

XREF LIST
Ltscale: 1
Resolved
D625X230
D754X230
D933X001
D933X190
Unresolved
D633X230

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT "CITY OF WEST LINN STREET/UTILITY DESIGN AND CONSTRUCTION STANDARDS," (MAY 22, 2000) AND OREGON A.P.W.A. 1996 SPECIFICATIONS. WORKING HOURS: WEEKDAYS FROM 7AM TO 6PM AND WEEKENDS/HOLIDAYS 9AM TO 6PM.
- 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.
- ORGANIC AND NON-DESIRABLE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION AREA AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- ALL FILL (INSIDE OR OUTSIDE OF ROW) SHALL BE STRIPPED OF ORGANIC MATERIAL. FILL WILL BE PLACED IN 6-INCH LAYERS AND COMPACTED TO 95 PERCENT RELATIVE MAXIMUM DENSITY ACCORDING TO AASHTO T-180 STANDARDS. BASE ROCK IN THE STREET WILL BE COMPACTED TO THE SAME STANDARD. LANDSCAPE AREAS OUTSIDE OF FILL AREAS WILL BE COMPACTED TO 90 PERCENT. THE CONTRACTOR TO SCHEDULE A PROOF ROLL OF THE SUBGRADE WITH THE CITY INSPECTOR PRIOR TO PLACEMENT OF BASE ROCK AND A PROOF ROLL OF THE COMPACTED BASE ROCK WITH THE CITY INSPECTOR PRIOR TO PAVING. THE CONTRACTOR WILL PROVIDE DENSITY TESTING, ONE FOR EVERY 50 LINEAL FEET OF ROAD AND FOR EVERY 16-INCHES OF FILL PLACED. COMPACTION REPORTS FROM A REPUTABLE TESTING LAB WILL BE SUPPLIED TO THE ENGINEER AND THE CITY INSPECTOR ON A WEEKLY BASIS DURING CONSTRUCTION.
- CONTRACTOR SHALL LEAVE ALL AREAS OF THE PROJECT FREE OF DEBRIS AND UNUSED CONSTRUCTION MATERIALS.
 - AREAS TO BE LANDSCAPED SHALL BE SMOOTHED AND LEFT TO THE GRADES INDICATED ON THE GRADING PLAN, PLUS OR MINUS 0.1 FOOT.
 - ALL DISTURBED AREAS SHALL HAVE STRAW MULCH PLACED AND ARE TO BE SEEDED PER EROSION CONTROL NOTES ON SHEET 3 TO PREVENT EROSION.
- 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.
- DAMAGE TO EXISTING ASPHALT, CURBS, UTILITIES, TREES, ETC. BY THE CONTRACTOR SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
- CITY OF WEST LINN DETAILS SHALL BE USED AT LOCATIONS AS SPECIFIED IN THE PLANS, SEE DETAIL SHEETS.
- CONTRACTOR SHALL SUBMIT SCHEDULE DETAILING SEQUENCE OF CONSTRUCTION PRIOR TO THE PRECONSTRUCTION MEETING. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN DETAILING THE CLOSURE OF PARKER RD. AND THE DETOUR ROUTE IN CONFORMANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES TO OTAK, INC AND THE CITY OF WEST LINN ENGINEERING FOR APPROVAL PRIOR TO THE PRECONSTRUCTION MEETING. CITY MUST APPROVE TRAFFIC CONTROL PLAN AND CONTROLS MUST BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION. IF PARKER RD. CANNOT BE CLOSED, THE CONTRACTOR SHALL MAINTAIN EXISTING SPEED ZONE SIGNS DURING CONSTRUCTION. ALL EXISTING SPEED ZONE SIGNS SHALL BE RESET AFTER CONSTRUCTION.
- IN CASE OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE DEEMED TO GOVERN.
- 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 (503-699-2401) (FAX - 503-635-5395) AT LEAST 48 HOURS IN ADVANCE OF THE NEED FOR STAKING. SAID STAKES ONLY REQUESTS FROM AUTHORIZED REPRESENTATIVES WILL BE HONORED. ANY RESTAKING SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
- FINAL SIGN INSTALLATION AND STRIPING WILL BE DONE BY THE CITY OF WEST LINN AND BILLED TO THE DEVELOPER.
- ALL FRANCHISE UTILITIES TO BE INSTALLED UNDERGROUND IN THE PUE, WITH THE EXCEPTION OF HIGH VOLTAGE POWER WHICH WILL REMAIN ABOVE GROUND ON THE SOUTH SIDE OF PARKER RD.
- ALL SIDEWALK SHOWN TO BE CONSTRUCTED WITH THE STREET IMPROVEMENTS. ROSEMONT SUMMIT IIR STORM AND SANITARY LINES TO BE IN PLACE BEFORE INSTALLING SIDEWALK. ADJUST CLEANOUT AND MANHOLE RIM ELEVATION TO FINAL SIDEWALK GRADE.
- ALL FEES FOR STREET TREES SHALL BE PAID TO THE CITY OF WEST LINN PARKS AND RECREATION DEPARTMENT.
- THE CONTRACTOR MAY APPLY ODOT'S SECTION 00330.42 WHICH ALLOWS THE INCORPORATION OF EXISTING ROADWAY MATERIALS INTO EMBANKMENTS IF THE AC IS SUFFICIENTLY BROKEN UP TO THE GRADATION OF MATERIALS INDICATED BY THE PROJECT SPECIFICATIONS.
- UPON COMPLETION OF THE SUBGRADE, THE CONTRACTOR SHALL COORDINATE WITH THE CITY INSPECTOR FOR A PROOF ROLL.
- MINIMUM ASPHALT WIDTH IS 2' IN TAPERED SECTIONS

SANITARY / STORM SEWERS:

- ALL SANITARY SEWER PIPE SHALL BE PVC 3034 IN ACCORDANCE WITH THE CITY OF WEST LINN'S SPECIFICATIONS. (UNLESS OTHERWISE SPECIFIED)
- ALL STORM SEWER MAINS SHALL USE "ULTRA RIB" PVC CONFORMING TO ASTM F-794 AND THE CITY OF WEST LINN SPECIFICATIONS
- TRENCH BACK FILL IN PAVED AREAS SHALL BE CLASS B GRANULAR BACKFILL COMPACTED TO 95 PERCENT RELATIVE MAXIMUM DENSITY, AASHTO T-180.
- PRIOR TO ACCEPTANCE, ALL PUBLIC STORM SEWERS SHALL BE TESTED IN ACCORDANCE WITH THE CITY OF WEST LINN'S REQUIREMENTS.
- MANHOLE RIM ELEVATIONS SHOWN ARE APPROXIMATE AND FOR INFORMATION ONLY. FINAL ELEVATIONS SHALL BE SET TO MATCH CONSTRUCTED FINISH GRADE.
- MANHOLE CONSTRUCTION AND TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF WEST LINN'S STANDARD PLANS AND TESTING PROCEDURES

WATERLINES:

- WATER MAINS SHALL BE DUCTILE IRON PIPE CONFORMING TO AWWA C151 CLASS 52. PIPE IS TO HAVE CEMENT MORTAR LINING AND BITUMINOUS SEAL COAT CONFORMING TO AWWA C104. JOINTS ARE TO BE PUSH-ON FIELD-LOCK RESTRAINED JOINTS (OR APPROVED EQUAL) UNLESS NOTED OTHERWISE ON THE PLAN. PIPE FITTINGS ARE TO BE METALLIC WITH THE SAME MATERIAL AND CLASS AS PIPE OF DOMESTIC ORIGIN.
- PIPE BEDDING AND PIPE ZONE MATERIAL SHALL BE 3/4"-6" CRUSHED ROCK COMPACTED TO 95 PERCENT MAXIMUM DENSITY, AASHTO T-180.
- TRENCH BACKFILL MATERIAL IN PAVED AREAS SHALL BE CLASS B GRANULAR BACKFILL COMPACTED TO 95 PERCENT RELATIVE MAXIMUM DENSITY, AASHTO T-180.
- FIRE HYDRANTS SHALL BE MUELLER CENTURION MDLA-428 OR CLOW MEDALLION F-2545 ONLY. HYDRANT ASSEMBLY SHALL BE ONE UNIT ONLY, NO EXTENSIONS ARE ALLOWED. SEE DETAIL.
- MINIMUM COVER OVER WATERLINES IS TO BE 36" (UNLESS OTHERWISE SPECIFIED) AS MEASURED FROM FINISHED GRADE TO TOP OF PIPE. MINIMUM VERTICAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWER AT A CROSSING IS 18". SANITARY SEWER AT WATERLINE CROSSINGS WITH LESS THAN THE MINIMUM VERTICAL SEPARATION SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH WATERTIGHT JOINTS. IN SUCH CASES THE 18-FOOT LENGTH ON SANITARY SEWER SHALL BE CENTERED AT THE CROSSING.
- WATERLINES SHALL BE PRESSURE TESTED FOLLOWING COMPLETION. PRESSURE TESTS AT THE LOWEST POINT IN TEST SECTION SHALL BE IN ACCORDANCE TO THE CITY OF WEST LINN'S STANDARDS WITH A MINIMUM TEST PRESSURE OF 180 PSI. ALL TESTING WILL BE DONE WITH THE CITY INSPECTOR PRESENT PER THE CITY OF WEST LINN'S TESTING REQUIREMENTS. SERVICE LINES WILL ALSO BE TESTED TO THE METER LOCATION IF INSTALLED BY THE CONTRACTOR. FILLING AND FLUSHING OPERATIONS ARE TO BE COORDINATED AND APPROVED BY THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
- PRIOR TO BEING PUT INTO SERVICE, THE WATERLINE SHALL BE FLUSHED, STERILIZED AND FLUSHED AGAIN ALL IN ACCORDANCE WITH STANDARD METHODS OF THE HEALTH DIVISION, DEPARTMENT OF HUMAN RESOURCES, STATE OF OREGON.
- PRIOR TO ALLOWING HUMAN CONSUMPTION OF THE WATER FROM THE NEW WATERLINE, A SAMPLE SHALL BE TAKEN AND TESTED FOR BACTERIOLOGICAL QUALITY. RESULTS MUST BE WITHIN STANDARDS OF THE STATE OF OREGON.
- CONCRETE THRUST BLOCKING SHALL BE PROVIDED AT ALL WATERLINE FITTINGS AS REQUIRED BY CITY STANDARDS. BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH AND CLEAR OF JOINT ACCESSORIES. BEARING AREA OF THRUST BLOCK SHALL BE COMPUTED ON THE BASIS OF ALLOWABLE SOIL BEARING PRESSURE.

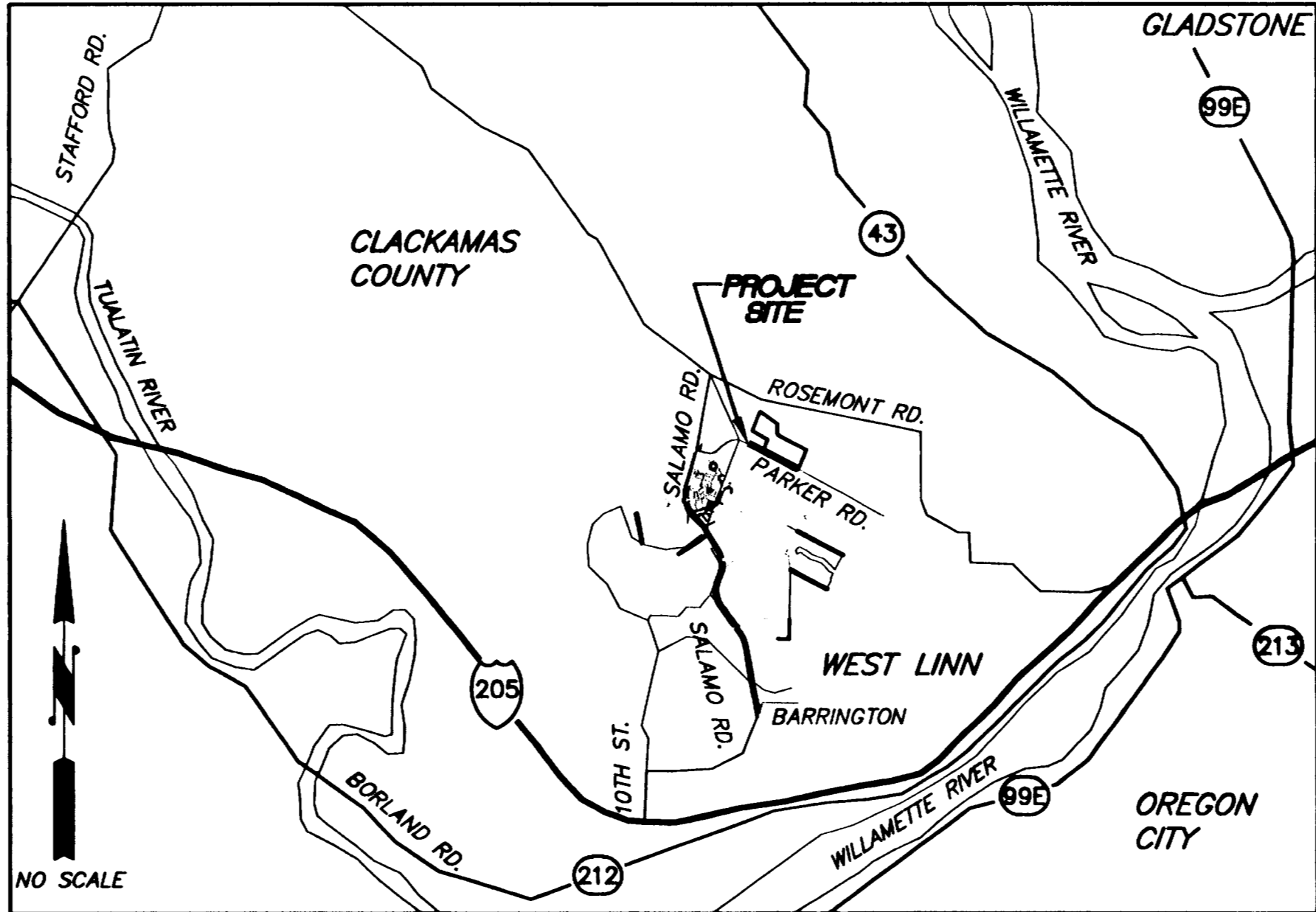
NOTE: TOPOGRAPHIC SURVEY BY WRG DESIGN AND AERIAL PHOTO MAPPING.

PARKER ROAD II
FULL STREET IMPROVEMENTS
STATION 23+94 TO STATION 35+73
CITY OF WEST LINN

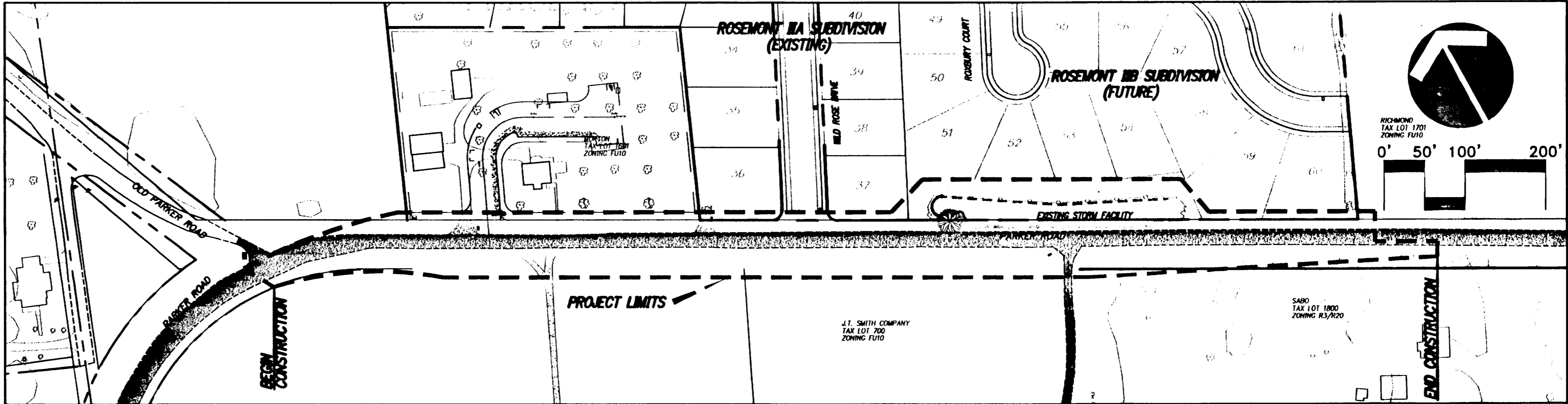
STREET
CONSTRUCTION

PROJECT TEAM

- CLIENT: KOSS REAL ESTATE, J.T. SMITH COMPANY, JIM MORTON
CONTACT - HERB KOSS 557-1144, JOE SCHIEWE 657-3402, JIM MORTON 722-7824
- ENGINEER: OTAK
PROJECT MANAGER - SCOTT SHUMAKER, PE 635-3818



VICINITY MAP



PROJECT MAP

SCALE = 1"=100'

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 THESE 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 248-6699.

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- COVER SHEET
- EROSION CONTROL PLAN AND GRADING/TYPICAL CROSS SECTIONS
- EROSION CONTROL DETAILS AND NOTES
- STREET GEOMETRY PLAN
- STREET & STORM PLAN / PROFILE WITH STREET LIGHT LOCATION
- STORM LINE C.D AND SWALE DESIGN
- SANITARY AND WATER PLAN & PROFILE
- STRIPING/DETAILS AND OVERALL STREET PROFILE PLAN
- POND ENTRY PLAN AND CONTROL MANHOLE MODIFICATION DETAIL
- STREET LANDSCAPING PLAN AND DETAILS
- DETAIL SHEET
- DETAIL SHEET
- DETAIL SHEET

LEGEND

EXISTING	PROPOSED
--- RIGHT OF WAY	--- SAWCUT LINE
--- CENTERLINE	--- DITCH INLET
--- LIMITS OF PAVEMENT	--- CURB INLET
--- WATER LINE	--- 2' CONTOUR
--- SANITARY SEWER	--- 10' CONTOUR
--- STORM SEWER	--- RETAINING WALL
--- FIRE HYDRANT	--- SILT FENCING
--- 10' CONTOUR	--- POND FENCING
--- 2' CONTOUR	--- INLET PROTECTION
--- ROCK RETAINING WALL	--- STORM SEWER
--- WATER VALVE	--- STORM SEWER MH
--- SAN SEWER MH	--- SANITARY SEWER
--- STORM SEWER MH	--- SAN SEWER MH
	--- WATER LINE
	--- WATER VALVE
	--- STREET LIGHT

Date
WJK/SAS
Designed
WJK
Drawn
SAS 12-7-01
Checked By
Date

REGISTERED PROFESSIONAL ENGINEER
38,361
OREGON
JULY 11, 2000
SCOTT SHUMAKER

EXPIRES: 06/30/2002

"AS-BUILT"
DATE 12-7-01 BY RDK

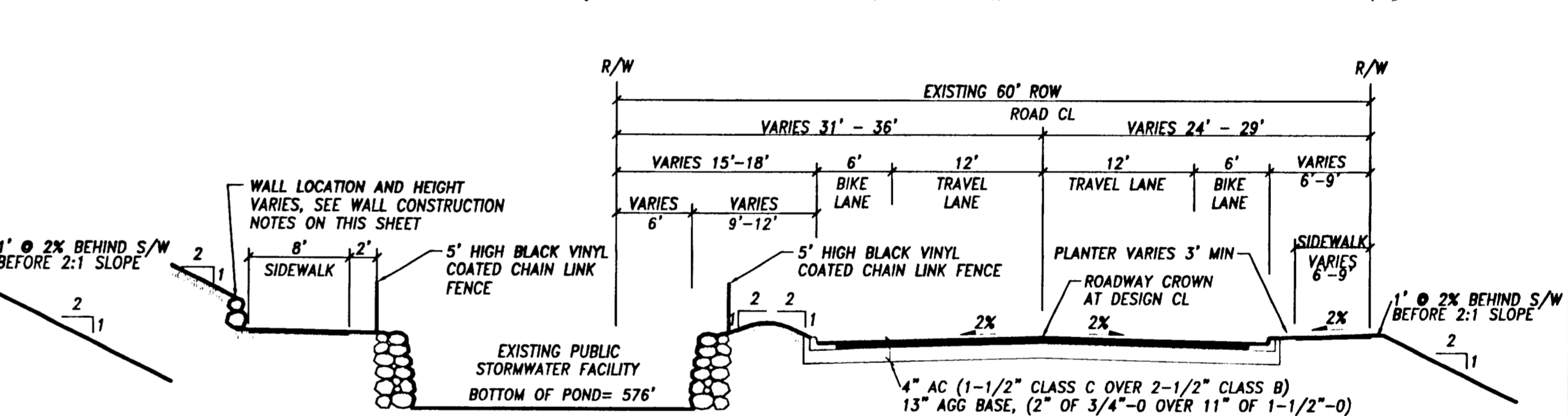
KOSS REAL ESTATE
22400 SALAMO RD.
WEST LINN, OR 97068
Phone: (503) 557-1144
Fax: (503) 557-1294

Parker Road II
STREET IMPROVEMENT
CITY OF WEST LINN, OREGON
COVER SHEET

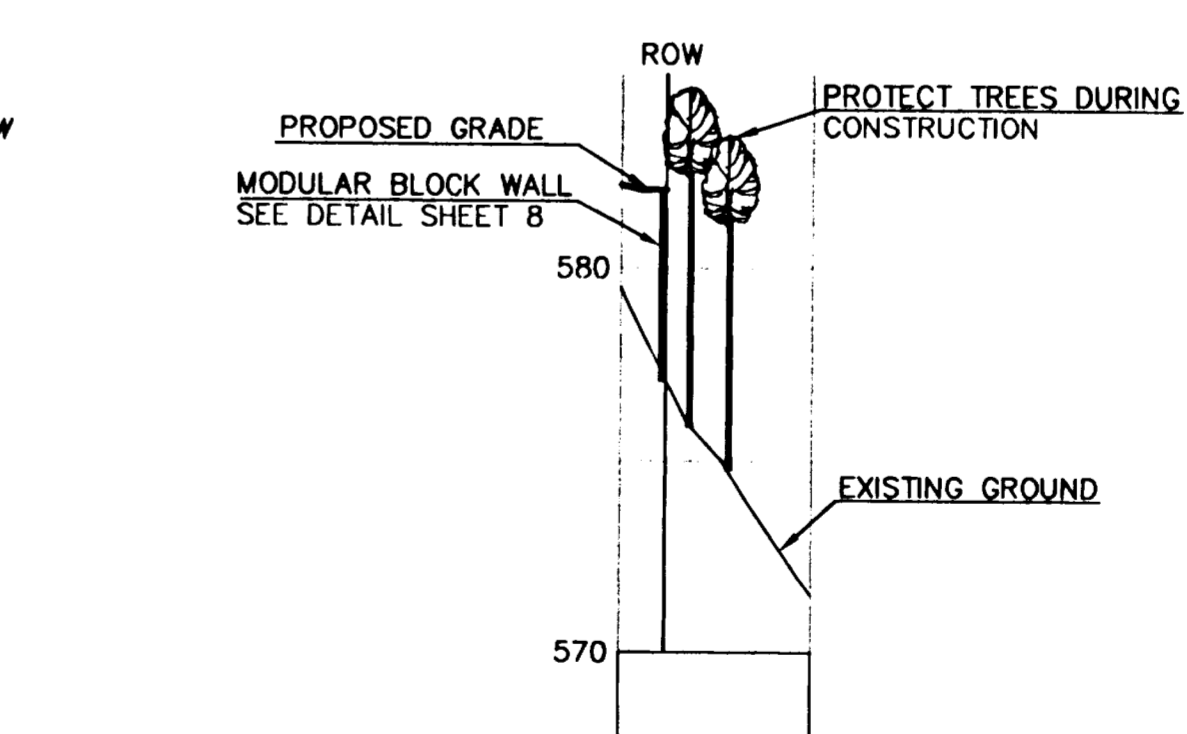
otak
Incorporated
17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3618
FAX: (503) 635-5395

L9933
Project No.
D933S001
File No.
1
Sheet No.
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ASBUILT SET DECEMBER 7, 2001



Parker Road Section (Sta. 30+45 TO 32+28)



Parker Road Section (Sta: 33+55 TO 36+61)

- ⑫ BEGIN MODULAR BLOCK WALL
BOTTOM OF WALL = 566'
TOP OF WALL = 570'
NOTE: MODULAR WALL TO NOT EXCEED 4' IN HEIGHT
- ⑬ MODULAR BLOCK WALL
BOTTOM OF WALL = 568'
TOP OF WALL = 572'
NOTE: MODULAR WALL TO NOT EXCEED 4' IN HEIGHT
- ⑭ END MODULAR BLOCK WALL
BOTTOM OF WALL = 576'
TOP OF WALL = 577'



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 HYDROSEEDING USING THE FOLLOWING SPECIFICATIONS:

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

SEED PLACED BY THE FOLLOWING METHOD:

HYDROSEEDING 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 SEED 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-HALF (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 THE CONTRACTOR 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 NO EXPENSE TO THE OWNER.

ALL DISTURBED AREAS WITH SLOPES LESS THAN 3:1 THAT HAVE BEEN GRADED AND COMPACTED SHALL BE SEED 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 SEED 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):

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

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

SEDIMENT FENCES

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.

THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 18 INCHES.

A TRENCH SHALL BE EXCAVATED, ROUGHLY 8 INCHES WIDE BY 6 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.

