PARKER ROAD SANITARY SEWER

STATION 8+00 TO STATION 52+00

CITY OF WEST LINN

4300 LF SANITARY SEWER

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "CITY OF WEST LINN STREET/UTILITY DESIGN AND CONSTRUCTION STANDARDS" DATED JULY 14, 1988 AND THE CURRENT EDITION OF THE APWA STANDARDS.
2. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO CITY OF WEST LINN ENGINEERING PRIOR TO BEGINNING CONSTRUCTION.
3. PRIOR TO ANY CONSTRUCTION, LOCATIONS OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR. WHEN ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. ORGANIC AND NON-DESIRABLE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION AREA AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL LEAVE ALL AREAS OF THE PROJECT FREE OF DEBRIS AND UNUSED CONSTRUCTION MATERIALS.
   a. ALL DISTURBED AREAS ARE TO BE SEEDED PER EROSION CONTROL NOTES ON SHEET 5 TO PREVENT EROSION.
6. ANY CHANGES FROM THE APPROVED PLANS SHALL BE REQUESTED BY THE CONTRACTOR IN WRITING. THE DESIGN ENGINEER AND THE CITY OF WEST LINN'S PROJECT ENGINEER MUST APPROVE THE CHANGE PRIOR TO ITS IMPLEMENTATION. COMPLEXITY OF MODIFICATION WILL DETERMINE IF REVISED PLANS ARE REQUIRED.
7. IN CASE OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE DEEMED TO GOVERN.
8. THE OWNER WILL SUPPLY ONE SET OF STAKES FOR EACH CONSTRUCTION OPERATION AS DESCRIBED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE OR REPRESENTATIVES WHO ARE AUTHORIZED TO REQUEST STAKES. STAKING REQUESTS FROM AUTHORIZED REPRESENTATIVE SHALL BE MADE TO DAVE LIDEN AT OTAK (699-2401) AT LEAST 48 HOURS IN ADVANCE OF THE NEED FOR SAID STAKES. ONLY REQUESTS FROM AUTHORIZED REPRESENTATIVES WILL BE HONORED. ANY RESTAKING SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
9. THE FOLLOWING CITY OF WEST LINN DETAILS SHALL BE USED AT LOCATIONS AS SPECIFIED IN THE PLANS, SEE SHEET 5 FOR DETAILS

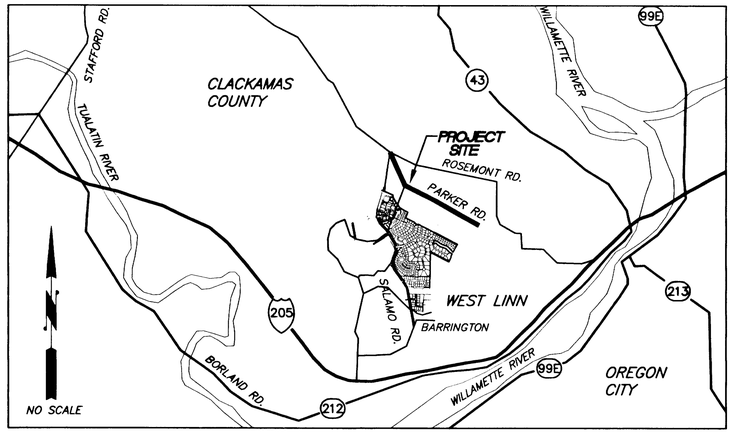
   STANDARD MANHOLE – DWG. NO. MH-209
   MANHOLE FRAME & COVER – DWG. NO. MH-212
   PIPE BEDDING & BACKFILL DETAILS – DWG. NO. PB-280 (REVISED)

SANITARY SEWERS:

10. MANHOLE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WEST LINN'S STANDARD PLANS. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF MANHOLE DESIGNS TO ENGINEER AND CITY OF WEST LINN ENGINEERING IN ORDER TO FACILITATE FUTURE ADJUSTMENT OF MANHOLE RIMS.
11. TRENCH BACKFILL IN RIGHT-OF-WAY AREAS WILL BE 3/4-INCH TO 0-INCH CRUSHED ROCK COMPACTED TO 95 PERCENT RELATIVE MAXIMUM DENSITY, AASHTO T-99. UNLESS NOTED OTHERWISE.
12. ALL SANITARY SEWER PIPE SHALL BE PVC IN ACCORDANCE WITH ASTM SPECIFICATIONS D-3033 AND D-3034.
13. PRIOR TO ACCEPTANCE, ALL PUBLIC SANITARY SEWERS SHALL BE AIR TESTED, TV TESTED AND TESTED FOR DEFLECTION IN ACCORDANCE WITH THE CITY OF WEST LINN'S REQUIREMENTS. MANHOLES SHALL ALSO BE VACUUMED TESTED.
14. MANHOLE RIM ELEVATIONS SHOWN ARE APPROXIMATE. FINAL ELEVATIONS SHALL BE SET TO MATCH CONSTRUCTED FINISH GRADE.

STORM SEWERS:

15. STORM CULVERTS THAT ARE DAMAGED BY SANITARY SEWER CONSTRUCTION OR ARE NOTED TO BE REPLACED SHALL BE REPLACED WITH THE SAME SIZE CULVERT OR WITH A MINIMUM 12" ø CULVERT, WHICHEVER IS GREATER.



VICINITY MAP

BENCH MARK

BENCH MARK: CITY OF WEST LINN BENCH MARK "B" IS 93.5' EAST AND 17.0' SOUTH OF EDGE OF PAVEMENT FROM 5-WAY INTERSECTION OF ROSEMONT/SANTA ANA. 3" CAP ON PIPE WITH YELLOW WATER WORKS LID. ELEV.= 667.22.

