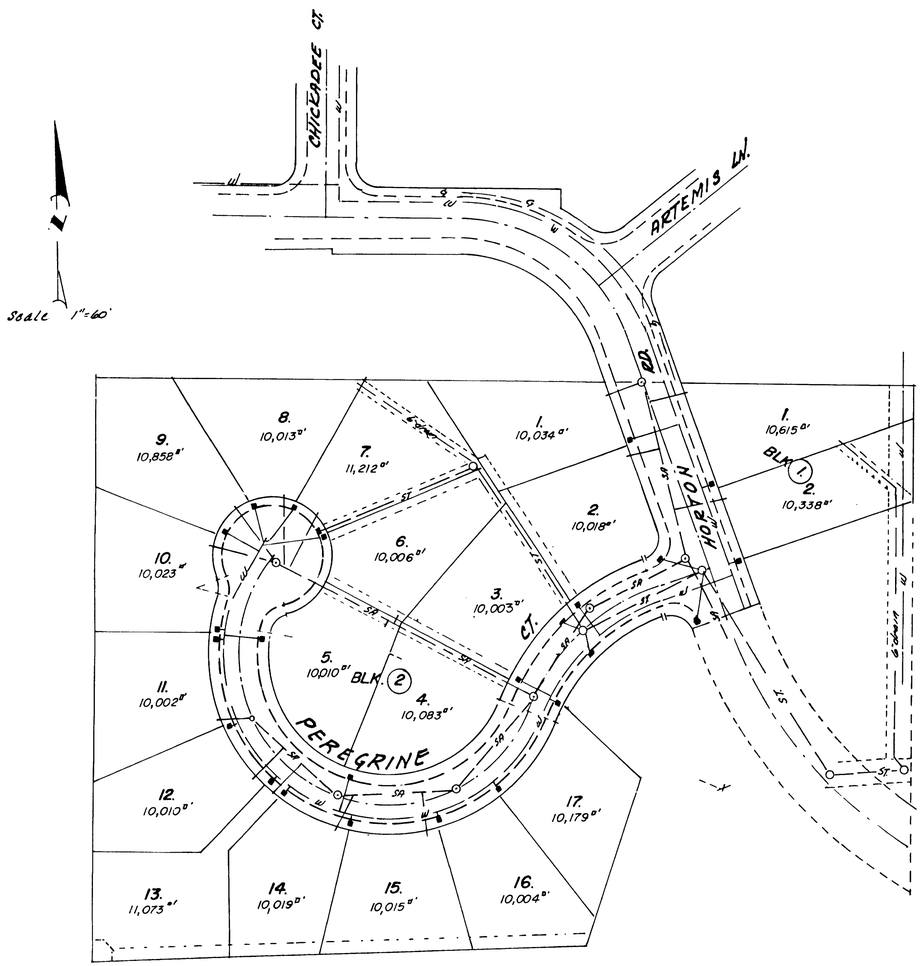
LOTS 1 & 2, BLOCK 1, LOTS 1 THRU 17, BLOCK 2.

SITUATED IN SECTIONS 25 AND 26, T.2S., R.1E., W.M.

PLANS FOR THE CONSTRUCTION OF

HORTON ROAD

PEREGRINE COURT



COMPOSITE UTILITY PLAN

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS AND THE APPLICABLE REQUIREMENTS OF THE CITY OF WEST LINN "STREET / UTILITY DESIGN AND CONSTRUCTION STANDARDS", ADOPTED JULY 14, 1988. ITEMS NOT COVERED BY THESE SPECIFICATIONS SHALL BE GOVERNED BY THE LATEST EDITION OF THE OREGON DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION, "STANDARDS SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" OR THE LATEST EDITION OF THE CONSTRUCTION STANDARDS OF THE AMERICAN PUBLIC WORKS ASSOCIATION.
2. EXCAVATORS MUST COMPLY WITH ALL PROVISIONS OF ORS 757.541 TO 757.571 INCLUDING NOTIFICATION OF ALL OWNERS OF UNDERGROUND FACILITIES AT LEAST 48 BUSINESS DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING WORK.
3. NOTIFY CITY OF WEST LINN ENGINEERING DEPARTMENT AND THE ENGINEER AT LEAST 2 BUSINESS DAYS BEFORE COMMENCING WORK. PHONE : WEST LINN (503)656-4211 , ENGINEER (503)771-8475
4. ELEVATIONS ARE BASED ON BRASS CAP IN VALVE BOX, CITY OF WEST LINN DATUM, ELEVATION 867.224, LOCATED ON ROSEMONT ROAD 93.5 FEET EAST OF THE INTERSECTION OF PARKER, SALOMO, ROSEMONT AND HORTON ROADS, 17.00 FEET SOUTH OF THE EDGE OF PAVEMENT.
5. ADJUST ALL MANHOLE LIDS AND VALVE BOXES TO FINISH STREET GRADE AT THE TIME OF FINAL PAVING.
6. SAW CUT PAVEMENT AT END OF HORTON AS NECESSARY PRIOR TO PAVING TO PROVIDE A SMOOTH JOINT.
7. USE 3000 psi/ 6.1 SACK MIX CONCRETE FOR ALL SIDEWALKS, CURBS, AND DRIVEWAYS. CONCRETE SHALL CONFORM TO SECTION 504 OF THE OREGON DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
8. UTILITIES SHOWN ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. THE ENGINEER, THE CITY OF WEST LINN, AND/OR THE OWNER ACCEPT NO RESPONSIBILITY FOR THE LOCATION ACCURACY OF THE UTILITIES SHOWN. THERE MAY BE OTHERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL UTILITIES THAT MAY CONFLICT WITH HIS WORK.
9. CLASS "B" BEDDING REQUIRED. GRANULAR BACKFILL IN ROADWAY REQUIRED.
10. ROAD RESTORATION SHALL MATCH THE EXISTING ROCK AND PAVING.
11. STORM DRAIN PIPE MAY BE CONCRETE CONFORMING TO ASTM C-14 CLASS 3 WITH RUBBER GASKETS, PVC CONFORMING TO ASTM D-3034 SDR 35 OR CORRUGATED POLYETHYLENE CONFORMING TO AASHTO M 252. ALL PVC OR POLYETHYLENE PIPE MUST PASS A MANDREL TEST. DEFLECTION OF THE PIPE SHALL NOT EXCEED 5%.
12. ALL SANITARY SEWER PIPE MAY BE EITHER CONCRETE CONFORMING TO ASTM C-14 CLASS 3 OR PVC CONFORMING TO ASTM D-3034, SDR 35 WITH CLASS "B" BEDDING AND BACKFILL. ALL JOINTS SHALL BE RUBBER GASKETED. THE EXISTING SEWER SYSTEM MUST REMAIN PLUGGED AND NO CONNECTION MADE UNTIL THE NEW INSTALLATION HAS BEEN PRESSURE TESTED AND APPROVED BY THE ENGINEER. ALL PVC OR POLYETHYLENE PIPE MUST PASS A MANDREL TEST. DEFLECTION OF THE PIPE SHALL NOT EXCEED 5%. ALL SANITARY MANHOLES TO BE HYDROSTATICALLY OR VACUUM TESTED.
13. ALL TRENCHES IN STREET AND SIDE WALK AREAS ARE TO BE BACKFILLED TO SUBGRADE WITH CITY APPROVED GRANULAR MATERIAL.
14. ALL MANHOLES OUTSIDE OF THE PAVED STREETS SHALL HAVE TAMPERPROOF FRAMES AND COVERS. FINISH ELEVATION OF THE TOP OF THE COVER SHALL BE 1.00 FOOT ABOVE ADJACENT GROUND AFTER GRADING.
15. COMPACTION TESTS ARE REQUIRED FOR ALL TRENCH BACKFILL WITHIN THE RIGHT OF WAY, ALL BASE ROCK, ASPHALTIC CONCRETE AND ENGINEERED FILLS. ALL MATERIALS THREE FEET BELOW SUBGRADE SHALL BE COMPACTED TO 90% OF ASSHTO T-180 AND ABOVE THREE FEET BELOW SUBGRADE SHALL BE COMPACTED TO 95% OF AASHTO T-180. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE FURNISHING OF 20 PASSING COMPACTION TESTS.
16. ROADWAY SUBGRADE MUST BE INSPECTED BY THE CITY OF WEST LINN PRIOR TO THE PLACING OF BASE ROCK.
17. PUBLIC WATER IMPROVEMENTS MUST BE APPROVED BY THE CITY OF WEST LINN. NO DIRECT CONNECTIONS TO THE EXISTING WATER MAINS MAY BE MADE UNTIL ALL LINES HAVE BEEN TESTED AND CHLORINATED.
18. THE CONTRACTOR MUST HAVE A COPY OF THE CURRENT CITY OF WEST LINN STREET/UTILITY DESIGN AND CONSTRUCTION STANDARDS FOR PUBLIC IMPROVEMENTS ON THE PROJECT SITE.
19. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE AMOUNT OF WORK TO BE DONE. NEITHER THE ENGINEER, THE OWNER, OR THE CITY OF WEST LINN MAKE ANY GUARANTEE AS TO THE AMOUNT OF WORK AND MATERIALS REQUIRED TO COMPLETE THE PROJECT.
20. THE CONTRACTOR SHALL LOCATE AND PROTECT FROM DAMAGE THE EXISTING PROPERTY CORNERS AND BENCH MARKS. ANY CORNERS OR MARKS DESTROYED OR REMOVED BY THE CONTRACTORS ACTION SHALL BE REPLACED BY A REGISTERED PROFESSIONAL LAND SURVEYOR AND THE COST THEREOF BORNE BY THE CONTRACTOR.
21. ALL WATER LINE MATERIALS TO CONFORM TO DIVISION 4 SECTION 402 OF THE CITY OF WEST LINN STANDARD SPECIFICATIONS. ALL WATER PIPE 4" AND LARGER TO BE CLASS 52 DUCTILE IRON. ALL WATER PIPE LESS THAN 2" TO BE COPPER.
22. GEOTEXTILE FABRIC, WHEN REQUIRED, SHALL CONFORM TO DIVISION 508, SECTION 508.02.01 OF THE OREGON STATE HIGHWAY STANDARD SPECIFICATIONS.
23. SAW CUT PAVEMENT ON HORTON ROAD FOR THE INSTALLATION OF THE WATER MAIN. REMOVE PAVEMENT TO THE FACE OF CURB EXCEPT THROUGH THE INTERSECTIONS IF ARTEMIS AND CHICKADEE COURT.

— INDEX —

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PEREGRINE COURT PROFILE	3.
HORTON ROAD PROFILE	4.
STORM SEWER AND STORM DRAIN PROFILES	5.
SANITARY SEWER AND WATER LINE PLANS	6.
SANITARY SEWER PROFILES	7.
STANDARD DRAWINGS	8.
STANDARD DRAWINGS	9.
GRADING PLAN	10.

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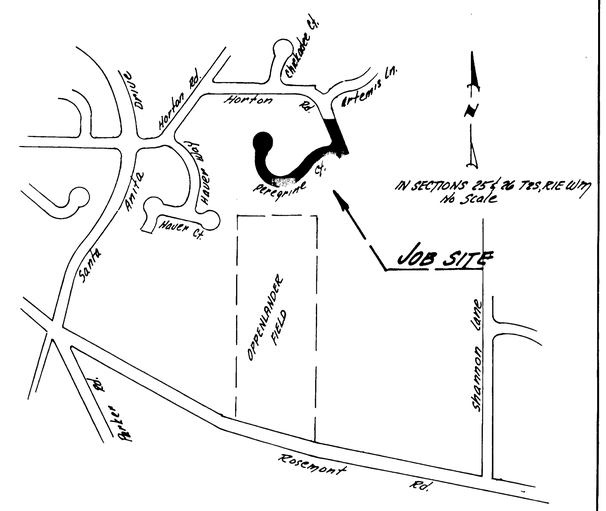
ENGINEERS PLANNERS SURVEYORS
3736 S.E. 70th AVE.
PORTLAND, OREGON 97206
(503) 771-8475



Vicinity Map
not to scale

AS BUILT
NOV. 29, 1991

TBM	top of iron rod in fence corner. N.E. corner OPPENLANDER FIELD. El. 682.91

No	DATE	BY	REVISIONS	APPROVED

REGISTERED PROFESSIONAL ENGINEER 7775 OREGON NOV 19 1991 EUGENE P. DI LORETO

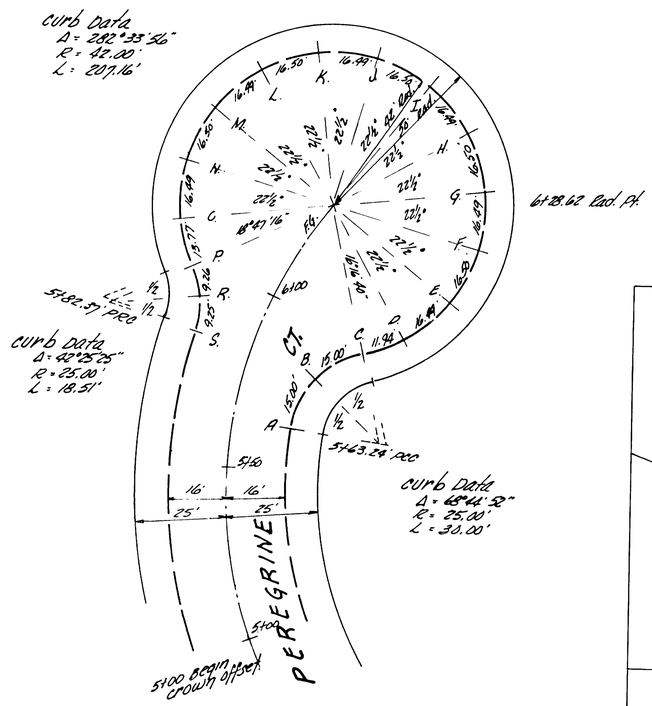
CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

TITLE SHEET AND GENERAL NOTES

PLAT - PEREGRINE PARK

DESIGNED	DRAFTED DAW	CHECKED	SHEET 1. OF 10.
DATE 6/6/91	SCALE NOTED		

PEREGRINE PARK 91



CUL-DE-SAC DETAIL
SCALE 1" = 20'

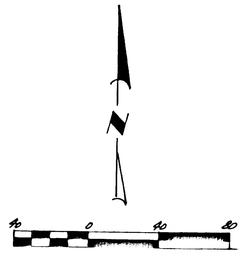
TOP of Curb El.