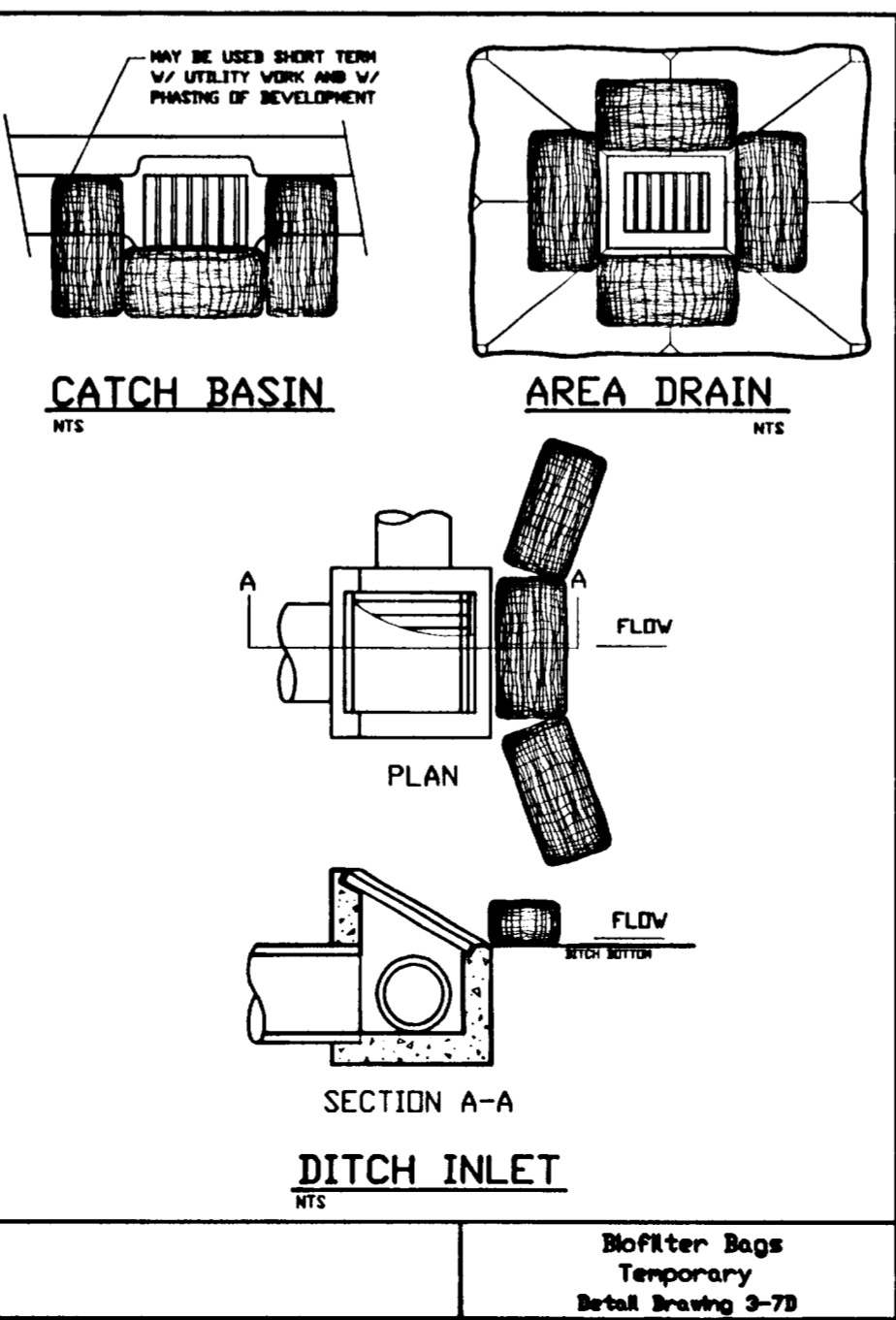
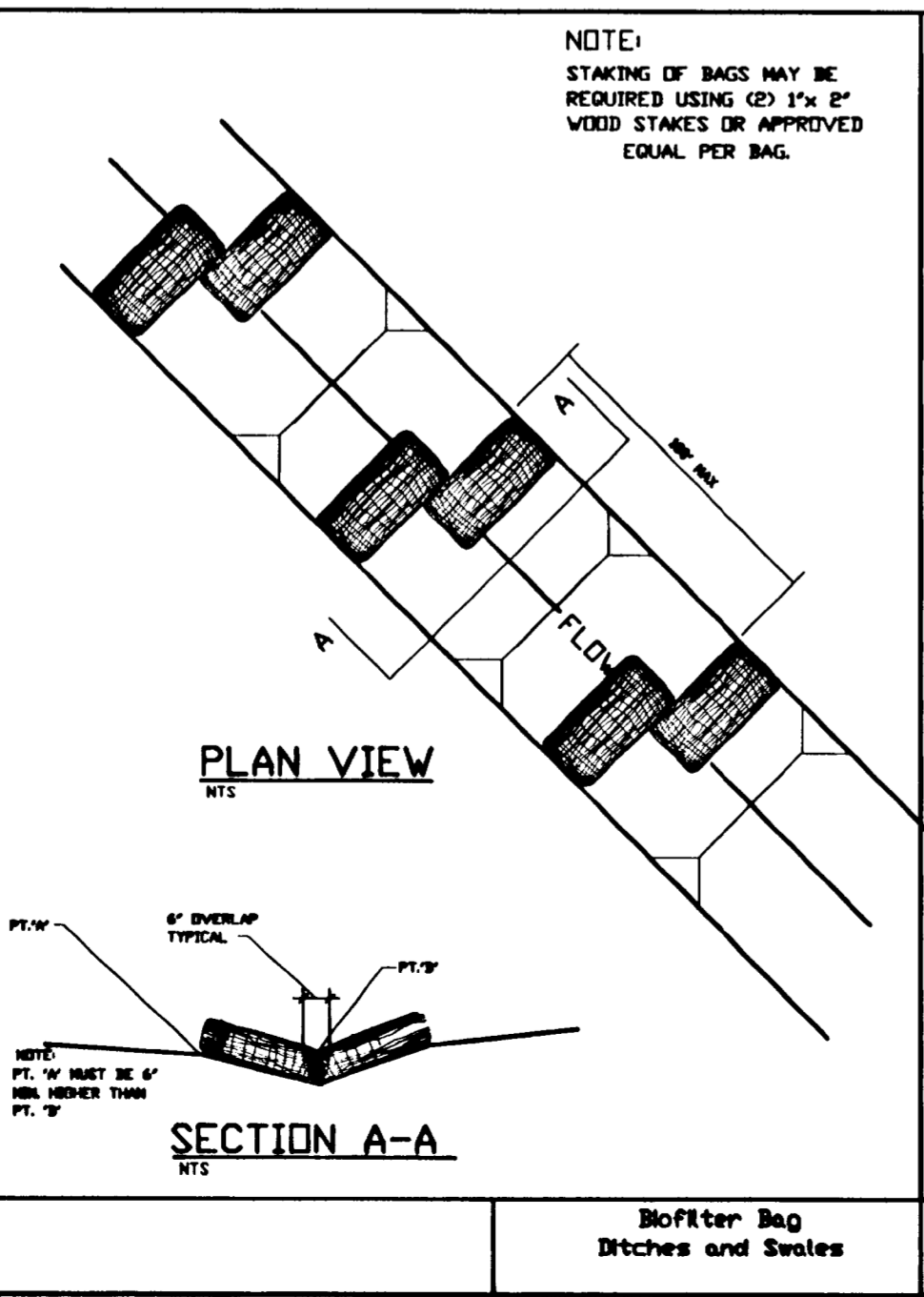
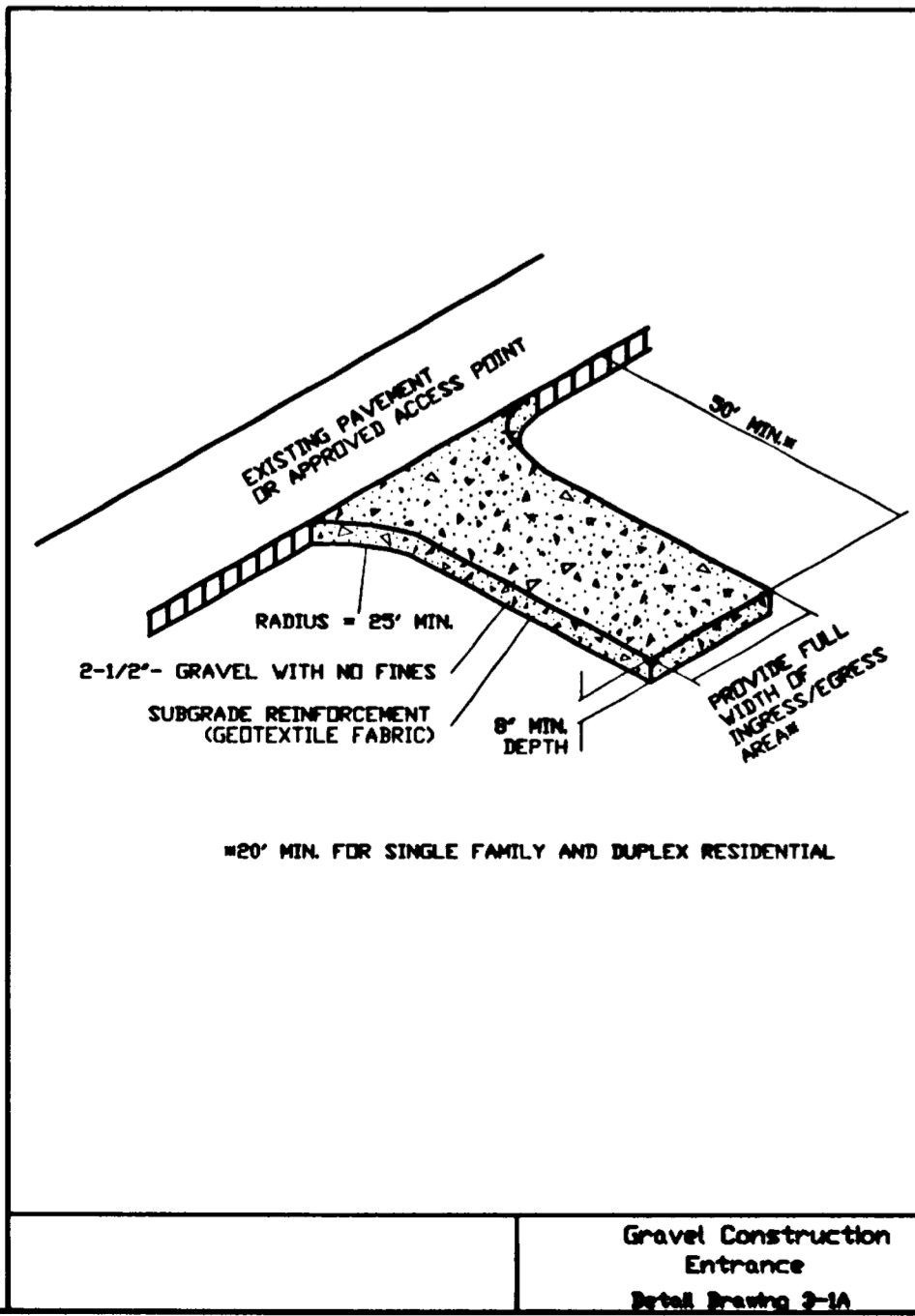
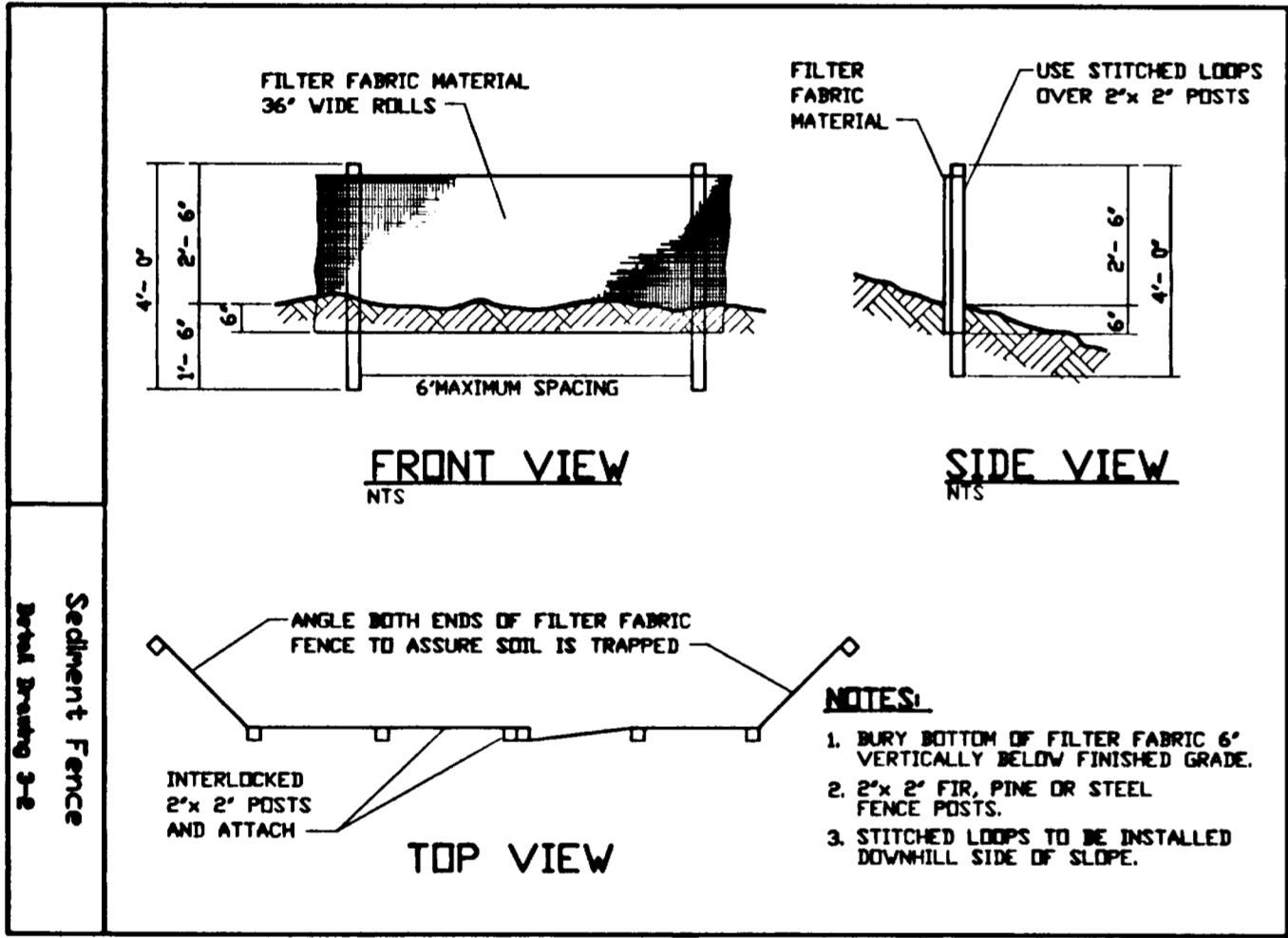
WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRE OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

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 30 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

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.

SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

SEDIMENT FENCES SHALL BE INSPECTED BY APPLICANT/CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.



EROSION CONTROL MATRIX

EROSION MEASURES	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	GRAVEL CONSTRUCTION ENTRANCE	SEDIMENT FENCE/BARRIER AT TIE OF DISTURBED AREA OR STOCKPILE	SIDEWALK SUBGRADE GRAVEL BARRIER (SITE SLOPES TO STREET AT <5% GRADE) ALTERNATE TO #2	UNDISTURBED BUFFER AT TIE OF DISTURBED AREAS (ALTERNATE TO #2) (SITE SLOPES <10%)	SEDIMENT FENCE OR BARRIER INSTALLED ON CONTOURS (SPACING)	TEMP. INTERCEPTOR DIKES/SVALES AROUND ACTIVE WORK AREAS	CHECK DAMS	STORM DRAIN INLET PROTECTION BARRIER	6-MIL PLASTIC SHEET COVER	2'- MIN. STRAW MULCH COVER	ESTABLISH GRASS	EROSION BLANKETS WITH ANCHORS	SEDIMENT TRAP OR POND	RE-ESTABLISH VEGETATION OR LANDSCAPE PRIOR TO REMOVAL OF EROSION CONTROL MEASURES
SITE SITUATION														
SINGLE FAMILY/ DUPLEX RESIDENTIAL														
SLOPE <2%	X		A(2)	A(2)										X
SLOPE >2%	X	X		X										X
STOCK PILES														
COMMERCIAL, SUBDIVISION LARGE SITE CONSTRUCTION														
SITE SLOPE <2%	X	X		A(2)	X300'									X
SITE SLOPE <10%	X	X			X150'									X
SITE SLOPE <15%	X	X			X100'									X
SITE SLOPE <20%	X	X			X50'									X
SITE SLOPE <30%	X	X			X25'									X
SITE SLOPE <50%	X	X			X25'									X
STOCK PILE SLOPE >50%	X	X												
UTILITIES CONSTRUCTION														
CATCH BASIN DRAINAGE														
DITCH DRAINAGE							X	X						X
STOCK PILES														
STOCK PILES														
DITCHES/SVALES (CONSTRUCTION/PROTECTION)		X					X							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)	0 = ALTERNATE WET WEATHER MEASURE TO #													

Date
Designed
Drawn
Checked By Date

REVISIONS
BY
DATE
NO.

KOSS REAL ESTATE
22400 SALAMO RD.
WEST LINN, OR 97068
Phone: (503) 557-1144
Fax: (503) 557-1294

Parker Road II
STREET IMPROVEMENT
CITY OF WEST LINN, OREGON
EROSION CONTROL DETAILS AND NOTES

otak
Incorporated
17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3618
FAX: (503) 635-5395
L9933
Project No.
D933S003
File No.
3
Sheet No.
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NOTE: ROADWAY IS CENTERED WITHIN THE EXISTING 60' R.O.W. FROM STA. 23+94 - 29+90.75
ROADWAY IS OFFSET WITHIN THE EXISTING 60' R.O.W. FROM STATION 29+90.75 TO STA:
44+10.21 TO A MAXIMUM OF 6' LEFT OF R.O.W. CENTERLINE AND A MAXIMUM OF 6'
RIGHT OF R.O.W. CENTERLINE.

CURVE	LENGTH	RADIUS	DELTA	ROW CL DEFL
C1	18.49'	650.00	1°37'48"	0.06'
C2	30.89'	650.00	2°43'23"	5.93'
FUTURE C3	34.68'	650.00	3°03'25"	5.77'
FUTURE C4	41.77'	650.00	3°40'56"	5.66'
FUTURE C5	19.49'	650.00	1°43'06"	0.07'

CURVES C3, C4, AND C5 ARE FOR FUTURE CURB/
ROADWAY ALIGNMENT

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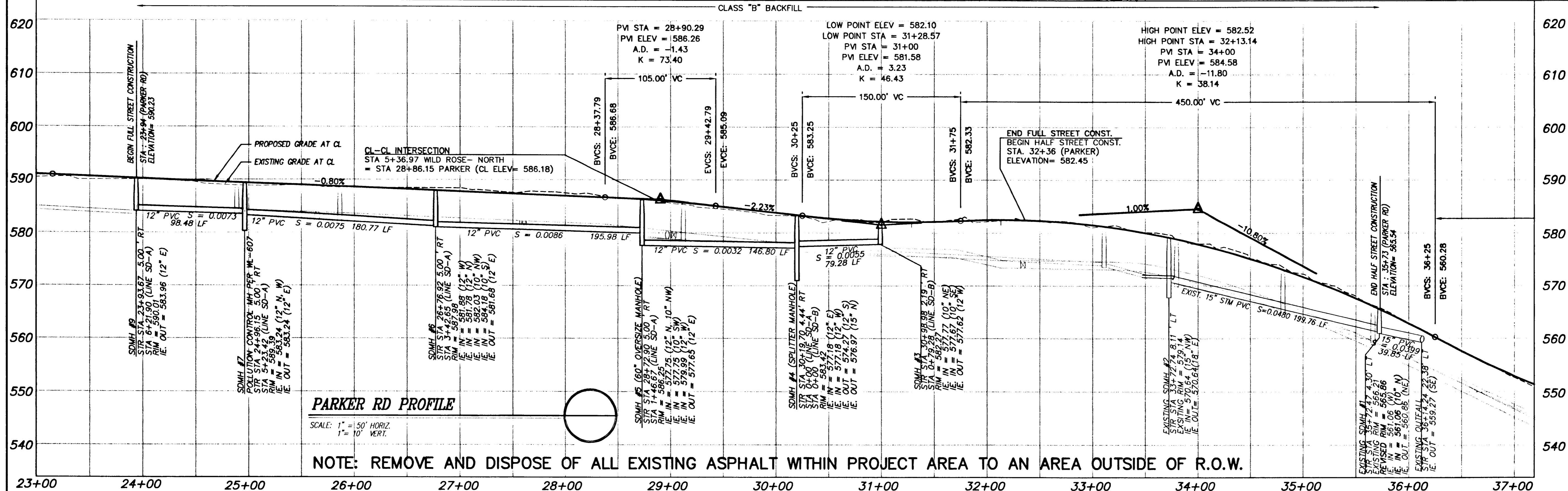
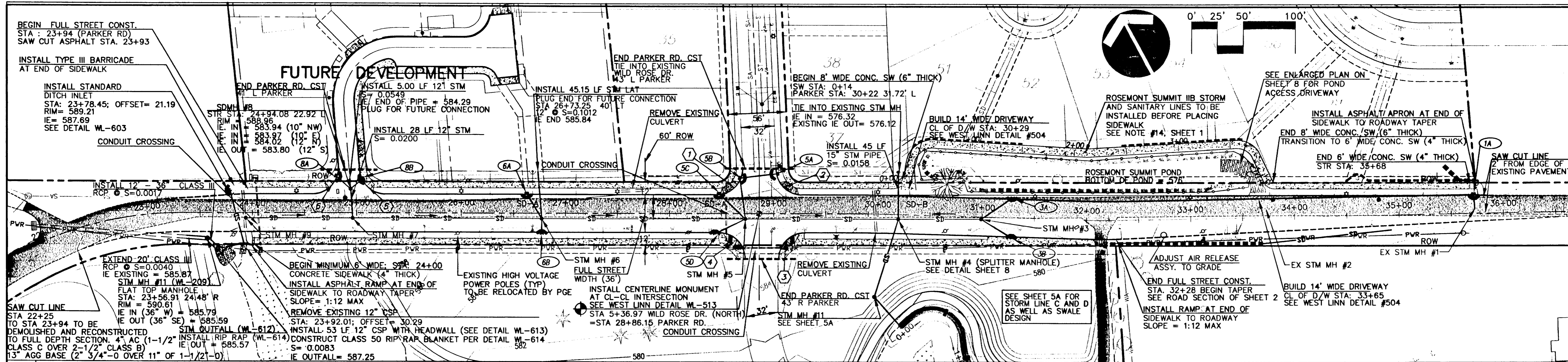
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D933X430
D933X900
WRG--OTAK2