OWNER

Name: WEST LINN-WILSONVILLE SCHOOL DISTRICT 3J
Contact: Brad Raymond (Heery International)
Phone: (503) 638-9869
Fax: (503) 638-8709

CIVIL ENGINEER/SURVEYOR

Name: Otak Incorporated
Contact: Scott Shumaker
Phone: (503) 635-3618
Fax: (503) 635-5395

CONTRACTOR

Name: Robinson Construction Co.
Contact: Chuck Larsen
Phone: (503) 645-8531
Fax: (503) 645-5357

SHEET INDEX

1. COVER SHEET
2. PLAN AND PROFILE: STREET STA. 8+00 TO STREET STA. 23+00
3. PLAN AND PROFILE: STREET STA. 23+00 TO STREET STA. 38+00
4. PLAN AND PROFILE: STREET STA. 38+00 TO STREET STA. 52+00
5. UTILITY/EROSION CONTROL DETAILS AND NOTES

LEGEND

EXISTING	PROPOSED
FIRE HYDRANT (EFH)	SANITARY SEWER MANHOLE
REDUCER (ERED)	SAWCUT EXISTING PAVEMENT
BLOWOFF (B.O.) ASSEMBLY	SS — SANITARY SEWER
PRESSURE REDUCING VALVE	
AIR RELEASE VALVE	
CHECK VALVE	
CLEANOUT	
MANHOLE	
GAS VALVE	
GATE VALVE	
BUTTERFLY VALVE	
WATER METER	
IRRIGATION CONTROL VALVE	
TRAFFIC SIGNAL CONTROL	
SIGN	
INLET	
VAULT	
WA — WATER LINE	
STORM CULVERT	
SA — SANITARY SEWER	
RETAINING WALL	
FENCE	
DITCH	
PROPERTY AND R/W LINE	
UTILITY EASEMENT	
CENTERLINE	
EDGE OF PAVEMENT	
CURB	
DECIDUOUS TREE	
EVERGREEN TREE	
BENCH MARK	
LUMINAIRE	
TELEPHONE STANDPIPE	
POWER STANDPIPE	
POWER POLE/TELEPHONE POLE	
GUY POLE	
G — GAS LINE	
T — TELEPHONE LINE	
TV — T.V. CABLE	
P — POWER LINE	

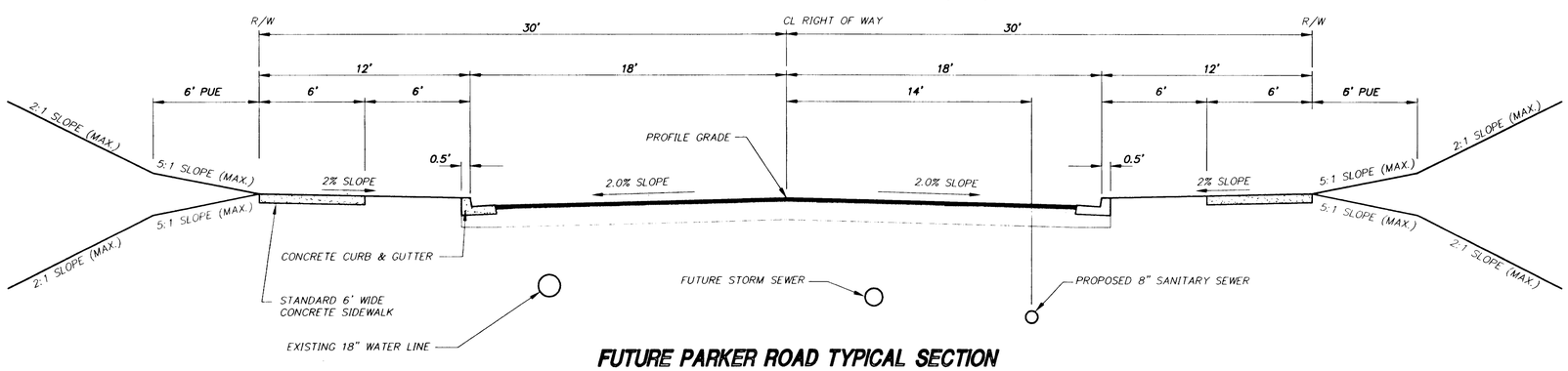
"AS-BUILT"

DATE 8-10-99 BY S. SHUMAKER

These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.

Signature

Date 8-10-99



FUTURE PARKER ROAD TYPICAL SECTION

STA. 8+00 TO 35+70
SCALE 1" = 4'

REPAIR EMERGENCIES	
NORTHWEST NATURAL GAS	226-4211, EXT. 4413
GENERAL TELEPHONE	629-2121
CITY OF WEST LINN	
WATER OPERATIONS	656-3535
SANITARY SEWER OPERATIONS	656-3535

ATTENTION EXCAVATORS: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of these rules from the Center by calling (503) 232-1987. If you have any questions about the rules, you may contact the call Center. YOU MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL (503) 246-6699.

3/11/99
Date
G.S.
Designed
G.S./B.W
Drawn
SAS 3/11/99
Checked By Date

REGISTERED PROFESSIONAL ENGINEER 32447 OREGON SEPTEMBER 28, 1982 W. FARES KEKHIA
EXPIRES JUNE 30, 2001

WEST LINN MIDDLE SCHOOL
WEST LINN-WILSONVILLE SCHOOL DISTRICT 3J
PO BOX 35, WEST LINN, OREGON 97068
(22210 SW STAFFORD ROAD, TUALATIN, OREGON 97062)
Phone: 638-9869
Fax: 638-8709

AS-BUILT PLAN SET AUGUST, 1999

PARKER ROAD SANITARY SEWER
CITY OF WEST LINN, OREGON
COVER SHEET

otak Incorporated
17355 SW Boones Ferry Rd.
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FAX: (503) 635-5395

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Project No.
D604SS01
File No.
1
Sheet No.