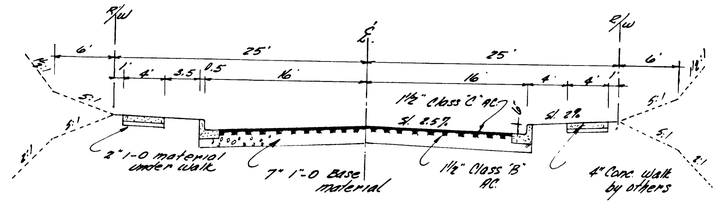
A	= 686.86	J.	= 679.79
B.	= 685.82	K	= 680.48
C	= 684.42	L.	= 681.44
D	= 683.16	M	= 682.82
E	= 681.71	N	= 683.40
F	= 680.62	O	= 684.38
G	= 679.88	P	= 685.20
H	= 679.49	R	= 685.75
I	= 679.50	S	= 686.30

STREET CURVE DATA

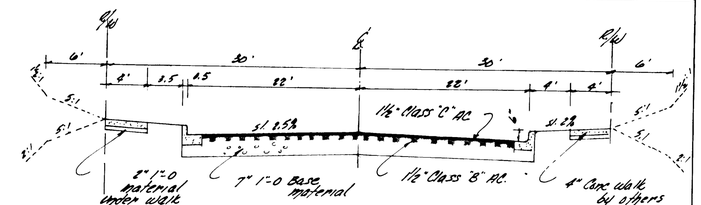
1: Δ = 48°28'45"
R = 175.00'
L = 148.07'
C = 143.64'
CB = S45°44'23"W

2: Δ = 197°21'00"
R = 125.00'
L = 430.55'
C = 247.14'
CB = N59°49'30"W

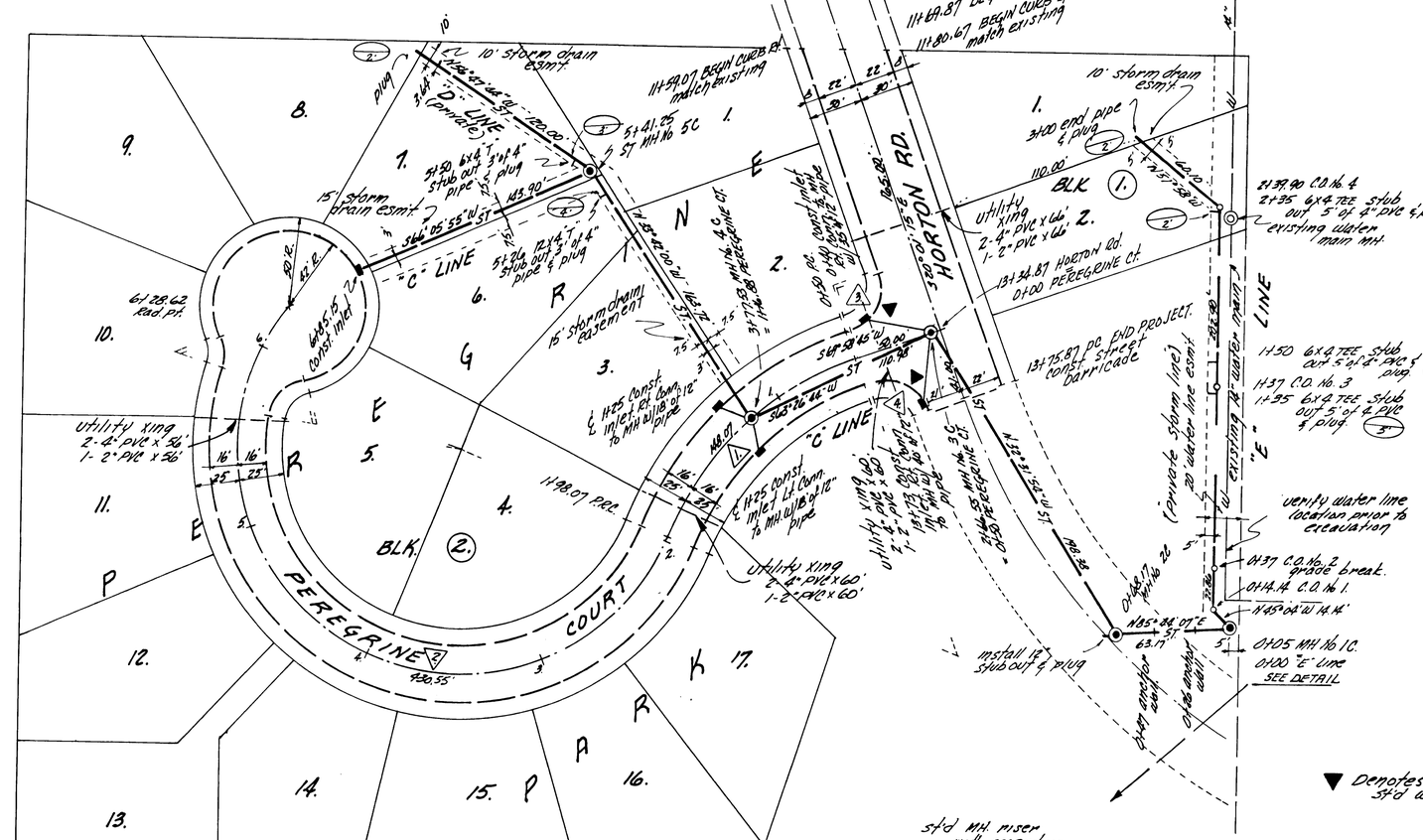


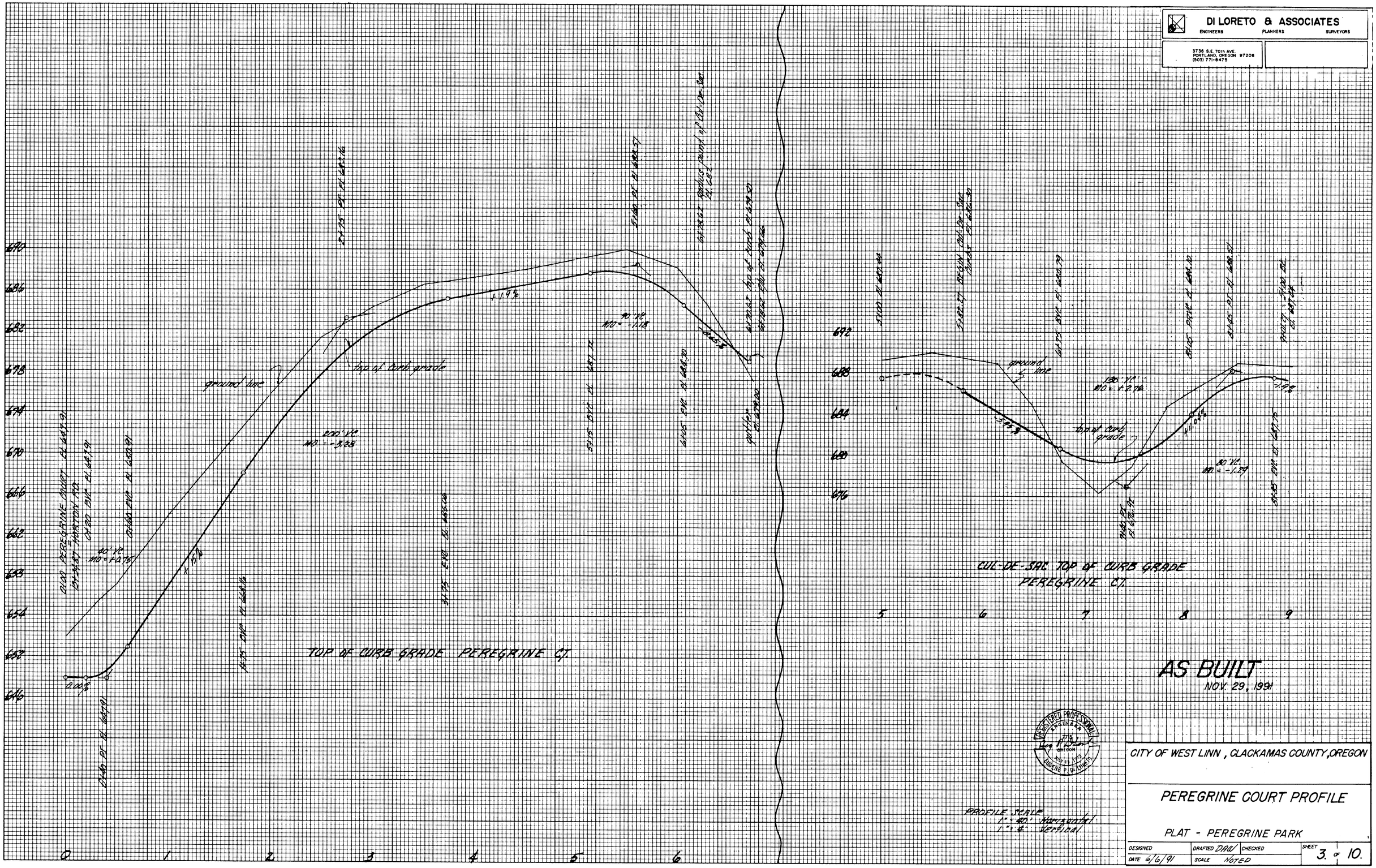


TYPICAL SECTION
PEREGRINE CT.
not to scale



TYPICAL SECTION
HORTON RD.
not to scale


11+69.87 BEGIN PROJECT.
11+80.67 BEGIN CURB 4+ match existing
11+59.07 BEGIN CURB 8+ match existing
10' storm drain esmt.
"D" LINE (private)
5+50 6x4 T stub out 3' of 4" pipe & plug
5+41.25 ST MH No 5C
15' storm drain esmt.
"C" LINE
5+26 12x4 T stub out 3' of 4" pipe & plug
15' storm drain easement
6+85.15 const. inlet
6+28.62 Rad. Pt.
utility xing 2-4" PVC x 56' 1-2" PVC x 56'
1+25 const. inlet 1 ft. conn. 12" to MH w/18' of 12" pipe
1+98.07 PRC
utility xing 2-4" PVC x 60' 1-2" PVC x 60'
PEREGRINE COURT
430.55'
BLK. (2.)
HORTON RD.
3+00 end pipe & plug
BLK (1.)
utility xing 2-4" PVC x 46' 1-2" PVC x 46'
2+37.90 C.O. No. 4
2+35 6x4 TEE stub out 5' of 4" PVC & plug
existing water main MH.
13+34.87 Horton Rd. 0+00 PEREGRINE CT.
13+75.87 PC END PROJECT. const. street barricade
1+50 6x4 TEE stub out 5' of 4" PVC & plug
1+37 C.O. No. 3
1+35 6x4 TEE stub out 5' of 4" PVC & plug
"E" LINE
verify water line location prior to excavation
0+37 C.O. No. 2 grade break.
0+14.14 C.O. No. 1.
0+05 MH No. 1C.
0+00 "E" line
SEE DETAIL
install 12" stub out & plug
install 12" plug
install 12" 45° bend
install 12" 22½° bend
install 12" 11¼° bend
install 12" 5° bend
install 12" 2½° bend
install 12" 1° bend
install 12" 1° bend
install 12" 2½° bend
install 12" 5° bend
install 12" 11¼° bend
install 12" 22½° bend
install 12" 45° bend
install 12" 90° bend
install 12" 90° bend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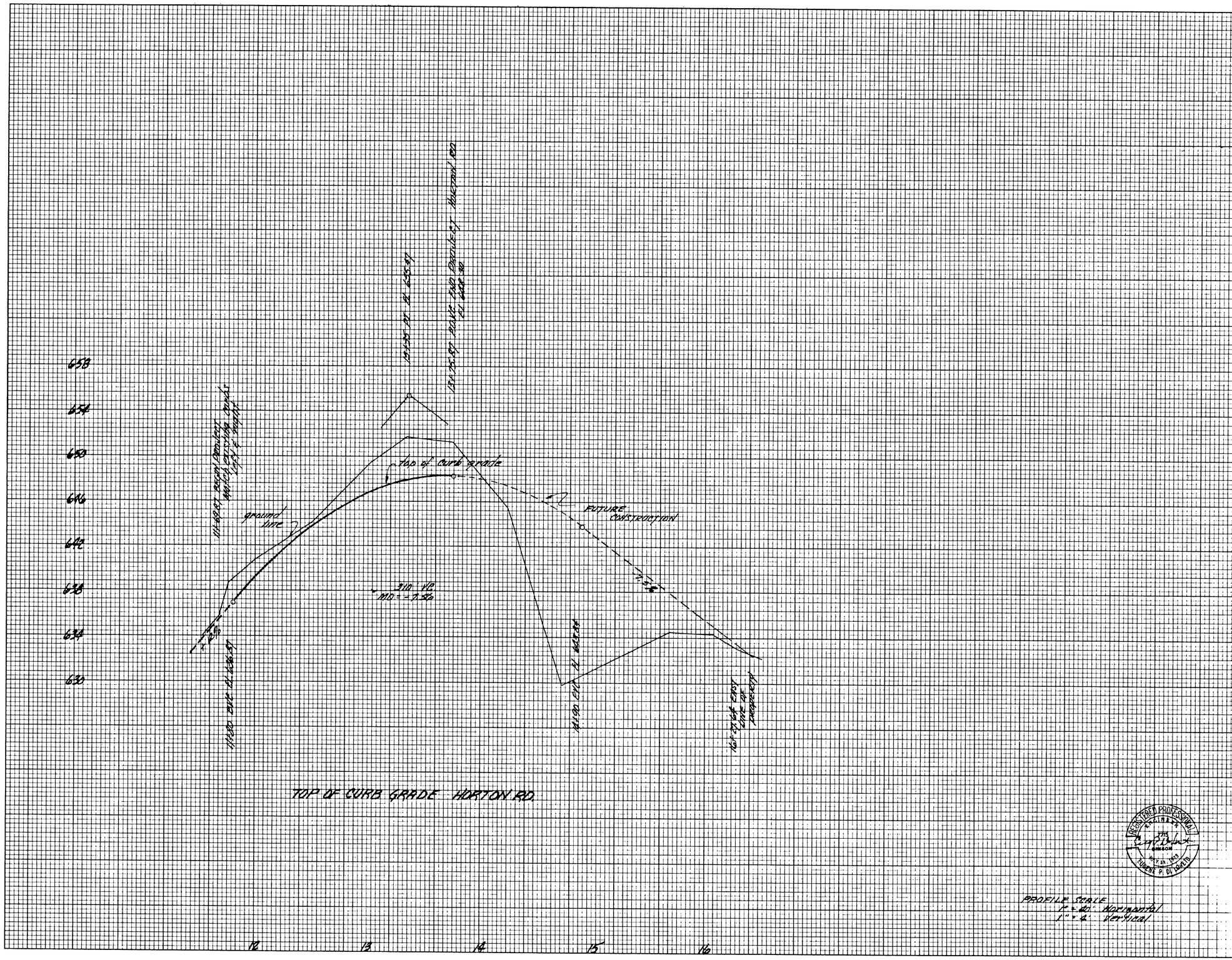
PORTLAND, OREGON 97206
(503) 771-8475
ORIGINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NOTE BOOK
NO.
BY
DATE
FINAL SURVEY
ground line
top of curb grade
TOP OF CURB GRADE PEREGRINE CT.
CUL-DE-SAC TOP OF CURB GRADE
PEREGRINE CT.
AS BUILT
NOV. 29, 1991
CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON
PEREGRINE COURT PROFILE
PLAT - PEREGRINE PARK
PROFILE SCALE
1" = 40' Horizontal
1" = 4' Vertical
DESIGNED
DRAFTED DAW
CHECKED
DATE 6/6/91
SCALE NOTED
SHEET 3 OF 10.
PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK



AS BUILT
NOV. 29, 1991

PROFILE SCALE
1" = 40' Horizontal
1" = 4' Vertical

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CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

HORTON ROAD PROFILE

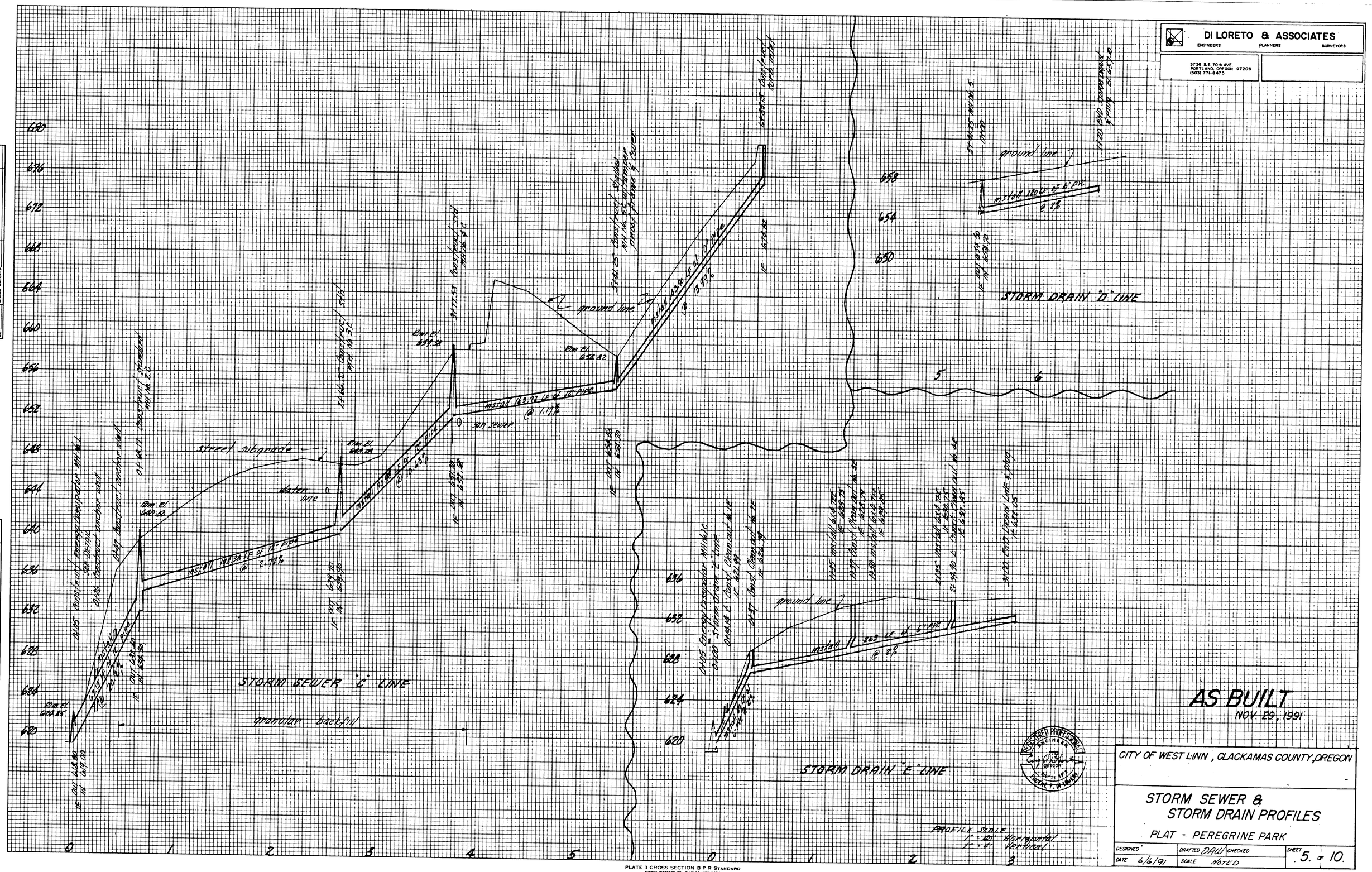
PLAT - PEREGRINE PARK

DESIGNED	DRAFTED DAW	CHECKED	SHEET 4 OF 10.
DATE 6/6/91	SCALE NOTED		

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO-NEW YORK



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AS BUILT
NOV. 29, 1991

REGISTERED PROFESSIONAL ENGINEER
OREGON
EUGENE T. DI LORETO

CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

STORM SEWER & STORM DRAIN PROFILES

PLAT - PEREGRINE PARK

DESIGNED	DRAFTED DAW	CHECKED	SHEET 5. OF 10.
DATE 6/6/91	SCALE NOTED		

PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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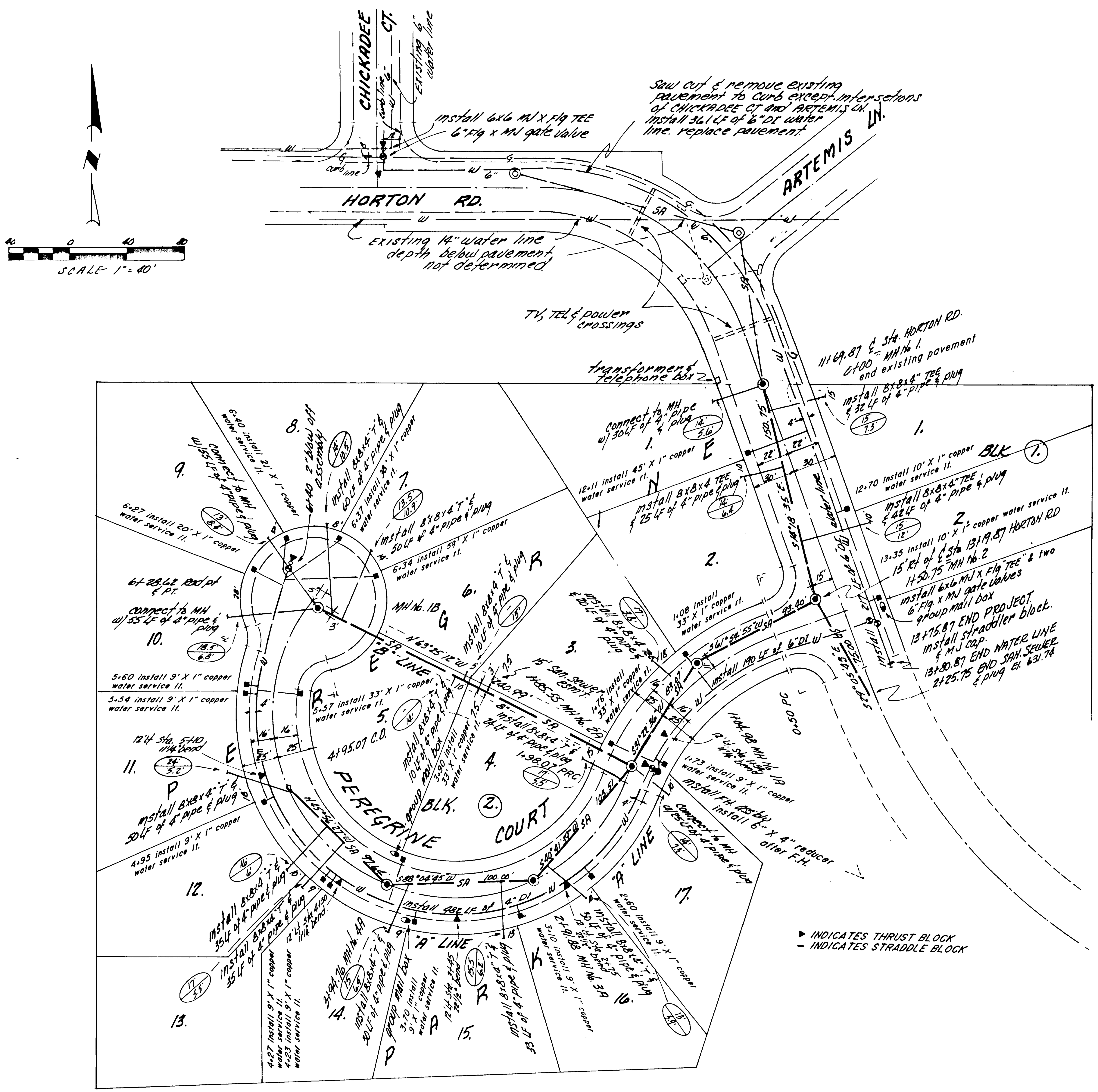


13 / 5.9' — DISTANCE FROM FACE OF CURB. / DEPTH BELOW GRADE

REGISTERED PROFESSIONAL ENGINEER 7715 OREGON JULY 13, 1973 EUGENE P. DI LORETO

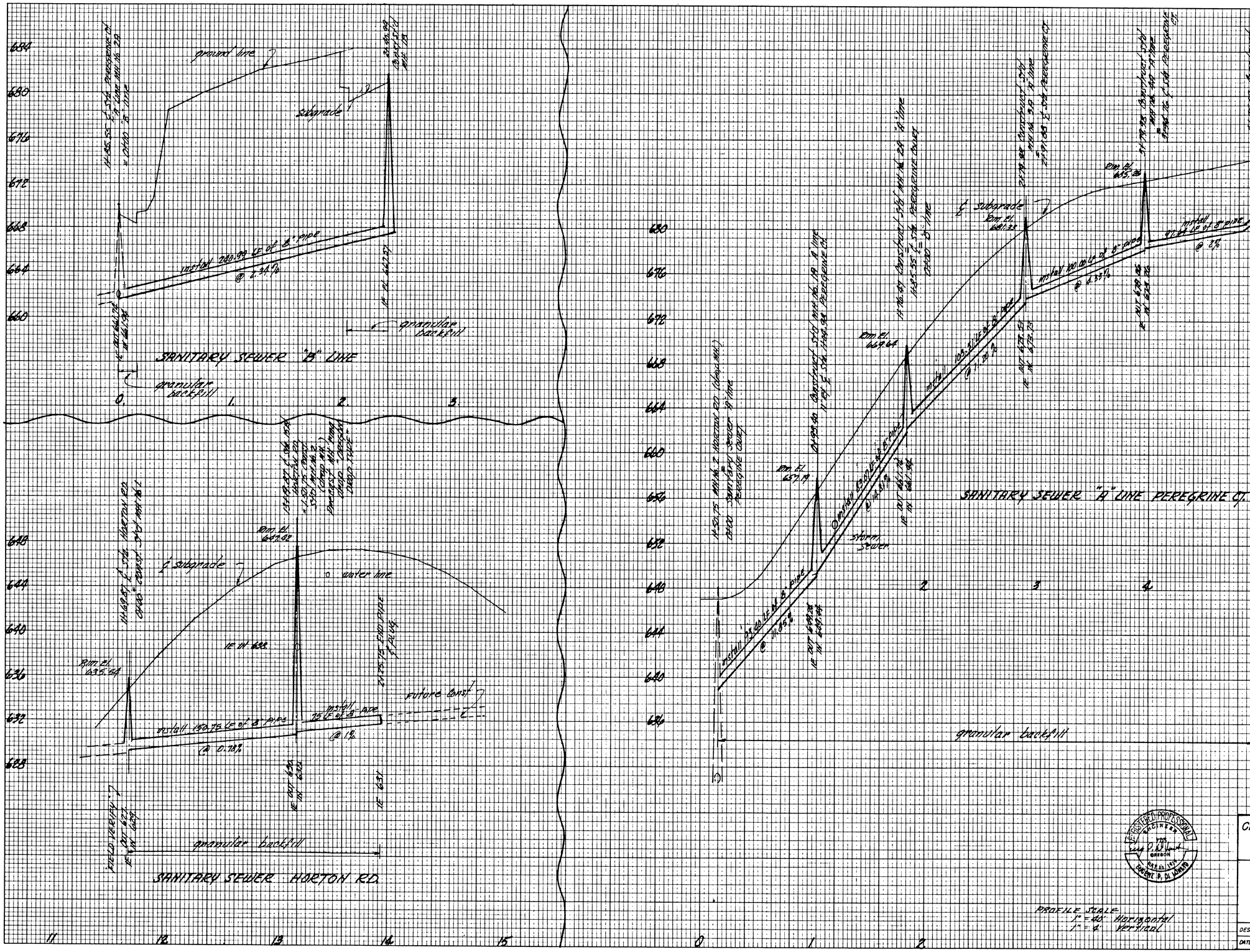
AS BUILT

NOV. 29, 1991

CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

SANITARY SEWER & WATER LINE PLANS

DESIGNED	DRAFTED DAW	CHECKED	SHEET 6. of 10
DATE 6/6/91	SCALE 1" = 40'		