Unresolved
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S625B191
S625P130

```

CURB INFORMATION (T.O.C ELEVATION)

<p>①</p> <p>PC AT STA: 5+00.50 16.00' R (WILD ROSE DR- NORTH)</p> <p>R = 25.00'</p> <p>L = 39.59'</p> <p>Δ = 90°43'58"</p> <p>PT AT STA: 28+45.13 18.00' L (PARKER RD.)</p>	<p>PC 586.27</p> <p>1/4: 586.10 LOW POINT (CB 58)</p> <p>1/2: 586.20</p> <p>3/4: 586.60</p> <p>PT: 586.76</p>	<p>④</p> <p>PC AT STA: 28+47.18 18.00' R (PARKER RD)</p> <p>R = 25.00'</p> <p>L = 39.28'</p> <p>Δ = 90°02'57"</p> <p>PT AT STA: 5+39.61 16.00' L (WILD ROSE DR- SOUTH)</p>
<p>②</p> <p>PC AT STA: 29+27.13 18.00' L (PARKER RD)</p> <p>R = 25.00'</p> <p>L = 39.03'</p> <p>Δ = 89°26'37"</p> <p>PT AT STA: 5+79.58 16.00' R (WILD ROSE DR- NORTH)</p>	<p>PC: 585.58</p> <p>1/4: 585.70</p> <p>1/2: 585.85</p> <p>3/4: 586.00</p> <p>PT: 586.24</p>	<p>⑤</p> <p>PC AT STA: 25+27.56 18.00' L (PARKER RD)</p> <p>R = 25.00'</p> <p>L = 37.24'</p> <p>Δ = 85°20'49"</p> <p>PT AT STA: 40+42.29 10.00' R (MORTON)</p>
<p>③</p> <p>PC AT STA: 5+39.61 16.00' R (WILD ROSE DR- SOUTH)</p> <p>R = 25.00'</p> <p>L = 39.25'</p> <p>Δ = 89°57'03"</p> <p>PT AT STA: 29+29.18 18.00' R (PARKER RD.)</p>	<p>PC: 584.25</p> <p>1/4: 584.60</p> <p>1/2: 585.09</p> <p>3/4: 585.48</p> <p>PT: 585.52</p>	<p>⑥</p> <p>PC AT STA: 40+45.84 10.00' L (MORTON)</p> <p>R = 25.00'</p> <p>L = 41.30'</p> <p>Δ = 94°39'11"</p> <p>PT AT STA: 24+57.33 18.00' L (PARKER RD)</p>
		<p>PC: 586.74</p> <p>1/4: 586.34</p> <p>1/2: 585.56</p> <p>3/4: 584.74</p> <p>PT: 584.25</p>

CATCH BASIN INFORMATION

(1A)	STA: 35+71.47 18.00' L (PARKER RD) TOC: 565.65 USE DETAIL WL-601 COMBINATION INLET IE OUT: 562.45 13.74 LF 10" STM S= 0.0102	(5C)	STA: 28+47.57 18.00' L (PARKER RD) TOC: 587.22 USE DETAIL WL-600 (TYPE 2-1/2 A) IE OUT: 581.47 35.09 LF 10" STM S= 0.1089
(3A)	STA: 31+28.57 18.00' L (PARKER RD) TOC: 562.65 USE DETAIL WL-600 (TYPE 2-1/2 A) IE OUT: 578.25 36.39 LF 10" DIP STM S= 0.0159	(5D)	STA: 28+43.63 18.00' R (PARKER RD) TOC: 587.27 USE DETAIL WL-600 (TYPE 2 1/2 A) IE OUT: 579.72 32.44 LF 10" STM S= 0.0607
(3B)	STA: 31+28.57 18.00' R (PARKER RD) TOC: 582.74 USE DETAIL WL-600 (TYPE 2 1/2 A) IE OUT: 577.79 11.22 LF 10" DIP STM S= 0.0006	(6A)	STA: 26+62.53 18.00' L (PARKER RD) TOC: 588.70 USE WL-600 (TYPE 2-1/2A) IE OUT: 583.40 27.98 LF 10" STM S= 0.0489
(5A)	STA: 29+02.62 38.09' L (PARKER RD) TOC: 586.52 USE DETAIL WL-600 (TYPE 2-1/2 A) IE OUT: 582.92 15.43 LF 10" DIP STM S= 0.0529	(6B)	STA: 26+76.92 18.00' R (PARKER RD) TOC: 588.57 USE DETAIL WL-600 (TYPE 2 1/2 A) IE OUT: 584.32 14.00 LF 10" STM S= 0.0100
(5B)	STA: 28+68.36 33.77' L (PARKER RD) TOC: 586.46 USE DETAIL WL-600 (TYPE 2 1/2 A) IE IN: 581.06 IE OUT: 580.31 39.48 LF 12" STM S= 0.0672	(8A)	STA: 24+79.96 35.20' LT (PARKER RD) TOC: 589.79 USE DETAIL WL-600 (TYPE 2 1/2 A) IE OUT: 585.51 18.72 LF 10" STM S= 0.0839

STORM SEWER MANHOLE TABLE

MH #	Street Station	Rim elevation	Storm Sewer Alignment
EX 1	35+72.47	565.86	SD-A
EX 2	33+72.74	579.14	SD-A
3	30+98.98	582.27	SD-B
4	30+19.70	583.42	SD-A
5	28+72.90	586.25	SD-A
6	26+43.24	587.98	SD-A
7	24+96.15	589.39	SD-A
8	24+94.08	588.86	SD-A
9	23+33.67	590.01	SD-A
10	29+97.40	579.78	SD-C

Street Station	Offset to Light
23+98.92	21.00 L
25+30.00	21.00 L
27+68.96	21.00 L
30+48.38	21.00 L
32+18.23	25.00 L
33+99.31	21.00 L
35+64.99	21.00 L

STREET LIGHT LOCATIONS