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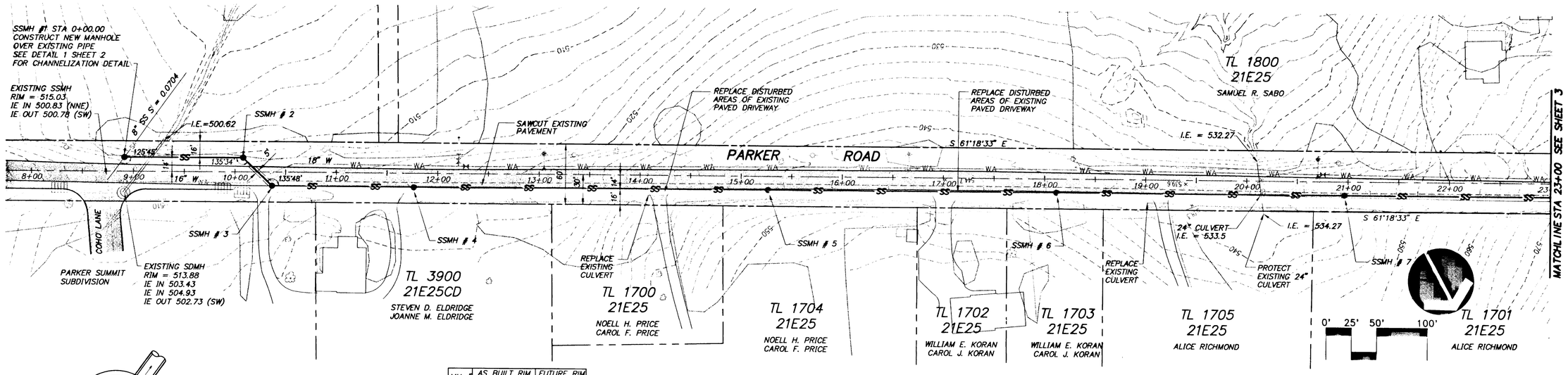
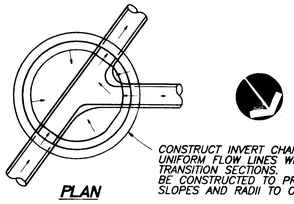


PLAN



PLAN

SSMH #1 CHANNELIZATION DETAIL (1/2)

SCALE: NTS

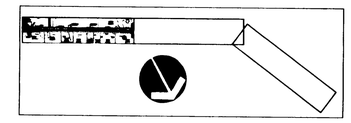
MH #	AS BUILT RIM ELEVATION	FUTURE RIM ELEVATION
1	514.74	515.96
2	512.06	512.97
3	512.82	512.78
4	515.53	514.91
5	538.48	537.74
6	541.72	540.50
7	544.12	544.95
8	566.60	565.43
9	581.88	580.58
10	585.43	585.50
11	589.35	589.03

MANHOLE DATA TABLE (MH'S 1-11) (2/2)

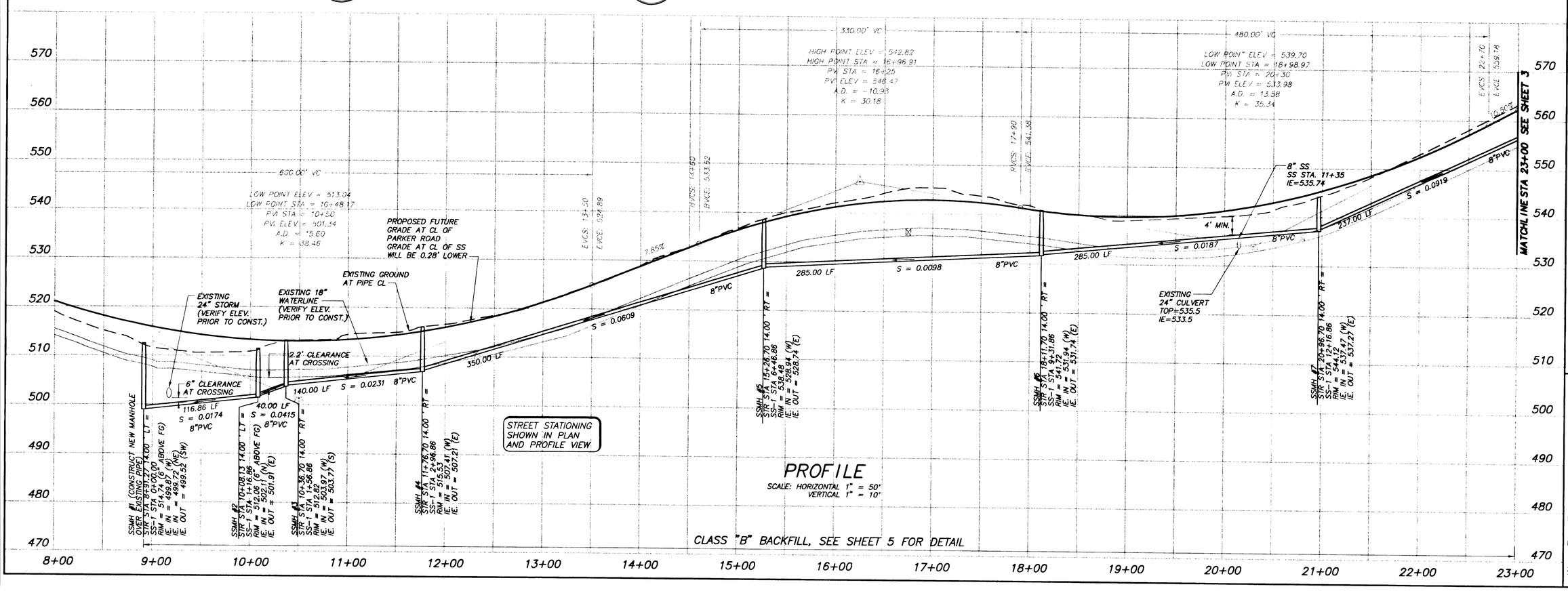
SCALE: NTS

ALL DISTURBED AREAS ARE TO BE HYDROSEEDED FOLLOWING CONSTRUCTION, PER THE REQUIREMENTS DETAILED ON SHEET 5. BIOBAGS ARE TO BE PLACED DOWNSTREAM AT 250' INTERVALS WITHIN THE DITCH AS CONSTRUCTION PROCEEDS, PER THE DETAIL ON SHEET 5. THESE MEASURES ARE TO BE MAINTAINED AS DETAILED ON SHEET 5 OF THIS PERMIT SET.