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AS BUILT
NOV. 29, 1991

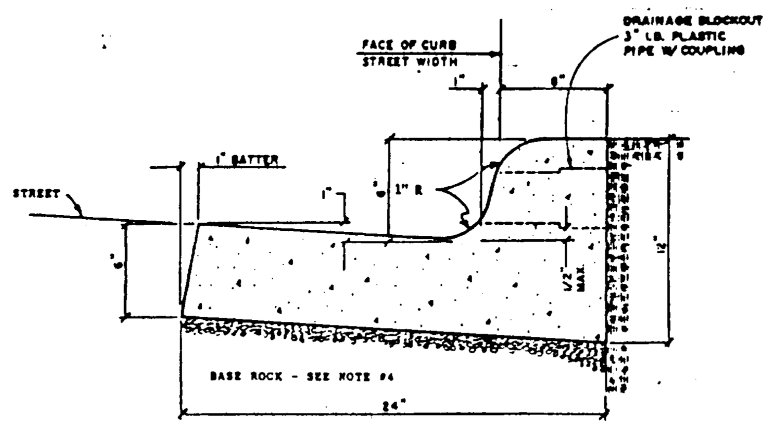
CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

SANITARY SEWER PROFILES

PLAT - PEREGRINE PARK

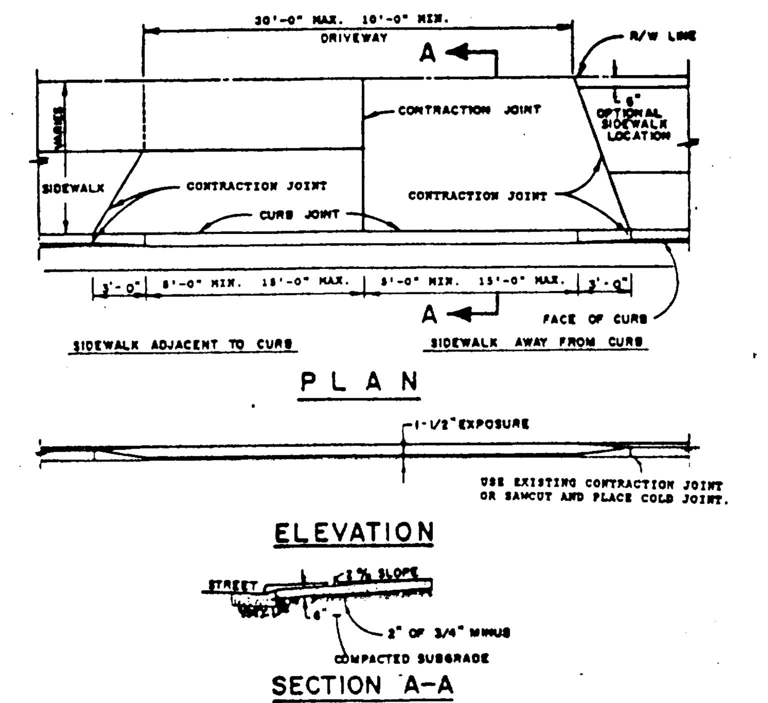
DESIGNED	DRAFTED DAW	CHECKED	SHEET 7 OF 10
DATE 6/6/91	SCALE NOTED		

PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK



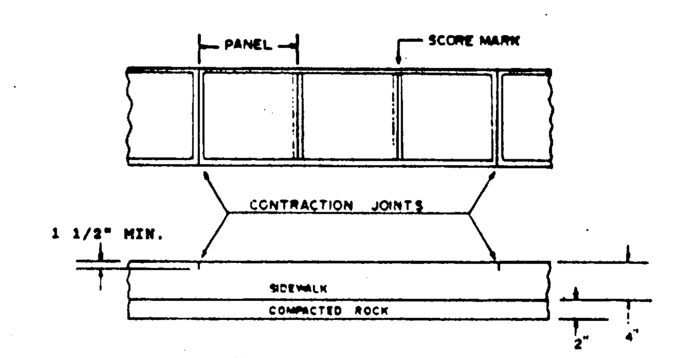
1. When used along medians, gutters may be reduced with prior approval from the City Engineer.
2. Concrete shall have a breaking strength of 3000 PSI after 28 days.
3. CONTRACTION JOINTS
   A. To be provided:
      1) at each point of tangency of the curb.
      2) at each cold joint.
      3) at each side of inlet structures.
      4) at both sided of an approach.
   B. Spacing to be not more than 15 feet.
   C. The depth of the joint shall be at least 1 1/2".
4. Base rock - 1 1/2" minus, 95% compaction. Rock shall be to subgrade of street structure or 4" in depth, whichever is greater.
5. Drainage block - 3" dia. plastic pipe.
   A. Drainage access through existing curbs shall be by the following:
      1) core drilling.
      2) vertical saw-cut of curb 18" each side of drain & repoured to full depth of curb.

CITY OF WEST LINN — CURB & GUTTER
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. CG - 265



1. CONCRETE SHALL HAVE A MINIMUM BREAKING STRENGTH OF 3000 PSI AFTER 28 DAYS, 6 SACK MIX.
2. CURB JOINT SHALL BE A TROWELED JOINT WITH A MIN. 1/2" RADIUS ALONG BACK OF CURB.
3. DRIVEWAY SHALL BE A MINIMUM 6" THICK.

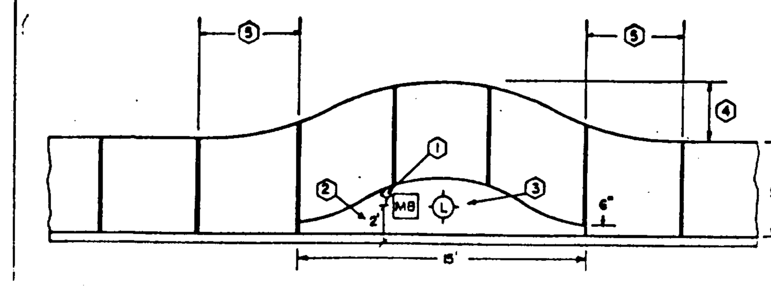
CITY OF WEST LINN — RESIDENTIAL DRIVEWAY
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. DW - 250



NOTES

1. EXPANSION JOINTS SHALL NOT BE USED.
2. 1 1/2" MIN. DEEP CONTRACTION JOINTS SHALL BE PLACED AT SIDES OF DRIVEWAY APPROACHES, UTILITY VAULTS, WHEEL-CHAIR RAMPS, & AT TRANSVERSE SPACING NOT TO EXCEED 15 LF.
3. CONTRACTION JOINTS SHALL MATCH THE EXISTING CURB JOINTS & TRAVEL THRU FULL WIDTH OF SIDEWALK.
4. PANEL LENGHTS SHALL BE EQUAL TO THE SIDEWALK WIDTH, BUT MAY BE ADJUSTED WITH THE CITY INSPECTORS APPROVAL.
5. SCORE MARKS SHALL BE PLACED PRIOR TO EDGING & BE REMOVED AT SIDES BY THE EDGING.

CITY OF WEST LINN — CONCRETE SIDEWALK JOINT DETAILS
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. CS - 270.1



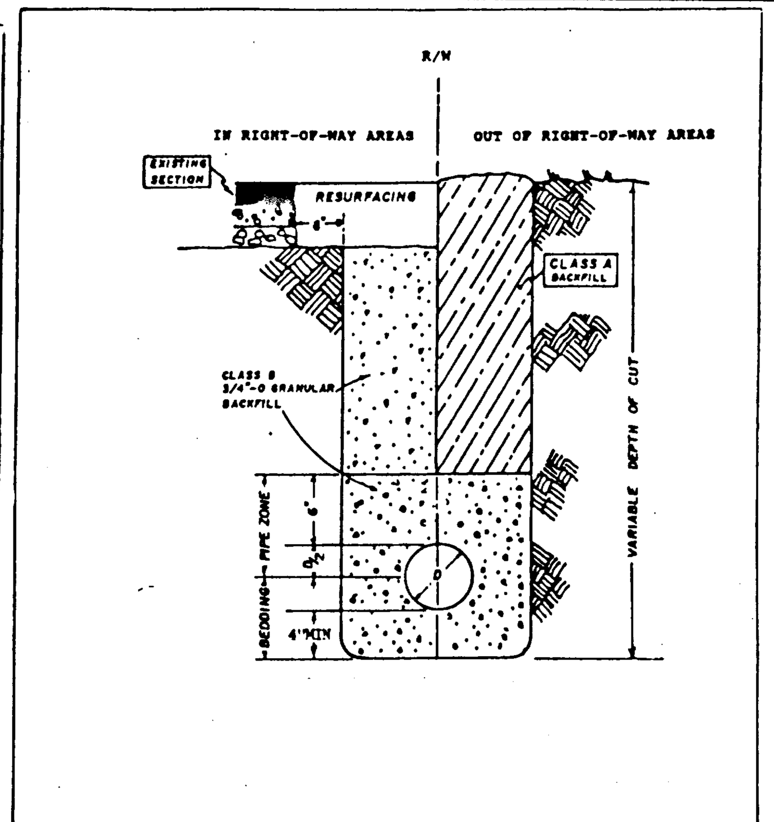
SPECIFICATIONS

1. Min. 3" clearance between face of sidewalk & closest point on back of mailbox.
2. Center of mailbox shall be 2' from face of curb.
3. Light poles & firehydrants are to be centered in island.
4. 2' for firehydrants & light poles. 3' for mailboxes.
5. The reverse curve shall extend 5' beyond the rerouted area.

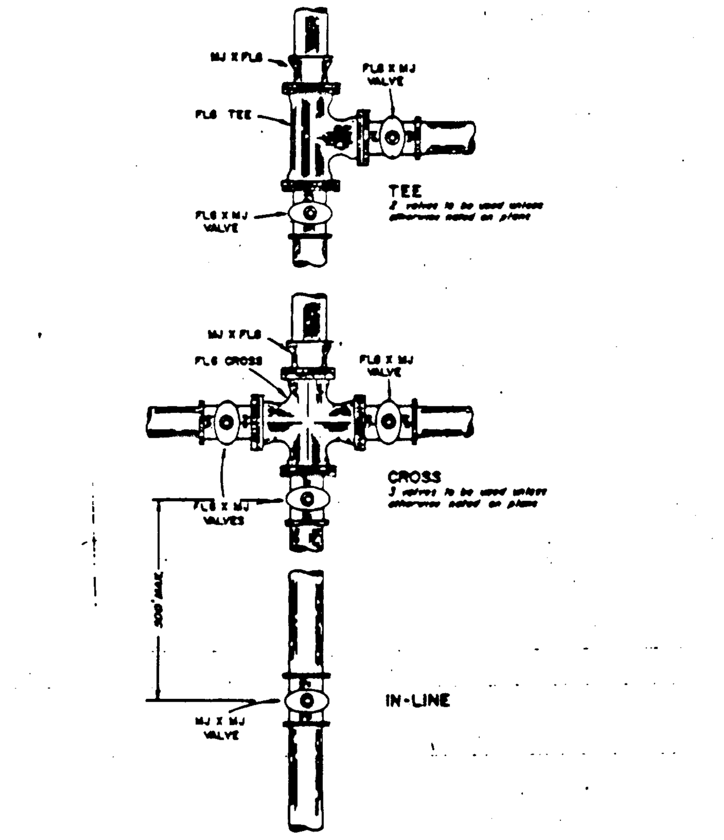
GENERAL NOTES

1. Sidewalks to be rerouted around all light poles, mailboxes, & firehydrants that exist in the sidewalk area.
2. Mailboxes shall not be installed adjacent to firehydrants.
3. Sidewalks shall not be rerouted if the existing meter boxes, utility poles, transformers, ect., will be in the rerouted sidewalk.
4. If the sidewalk is in place prior to the installation of the light pole, mailbox, or firehydrant, then the sidewalk shall be removed and rerouted.