STREET LIGHTS PER DETAIL WL-518
Stationing Based on Road C/L

NOTE: ALL CENTERLINE STATIONS ARE FROM
ROADWAY CENTERLINE WHICH IS OFFSET
FROM THE R.O.W. CENTERLINE FROM STA:
29+90.75 - THE END OF THE PROJECT

Date _____


Designed WJK/SAS

WJK

Drawn _____

063 12101

Checked By Date _____



EXPIRES: 06/30/2002

ESTATE

"AS-BUILT"

DATE 6-29-01 BY PJK

KOSS REAL ESTATE
22400 SALAMO RD.

Parker Road II

STREET IMPROVEMENTS
CITY OF WEST LINN, OREGON
STREET/STORM (PLAN/PROFILE)
STREET IMPROVEMENTS



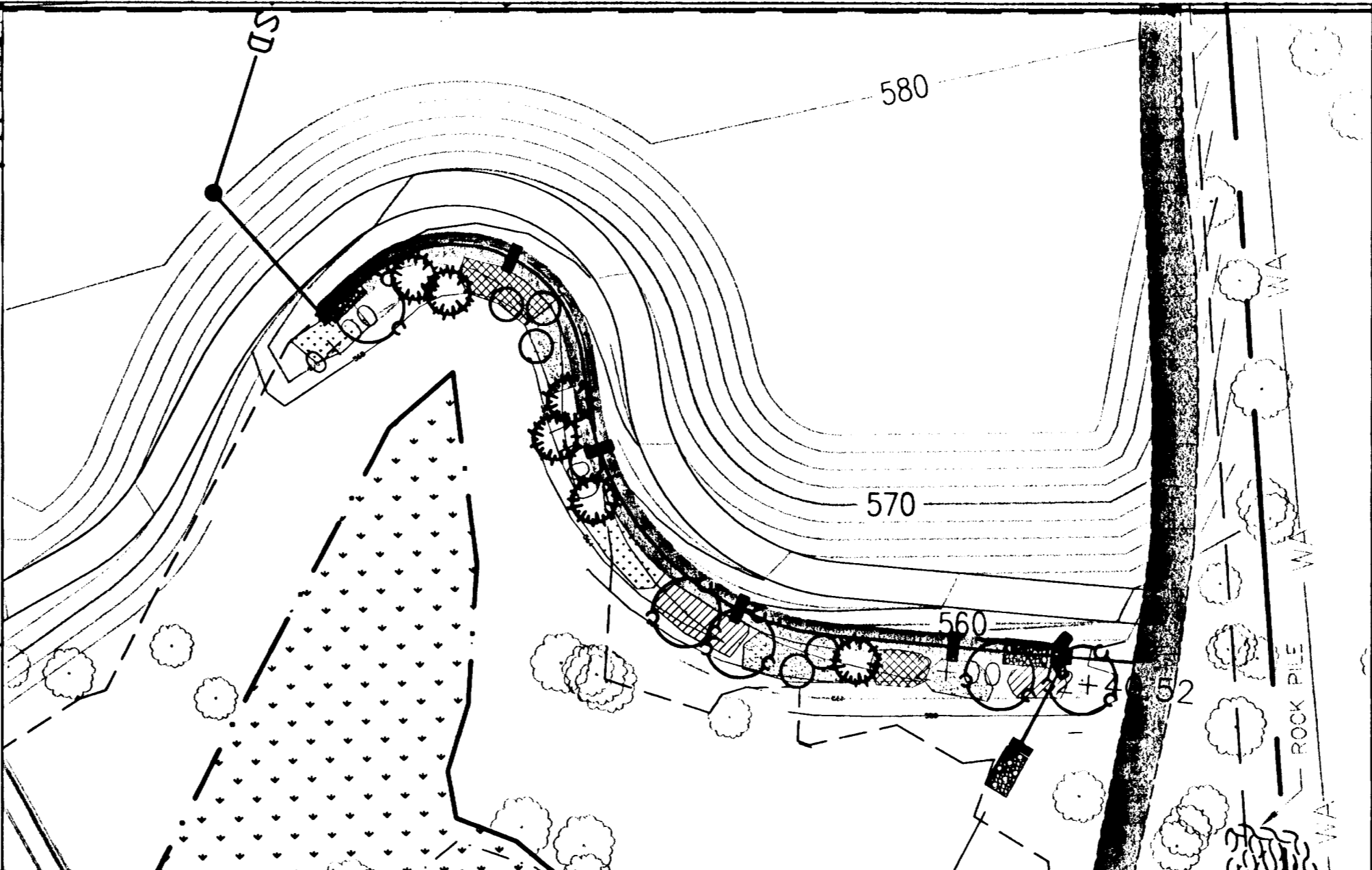
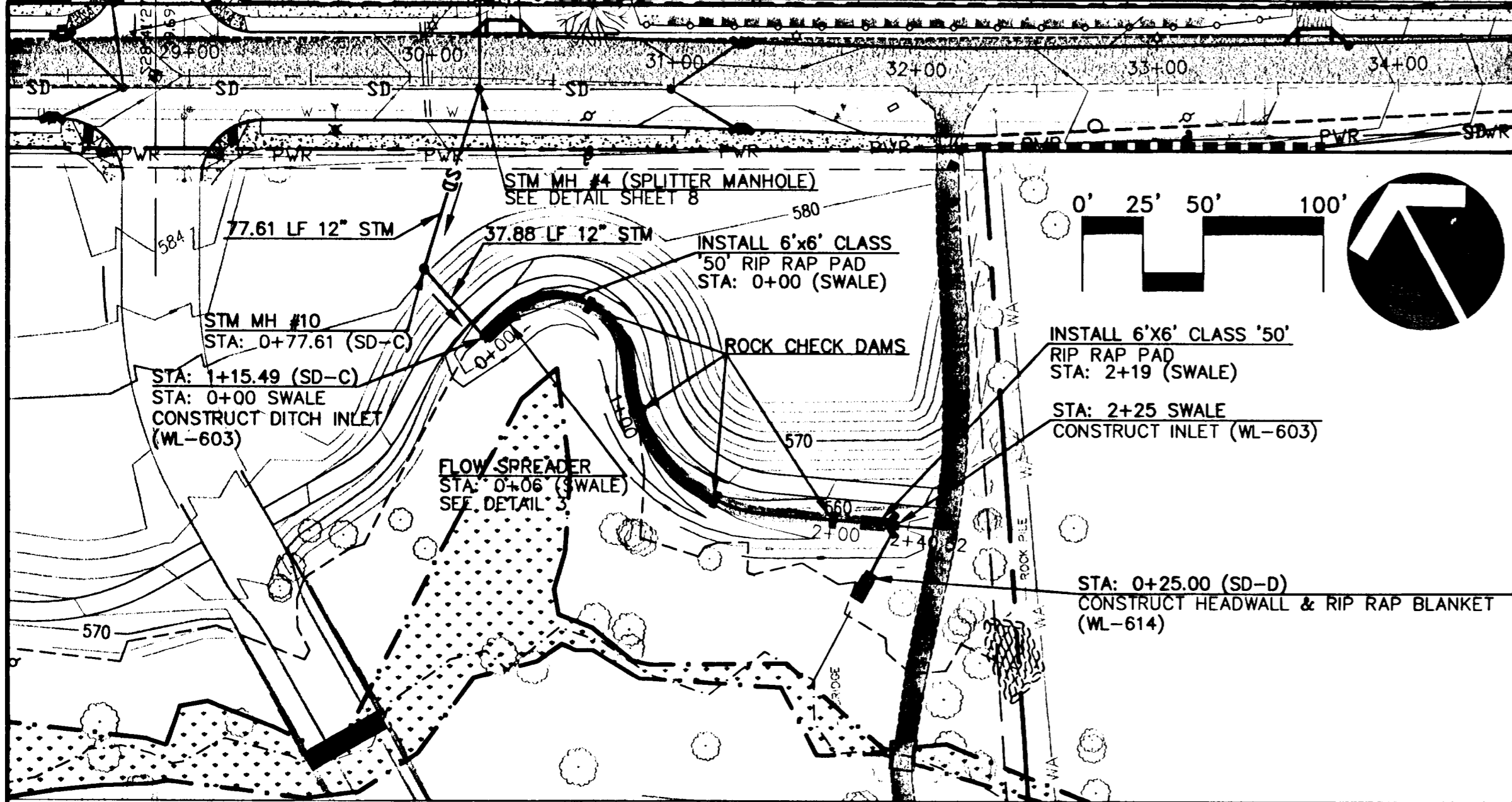
otak
Incorporated

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Lake Oswego, Oregon 97035
Phone: (503) 635-3618
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Project No.
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File No.
5
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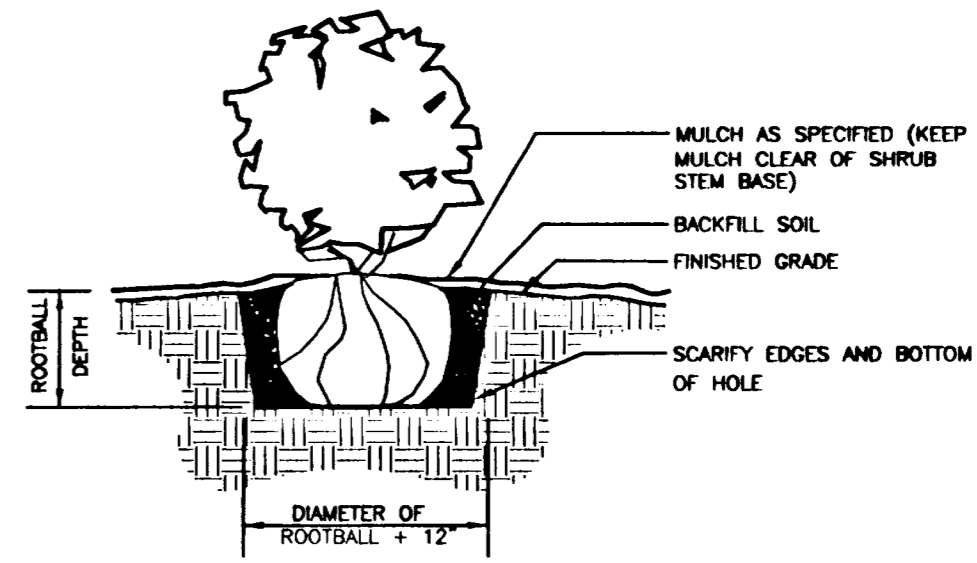


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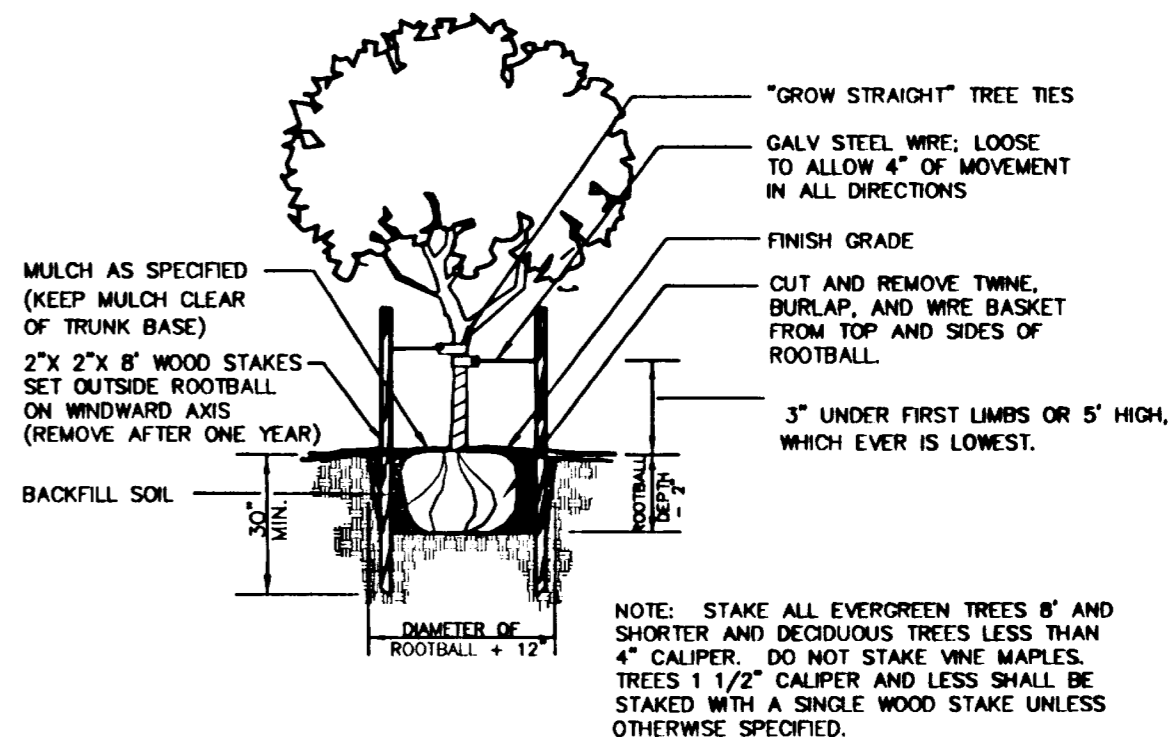
ALL PLANTING AREAS WILL BE WATERED UNTIL THE PLANTS HAVE ESTABLISHED.

PLANTING POCKET BACKFILL WILL INCLUDE 25% LEAF COMPOST MIXED WITH NATIVE TOPSOIL.

ALL PLANTING AREAS WILL BE TOP-DRESSED WITH A 2" LAYER OF MEDIUM BARK MULCH.



1 SHRUB PLANTING DETAIL



2 TREE STAKING DETAIL

SWALE

SCALE: 1" = 50'

1
5A

SWALE LANDSCAPING

SCALE: 1" = 30'

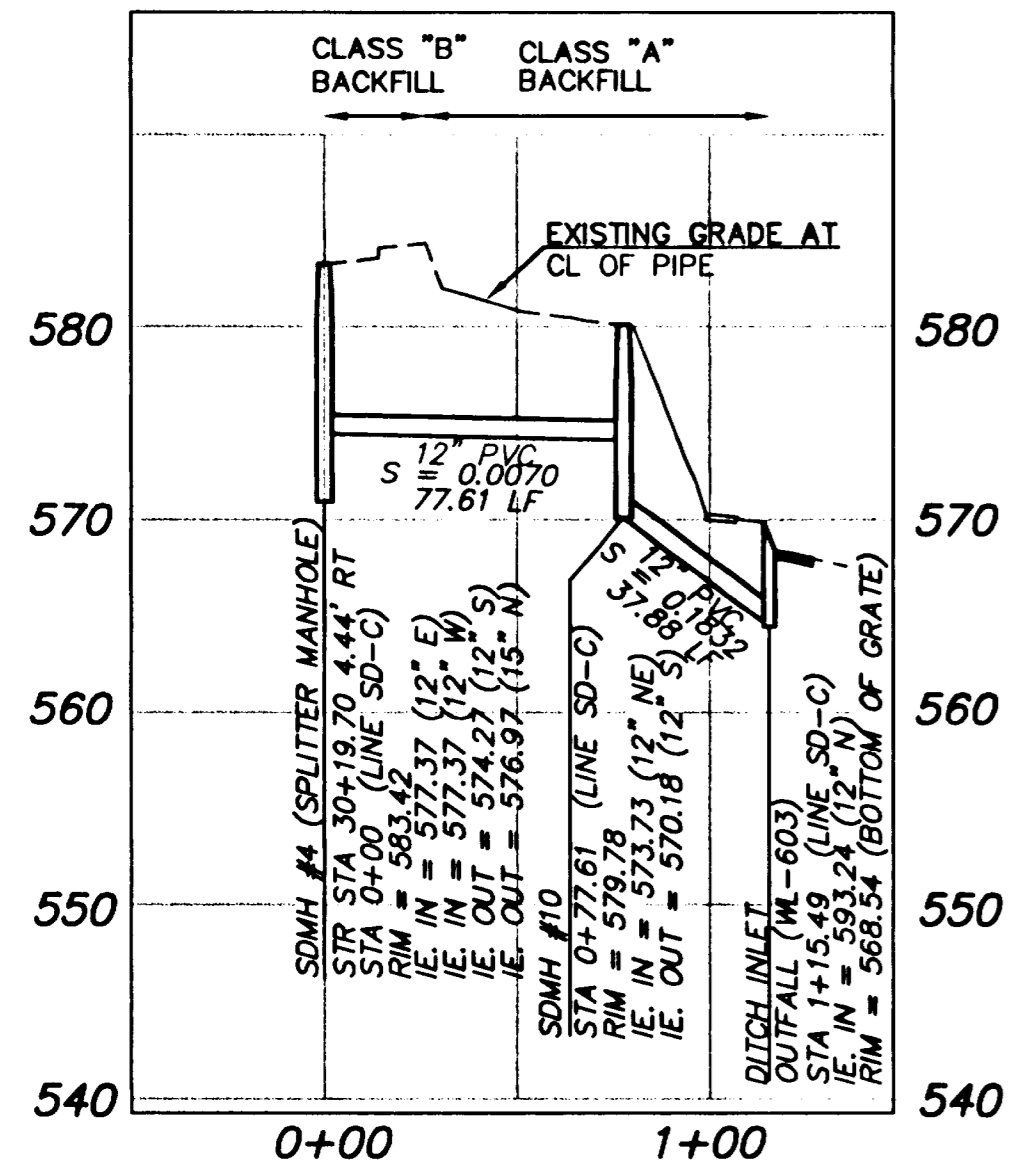
2
5A

PLANT LIST:	COMMON/BOTANICAL NAMES, SIZE AND CONDITION
	VINE MAPLE / ACER CIRCINATUM 6" - 7" TALL, B&B, MULTI-STEMMED
	DOUGLAS FIR / PSEUDOTSUGA MENZIESII 6" - 8" TALL, B&B
	RED ALDER / ALNUS RUBRA, 1-1/2" CALIPER, B&B
	SALIX SCOULERI / SCOULER WILLOW, 1 GAL CAN 5" OC. SPACING, PLANT IN GROUPS OF 5
	ROSA NUTKANA / NOOTKA ROSE, 1 GAL CAN 5" OC. SPACING, PLANT IN GROUPS OF 5
	CORNUS STOLONIFERA / RED TWIG DOGWOOD, 1 GAL CAN 5" OC. SPACING, PLANT IN GROUPS OF 5
	SPIRAEA DOUGLASII / DOUGLAS SPIRAEA, 1 GAL CAN 5" OC. SPACING, PLANT IN GROUPS OF 5
	GROUNDCOVER / SWALE SIDE SLOPES - BLUE WILD RYE 60%, NATIVE RED FESCUE 40% SEED AT 7LBS/1000SF
	SWALE SEED - HORRIS AND HOPKINS, PRO-TIME 840, NATIVE BIO-FILTER MIX (OR EQUAL) SEED AT 7LBS/1000SF
	NATIVE RED FESCUE = 40%
	TUFTED HAIRGRASS = 10%
	WESTERN MANNAGRASS = 2%
	AMERICAN SLOUGHGRASS = 1%
	INSTALL BIODEGRADABLE EROSION CONTROL MATTING IN SWALE FLOW AREA
	NOTE: ALL EXPOSED SOIL EXCEPT SWALE BOTTOM TO BE SEEDED GROUNDCOVER SEED MIX.

FLOW SPREADER

SCALE: NO SCALE
NO SCALE

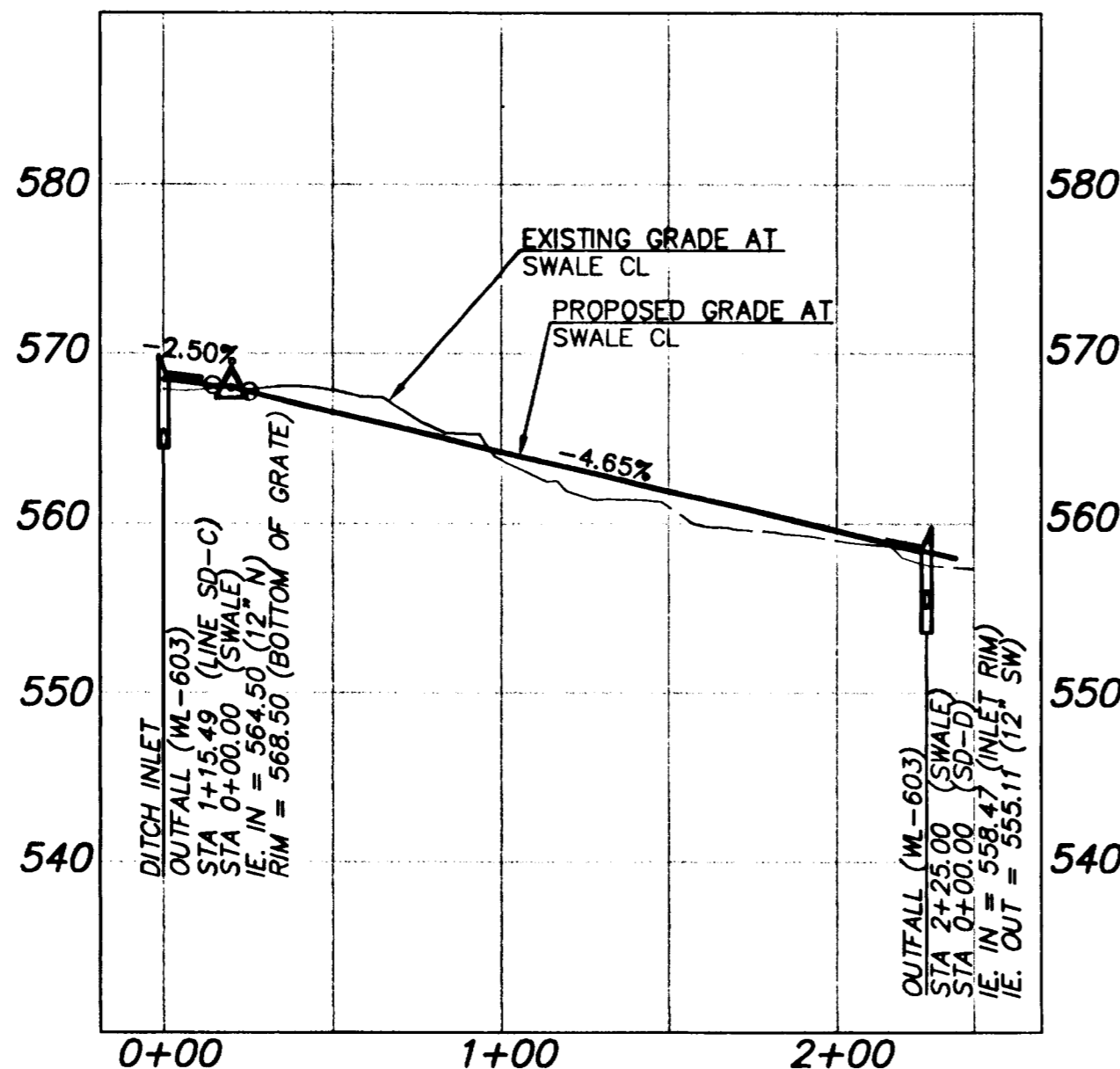
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STORM LINE C PROFILE

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

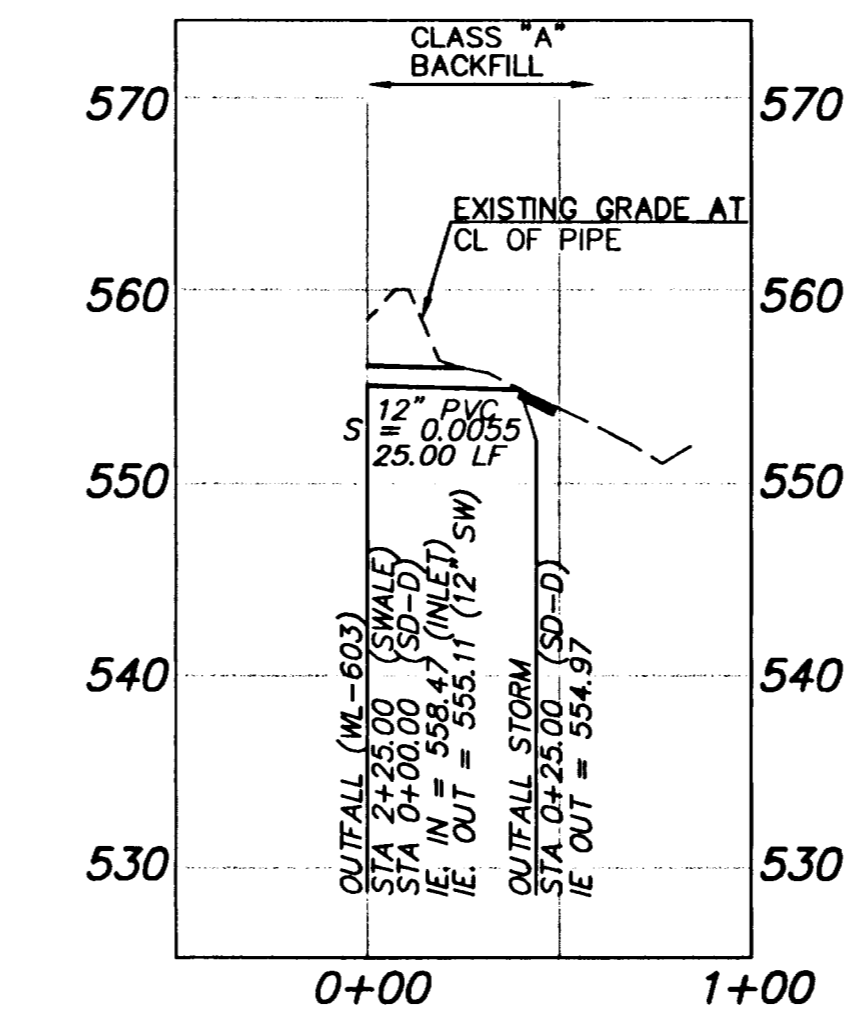
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SWALE PROFILE

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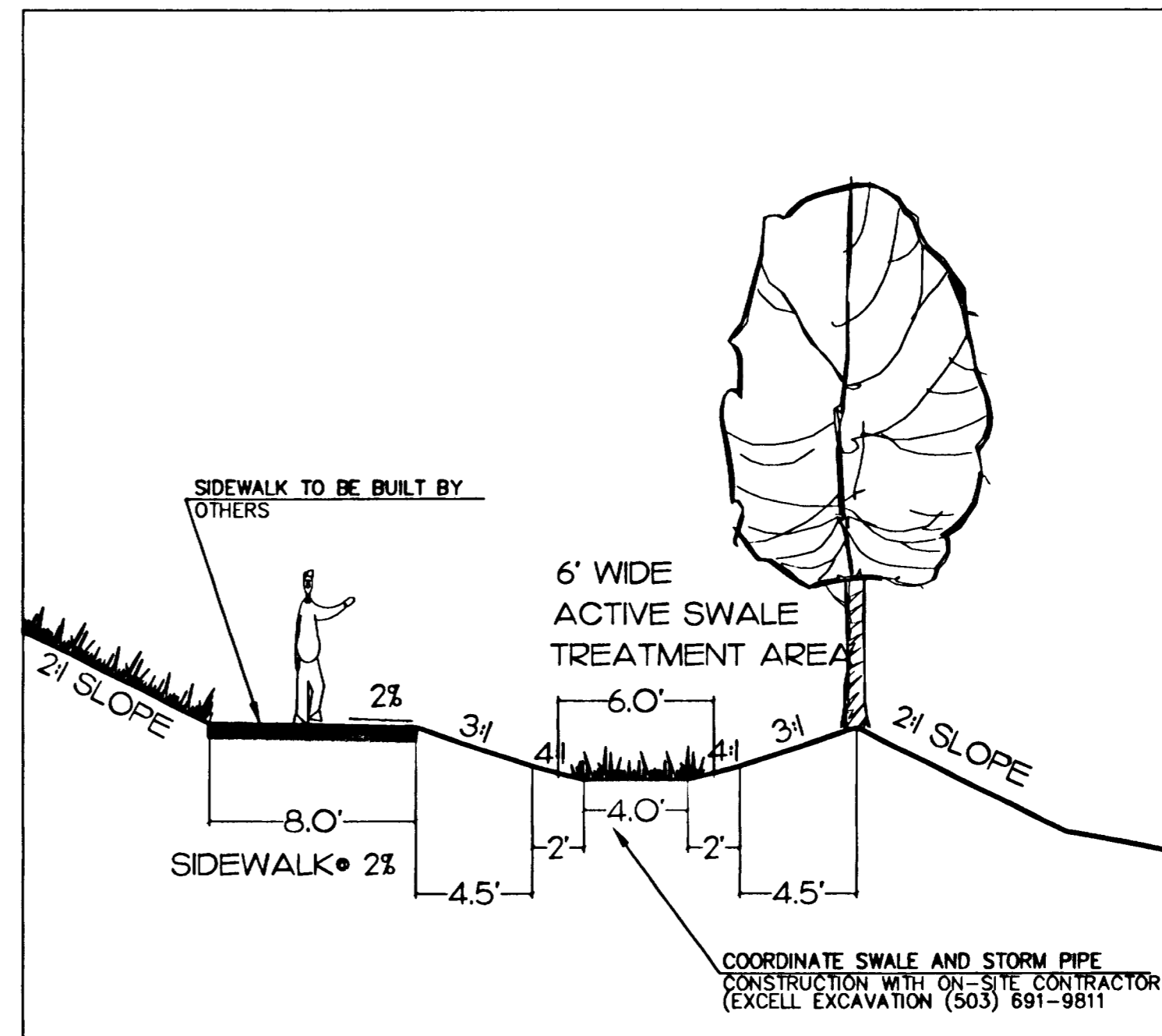
5
5A



STORM LINE D PROFILE

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

6
5A



TYPICAL SWALE SECTION

SCALE: NO SCALE
NO SCALE

7
5A

Date
WJK/SAS
Designed
WJK
Drawn
SAS 12-7-01
Checked By
Date



AS-BUILT
DATE 12-31-01 BY R&K

KOSS REAL ESTATE
22400 SALAMO RD.
WEST LINN, OR 97068
Phone: (503) 557-1144
Fax: (503) 557-1294

Parker Road II
STREET IMPROVEMENTS
CITY OF WEST LINN, OREGON
STREET/STORM (PLAN/PROFILE)
STREET IMPROVEMENTS



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Phone: (503) 635-3618