"AS-BUILT"
DATE 8-10-99 BY



KEY MAP



PROFILE

SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

3/11/99
Date
G.S.
Designed
G.S./S.A.S./B.W.
Drawn
SAS 3/11/99
Checked By Date

REGISTERED PROFESSIONAL ENGINEER 17447 OREGON SEPTEMBER 28, 1984 W. FARES KERKHA
EXPIRES JUNE 30, 2001

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AS-BUILT PLAN SET AUGUST, 1999

PARKER ROAD SANITARY SEWER

CITY OF WEST LINN, OREGON

SANITARY SEWER PLAN AND PROFILE
STA 8+00.00 TO STA 23+00.00

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Sheet No.

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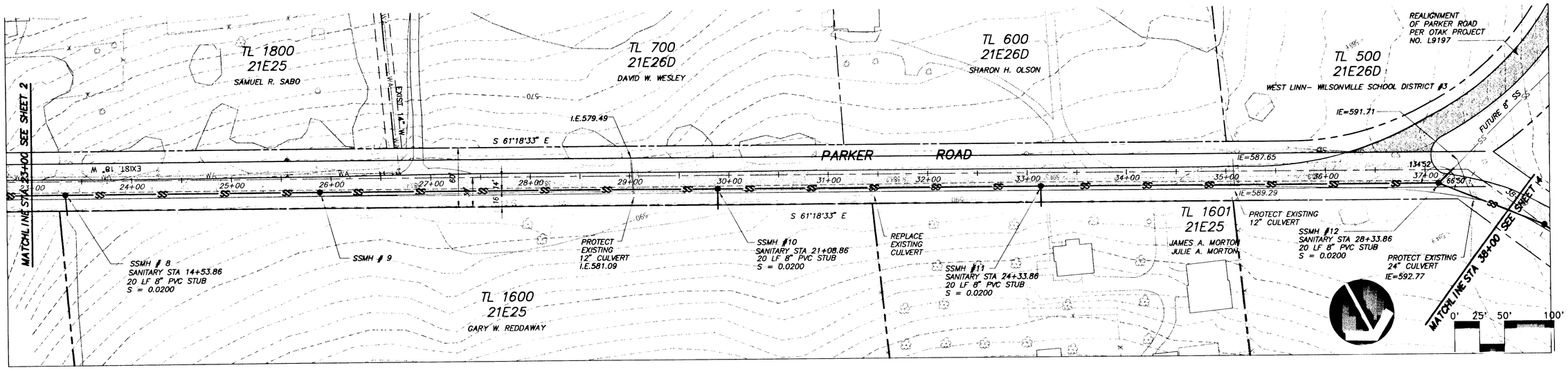

PLAN

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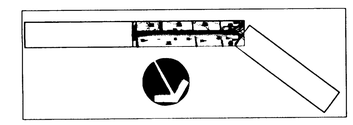
"AS-BUILT"
DATE 8-10-99 BY



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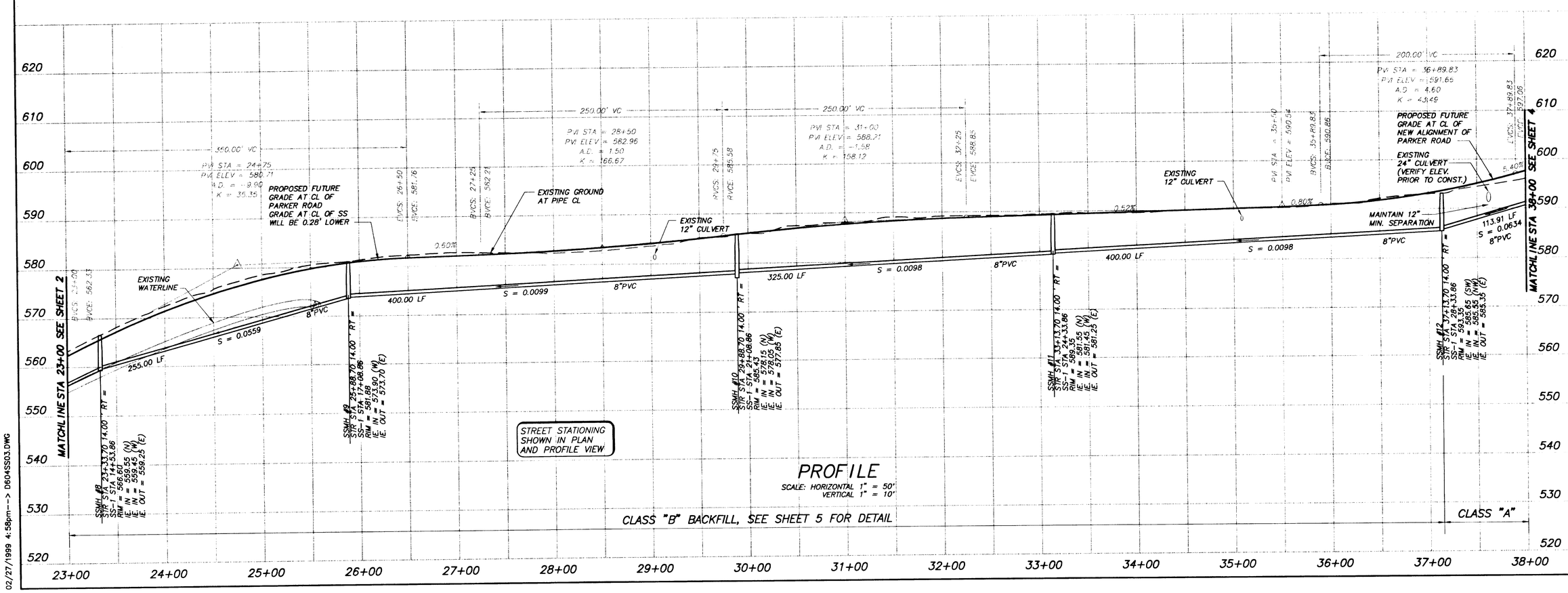