CITY OF WEST LINN — CONCRETE SIDEWALK CLEARANCES
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DKK DATE 5-27-87 | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. CS - 270.2



CITY OF WEST LINN — PIPE BEDDING AND BACKFILL DETAILS
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DKK DATE 5-27-87 | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. PB - 280



CITY OF WEST LINN — VALVE LOCATION
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. VL - 303

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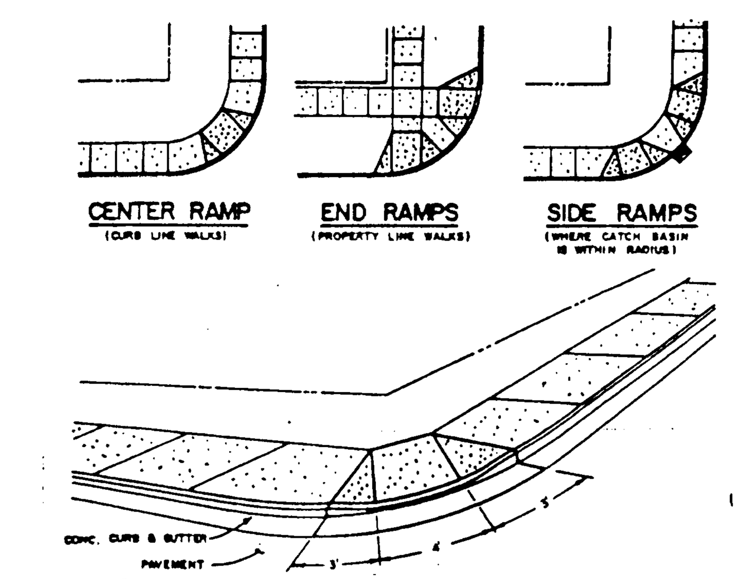
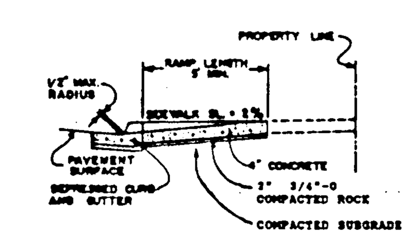
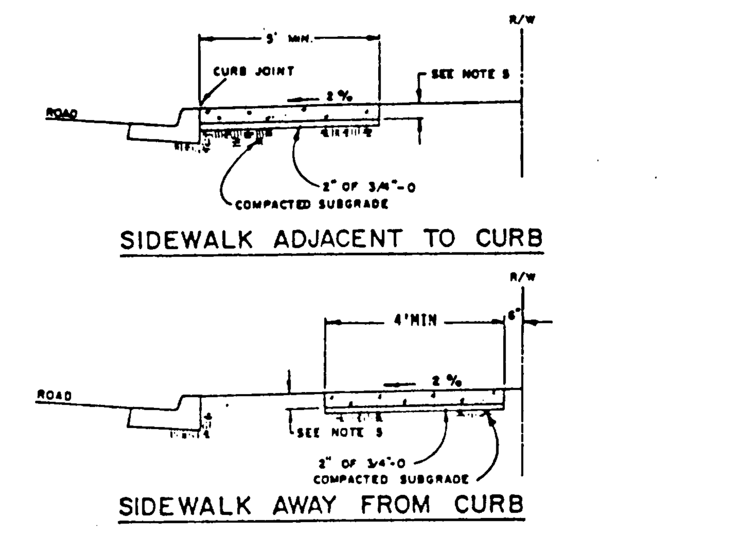




1. For sidewalk details, see Dwg. No.'s CS - 270 & CS - 270.1
2. See Dwg. No. CG - 265 for curb and gutter detail.
3. Ramp width shall be as shown hereon unless otherwise approved by the City Engineer.
4. Concrete shall be 3000 PSI at 28 days, 6 sack mix, slump range 1½" to 3".

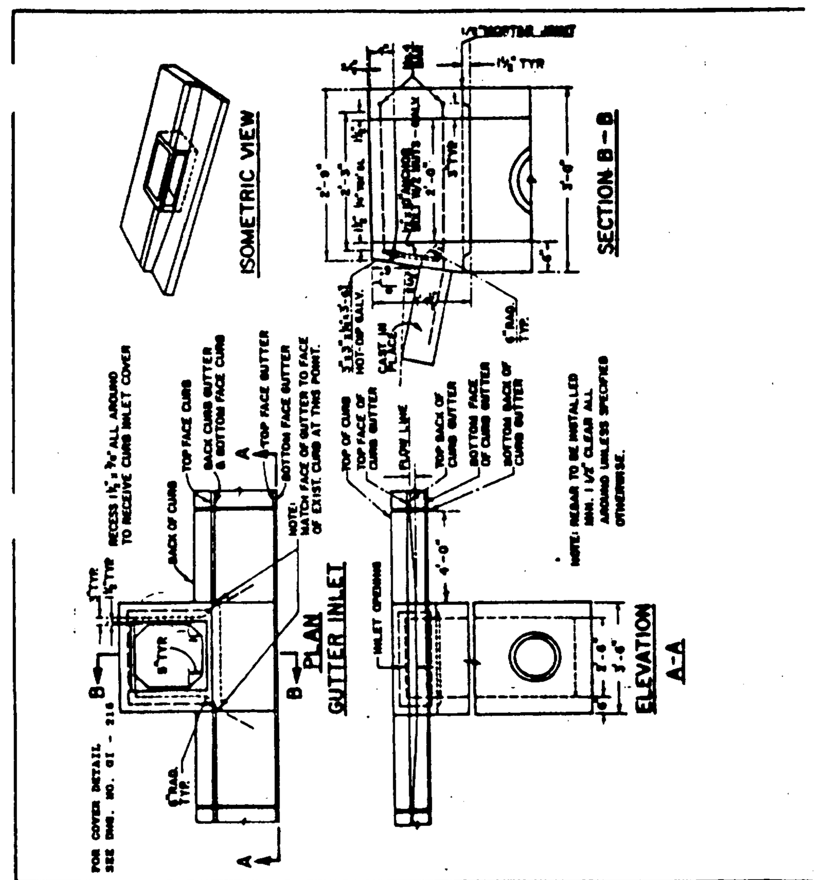
CITY OF WEST LINN — SIDEWALK RAMP
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. CS - 271



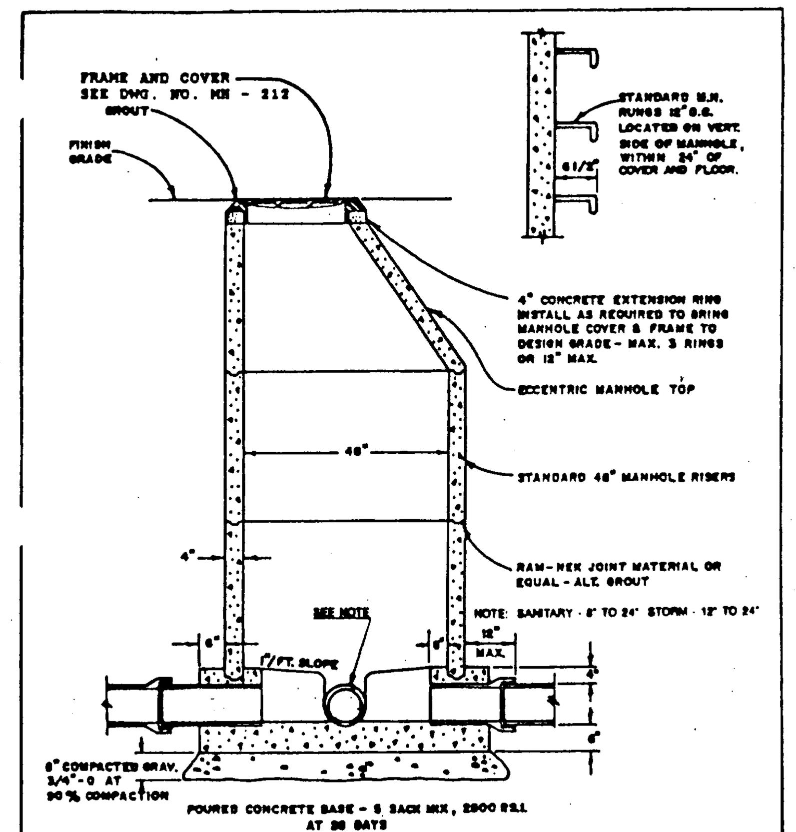
1. Concrete shall be 300 PSI at 28 days, 6 sack mix, slump range of 1 1/2" to 3".
2. Panel lengths shall be equal to the sidewalk width, but may be adjusted with the City Engineers approval.
3. Contraction joints (1 1/2" deep) shall be placed every third panel, with a max. spacing of 15 feet.

   Joints shall also be placed at the sides of driveway approaches, utility vaults, and wheelchair ramps.
4. A curing compound shall be used. White reflective sheeting shall be used in case of rain.
5. For sidewalks adjacent to the curb & poured at the same time as the curb, the joint between them shall be a troweled joint with a min. 1/2" radius.
6. The sidewalk shall have a min. thickness of 6" if mountable curb is used or if the sidewalk is intended as a portion of the driveway. Otherwise, the sidewalk shall have a min. thickness of 4".
7. Drain blockouts in the curb shall be extended to the back of the sidewalk with a 3" dia. plastic pipe at a 2% slope. A contraction joint shall be placed over the pipe.

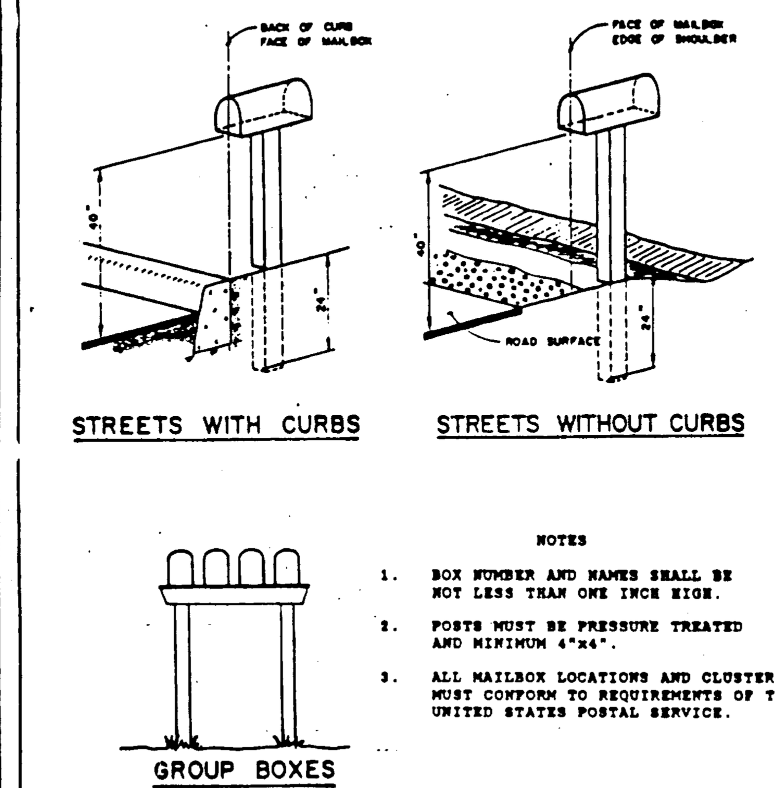
CITY OF WEST LINN — CONCRETE SIDEWALK
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DKK DATE 5-27-87 | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. CS - 270



CITY OF WEST LINN — GUTTER INLET-2½A
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. GI - 214



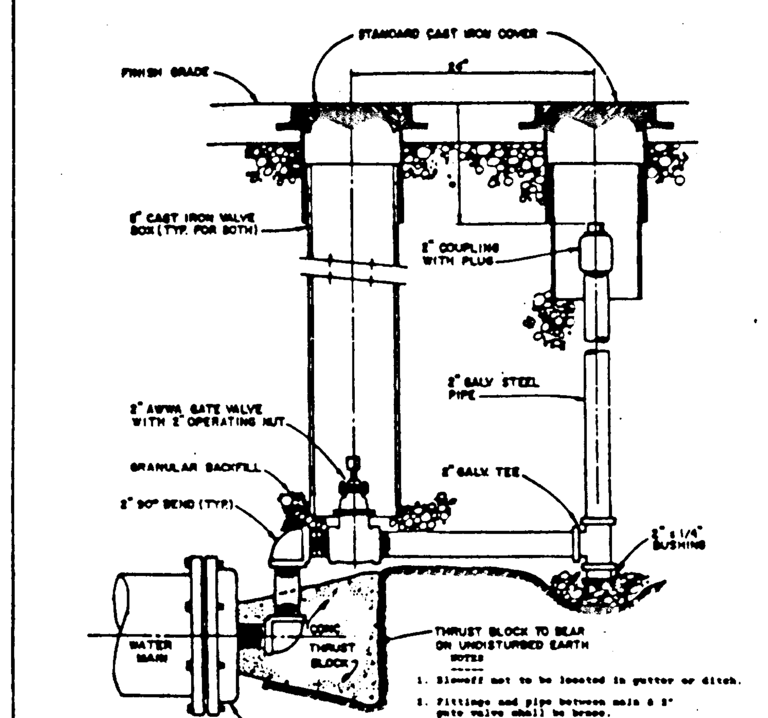
CITY OF WEST LINN — STANDARD MANHOLE
DRAWN BY DDP DATE 5-20-87 | CHECKED BY DKK DATE 5-27-87 | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. MH - 209



NOTES

1. BOX NUMBER AND NAMES SHALL BE NOT LESS THAN ONE INCH HIGH.
2. POSTS MUST BE PRESSURE TREATED AND MINIMUM 4"x4".
3. ALL MAILBOX LOCATIONS AND CLUSTERS MUST CONFORM TO REQUIREMENTS OF THE UNITED STATES POSTAL SERVICE.

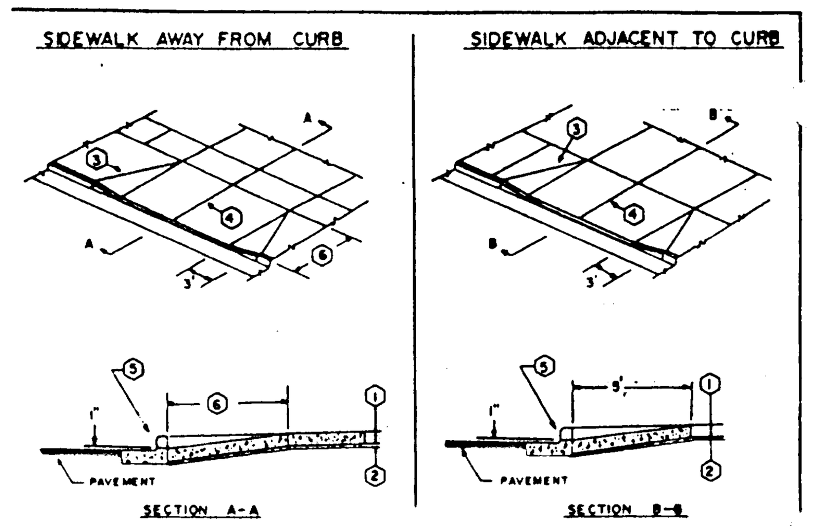
CITY OF WEST LINN — MAILBOX LOCATION
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. MB - 275



NOTES

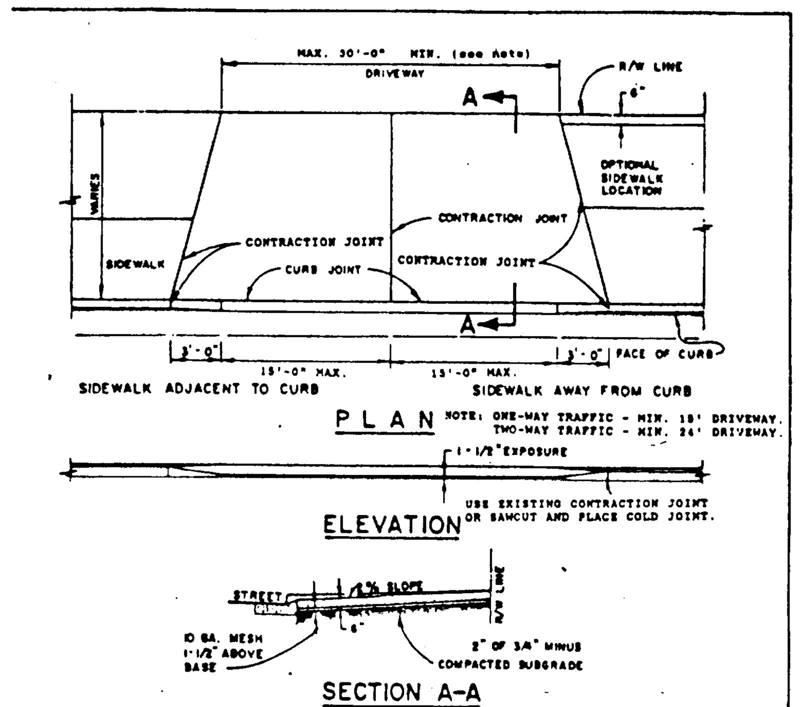
1. Blowoff not to be located in gutter or ditch.
2. Fittings and pipe between main & 2" gate valve shall be brass.
3. Coat all galvanized pipe or exposed steel with protective coating conforming to AWWA C 203.
4. Restrain mechanical joint plug to pipe.
5. This standard applicable for pipe sizes thru 8".