FAX: (503) 635-5395

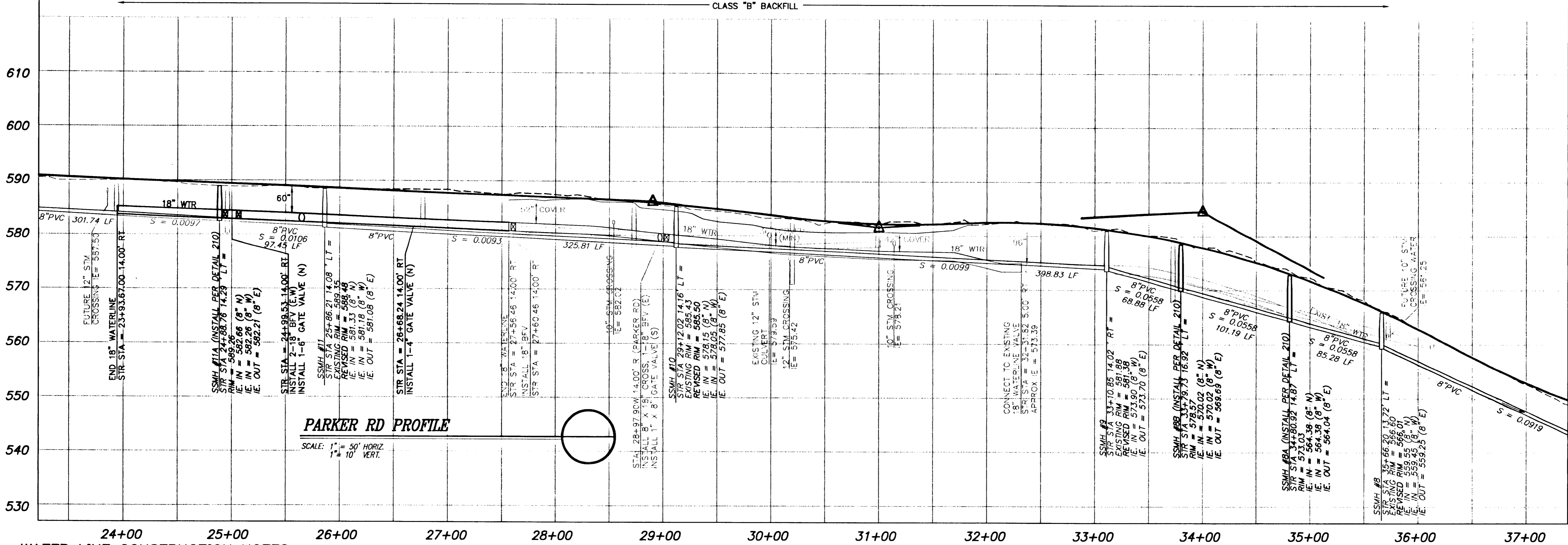
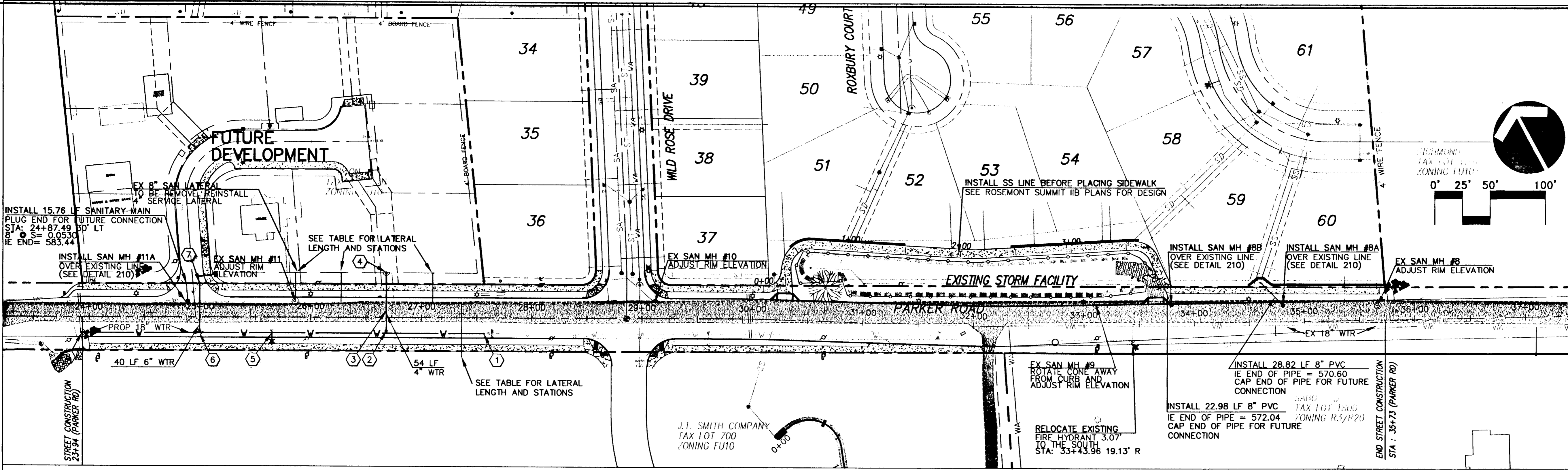
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Project No.
D933S005

File No.
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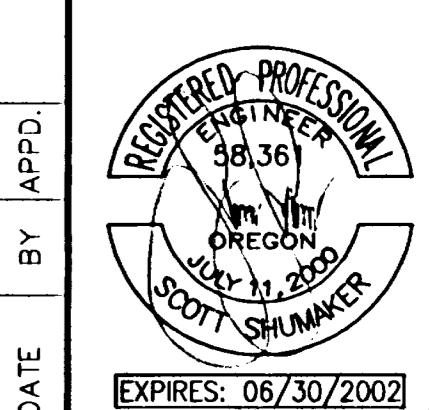
WATER LINE CONSTRUCTION NOTES
WATER LINE STATION REFER TO E OF THE STREET

- ① STA: 27+56.46 14.00' R (PARKER RD)
CONNECT TO EXISTING 18" WATER LINE
AND REMOVE BLOWOFF
IE = 582.32 (CONTRACTOR TO VERIFY)
- ② STA: 26+68.24 14.00' R (PARKER RD)
INSTALL 6" X 18" TEE, 1-6" GATE VALVE (N)
INSTALL 11.25' VERTICAL BEND (UP) (WL-407); IE = 581.53
- ③ STA: 26+68.24 6.00' LT (PARKER RD)
INSTALL 11.25' VERTICAL BEND (DOWN) (WL-407); IE = 584.53
MAINTAIN 36" COVER MIN
- ④ STA: 26+68.24 40.00' L (PARKER RD)
END 4" WATERLINE WITH 2" BLOWOFF
SEE DETAIL WL-404B
- ⑤ STA: 25+64.94 14.00' R (PARKER RD)
INSTALL FIRE-HYDRANT AND 7-1/2' LF OF
6" WATERLINE PER DETAIL WL-401
- ⑥ STA: 24+99.53 14.00' R (PARKER RD)
INSTALL 6" X 18" TEE, 2-18" BFV (L,W)
AND 1-6" GATE VALVE (N)
- ⑦ STA: 24+99.53 30.00' L (PARKER RD)
END 6" WATERLINE WITH 2" BLOWOFF
SEE DETAIL WL-404B
- ⑧ STA: 23+93.67 14.00' R (PARKER RD)
END 18" WATERLINE WITH 6" BLOWOFF
SEE DETAIL WL-404B

SANITARY SEWER LATERAL TABLE

Street Station	Length (l.f.)	Invert @ main	Slope	Invert @ end of lateral	Lateral Size (in.)
26+27.60	25.92	580.89	0.0200	581.41	4
27+10.25	25.92	580.07	0.0200	580.59	4
27+36.15	49.07	579.77	0.0200	580.75	4

Date WJK/SAS
Designed WJK
Drawn SJS 12-7-01
Checked By Date



"AS-BUILT"
DATE 12-7-01 BY SJS

KOSS REAL ESTATE
22400 SALANO RD
WEST LINN, OR 97068
Phone: (503) 557-1544
Fax: (503) 557-1294

Parker Road II
STREET IMPROVEMENT
CITY OF WEST LINN, OREGON
SANITARY/WATER (PLAN/PROFILE)



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Lake Oswego, Oregon 97035
Phone: (503) 635-3618
Fax: (503) 635-5395

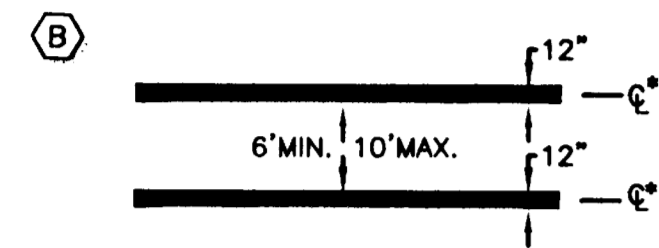
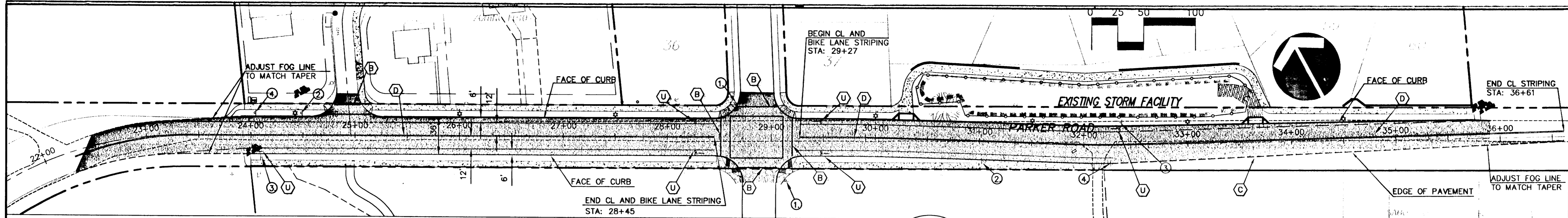
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Project No. D933S006
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Resolved
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D933X230
D933X900

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CROSSWALK - SPACE TWO 12" WHITE LINES AS SHOWN ON PLANS. CROSSWALK SHALL BE THERMOPLASTIC PAVEMENT MARKING MATERIAL.

NOTES:

1. LOCATE STOP BARS 10' BACK OF THE EXTENDED FOG LINE, EDGE OF PAVEMENT, OR CURB FACE. VERIFY SIGHT DISTANCE.
2. LOCATE CROSSWALKS AS PER WHEELCHAIR RAMP LOCATIONS OR 5' BACK OF EXTENDED FOGLINE, EDGE OF PAVEMENT OR CURB FACE.

3. ALL THERMOPLASTIC PAVEMENT MARKING MATERIAL SHALL BE INSTALLED PER SECTION 850 OF THE ODOT STANDARD SPECIFICATIONS FOR HWY. CONSTRUCTION

4. ALL PAVEMENT MARKING SHALL BE DOUBLE COATED AND SHALL CONFORM TO THE MOST CURRENT ODOT SPECIFICATION FOR BEAD BINDER PAINT. COPIES OF THE MATERIALS SPECIFICATIONS ARE AVAILABLE FROM:

ENGINEER OF MATERIALS AND RESEARCH
HWY. MATERIALS LABORATORY
600 AIRPORT ROAD S.E.
SALEM OR. 97310
(503) 986-3100

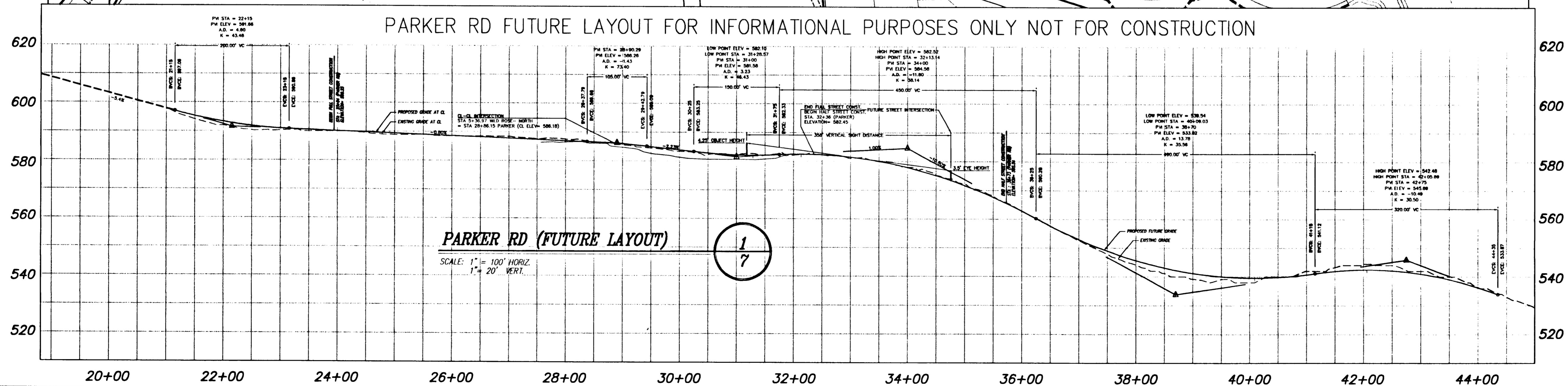
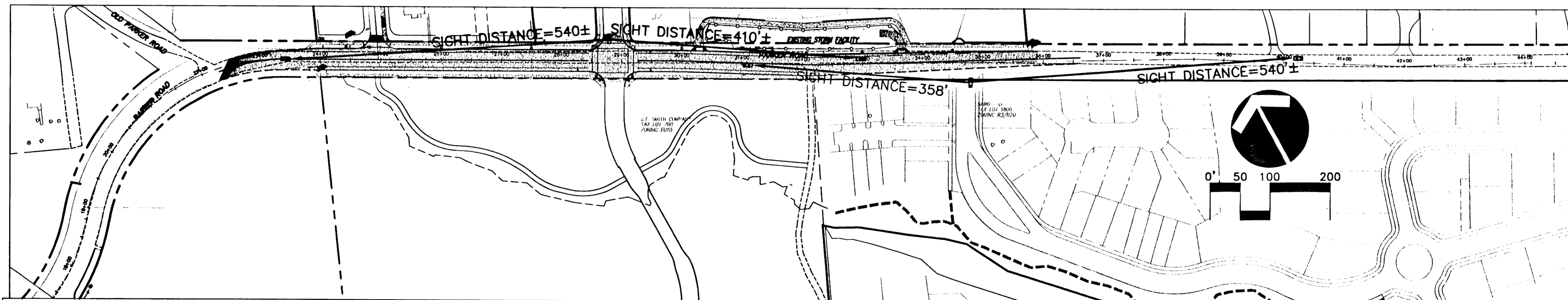
BICYCLE LANE MARKING - SEE
ODOT BIKE LANE STENCIL STD.

* LANE MARKING DIMENSION LOCATION
AT C OF STRIPING UNLESS NOTED
OTHERWISE.

SIGNAGE KEYNOTES:

MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