PROFILE
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

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SAS 3/11/99
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REGISTERED PROFESSIONAL ENGINEER 17447 OREGON SEPTEMBER 28, 1984 W. FARES KERHIA
EXPIRES JUNE 30, 2001

WEST LINN MIDDLE SCHOOL

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3J
5135 SW MEADOWS, WEST LINN, OREGON 97068
22210 SW STAFFORD ROAD, TUALATIN, OREGON 97062)
Phone: 638-9869
Fax: 638-8709

AS-BUILT PLAN SET AUGUST, 1999

PARKER ROAD SANITARY SEWER

CITY OF WEST LINN, OREGON

SANITARY SEWER PLAN AND PROFILE
STA 23+00.00 TO STA 38+00.00

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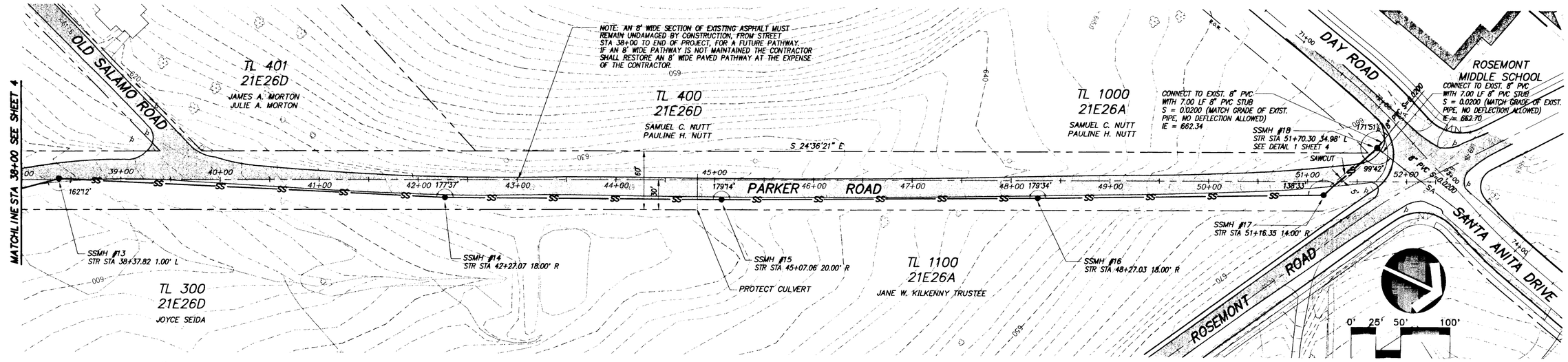
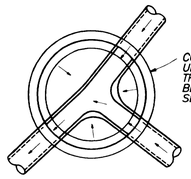


PLAN



CONSTRUCT INVERT CHANNELS TO UNIFORM FLOW LINES WITH GRADUAL TRANSITION SECTIONS. CHANNELS SHALL BE CONSTRUCTED TO PROVIDE SMOOTH SLOPES AND RADII TO OUTLET PIPE.

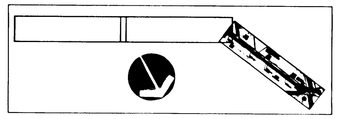
PLAN

SSMH #18 CHANNELIZATION DETAIL 1/4

SCALE: NTS

ALL DISTURBED AREAS ARE TO BE HYDROSEEDED FOLLOWING CONSTRUCTION, PER THE REQUIREMENTS DETAILED ON SHEET 5. BIOBAGS ARE TO BE PLACED DOWNSTREAM AT 250' INTERVALS WITHIN THE DITCH AS CONSTRUCTION PROCEEDS, PER THE DETAIL ON SHEET 5. THESE MEASURES ARE TO BE MAINTAINED AS DETAILED ON SHEET 5 OF THIS PERMIT SET.