CITY OF WEST LINN — BLOWOFF
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. BO - 301



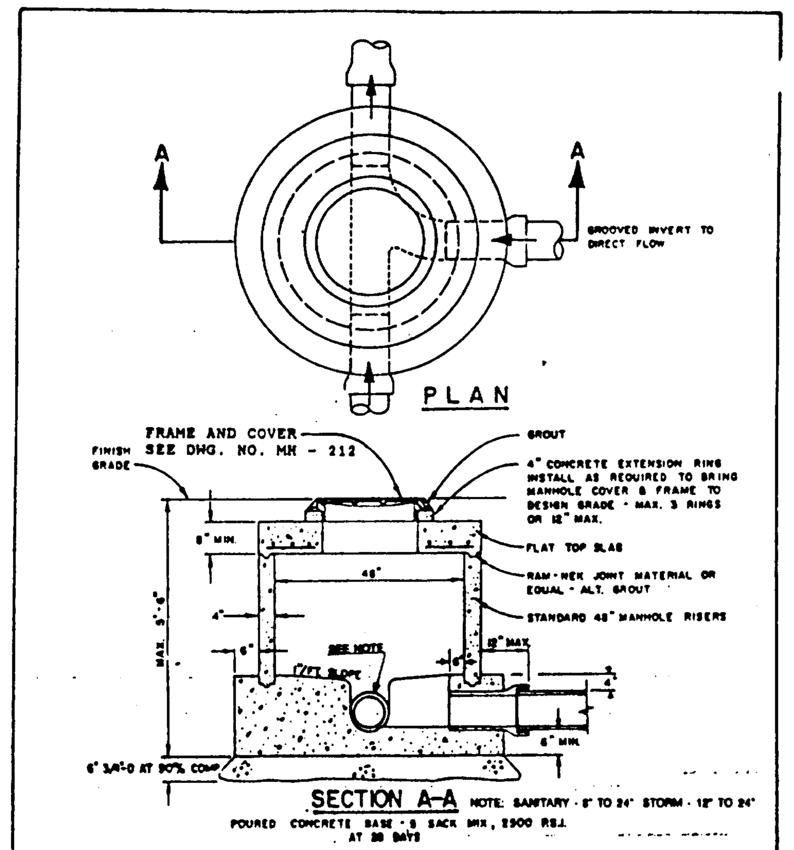
1. Min. thickness shall be 6".
2. 2" of compacted 3/4"-0 aggregate, over compacted subgrade.
3. 1" min. deep contraction joints shall be placed at sided of driveway approach.
4. For a 20' driveway, a 1" deep contraction joint shall be placed at the center. An additional joint shall be installed for each additional 10' of driveway width.
5. In areas of curb removal: For standard curb, excavation shall be to bottom of curb. For curb & gutter, excavation shall be extended to 16" below top of curb.
6. For sidewalk less than 5' from back of curb, approach shall extend thru the sidewalk.
7. Concrete shall have min. compression strength of 3000 PSI after 28 days.
8. A curing compound is required. White reflective sheeting shall be used in case of rain.
9. The surface finish shall be by cross brooming.

CITY OF WEST LINN — RESIDENTIAL DRIVEWAY DETAILS
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. DW - 251

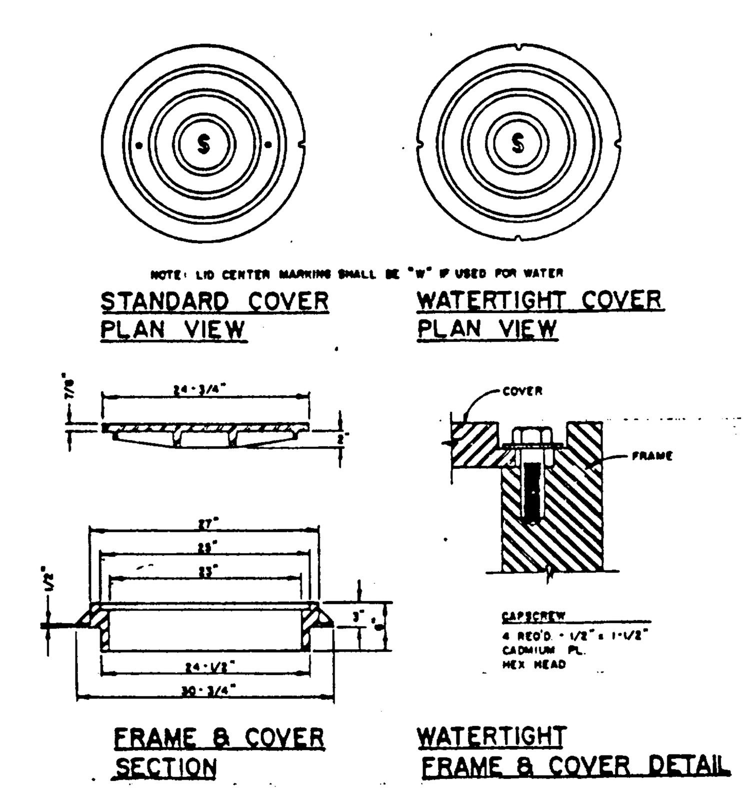


1. CONCRETE SHALL HAVE A MINIMUM BREAKING STRENGTH OF 3000 PSI AFTER 28 DAYS, 6 SACK MIX.
2. CURB JOINT SHALL BE A TROWELED JOINT WITH A MIN. 1/2" RADIUS ALONG BACK OF CURB.
3. DRIVEWAY SHALL BE A MINIMUM 6" THICK.

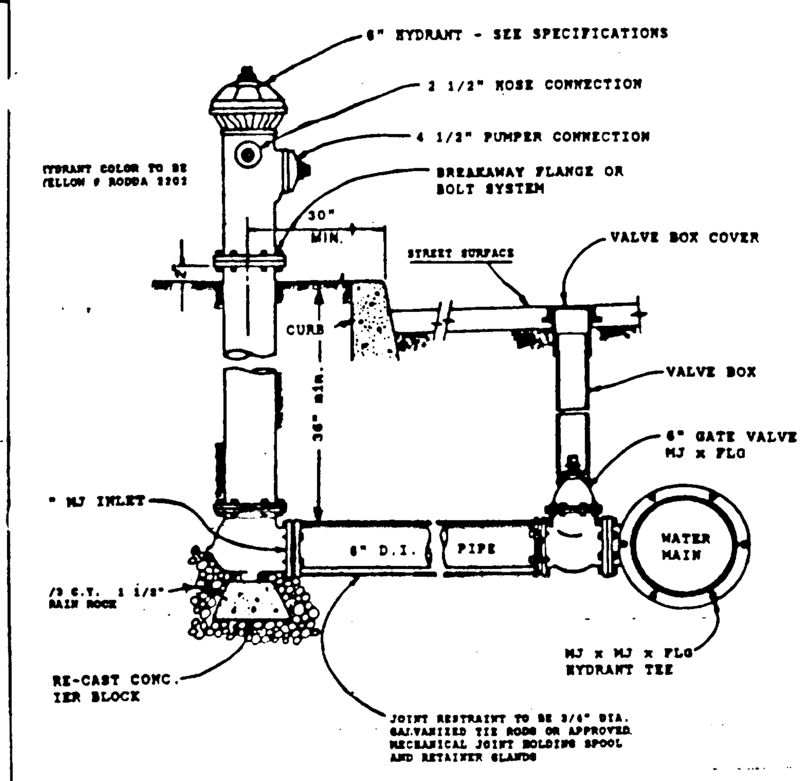
CITY OF WEST LINN — COMMERCIAL DRIVEWAY
DRAWN BY DDF DATE | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. DW - 260



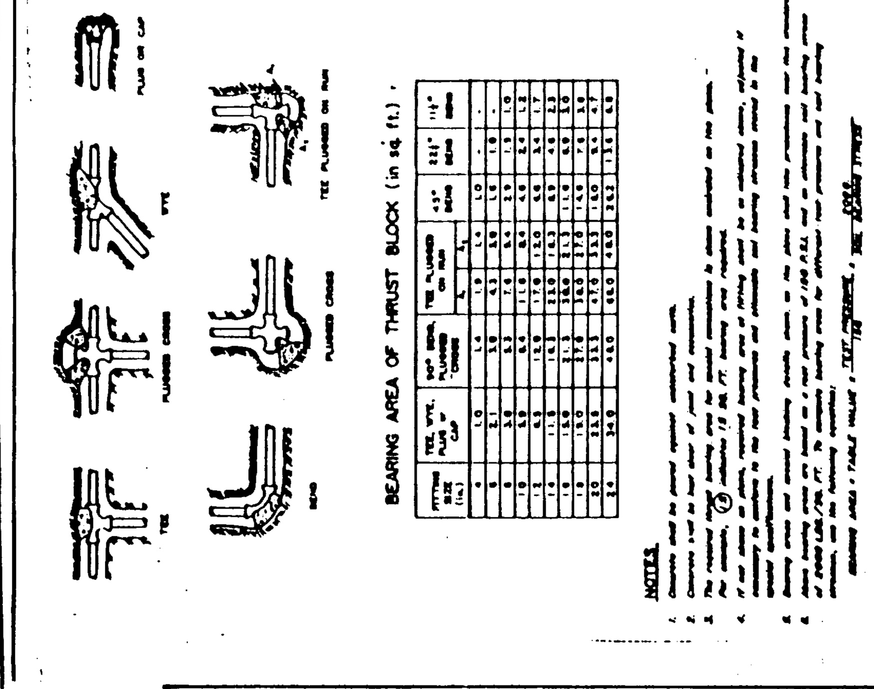
CITY OF WEST LINN — SHALLOW MANHOLE
DRAWN BY DDP DATE 5-20-87 | CHECKED BY DKK DATE 5-27-87 | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. MH - 210



CITY OF WEST LINN — MANHOLE FRAME & COVER
DRAWN BY DDP DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. MH - 212



CITY OF WEST LINN — FIRE HYDRANT
DRAWN BY DDF DATE | CHECKED BY DATE 5-27-87 | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. FH - 300



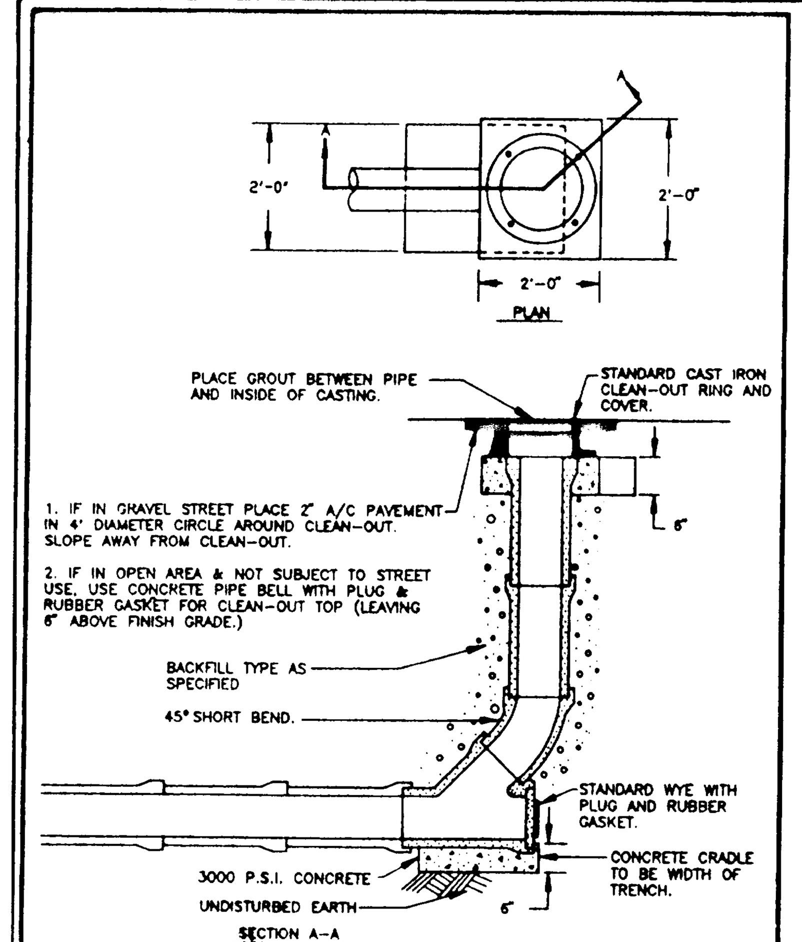
CITY OF WEST LINN — THRUST BLOCKING
DRAWN BY DDF DATE 5-20-87 | CHECKED BY DATE | APPROVED BY Earl Reed DATE 5-27-87 | DWG. NO. TB - 302

CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

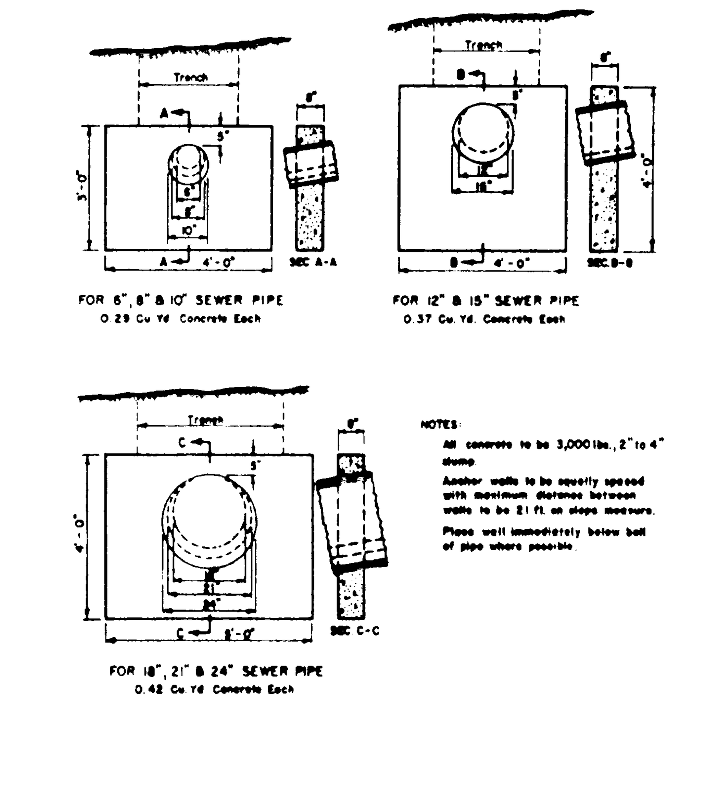
STANDARDS

PLAT - PEREGRINE PARK

DESIGNED	DRAFTED DAW	CHECKED	SHEET 8 OF 10
DATE 6/6/91	SCALE NOTED		



STANDARD CLEAN-OUT



NOTES:
All concrete to be 3,000 lbs., 2" to 4" slump.
Anchor walls to be equally spaced with maximum distance between walls to be 21 ft. on slope measure.
Place wall immediately below bell of pipe where possible.

TITLE OF STANDARD PLAN
SEWER PIPE ANCHOR WALLS

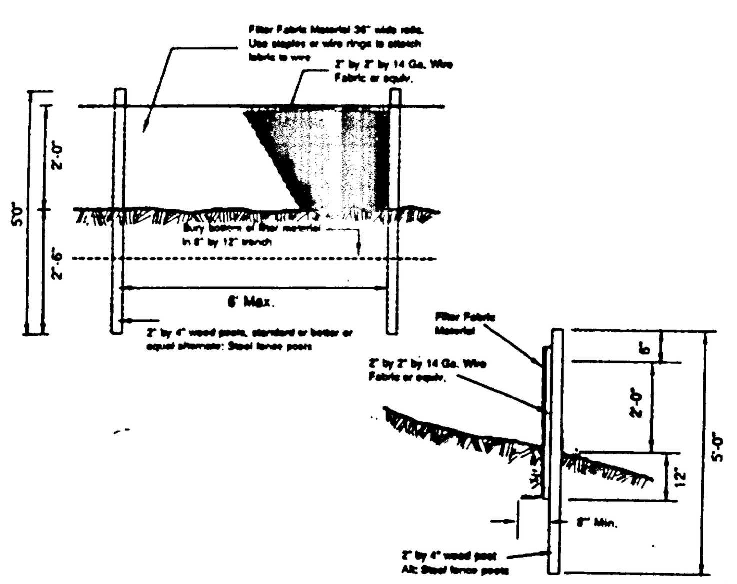
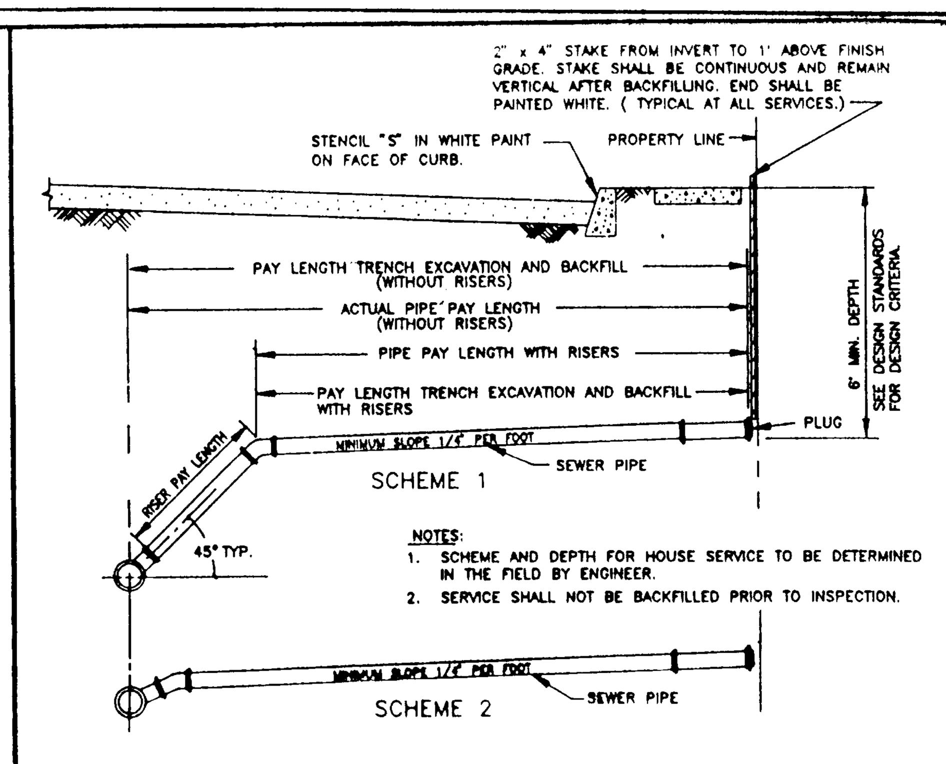


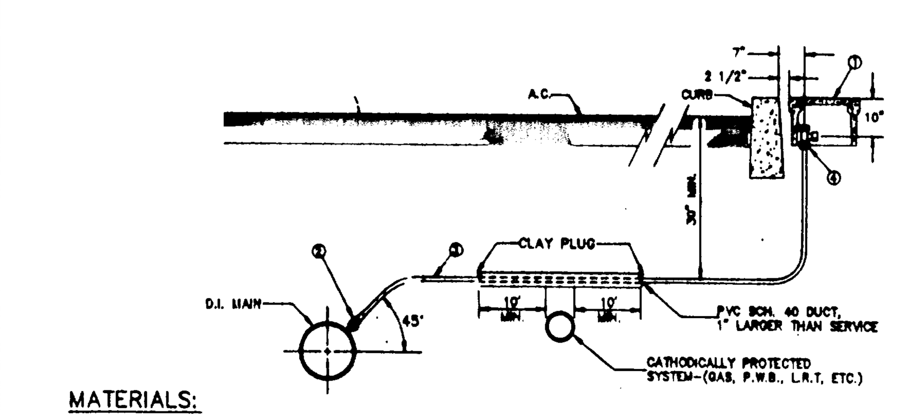
Figure 3-3
SEDIMENT FENCE

SERVICE BRANCH



NOTES:
1. SCHEME AND DEPTH FOR HOUSE SERVICE TO BE DETERMINED IN THE FIELD BY ENGINEER.
2. SERVICE SHALL NOT BE BACKFILLED PRIOR TO INSPECTION.

STANDARD 3/4" & 1" WATER SERVICE



MATERIALS:

1. BROOKS METER BOX, BODY NO. 36(3/4"), 37(1"), LID AND COVER NO. 36-S(3/4"), 37-S(1").
2. MUELLER CORP. STOP NO. H-15000 OR FORD F600. SET CORP. STOP WITH OPERATING NUT AT 3 OR 9 O'CLOCK.
3. 3/4" & 1" SOFT TEMPER, TYPE 'K' COPPER TUBING COMPLYING WITH ASTM B-88.
4. MUELLER ANGLE METER STOP NO. H-14255, FORD NO. KV23-332W (3/4") AND NO. KV23-444W (1").

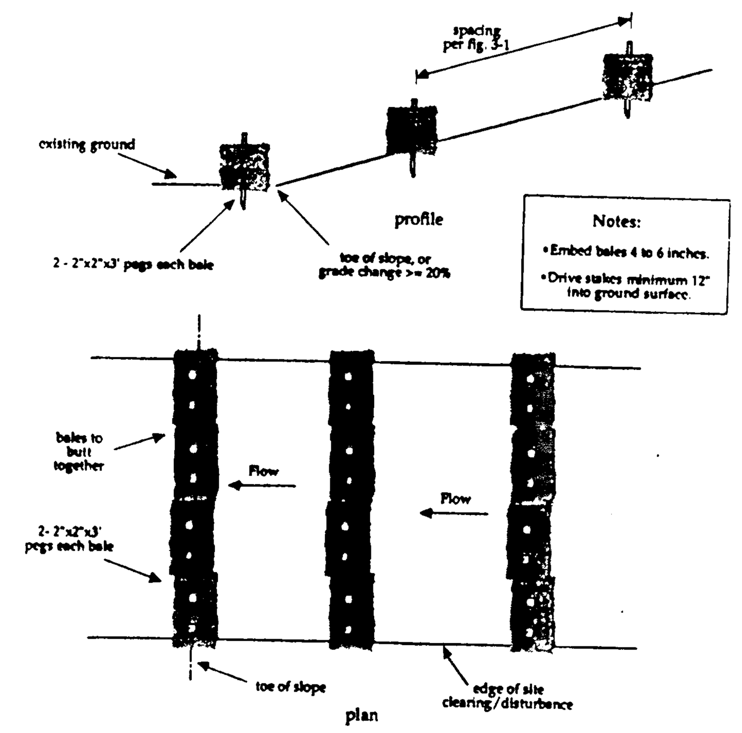
NOTES:

1. SUBSTITUTES FOR ANY MATERIALS SHOWN SHALL BE APPROVED BY THE CITY ENGINEER.
2. ALL PIPE AND STRUCTURE ZONES SHALL BE BACKFILLED USING 3/4" MINUS CRUSHED AGG. AND COMPACTED TO 95% MAX. DENS. AS DETERMINED BY AASHTO T-180.
3. WHEN AN ACTIVE CATHODIC PROTECTED SYSTEM IS ENCOUNTERED, SCH. 40 PVC SHALL BE INSTALLED AS SHOWN ABOVE WITH CLAY PLUG.
4. METER BOX SHALL BE CENTERED OVER THE COMPLETED METER ASSEMBLY.
5. WRAP METER BOX WITH TWO LAYERS OF KRAFT PAPER.
6. FOR VACANT RESIDENTIAL LOTS, LOCATE SINGLE 3/4" SERVICE 18" INSIDE LOT LINE.

FIGURE 3-1: EROSION CONTROL MATRIX

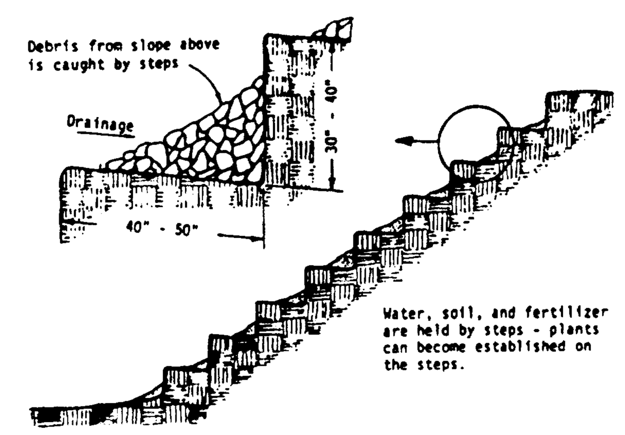
SITE SITUATION / EROSION MEASURES	Gravel Construction Entrance	Sediment Fence or Barrier at Toe of Disturbed Area	Sediment Fence or Barrier At Slope Break >= 20%	Sediment Fence or Barrier Spacing Install on Contour	Seed&Mulch: 1000 lb/AC w/ Binding Agent	Seed & Mulch 2000 lb/AC w/Dry Binding Agent or Netting & Anchors	Erosion Blankets w/Anchors	6 mil. Plastic Sheet Cover w/Anchors	Sediment Trap drain area < 3 AC	Sediment Pond drain. area < 10 AC	Groove or Stair-step Slope +Seed&Mulch 1000 lb/AC	Re-Establish Vegetation or Landscaping [illegible]	Sediment Barrier Around Catch-Basins	Sediment Barrier in Ditch
SINGLE FAMILY/DUPLEX RES.														
50% + of site, slope<20%	x	x			•			0	NA	NA		x		
50% + of site, slope>20%	x	x				•		0	NA	NA	0	x		
<6000 sq. ft. DISTURBED AREA	x	x	•		•		0	0	NA	NA		x		
OTHER DISTURBED SITES	x	x												
slope <6%	x	x		x 700'	x		0	0	0	0		x		
<8%	x	x		x 450'	NA	•	0	0	0	0		x		
<10%	x	x		x 300'	NA	•	0	0	0	0		x		
<12%	x	x		x 200'	NA	•	0	0	0	0		x		
<15%	x	x		x 150'	NA	•	0	0	0	0		x		
<20%	x	x		x 100'	NA	•	0	0	0	0		x		
<30%	x	x	x	x 50'	NA	•	0	0	0	0		x		
<50%	x	x	x	x 25'	NA	•	0	0	0	0	0	x		
>= 50%	x	x	x	x 25'	NA		0	•	NA	NA	0	x		
OTHER														
spoils stock piles		x						•						
utilities construction														
catch basin drainage													x	
direct ditch drainage														x

KEY: x Base Measures Year-around Construction; • Oct. 1 to Mar. 31st Measures, Supplemental to x; 0 Option/Alternate to •; NA Not Allowed

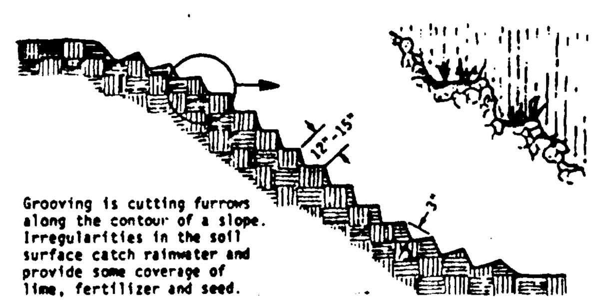


Straw Bale Sediment Barriers Along Slopes

Figure 3-4 A
STRAW BALE SEDIMENT BARRIER



STAIR STEPPING CUT SLOPES



GROOVING SLOPES

Figure 3-5
STAIR STEPPING AND GROOVING SLOPES

EROSION CONTROL PLAN -- STANDARD NOTES

This plan conforms to the 1989 "Erosion Control Plans Technical Guidance Handbook" as issued by the City of Portland and Washington County.