- ① STOP SIGN - MUTCD DETAIL #R1-1 (30" x 30")
- ② ROAD NARROWS SIGN - MUTCD DETAIL #W5-1 (36" x 36")
- ③ BIKE LANE BEGINS SIGN - MUTCD #M4-11 (12" x 4") POSTED ON TOP OF MUTCD #R3-17 (24" x 30")
- ④ BIKE LANE ENDS SIGN - MUTCD #M4-12 (12" x 4") POSTED ON TOP OF MUTCD #R3-17 (24" x 30")



Date _____
WJK/SAS
Designed _____
WJK
Drawn _____
SAS 127-01
Checked By _____ Date _____

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Fax: (503) 557-1294

Parker Road II

*STREET IMPROVEMENTS
CITY OF WEST LINN, OREGON
STRIPING PLAN / DETAILS
OVERALL STREET PROFILE*



otak
Incorporated

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Lake Oswego, Oregon 97035
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FAX: (503) 635-5395

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File No.
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ASBUILT SET DECEMBER 7, 2001

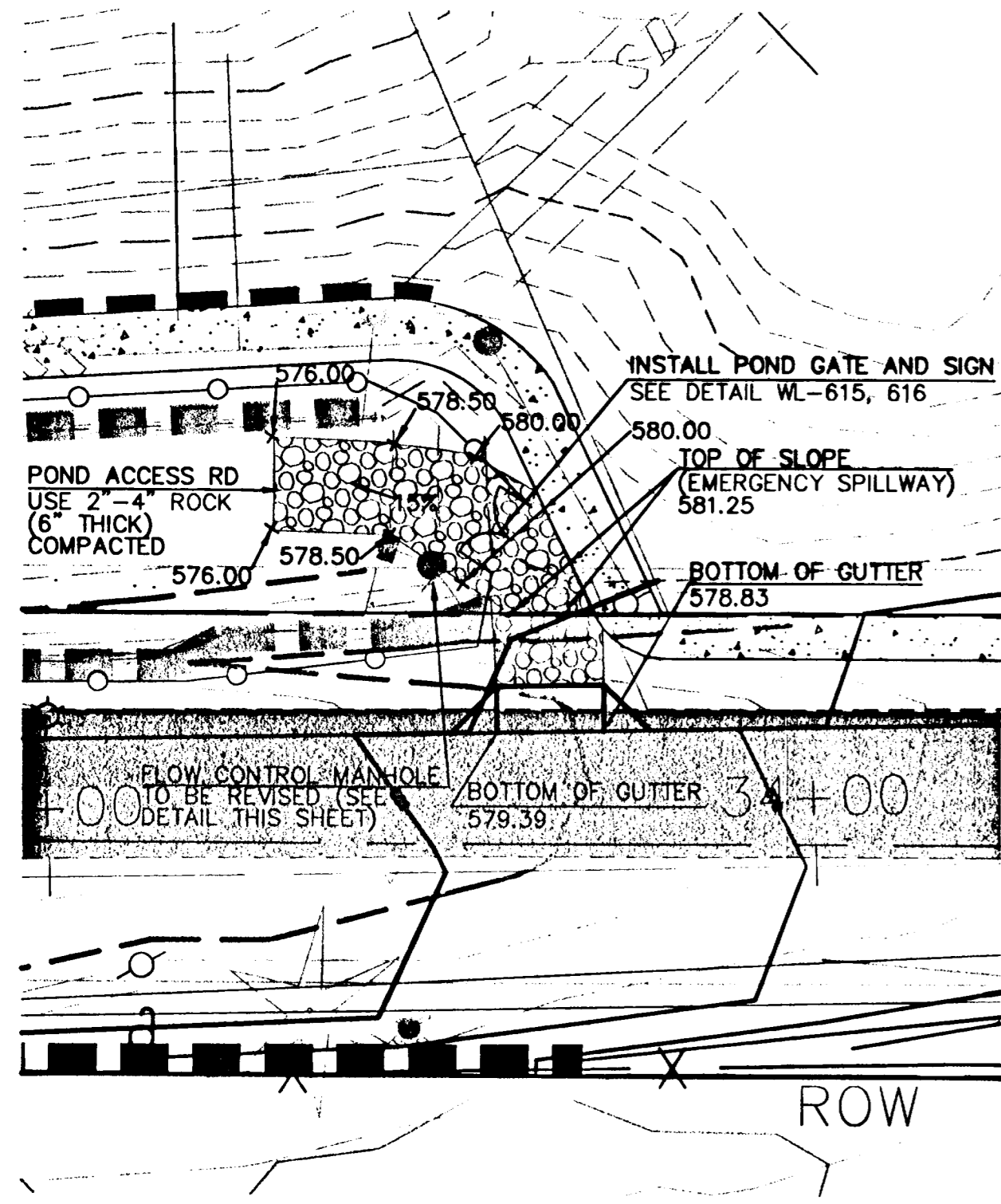
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MODULAR
SECTION1
SPLITTERMH

Unresolved
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S933B191

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POND ACCESS DRIVEWAY

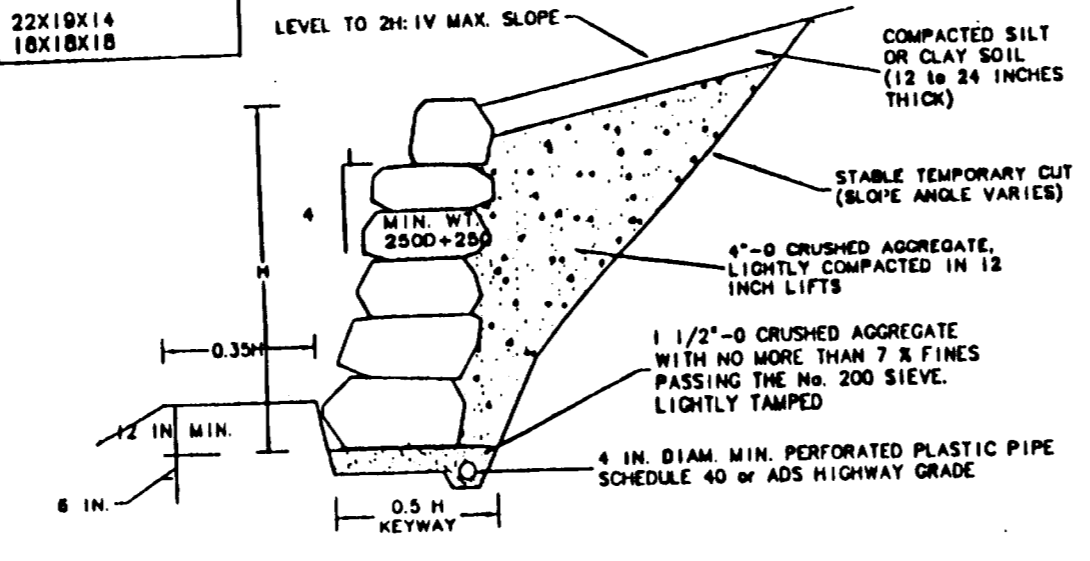
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ROCK SIZE SCHEDULE

H(FT)	MIN.WT.(LBS.)	TYPICAL SIZE (IN.)
5	1,500	34X26X18 25X25X25
3	1,000	28X25X16 22X22X22
1	500	22X19X14 18X18X18

ROCKERY WALL DESIGN

MAXIMUM WALL HEIGHT (5) FEET
DRAWING NOT TO SCALE

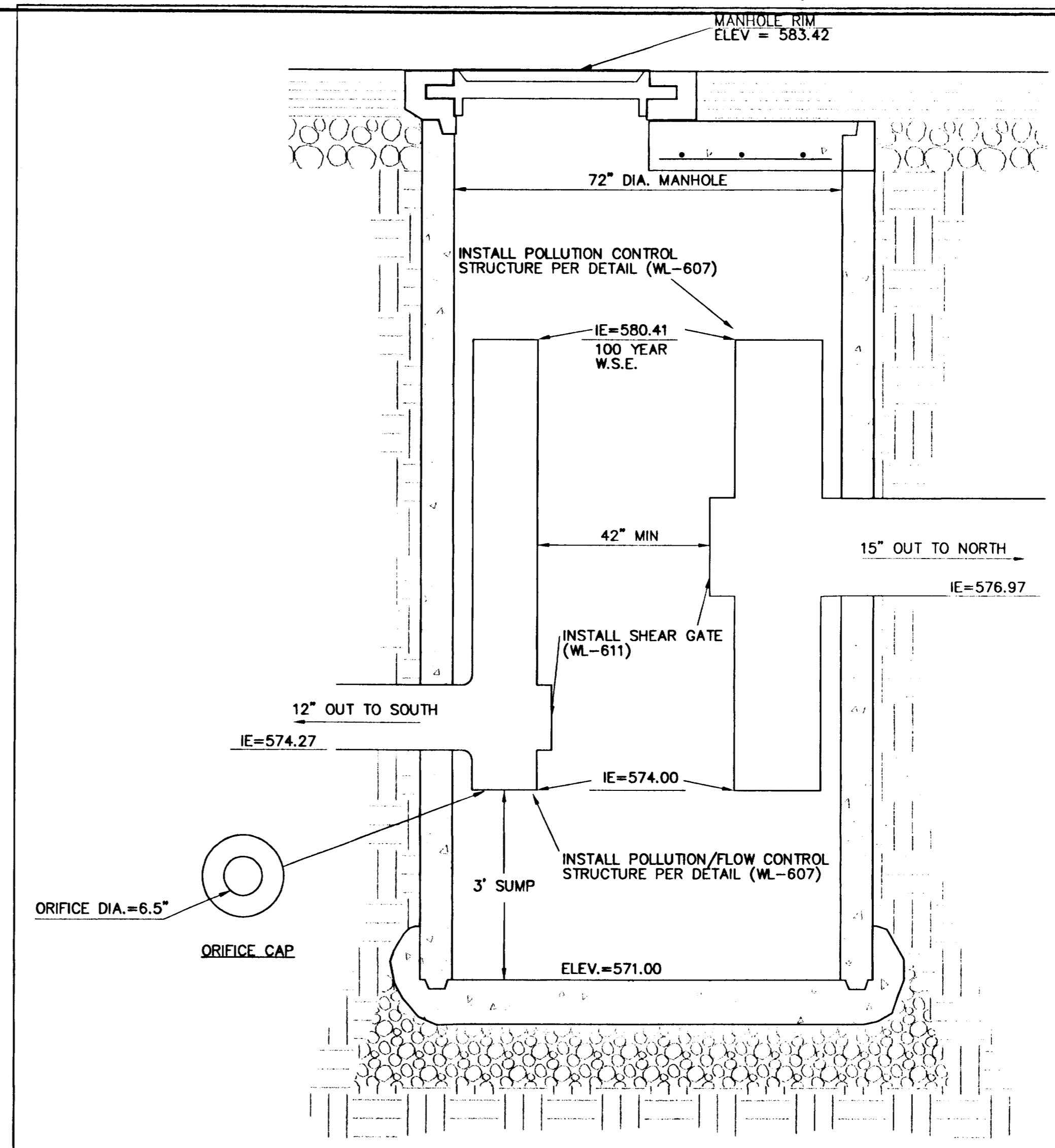


CONSTRUCTION NOTES

1. For walls supporting engineered fill, the fill should be overbuilt and the wall constructed against an excavation into already compacted fill.
2. Backfill should have a cubical, tabular, or semi-rectangular shape that roughly matches the space created by the previous rock compacted fill.
3. Vertical joints should be staggered such that each rock bears on at least two rocks below and vertical joints are discontinuous. Rock face. Rocks should be staggered such that each rock bears on the top of each rock with excavator bucket.
4. The top and wall face should be checked by lightly hammering on the top of each rock with excavator bucket.
5. Minimum rock sizes should be determined using the ROCK SIZE SCHEDULE above, where N is the nominal height of the wall from the base of the rock to the top of the wall. Rocks should be no smaller than 500 lbs.
6. Backfill should be placed in layers no thicker than 12 inches wide where there is no contact between adjacent rocks should be chinned with a small rock.
7. Backfill on top of the rocks should consist of an average 12-in.-wide shell 4"-6" aggregate with no more than 7% fines.
8. Backfill behind the wall should be placed in lightly compacted to an underlying state in 12 inch lifts.
9. Backfilling the U.S. Standard No. 200 sieve. Backfill should be placed in lightly compacted to an underlying state in 12 inch lifts.
10. Each course of rocks is placed.

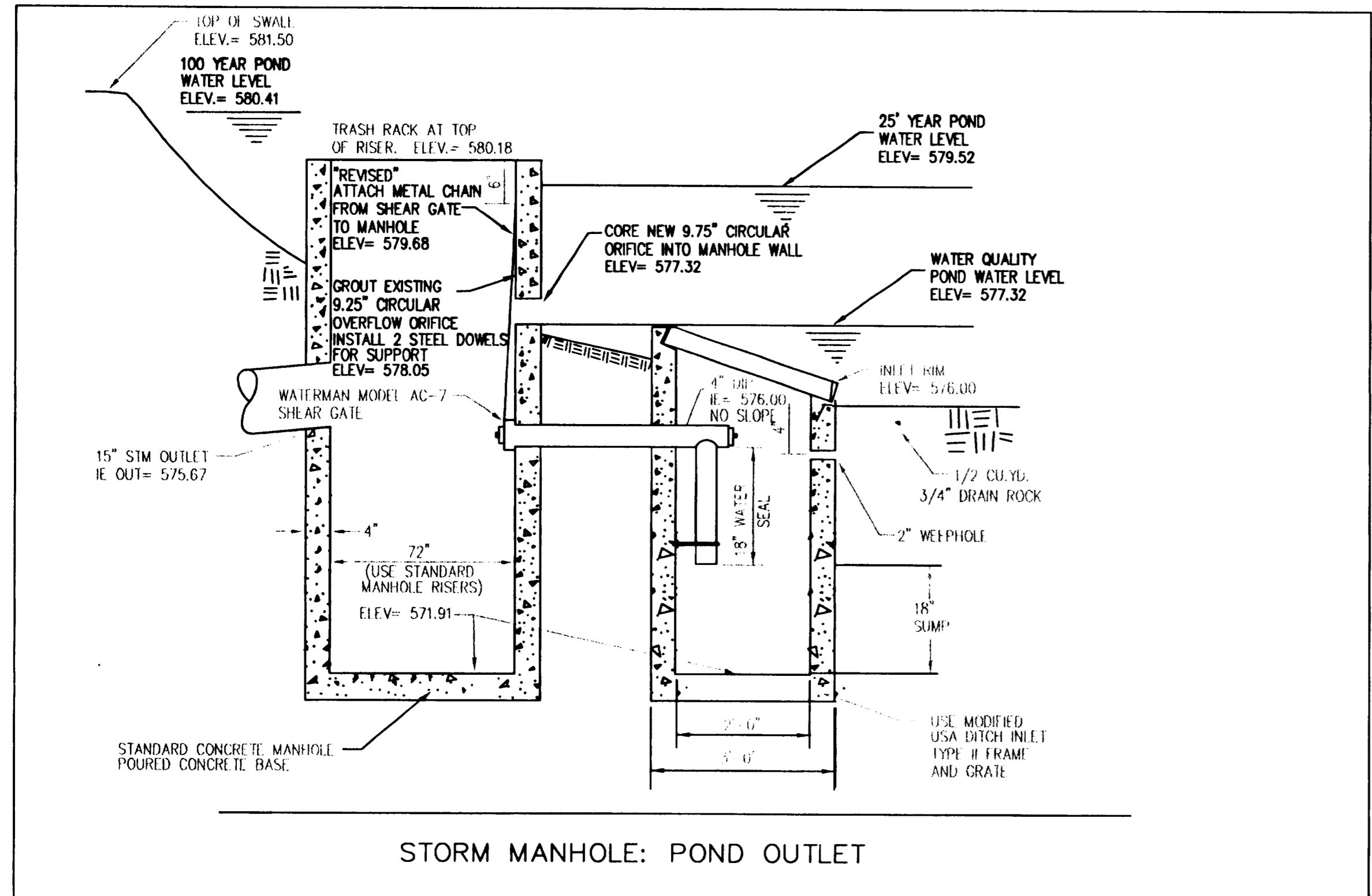
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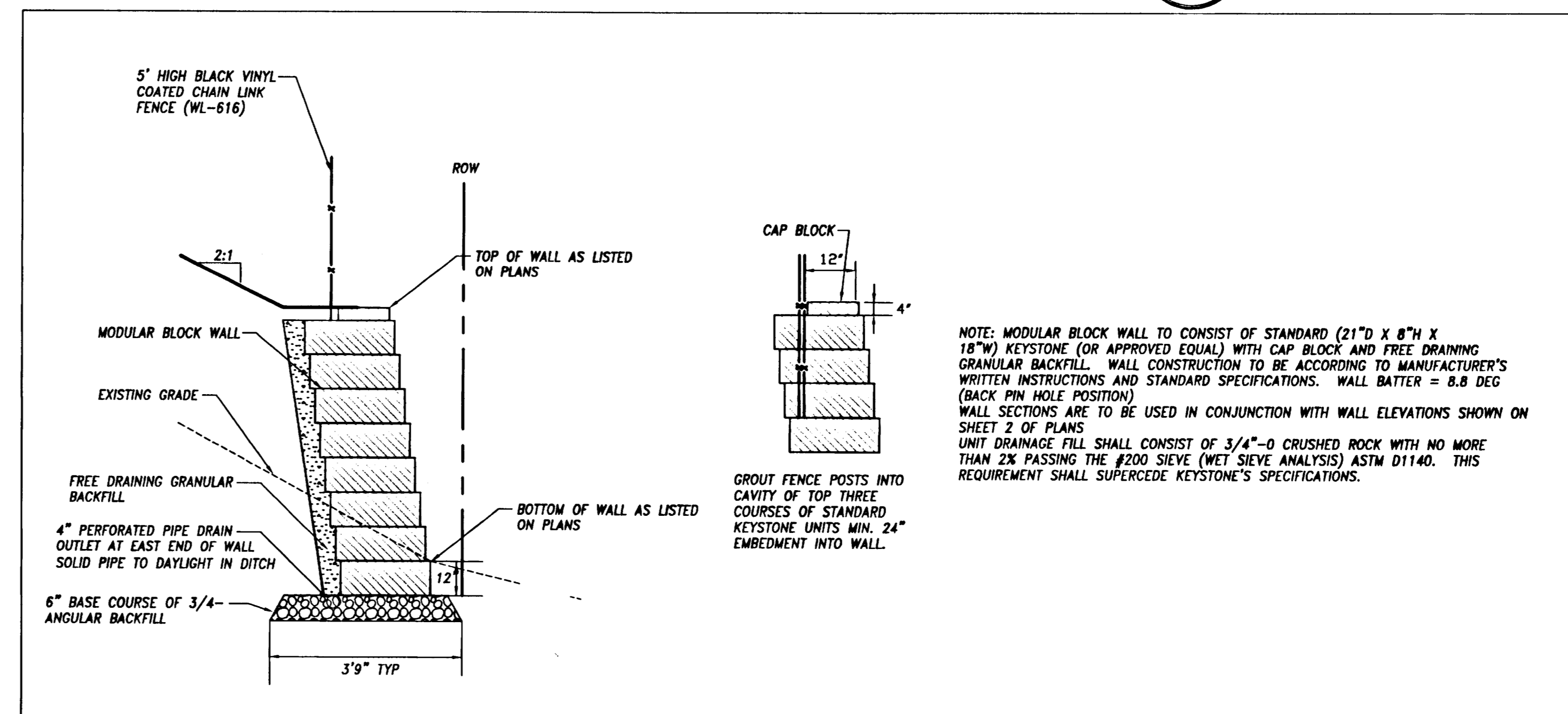
FLOW SPLITTER MANHOLE SDMH #4

SCALE: NO SCALE



FLOW CONTROL MANHOLE (REVISED)

SCALE: NO SCALE



MODULAR BLOCK WALL DETAIL

SCALE: NO SCALE

Date _____
WJK/SAS
Designed _____
WJK
Drawn _____
SAS 12-7-01
Checked By Date _____



EXPIRES: 06/30/2002