"AS-BUILT"
DATE 8-10-99 BY SS



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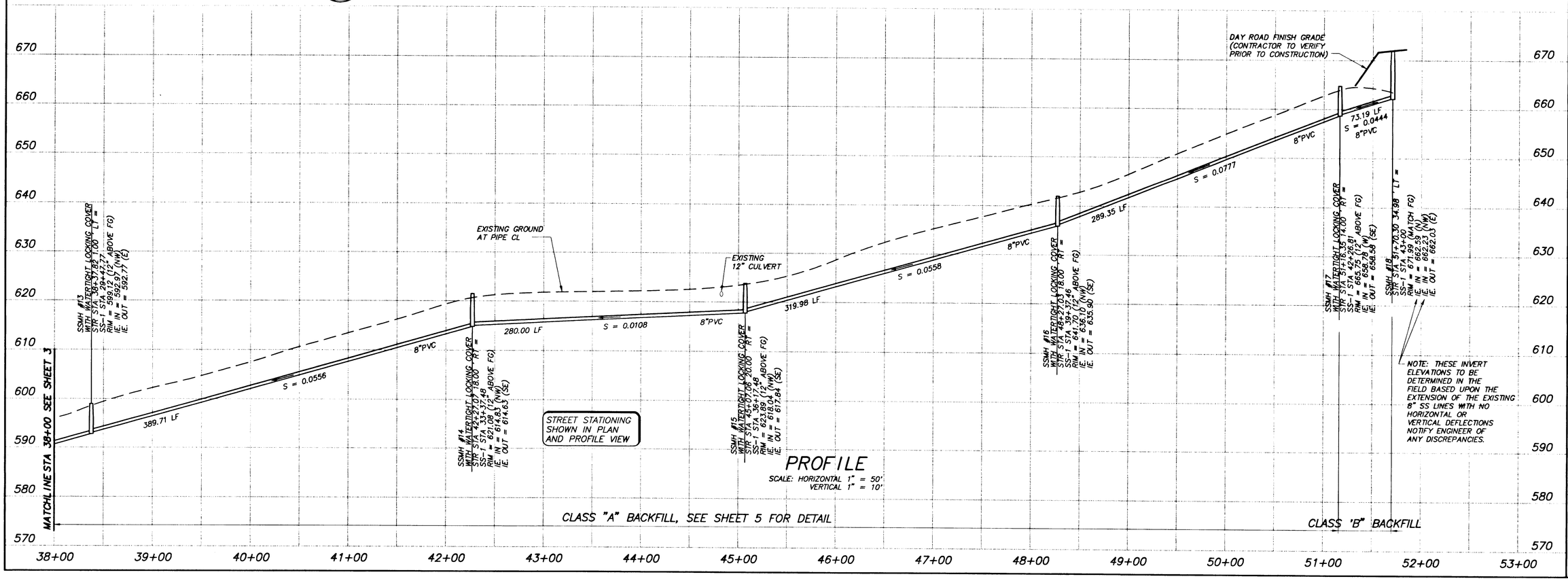

PROFILE

SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

3/11/99
Date
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G.S./B.W.
Drawn
SAS 3/11/99
Checked By Date

REGISTERED PROFESSIONAL ENGINEER 17447 OREGON SEPTEMBER 28, 1984 W. FARES KEKHIA
EXPIRES JUNE 30, 2001

WEST LINN MIDDLE SCHOOL

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3J
PO BOX 35, WEST LINN, OREGON 97068
22210 SW STAFFORD ROAD, TUALATIN, OREGON 97062)
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AS-BUILT PLAN SET AUGUST, 1999

PARKER ROAD SANITARY SEWER

CITY OF WEST LINN, OREGON

SANITARY SEWER PLAN AND PROFILE
STA 38+00.00 TO STA 52+00.00

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4
Sheet No.

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EROSION CONTROL GENERAL NOTES

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, DETENTION FACILITIES, UTILITIES, ETC.).

THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.

THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

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.

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.

THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.

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.

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.

EROSION CONTROL AND POLLUTION CONTROL MEASURE

EROSION CONTROL MEASURES FOR DISTURBED AREAS:

ALL DISTURBED SLOPES GREATER THAN 3:1 HAVE BEEN GRADED AND COMPACTED PRIOR TO OCTOBER 1ST SHALL BE HYDROSEEDED USING THE FOLLOWING SPECIFICATIONS:

SEEDING SHALL NOT BE DONE DURING WINDY WEATHER OR WHEN THE GROUND IS FROZEN, EXCESSIVELY WET OR OTHERWISE UNTILLABLE.

SEED MAY BE DOWN BY THE FOLLOWING METHOD:

HYDROSEEDED WHICH UTILIZED WATER AS THE CARRYING AGENT, AND MAINTAINS CONTINUOUS AGITATION THROUGH PADDLE BLADES. IT SHALL HAVE AN OPERATING CAPACITY SUFFICIENT TO AGITATE, SUSPEND AND MIX INTO A HOMOGENEOUS SLURRY OF THE SPECIFIED AMOUNT OF SEED AND WATER OR OTHER MATERIAL. DISTRIBUTION AND DISCHARGE LINES SHALL BE LARGE ENOUGH TO PREVENT STOPPAGE AND SHALL BE EQUIPPED WITH A SET OF HYDRAULIC DISCHARGE SPRAY NOZZLES WHICH WILL PROVIDE A UNIFORM DISTRIBUTION OF THE SLURRY.

GRASS SHALL BE SEEDED AT THE RATE OF NOT LESS THAN ONE HUNDRED THIRTY (130) POUNDS PER ACRE. SEED MIX SHALL INCLUDE:

STATE HIGHWAY ROADSIDE SEEDING MIX.

FERTILIZER SHALL BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE.

NITROGEN - 22%

PHOSPHORIC ACID - 16%

SOLUBLE POTASH - 8%

WOOD CELLULOSE FIBER SHALL BE APPLIED AT THE RATE OF ONE AND ONE (1-1/2) TONS PER ACRE.

THE EXACT TIME FOR SEEDING WILL BE DETERMINED BY ACTUAL WEATHER CONDITIONS. THE NORMAL SATISFACTORY PERIOD FOR SEEDING SHALL BE CONSIDERED BETWEEN MARCH 1 TO JUNE 1 AND SEPTEMBER 1 TO OCTOBER 1 UNLESS OTHERWISE AUTHORIZED BY THE OWNER EXCEPT THAT CONTRACTOR MAY PERFORM SEEDING OPERATIONS FROM JUNE 1 TO SEPTEMBER 1 PROVIDED THAT HE WATERS THE NEW GRASS TO THE SATISFACTION OF THE OWNER.
WHEN DELAYS IN OPERATIONS CARRY THE WORK BEYOND THE MOST FAVORABLE PLANTING SEASON, OR WHEN WEATHER CONDITIONS ARE SUCH THAT SATISFACTORY RESULTS ARE NOT LIKELY TO BE OBTAINED FOR ANY STAGE OF THE SEEDING OPERATIONS, THE CONTRACTOR WILL STOP THE WORK AND IT SHALL BE RESUMED ONLY WHEN THE DESIRED RESULTS ARE LIKELY TO BE OBTAINED. IF OPERATIONS EXTEND PAST OCTOBER 1 ALTERNATE HAY PLACEMENT AND SPRING SEEDING SHALL BE SUBSTITUTED.