General Notes

1. Approval of this erosion/sedimentation control (ESC) plan does not constitute an approval of permanent road or drainage design (e.g. size and location of roads, pipes restrictors, channels, retention facilities, utilities, etc.)
2. The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the contractor until all construction is complete and approved and vegetation/landscaping is established.
3. The ESC facilities shown on this plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to insure that sediment laden water does not enter the drainage system or violate applicable water standards.
4. The ESC facilities shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these ESC facilities shall be upgraded as needed for unexpected storm events and to ensure that sediment-laden water does not leave the site.
5. The ESC facilities shall be inspected daily by the contractor and maintained as necessary to ensure their continued functioning.
6. The ESC facilities shall be inspected and maintained a minimum of once a month or within the 48 hours following a storm event
7. At no time shall more than one foot of sediment be allowed to accumulate within a trapped catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.
8. Stabilized construction entrances shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to insure that all paved areas are kept clean for the duration of the project.
9. Landscape areas shall be seeded or mulched according to the "Erosion Control Handbook" until landscape materials and plants are installed and/or planted.

Notes for Sediment Fences:

1. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post. with a minimum 6-inch overlap, and both ends securely fastened to the post.
2. The filter fabric fence shall be installed to follow the contours where feasible. The fence posts shall be spaced an maximum of 6 feet apart and driven securely into the ground a minimum of 30 inches.
3. A trench shall be excavated, roughly 8 inches wide by 12 inches deep, upslope and adjacent to the wood post to allow the filter fabric to be buried.
4. When standard strength filter fabric is used, a wire support fence shall be fastened securely to the upslope side of posts using heavy-duty wire staples at least 1 inch long, tie wire or hog rings. The wire shall extend into the trench a minimum of 4 inches and shall not extend more than 36 inches above the original ground surface.
5. The standard strength filter fabric shall be stapled or wired to the fence, and 20 inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
6. When extra-strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of the above standard note for standard strength filter fabric applying.
7. Sediment fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.
8. Sediment fences shall be inspected by contractor immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.

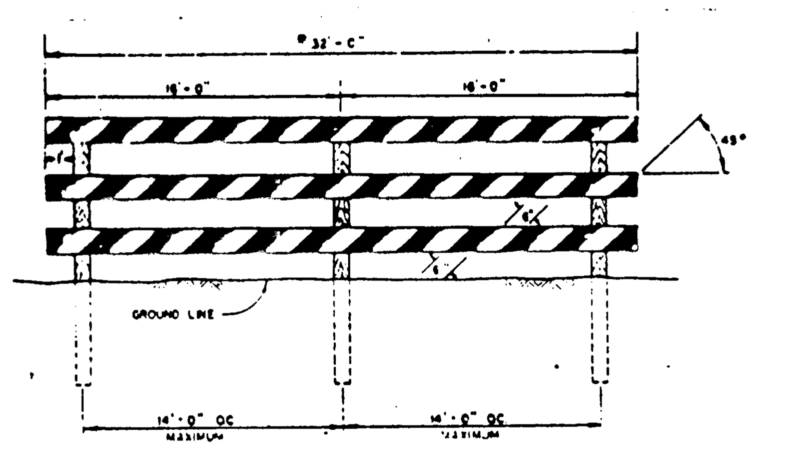
LEGEND

EXISTING	PROPOSED
FIRE HYDRANT	FIRE HYDRANT
GATE VALVE	GATE VALVE
BUTTERFLY VALVE W/Oper.	BUTTERFLY VALVE W/Oper.
WATER METER	WATER METER
6"C.I. WATER MAIN	WATER MAIN
THRUST BLOCK	THRUST BLOCK
MJ PLUG ON TEE	STRADDLE BLOCK
	BLOW-OFF

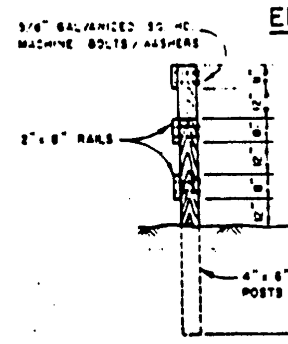
	JOINTS and FITTINGS
C UNDERGROUND TV CABLE	FLANGE JOINT (FLG)
P UNDERGROUND POWER	MECHANICAL JOINT
T UNDERGROUND TELEPHONE	BELL END OF PIPE
2"G GAS MAIN W/VALVE	FLANGED TEE
POWER POLE W/GUY	45 DEGREE BEND, MJ
CULVERT	ADAPTER, FLG x MJ
MANHOLE	REDUCER, FLG
8"SA SANITARY SEWER	MJ PLUG ON TEE
18"ST STORM DRAIN	MJ CAP
SURVEY MONUMENT	BLIND FLANGE ON TEE
DITCH OR STREAM	SLEEVE OR COUPLING

SCALE NTS

WATER PROJECT SYMBOLS



ELEVATION



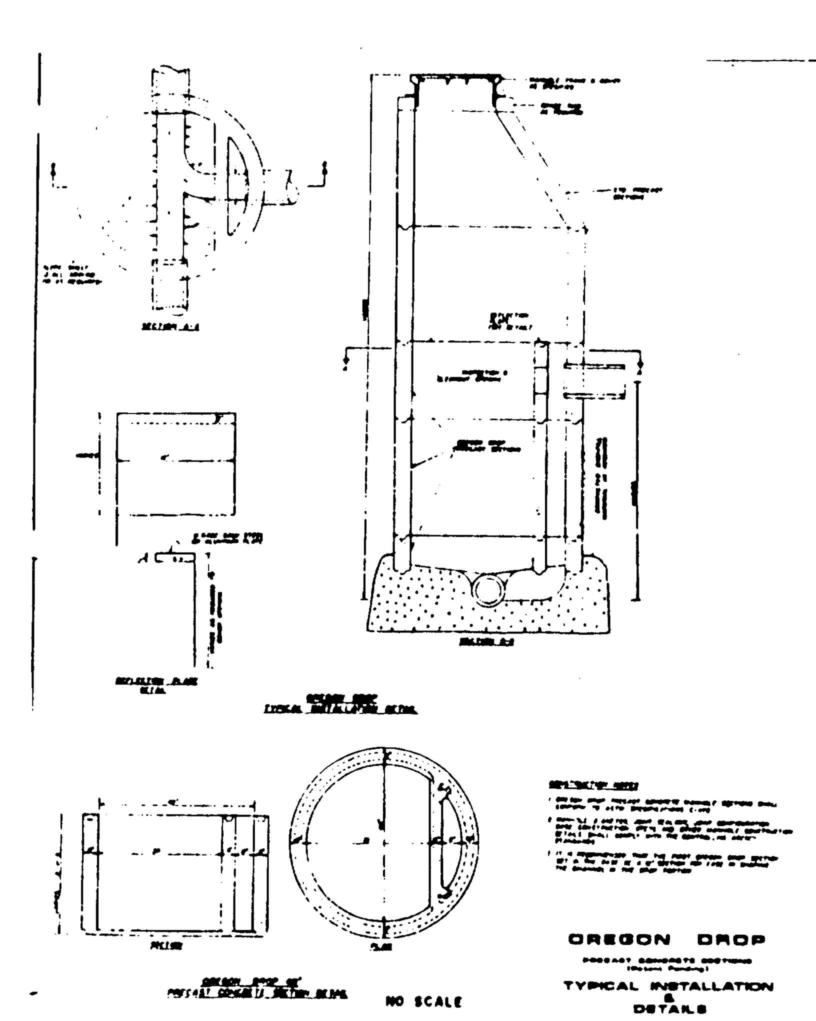
END VIEW

NOTES:
1. RAILS TO BE PAINTED BLACK WITH WHITE STRIPES THE WHITE STRIPES SHALL BE REFLECTORIZED
* FOR WIDER APPLICATIONS, MULTIPLE SECTIONS AS SHOWN SHALL BE USED.
2. SEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE OREGON SUPPLEMENT.
3F-1 BARRICADES
6C-8 BARRICADE DESIGN
6C-9 BARRICADE APPLICATION
3. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT STATE OF OREGON STANDARD SPECIFICATIONS FOR HWY. CONSTRUCTION.

CITY OF WEST LINN	STREET BARRICADE -TYPE III
DRAWN BY [illegible] DATE 5-20-87; CHECKED BY [illegible] DATE 5-[illegible]; APPROVED BY [illegible] DATE 5-27-87	DWG. NO. 88 - 176

DI LORETO & ASSOCIATES
ENGINEERS PLANNERS SURVEYORS

3736 S.E. 70th AVE.
PORTLAND, OREGON 97206
(503) 771-8475



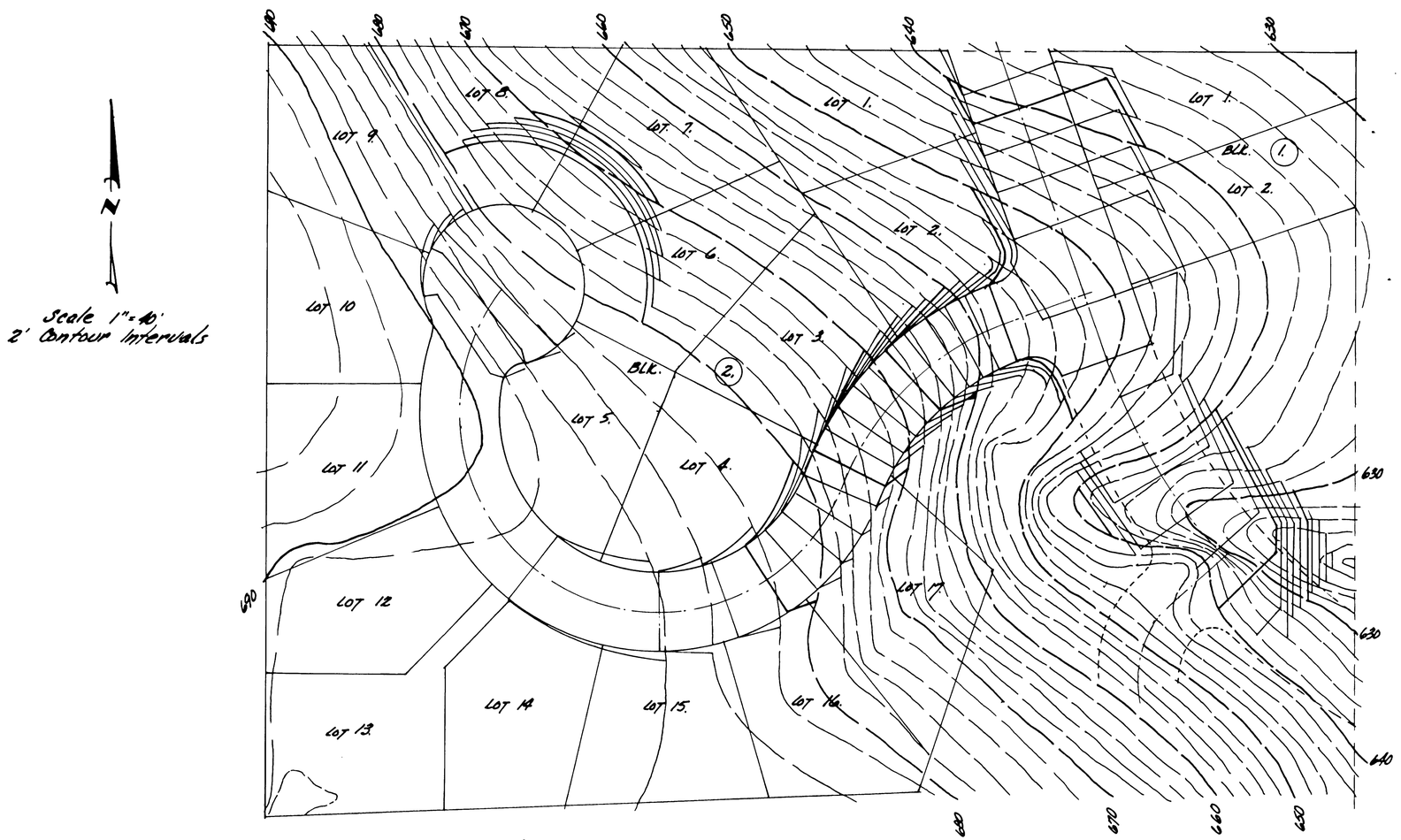
OREGON DROP
PRECAST CONCRETE SECTIONS
TYPICAL INSTALLATION & DETAILS
NO SCALE

CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

STANDARDS

PLAT - PEREGRINE PARK

DESIGNED	DRAFTED DAW	CHECKED	SHEET 9. of 10.
DATE 6/6/91	SCALE NOTED		



AS BUILT
NOV. 29, 1991

CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

GRADING PLAN

PLAT - PEREGRINE PARK

DESIGNED	DRAFTED DKW	CHECKED	SHEET 10. OF 10.
DATE 6/6/91	SCALE NOTED		