ESTATE

"AS-BUILT"

DATE 12-07-01 BY RDK

KOSS REAL ESTATE
22400 SALAMO RD.

KNOSS REAL
22400 SALAMO RD.
WEST LINN, OR 97068
Phone: (503) 557-1144
Fax: (503) 557-1294

Parker Road II
STREET IMPROVEMENT
CITY OF WEST LINN, OREGON
POND ENTRY PLAN AND CONTROL
MANHOLE MODIFICATION DETAIL



17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3618
FAX: (503) 635-5395

L9933
Project No.

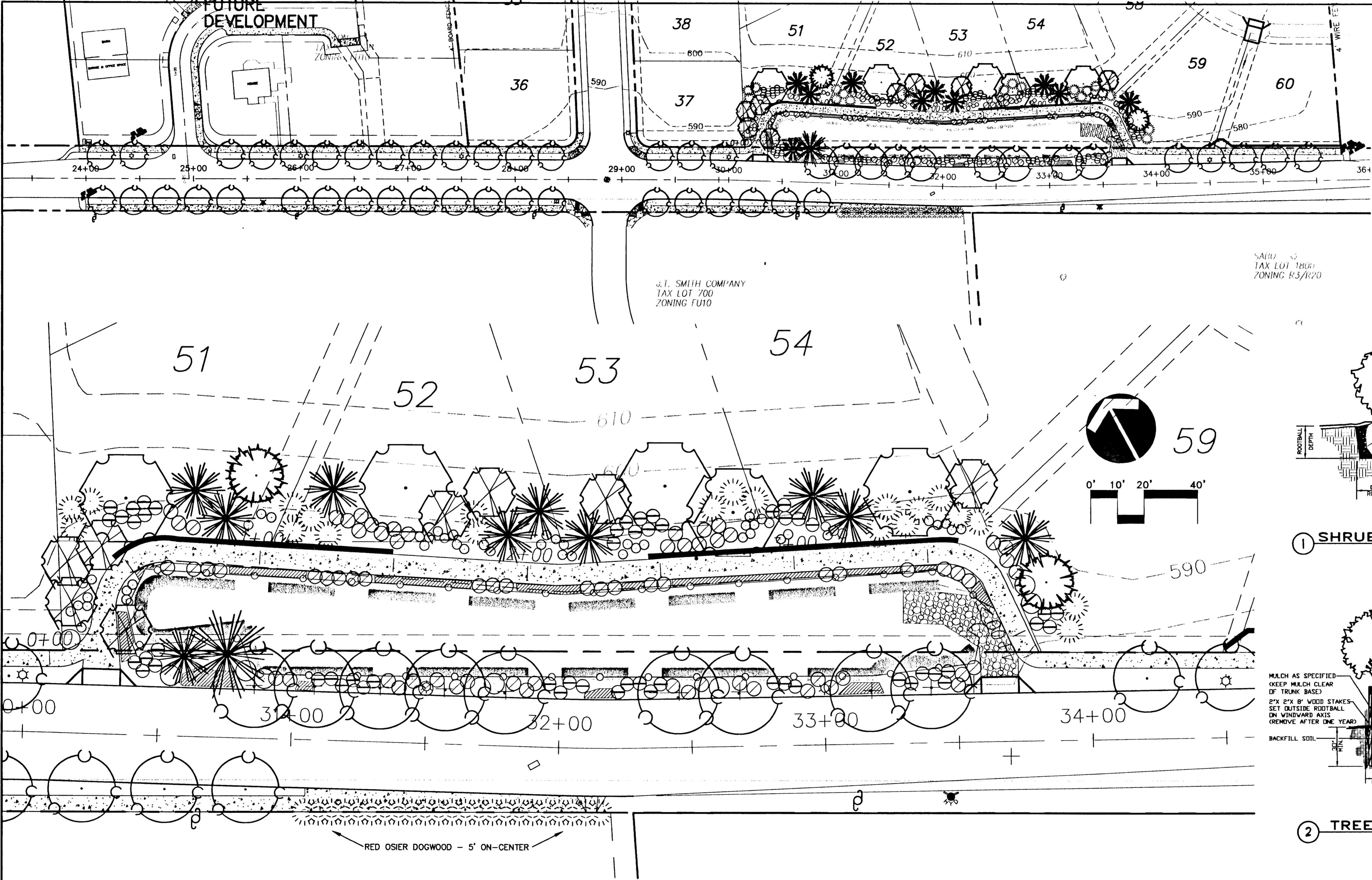
Project No. D933S008

8

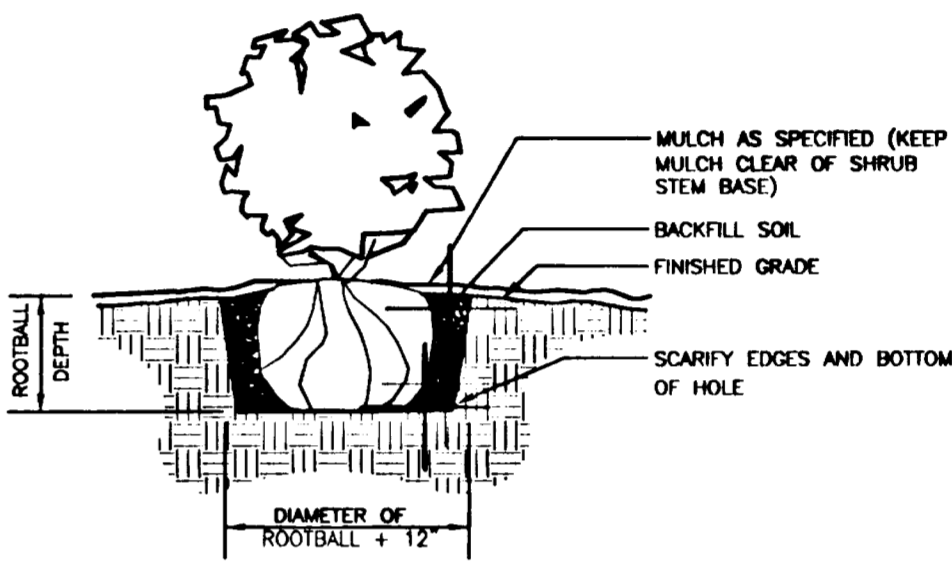
Sheet No.

ASBUILT SET DECEMBER 7, 2001

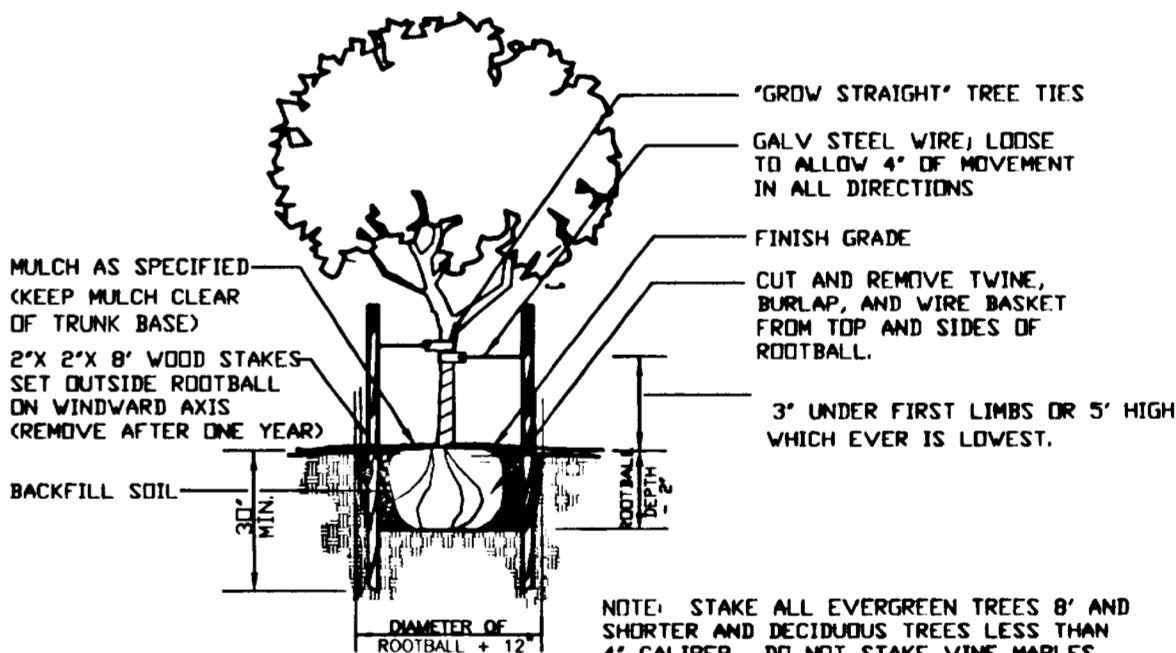
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D754X230
D933X001
D933X190
D933X230
D933X900



NOTES:
ALL PLANTING AREAS WILL BE WATERED UNTIL THE PLANTS HAVE ESTABLISHED.
PLANTING POCKET BACKFILL WILL INCLUDE 25% LEAF COMPOST MIXED WITH NATIVE TOPSOIL.
ALL PLANTING AREAS WILL BE TOP-DRESSED WITH A 2" LAYER OF MEDIUM BARK MULCH.



1 SHRUB PLANTING DETAIL NOT TO SCALE



2 TREE STAKING DETAIL NOT TO SCALE

PLANT LIST:
SYMBOL COMMON/BOTANICAL NAMES, SIZE AND CONDITION

- DOUGLAS FIR / PSEUDOTSUGA MENZIESII 6' TALL AND 12' TALL, B&B
- INCENSE CEDAR / CALOEDRUS DECURRENS 7-8' TALL.
-OR- WESTERN RED CEDAR / THUJA PLICATA 7-8' TALL
-OR- SHORE PINE / PINUS CONTORTA 7-8' TALL.
- WESTERN RED CEDAR / THUJA PLICATA 7-8' TALL.
- SKYLINE THORNLESS HONEYLOCUST / GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE' 3" CALIPER
- SKYLINE THORNLESS HONEYLOCUST / GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE' 2" CALIPER

- DOUGLAS HAWTHORN / CRATAEGUS DOUGLASII 5' TO 6' TALL, BRANCHED.
- RED OSIER DOGWOOD / CORNUS STOLONIFERA 15" TO 18", CONTAINER/B&B
- WESTERN SPIRAEA / SPIRAEA DOUGLASII 15" TO 18" CONTAINER
- RED FLOWERING CURRANT / RIBES SANQUINEUM 15" TO 18", CONTAINER
- OREGON GRAPE / MAHONIA AQUIFOLIUM 15" TO 18", CONTAINER

GROUND COVER: SALAL / GAULTHERIA SHALLON, 1 GAL CAN 3' OC.

2/9/01
Date
Designed
Drawn
Checked By Date

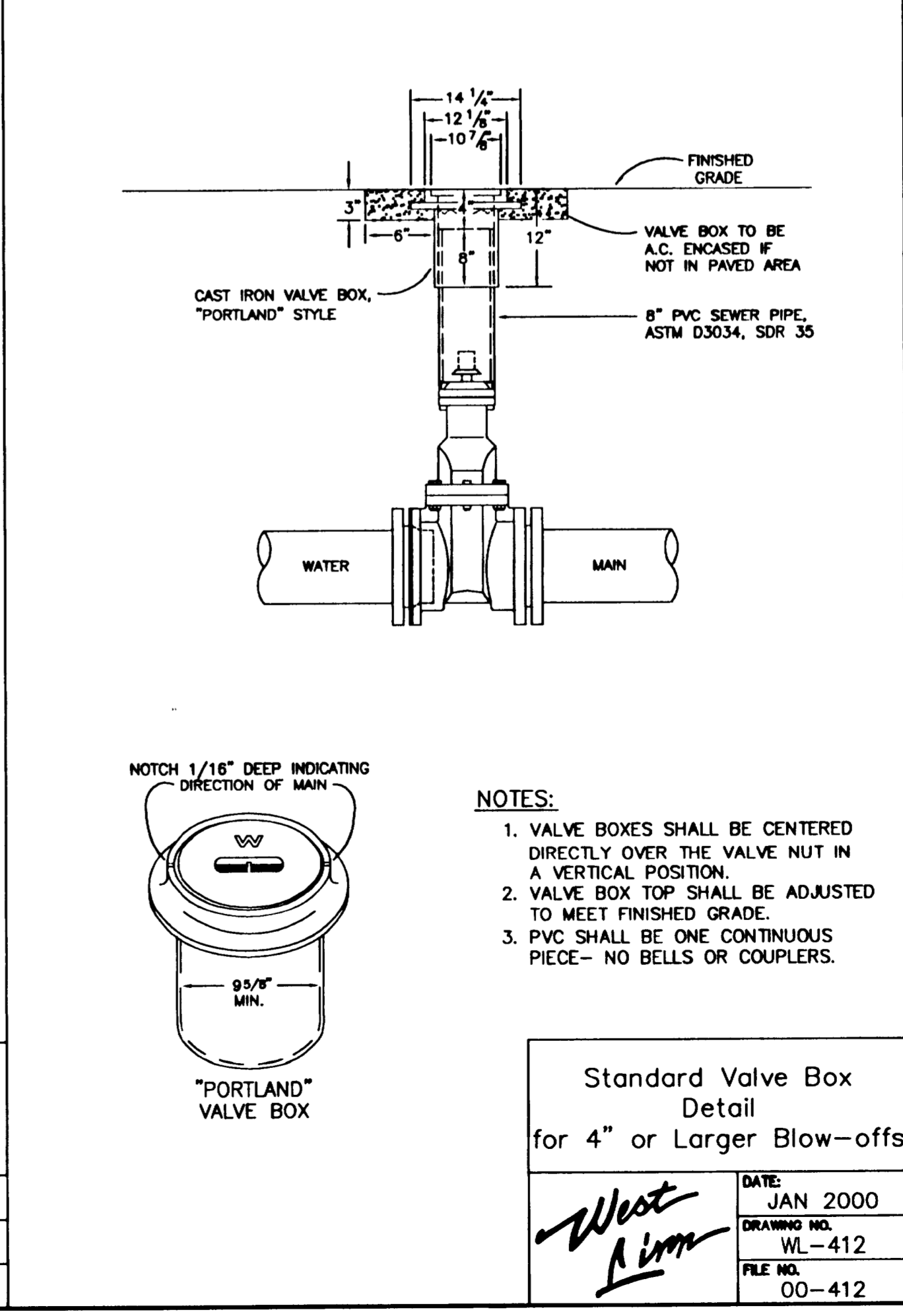
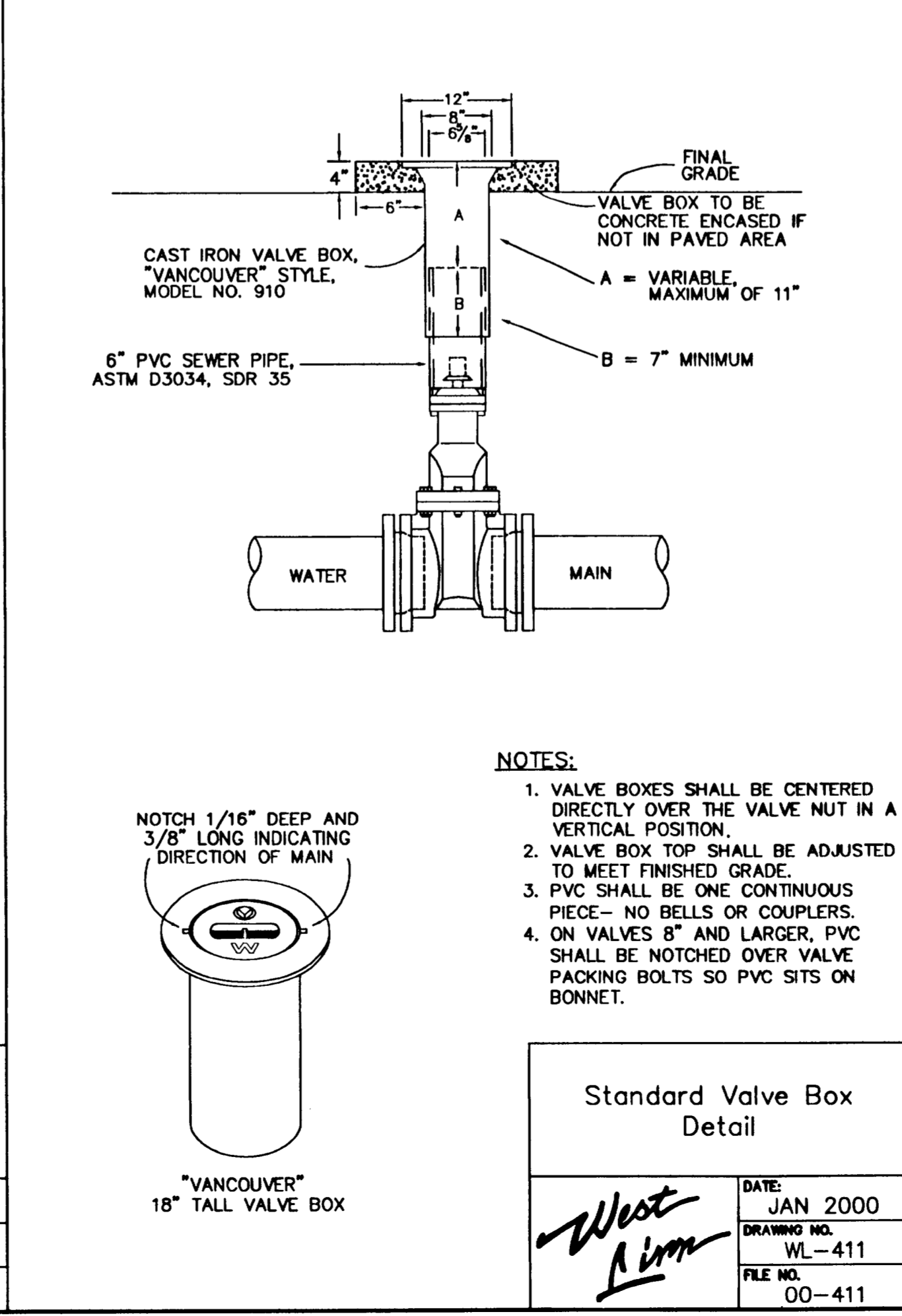
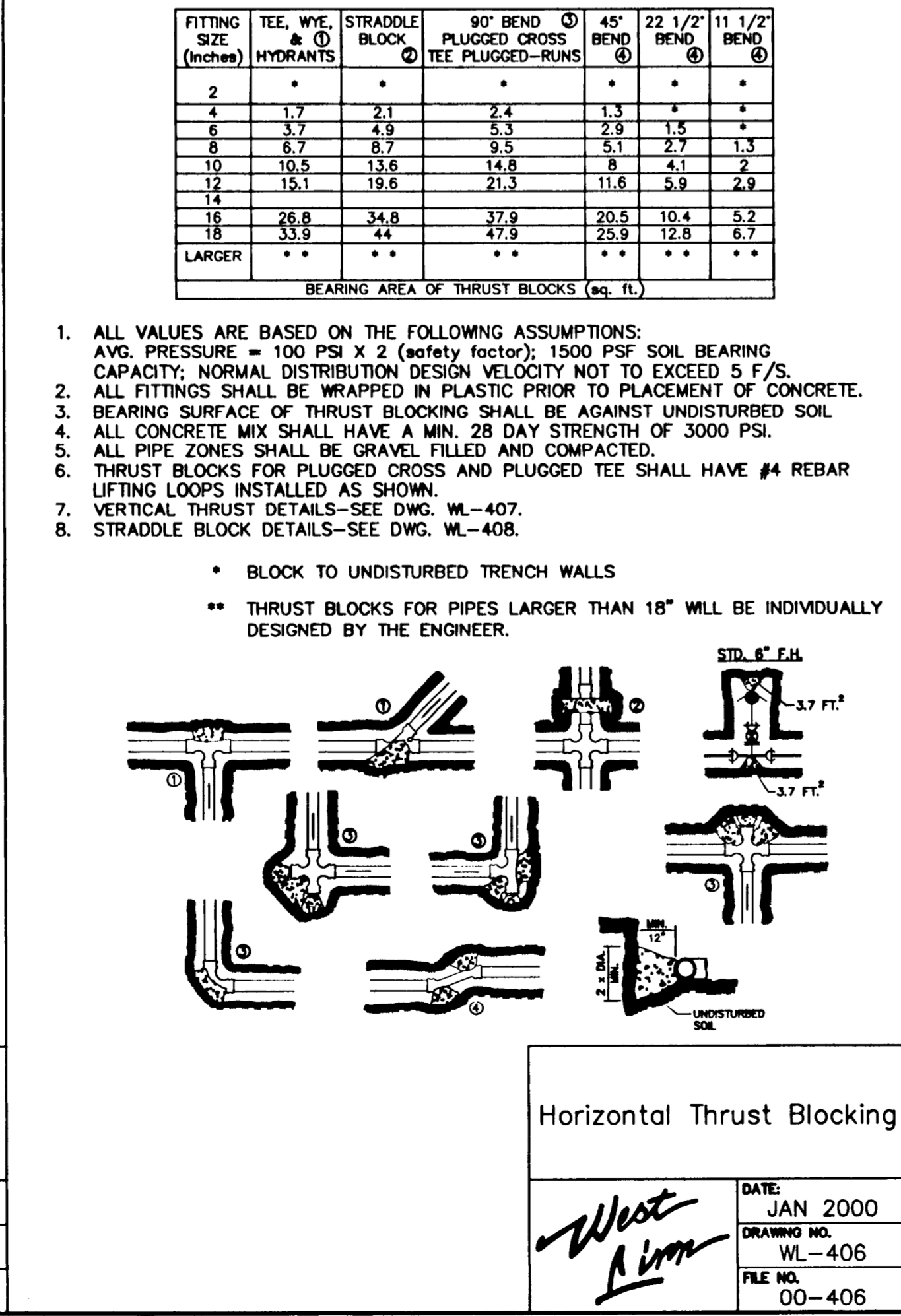
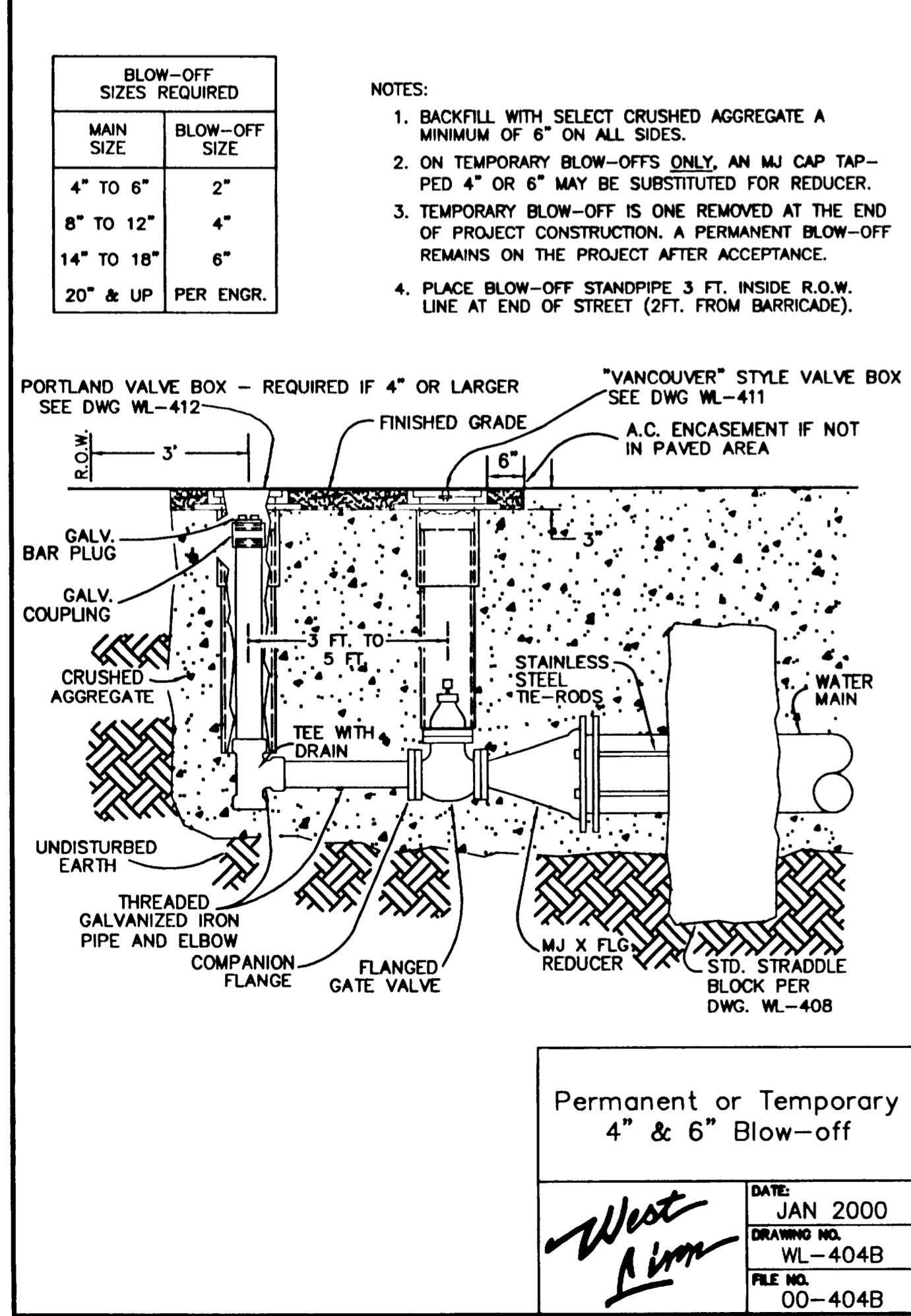
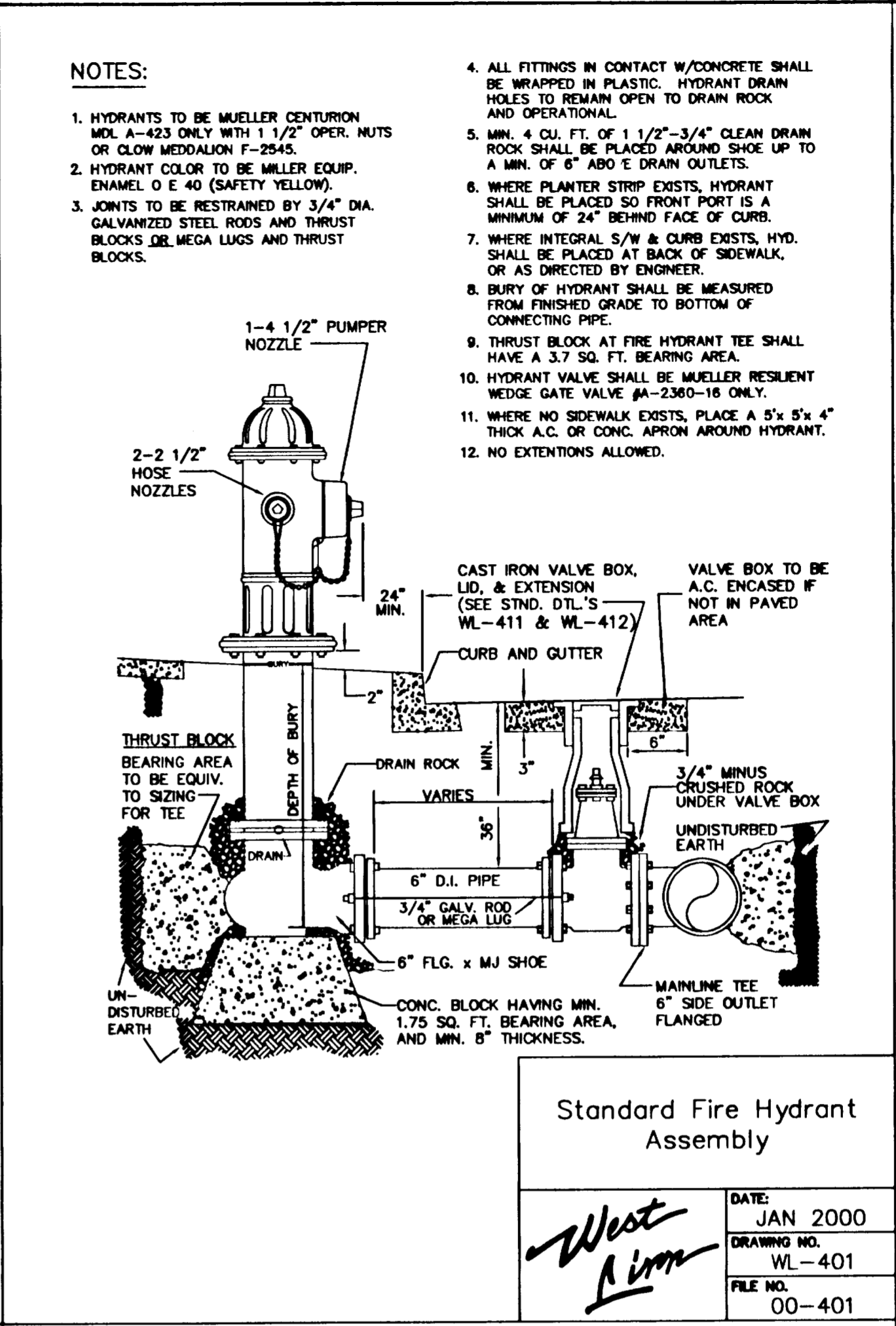
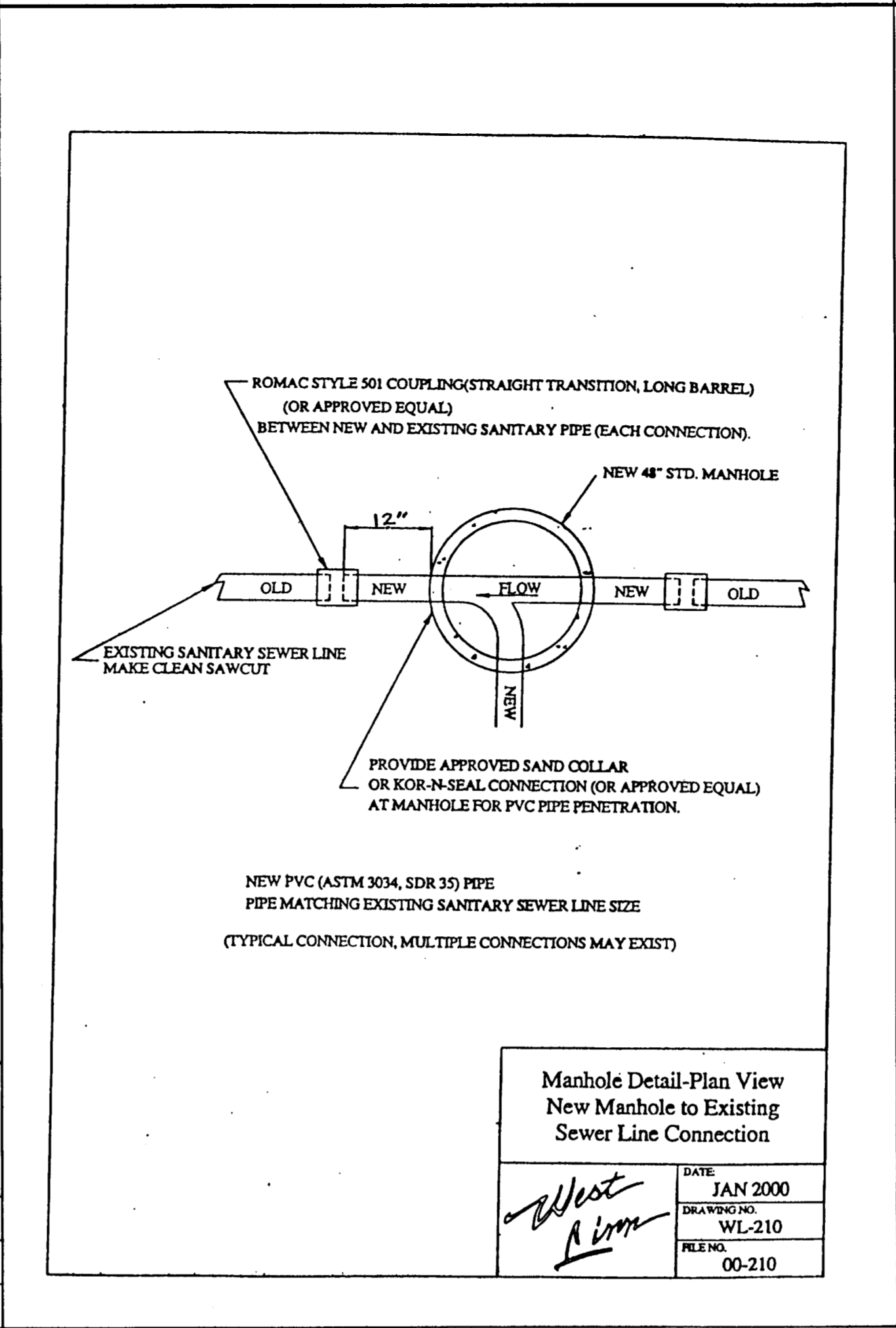
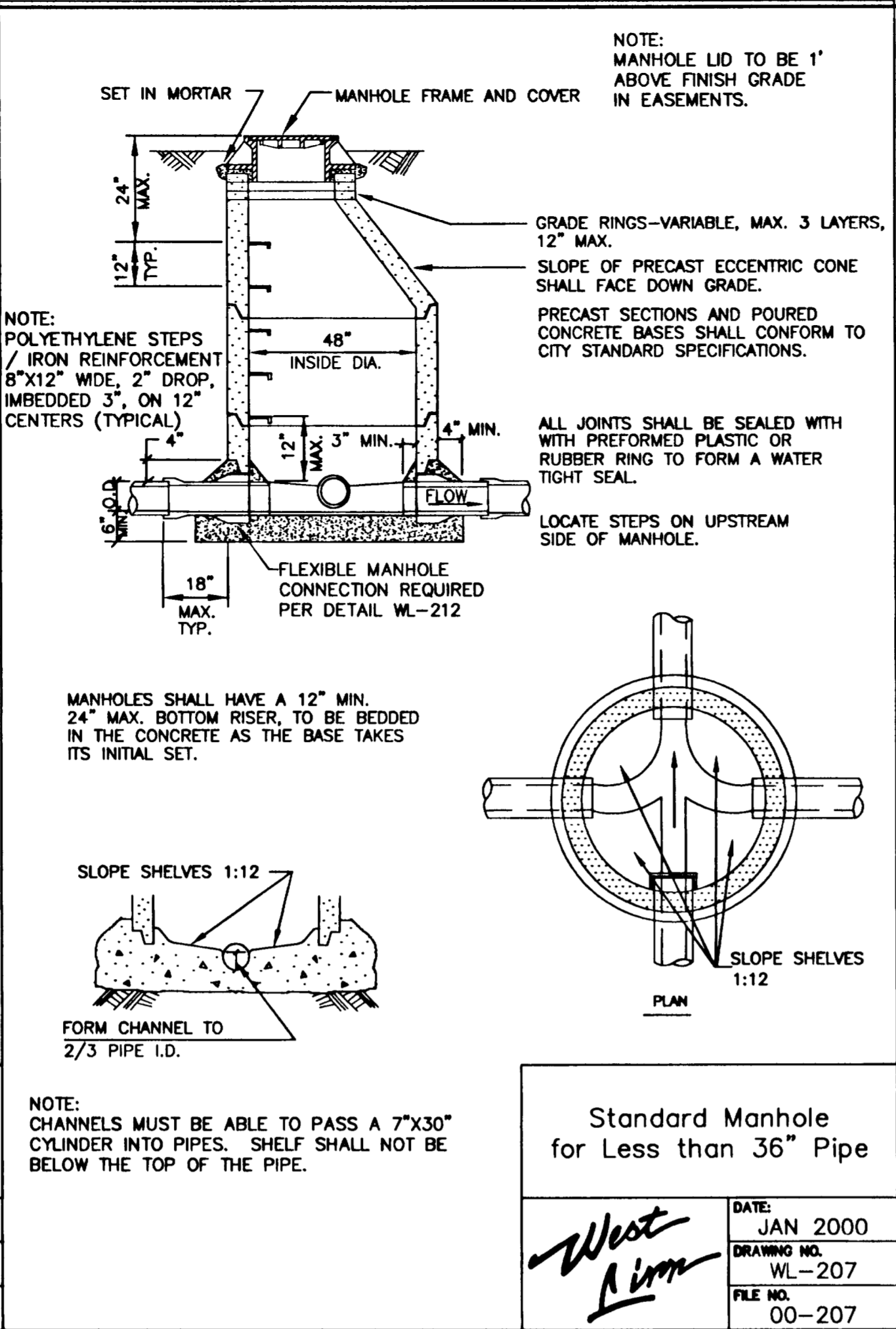
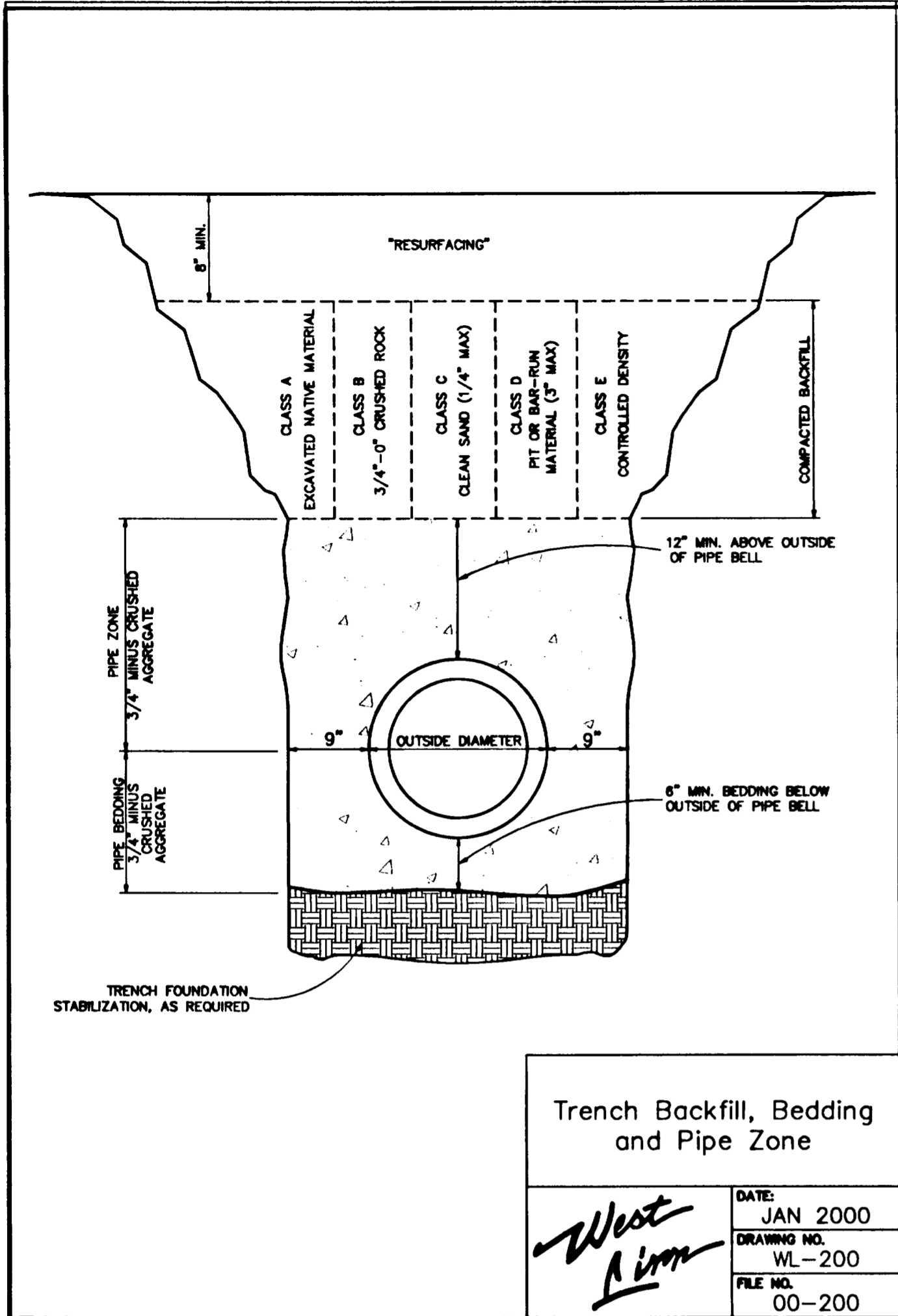
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WEST LINN, OR 97068
Phone: (503) 557-1144
Fax: (503) 557-1294

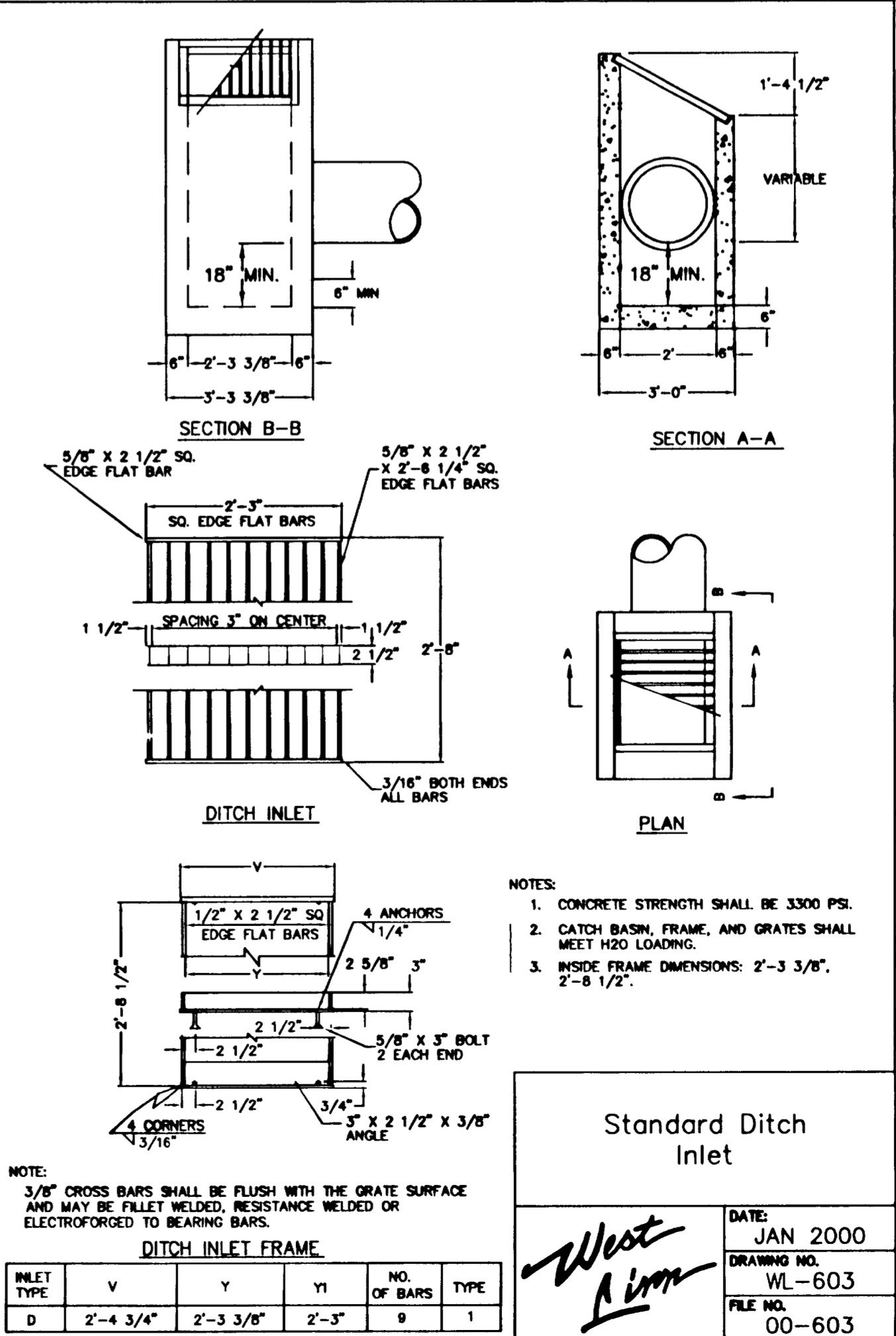
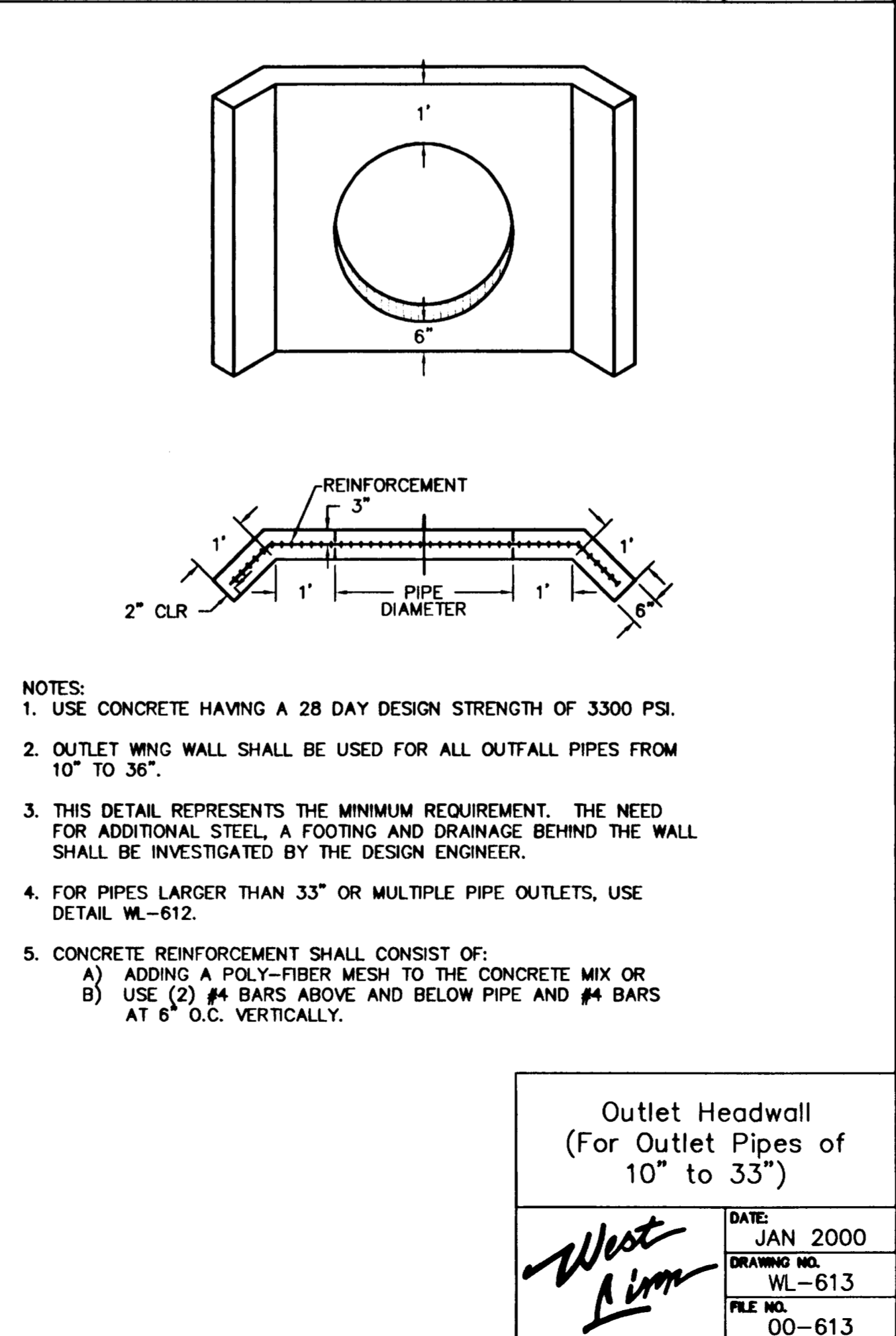
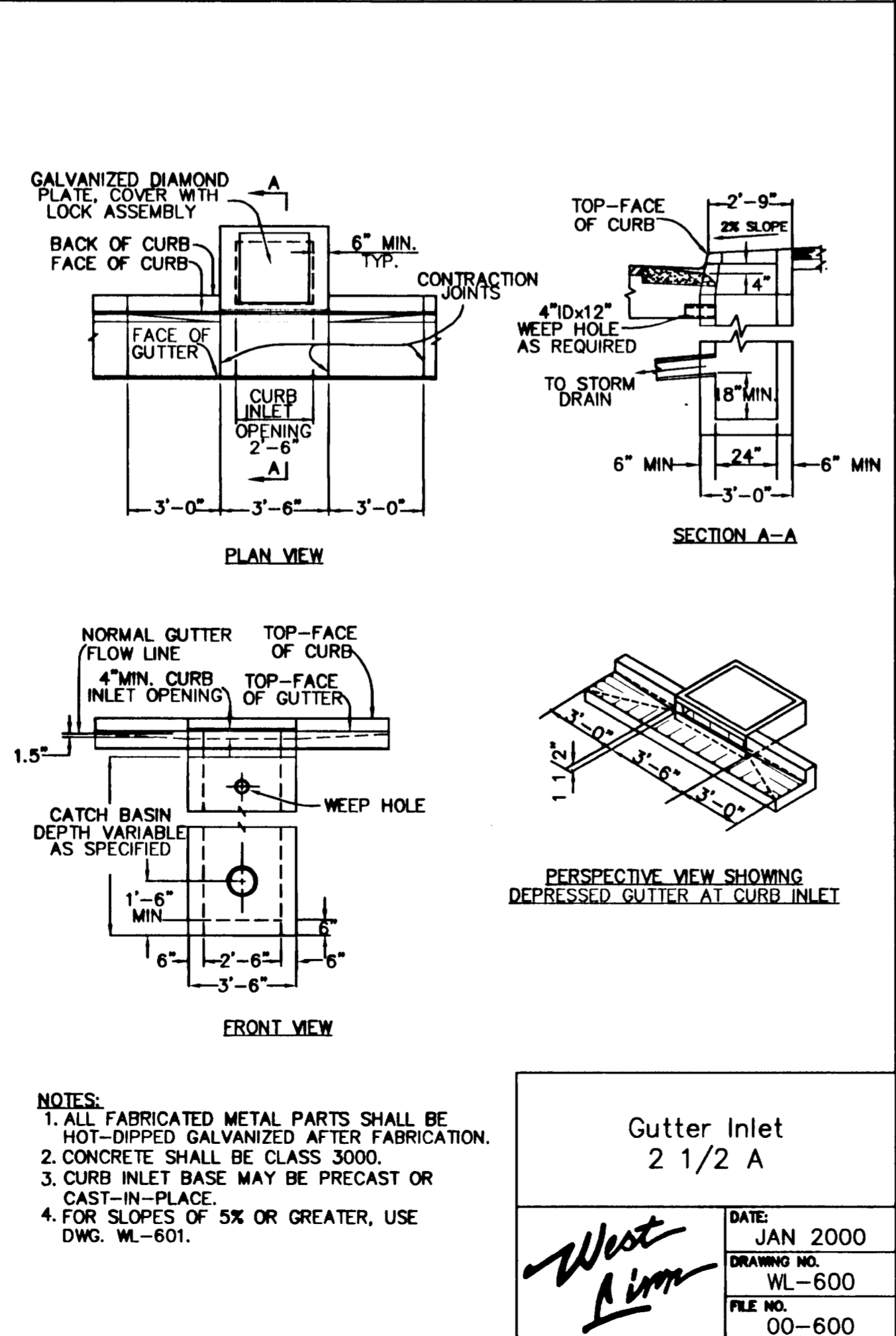
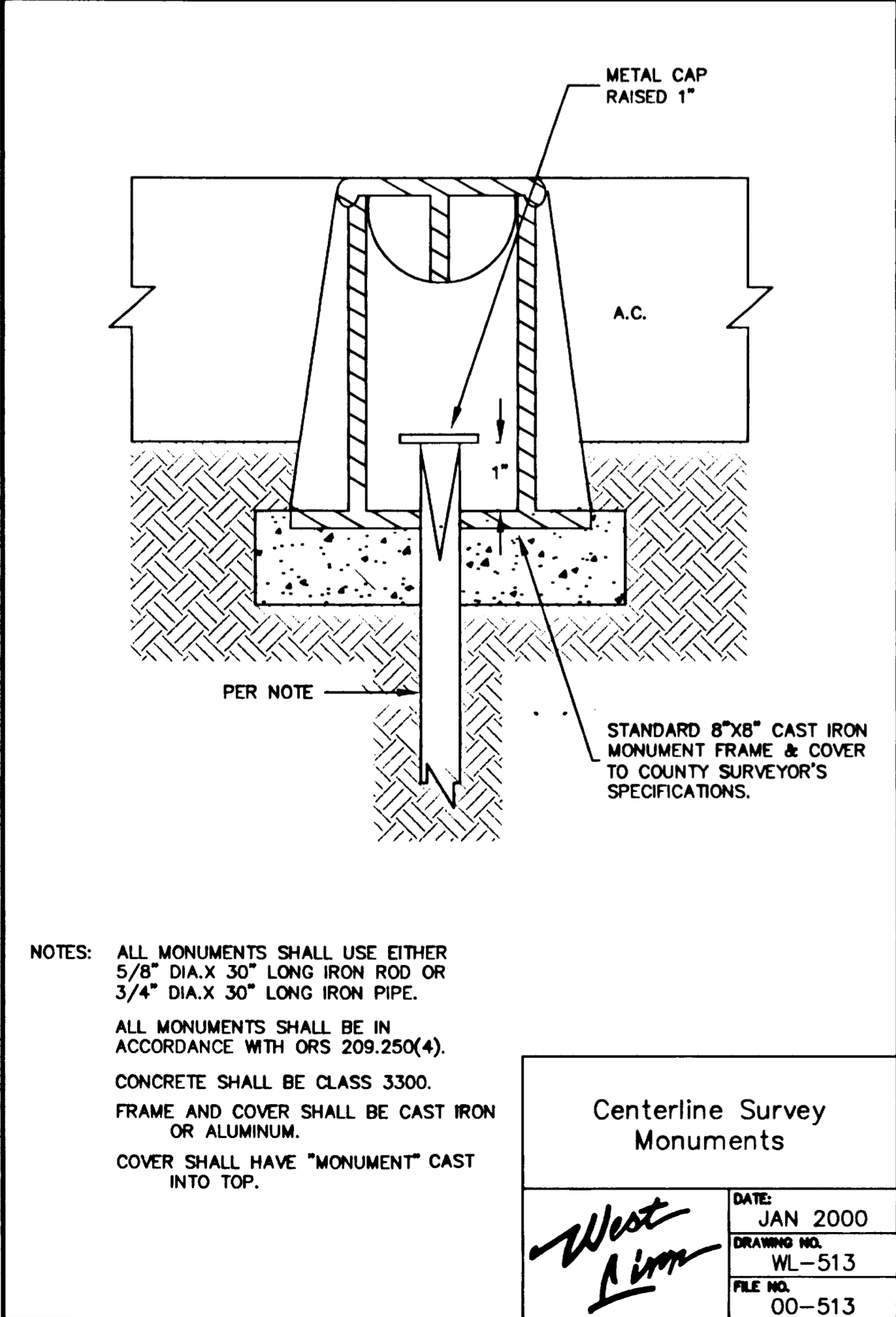
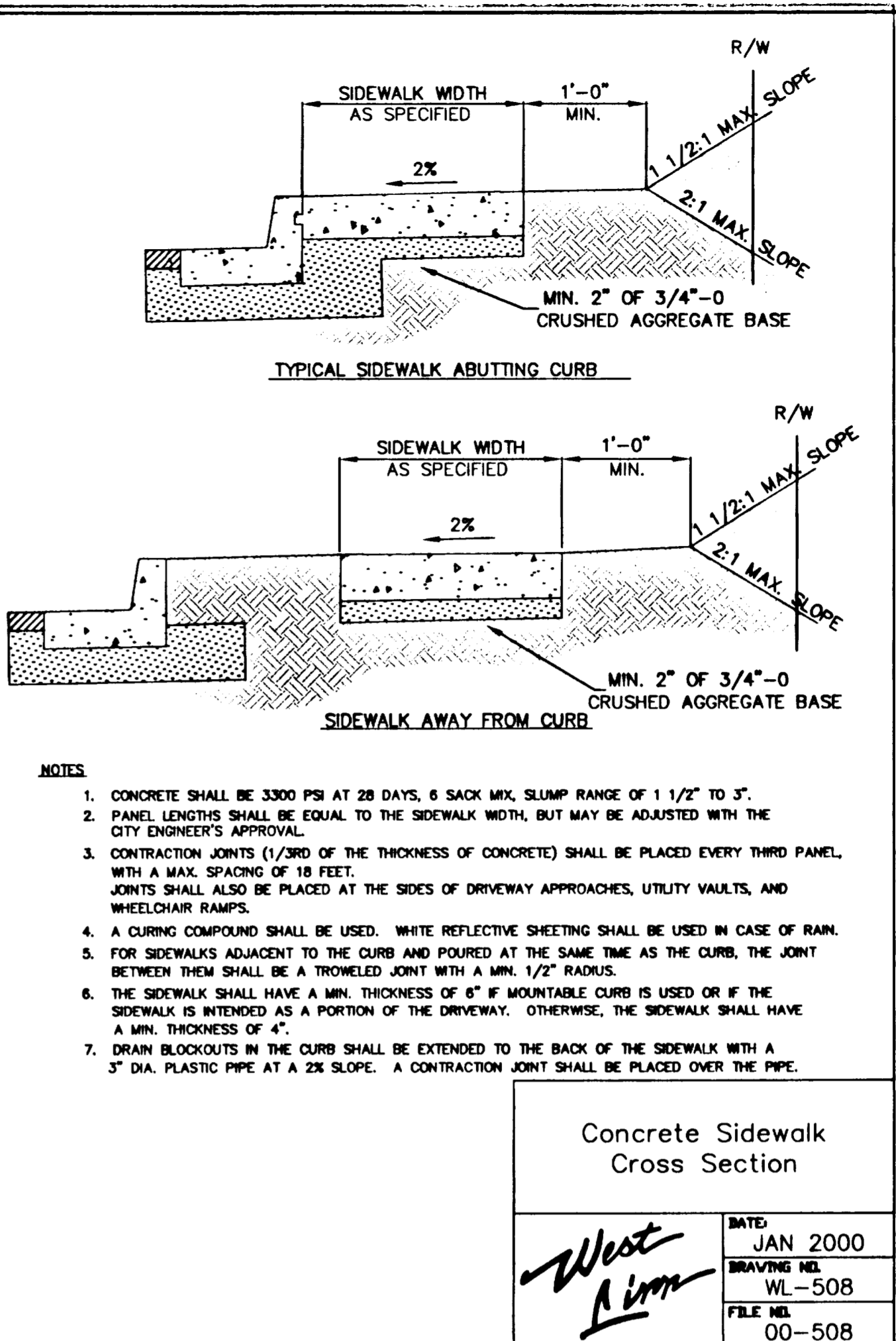
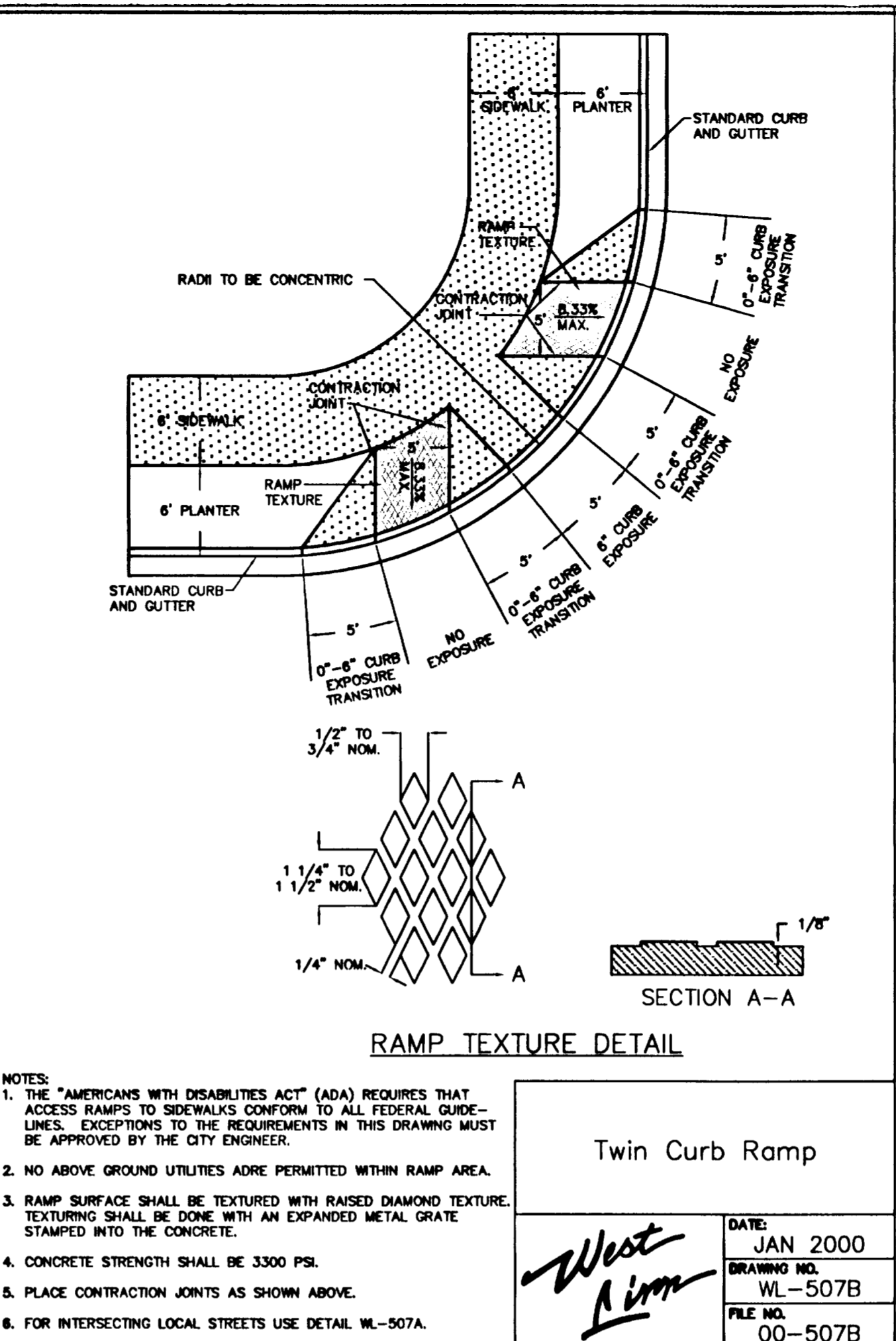
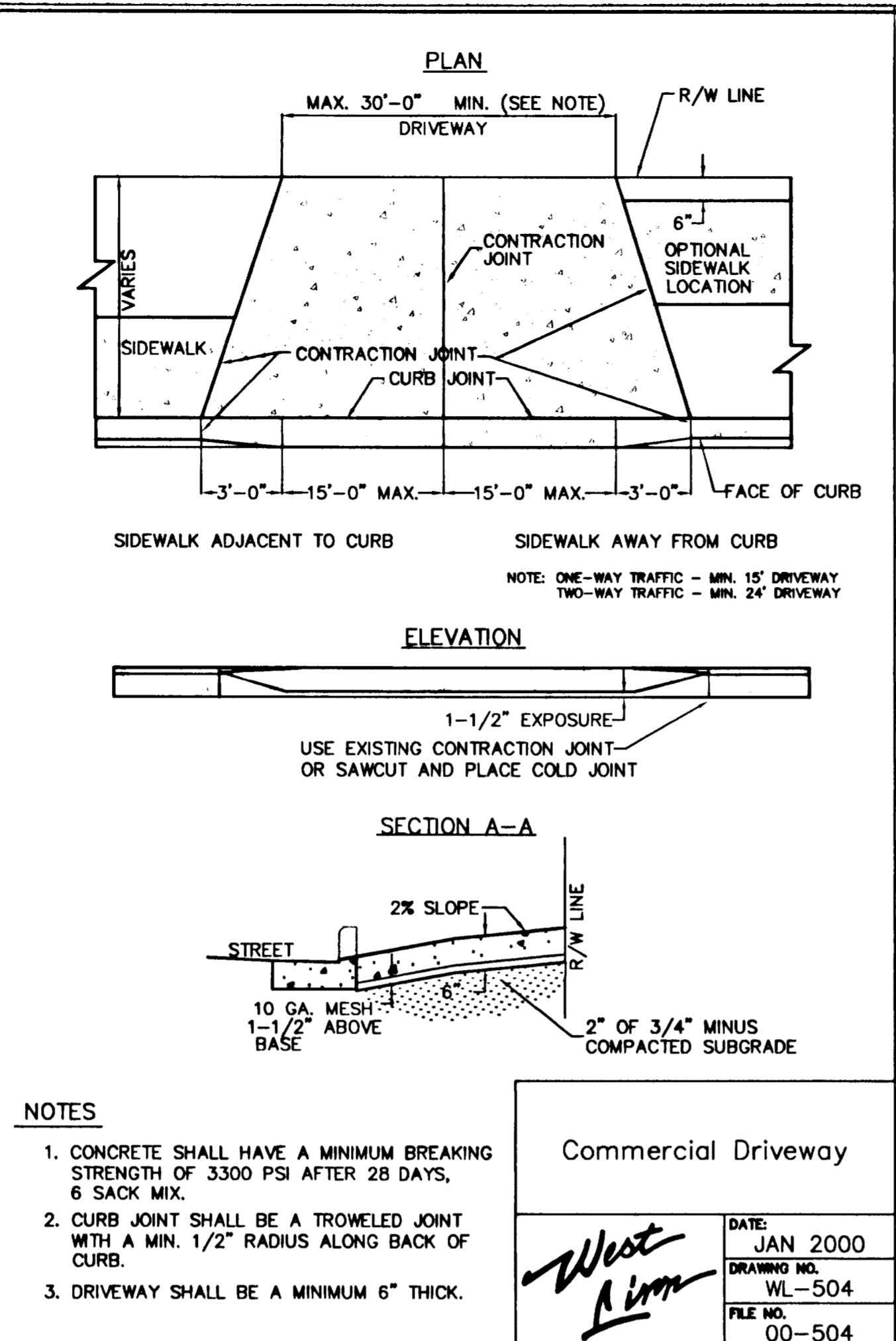
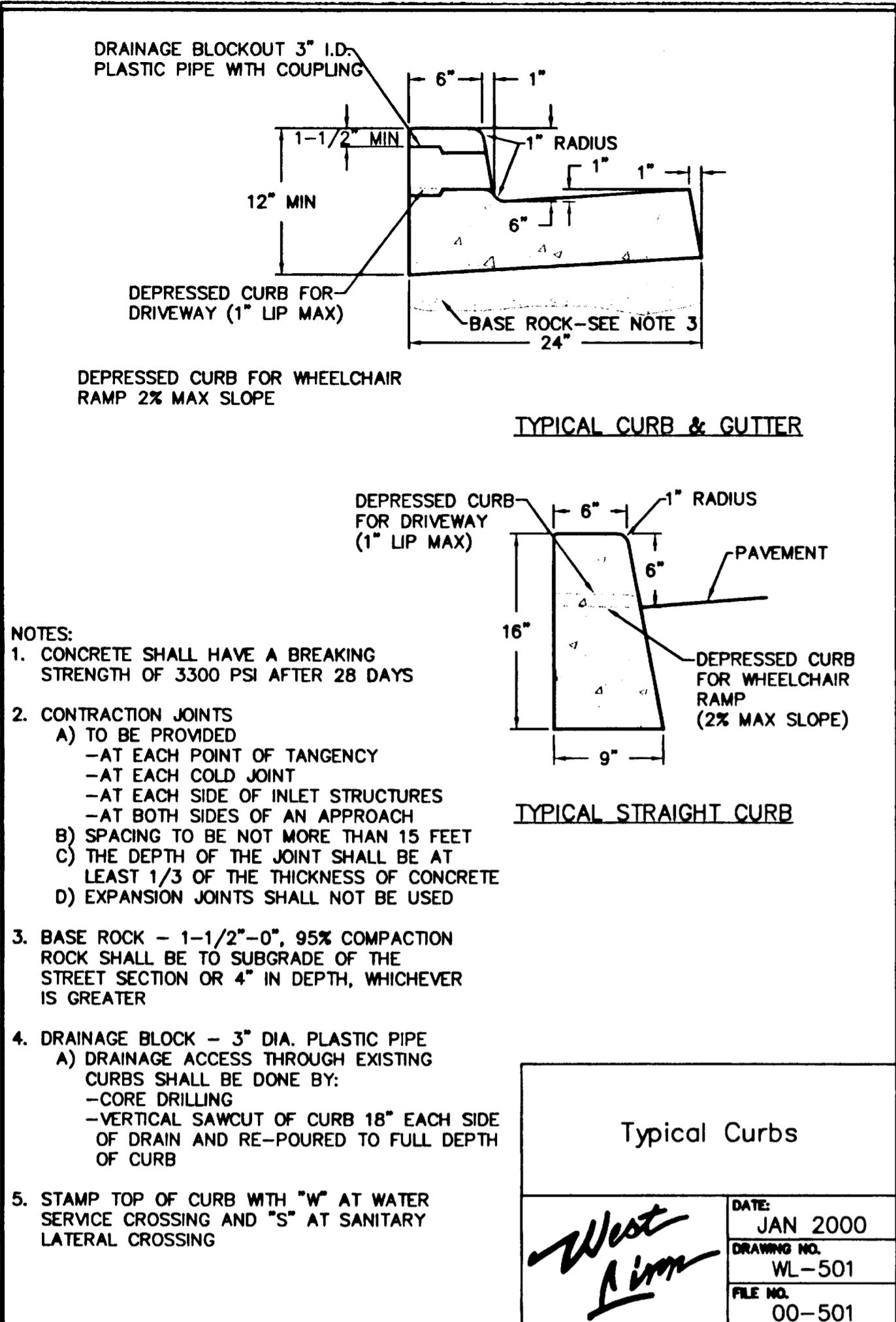
Parker Road II
HALF STREET
CITY OF WEST LINN, OREGON
LANDSCAPING PLAN

otak
Incorporated
17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3818
FAX: (503) 635-5395

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Project No.
D933S009
File No.
9
Sheet No.
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ASBUILT SET DECEMBER 7, 2001

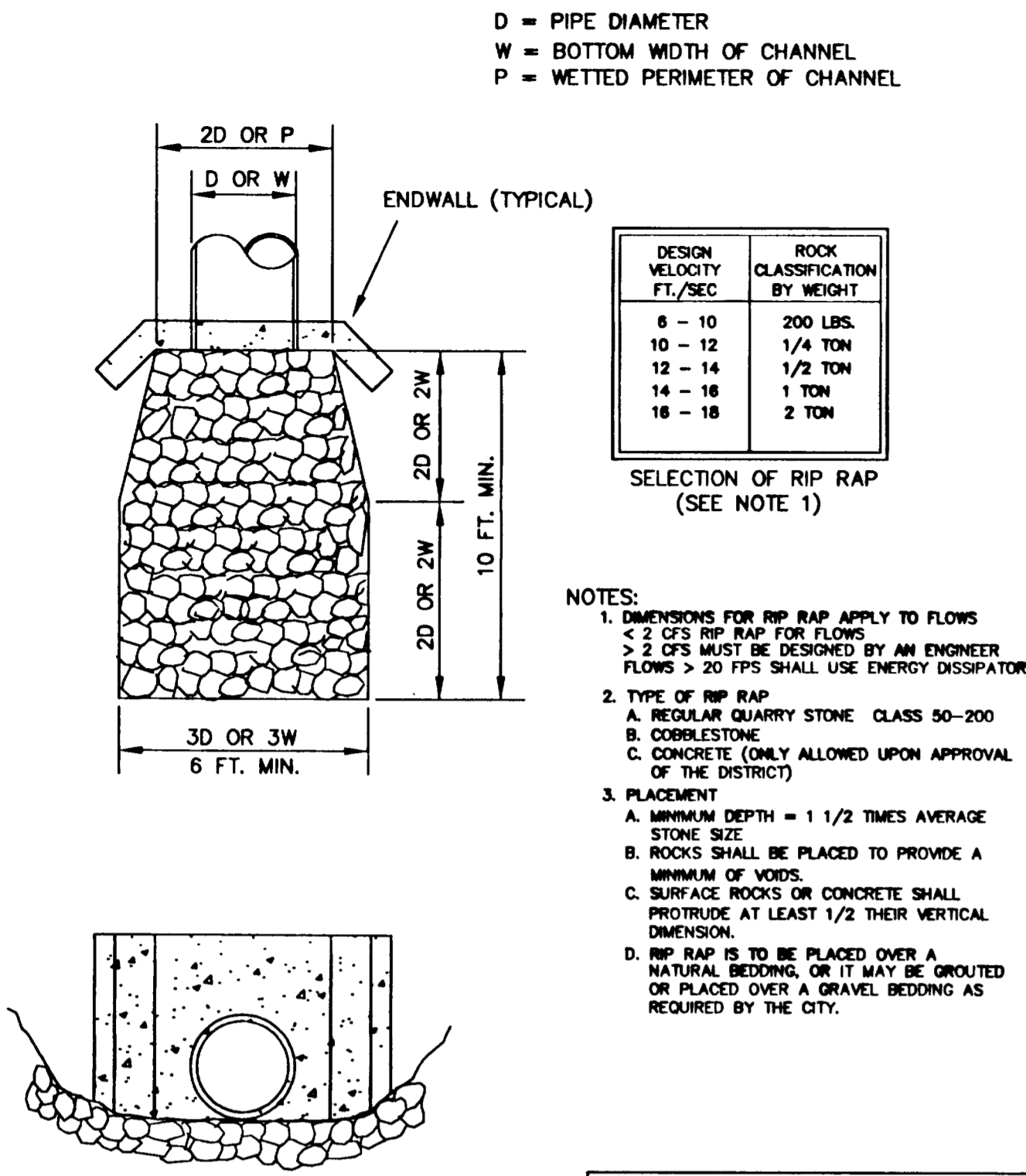




PROJECT LIST

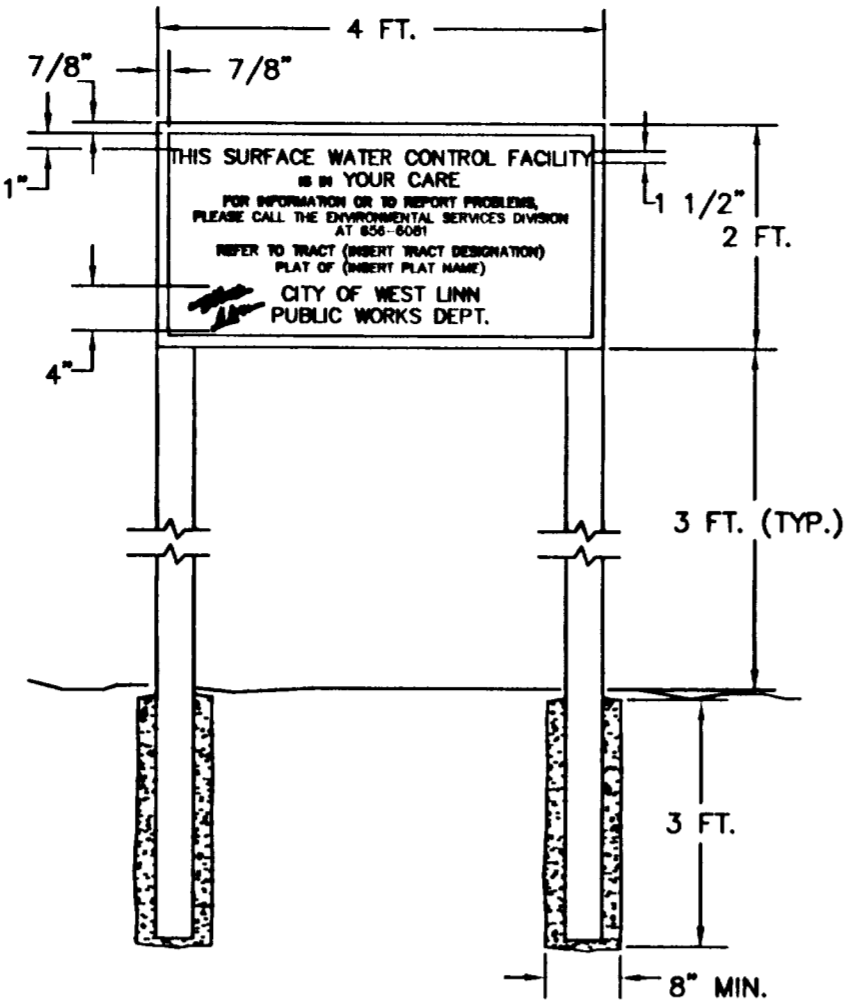
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Resolved
00-209
00-301
00-303
00-518
00-611
00-614
00-615
00-616
D933K001



Storm Sewer Outfall

DATE: JAN 2000
DRAWING NO. WL-614