THE CONTRACTOR SHALL PROTECT ALL SEEDED AREAS FROM EROSION UNTIL FINAL INSPECTION AND ACCEPTANCE HAS BEEN MADE. AREAS DAMAGED BY EROSION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

ALL DISTURBED AREAS WITH SLOPES LESS THAN 3:1 THAT HAVE BEEN GRADED AND COMPACTED SHALL BE SEEDED PRIOR TO OCTOBER 1, WITH THE SAME SEED AND FERTILIZER MIX AS USED IN HYDROSEEDING AND SPREAD EVENLY OVER THE SITE.

ALL DISTURBED AREAS NOT GRADED AND COMPACTED PRIOR TO OCTOBER 1, SHALL BE SEEDED WITH 200 LBS PER ACRE OF HIGHWAY MIX AND SPREAD WITH A HAY MULCH LAYER 1 1/2" TO 2" THICK.

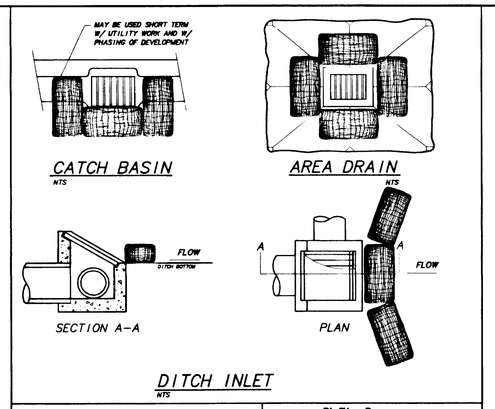
EROSION CONTROL PROTECTION SHALL BE CONSIDERED COMPLETE AND SUCCESSFUL WHEN A GRASS MAT HAS BEEN ESTABLISHED.

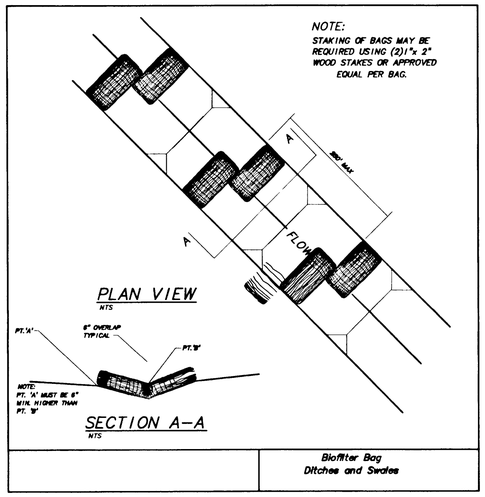
ADDITIONAL TEMPORARY EROSION CONTROL (DURING CONSTRUCTION)

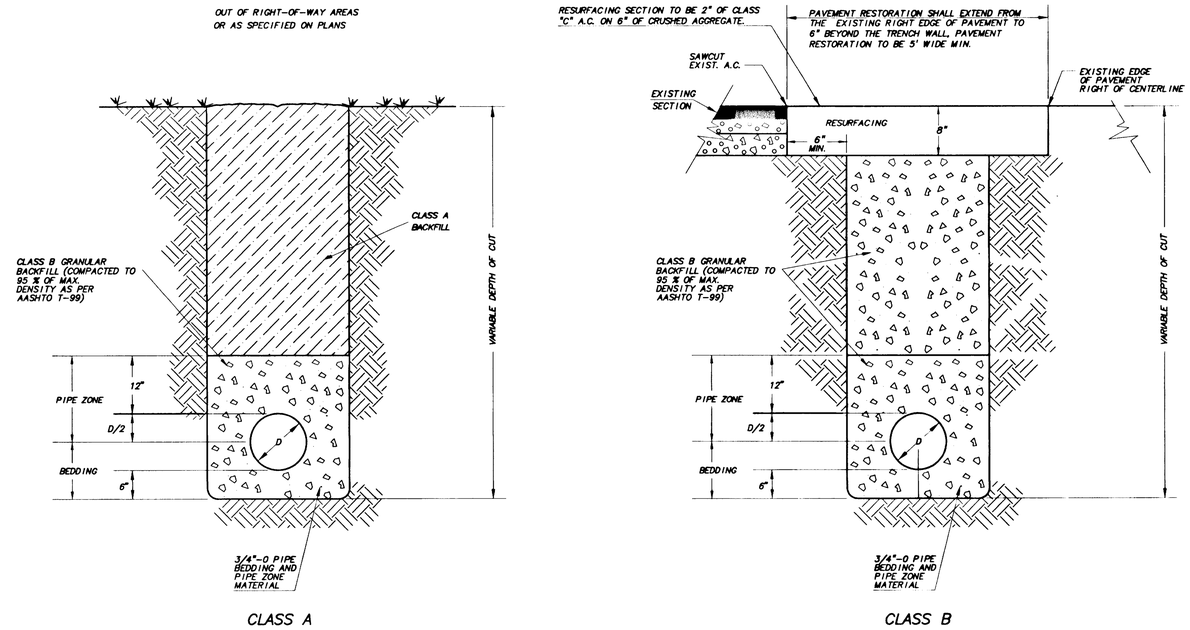
HAY BALES WILL BE PLACED AT THE TOP OF ALL MAJOR FILL SLOPES WHEN NECESSARY, TO PREVENT SILT FROM WASHING INTO EXISTING DRAINAGE WAYS. (SILTATION BARRIER).

TEMPORARY DITCHES WILL BE CONSTRUCTED AS NECESSARY TO ASSURE DRAINAGE IS CHANNELED TO THE FACILITIES BEING PROVIDED.

IF CONSTRUCTION TAKES PLACE DURING RAINY SEASON, HAY BALES AND "MIRAFI" 140 S FABRIC WILL BE REQUIRED AT ALL STORM DRAINAGE INLETS UNTIL ROCKING OF STRETCH IS COMPLETED AND DISTURBED SLOPES STABILIZED BY HYDROSEEDING.