FILE NO. 00-614

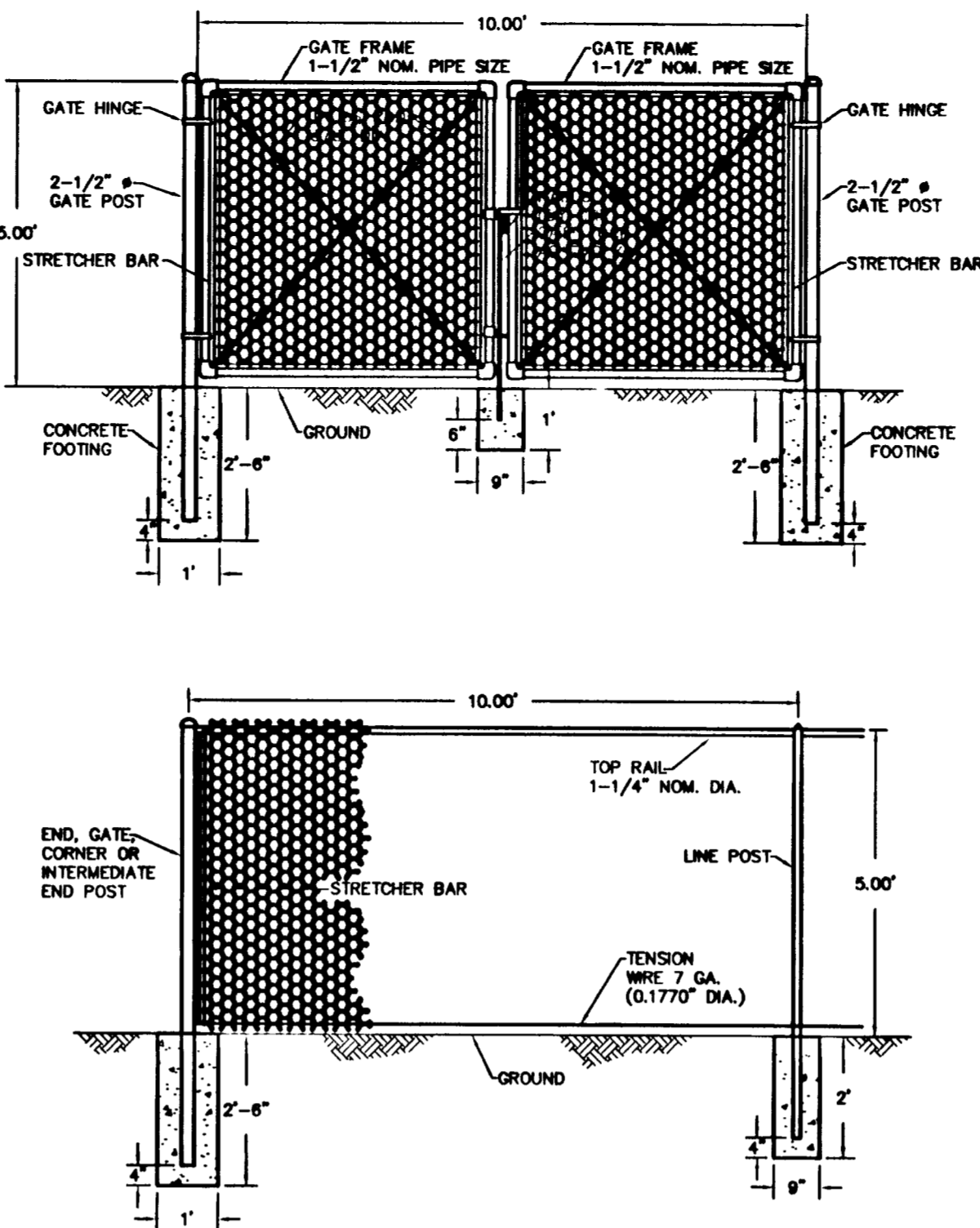


SPECIFICATIONS:

SIZE: 48" BY 24"
MATERIAL: GRADE "B" OR BETTER EXTERIOR PLYWOOD
PAINT: FACE - 3 COATS OUTDOOR ENAMEL (SPRAYED).
BACK - 1 COAT OUTDOOR ENAMEL (SPRAYED).
LETTERING: SILK SCREEN ENAMEL WHERE POSSIBLE, OR HAND PAINTED ENAMELS.
COLORS: BLACK AND WHITE. WHITE BACKGROUND, LETTERING AND BORDER IN BLACK
TYPE FACE: HELVETICA. 1 1/2" TALL WITH 7/8" SPACING BETWEEN LETTERS AND
OUTER BORDER. OUTER BORDER 1/2" WIDTH
INSTALLATION: SECURED TO CHAIN LINK FENCE IF AVAILABLE, OTHERWISE INSTALL ON
TWO 8 FT. LONG 4" X 4" POSTS, PRESSURE TREATED, INSTALLED IN 3 FT.
DEEP CONCRETE FILLED POST HOLES (8" MIN. DIA.)

Surface Water Facility
Sign

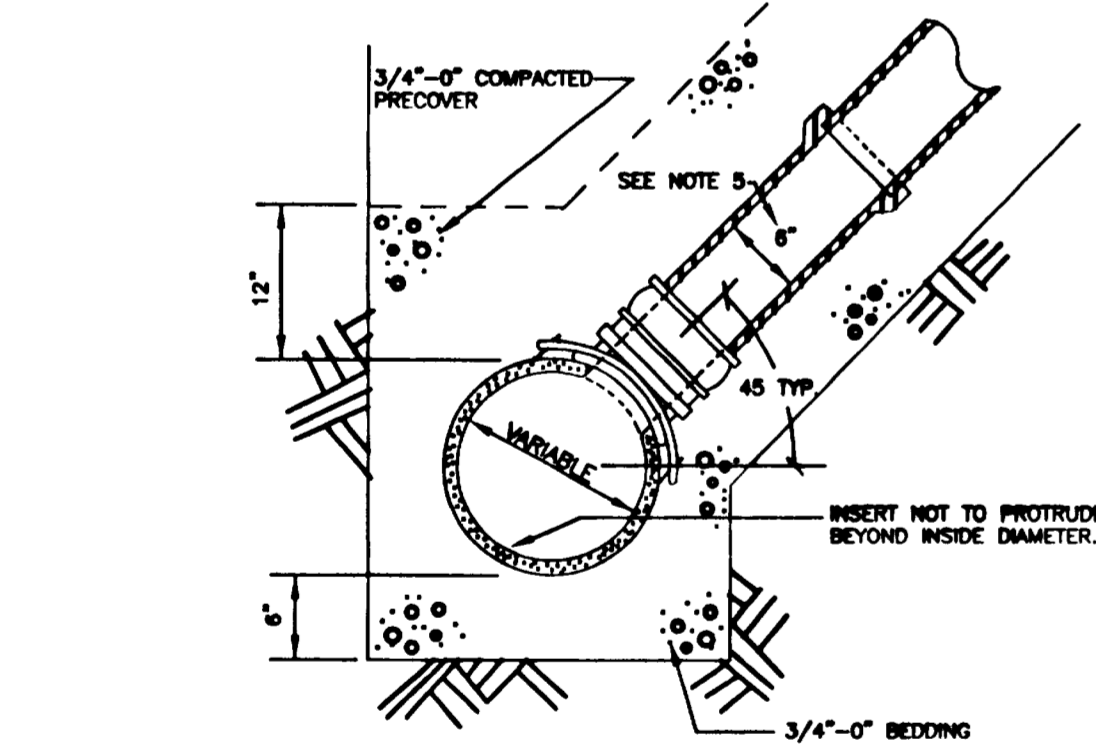
DATE: JAN 2000
DRAWING NO. WL-615
FILE NO. 00-615



NOTES:
1. BLACK POWDER COATING ON ALL HARDWARE AND
ACCESSORIES IS REQUIRED.
2. ALL MATERIAL AND WORKMANSHIP SHALL BE IN
ACCORDANCE WITH THE CURRENT STATE OF
OREGON STANDARD SPECIFICATIONS FOR HIGHWAY
CONSTRUCTION.

Surface Water Facility
Fence

DATE: JAN 2000
DRAWING NO. WL-616
FILE NO. 00-616

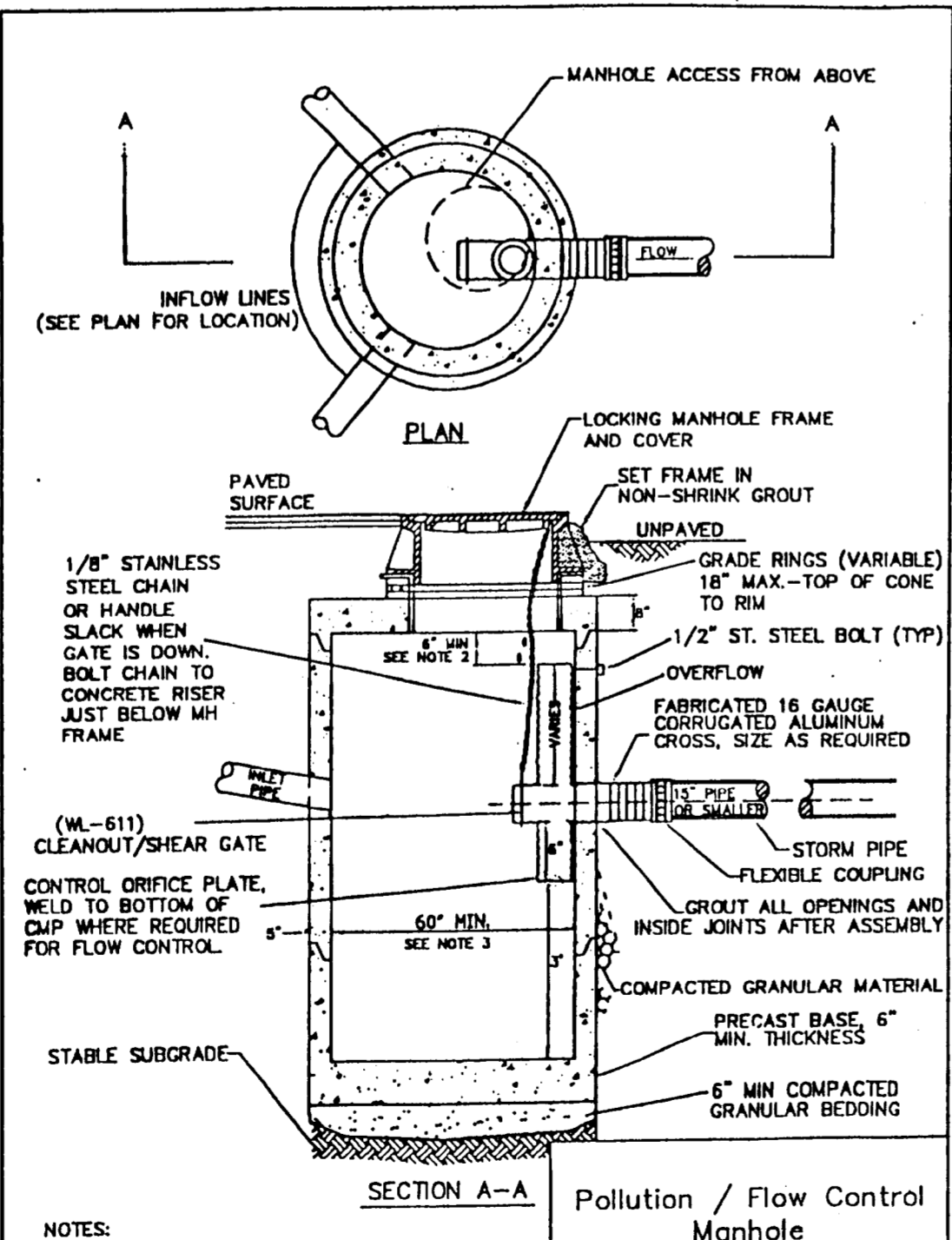


NOTES:

- A MINIMUM OF 24 HOURS NOTICE IS REQUIRED PRIOR TO A TAP INSPECTION.
ALL TRENCHES SHALL BE SHORED IN COMPLIANCE WITH OR-OSHA EXCAVATION
RULES, CHAPTER 437, DIVISION "3", SUBDIVISION "1", ADOPTED SEPTEMBER 1, 1990.
PUBLIC WORKS INSPECTORS WILL NOT INSPECT A TAP IN A TRENCH WITHOUT LEGAL
SHORING.
THE TAP SHALL BE INSPECTED BEFORE BACKFILL IS ALLOWED AND BEFORE THE SIDE
SEWER CONNECTION IS MADE. THE CORE DRILLED "SLUG" IS TO BE SHOWN TO THE
INSPECTOR TO INSURE IT WAS REMOVED FROM THE SEWER LINE.
- ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN APPROVED CONNECTOR
MANUFACTURED AND DESIGNED TO CONNECT TO A CORE DRILLED PIPE, FOWLER
INSURT-A-TEE, SEAL TIGHT SADDLE, TAP TITE TEE, OR AN APPROVED EQUAL
COMMERCIAL TAP.
- THE CENTERLINE OF TAP IS TO BE ABOVE THE SPRINGLINE.
- 4" MAXIMUM TAP FOR 8" MAIN (CUT-IN TEE TO BE USED FOR 6" HOUSE BRANCH
ON 8" MAIN).
- 4" HOUSE BRANCH MAY BE USED FOR SINGLE FAMILY LOTS ONLY.

Sewer Service Tap to
Existing Sewers for
House Laterals

DATE: JAN 2000
DRAWING NO. WL-303
FILE NO. 00-303

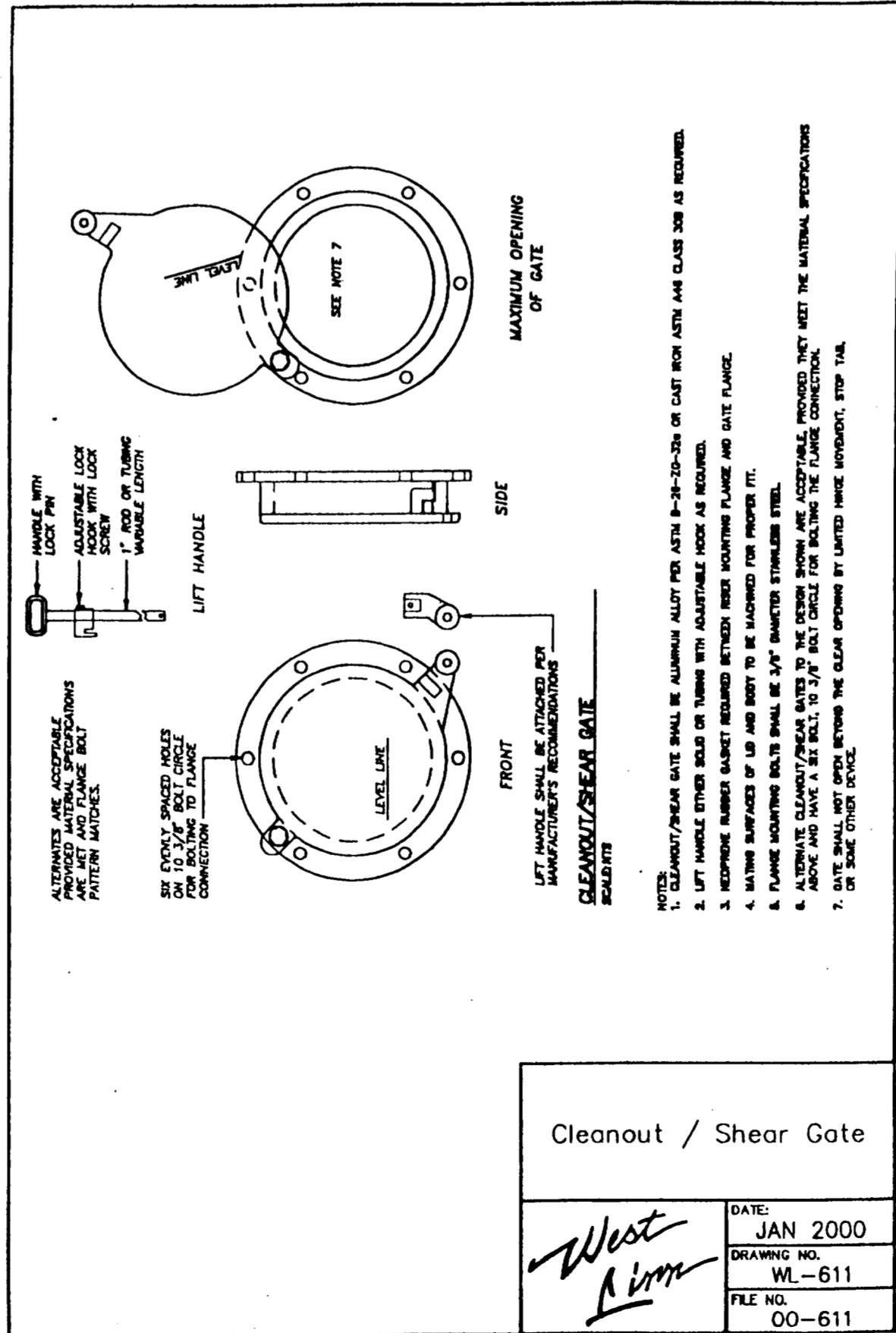


NOTES:

- ALL PRECAST SECTIONS SHALL CONFORM TO THE
REQUIREMENTS OF ASTM C-774.
2. DISTANCE FROM TOP OF OVERFLOW TO MH RIM
SHALL BE BASED ON OVERFLOW CAPACITY CALC'S BY
DESIGN ENGINEER. ASSUME ORIFICE CONTROL.
3. 7 1/2" MINIMUM DIA. MANHOLE REQUIRED FOR OUTLET
OR INLET > 21".
4. NO STEPS REQUIRED

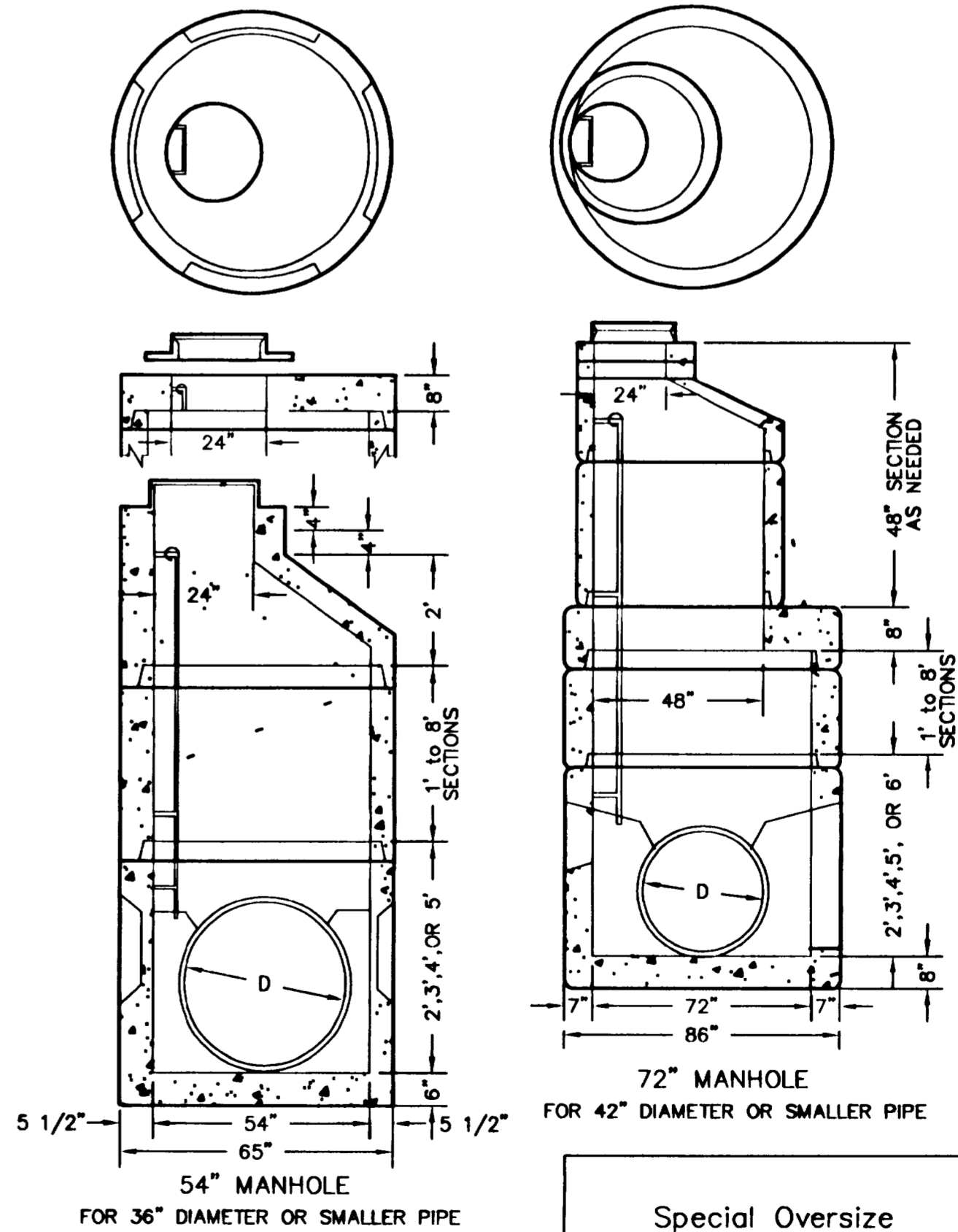
Pollution / Flow Control
Manhole

DATE: JAN 2000
DRAWING NO. WL-607
FILE NO. 00-607



Cleanout / Shear Gate

DATE: JAN 2000
DRAWING NO. WL-611
FILE NO. 00-611



Special Oversize
Manhole

DATE: JAN 2000
DRAWING NO. WL-209
FILE NO. 00-209

NOTES: STANDARD MANHOLE STEPS OR
LADDERS SHALL BE INSTALLED.

ASBUILT SET DECEMBER 7, 2001

Parker Road II
STREET IMPROVEMENT
CITY OF WEST LINN, OREGON
DETAIL SHEET



17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3618
FAX: (503) 635-5395

L9933

Project No. D933S012

File No.

12

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KOSS REAL ESTATE

22400 SALAMO RD.
WEST LINN, OR 97068
Phone: (503) 557-1144
Fax: (503) 557-1294

Date
Designed WJK/SAS
Drawn WJK
Checked By Date

REVISIONS
NO. DATE BY APPD.