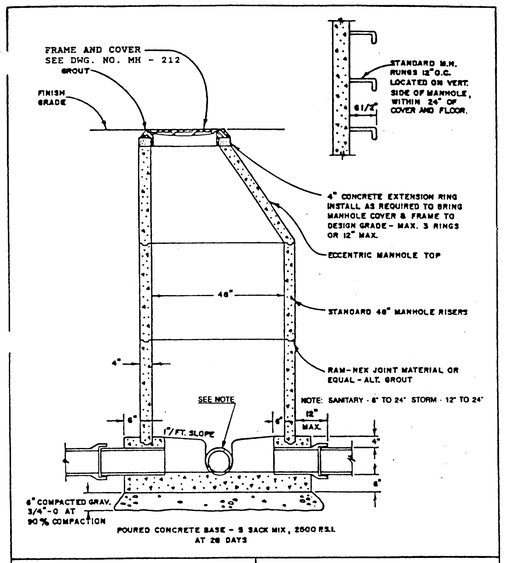
PAVEMENT RESTORATION / PIPE BEDDING AND BACKFILL DETAILS

EROSION CONTROL MATRIX

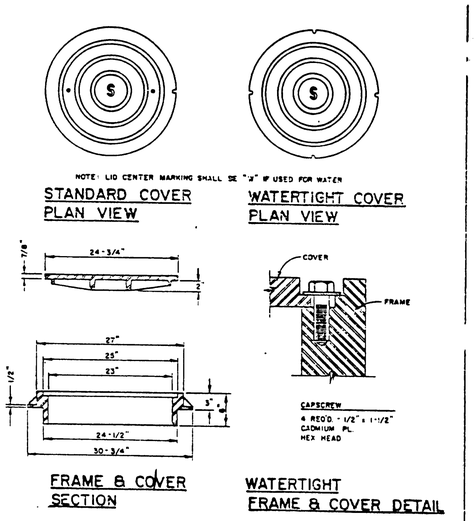
SITE SITUATION \ EROSION MEASURES	1 GRAVEL CONSTRUCTION ENTRANCE	2 SEDIMENT FENCE/BARRIER AT TOE OF DISTURBED AREA OR STOCKPILE	3 SIDEWALK SUBGRADE GRAVEL BARRIER (SITE SLOPES TO STREET AT <5% GRADE) ALTERNATE TO #2	4 UNDISTURBED BUFFER AT TOE OF DISTURBED AREAS (ALTERNATE TO #2) (SITE SLOPES <10%)	5 SEDIMENT FENCE OR BARRIER INSTALLED ON CONTOURS (SPACING)	6 TEMP. INTERCEPTOR DIKES/SWALES AROUND ACTIVE WORK AREAS	7 CHECK DAMS	8 STORM DRAIN INLET PROTECTION BARRIER	9 6-MIL PLASTIC SHEET COVER	10 2"- MIN. STRAW MULCH COVER	11 ESTABLISH GRASS	12 EROSION BLANKETS WITH ANCHORS	13 SEDIMENT TRAP OR POND	14 RE-ESTABLISH VEGETATION OR LANDSCAPE PLANTS AFTER REMOVAL OF EROSION CONTROL MEASURES
SINGLE FAMILY/ DUPLEX RESIDENTIAL														
SLOPE <2%	X		A(2)											X
SLOPE >2%	X	X		A(2)										X
STOCK PILES		X		X					•	O				
COMMERCIAL, SUBDIVISION LARGE SITE CONSTRUCTION														
SITE SLOPE <2%	X	X				#								X
SITE SLOPE <10%	X	X		A(2)	X300'	#			O	O	•	O	O	X
SITE SLOPE <15%	X	X			X150'	#			O	O	•	O	O	X
SITE SLOPE <20%	X	X			X100'	#			O	O	•	O	O	X
SITE SLOPE <30%	X	X			X 50'	#			O	O	•	O	O	X
SITE SLOPE <50%	X	X			X 25'	#			•	O	•	O		X
STOCK PILE SLOPE >50%	X	X			X 25'	#			•	O		O		
UTILITIES CONSTRUCTION														
CATCH BASIN DRAINAGE								X						X
DITCH DRAINAGE							X							X
STOCK PILES														
STOCK PILES									•	O				
DITCHES/SWALES (CONSTRUCTION/PROTECTION)		X					X			•	O	O		X

KEY: X = BASE MEASURE A = ALTERNATE TO BASE MEASURE INDICATED IN PARENTHESIS # = OPTIONAL BASE MEASURE CAN USE AS APPLICABLE

• = SUPPLEMENTAL WET WEATHER MEASURE (NOVEMBER 1-APRIL 30) (SEEDING PRIOR TO SEPTEMBER 1) O = ALTERNATE WET WEATHER MEASURE TO •



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



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

CITY OF WEST LINN

APPROVED

DATE: 3-17-99 BY: WDK

3/11/99
Date
G.S.
Designed
G.S./B.W
Drawn
SAS 3/11/99
Checked By Date

REGISTERED PROFESSIONAL ENGINEER 17447 OREGON SEPTEMBER 28, 1984 W. FARES KERHIA
EXPIRES JUNE 30, 2001

WEST LINN MIDDLE SCHOOL
WEST LINN-WILSONVILLE SCHOOL DISTRICT 3J
PO BOX 35, WEST LINN, OREGON 97068
(22210 SW STAFFORD ROAD, TUALATIN, OREGON 97062)
Phone: 638-9869
Fax: 638-8709

AS-BUILT PLAN SET AUGUST, 1999

PARKER ROAD SANITARY SEWER

CITY OF WEST LINN, OREGON

EROSION CONTROL NOTES AND DETAILS

otak Incorporated
17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
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FAX: (503) 635-5395

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