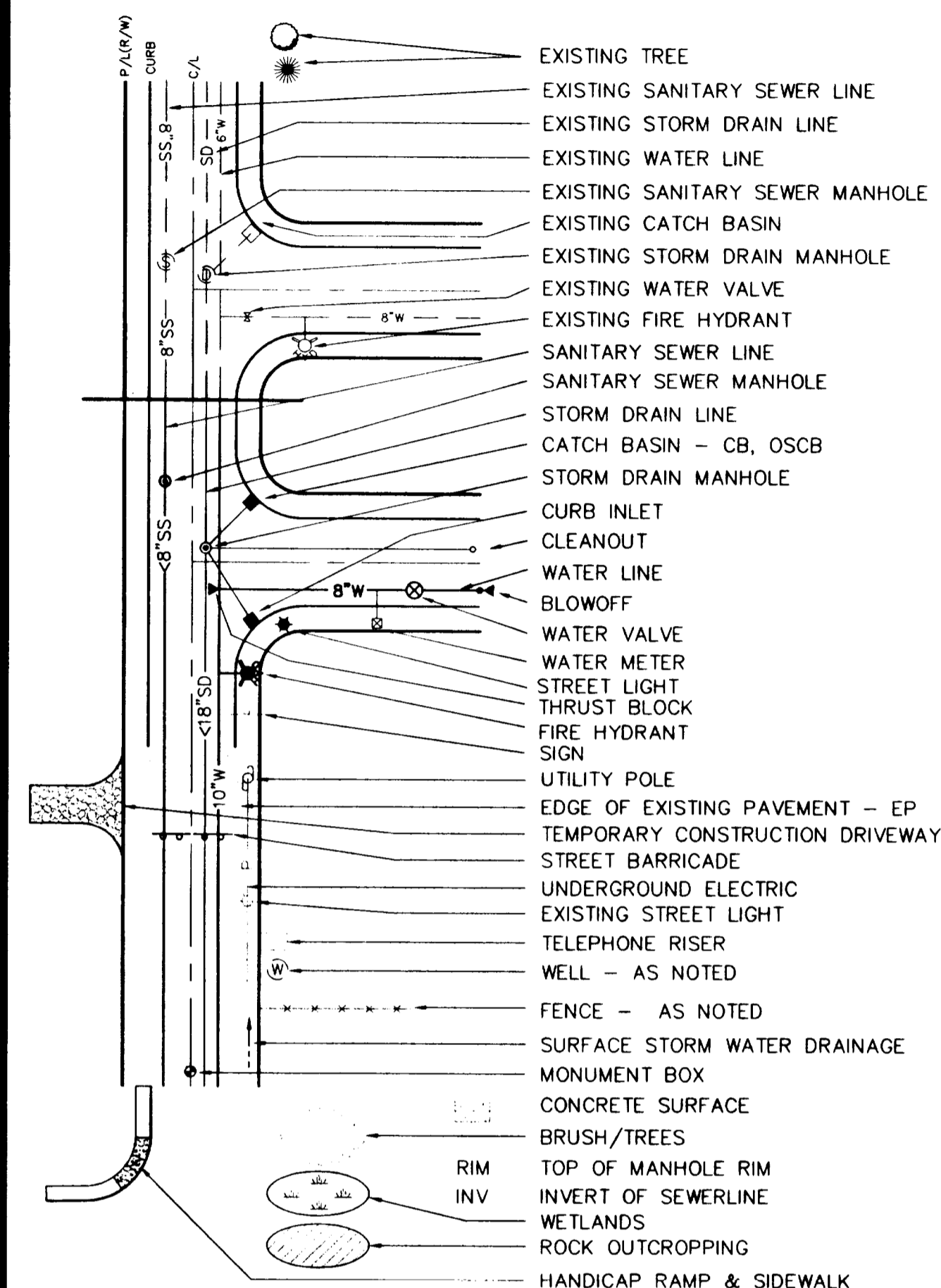


# FLORENDO'S HIDEAWAY

## OWNER

RENAISSANCE DEVELOPMENT  
RANDY SEBASTIAN  
1672 WILLAMETTE FALLS DRIVE  
WEST LINN, OREGON 97068

### LEGEND



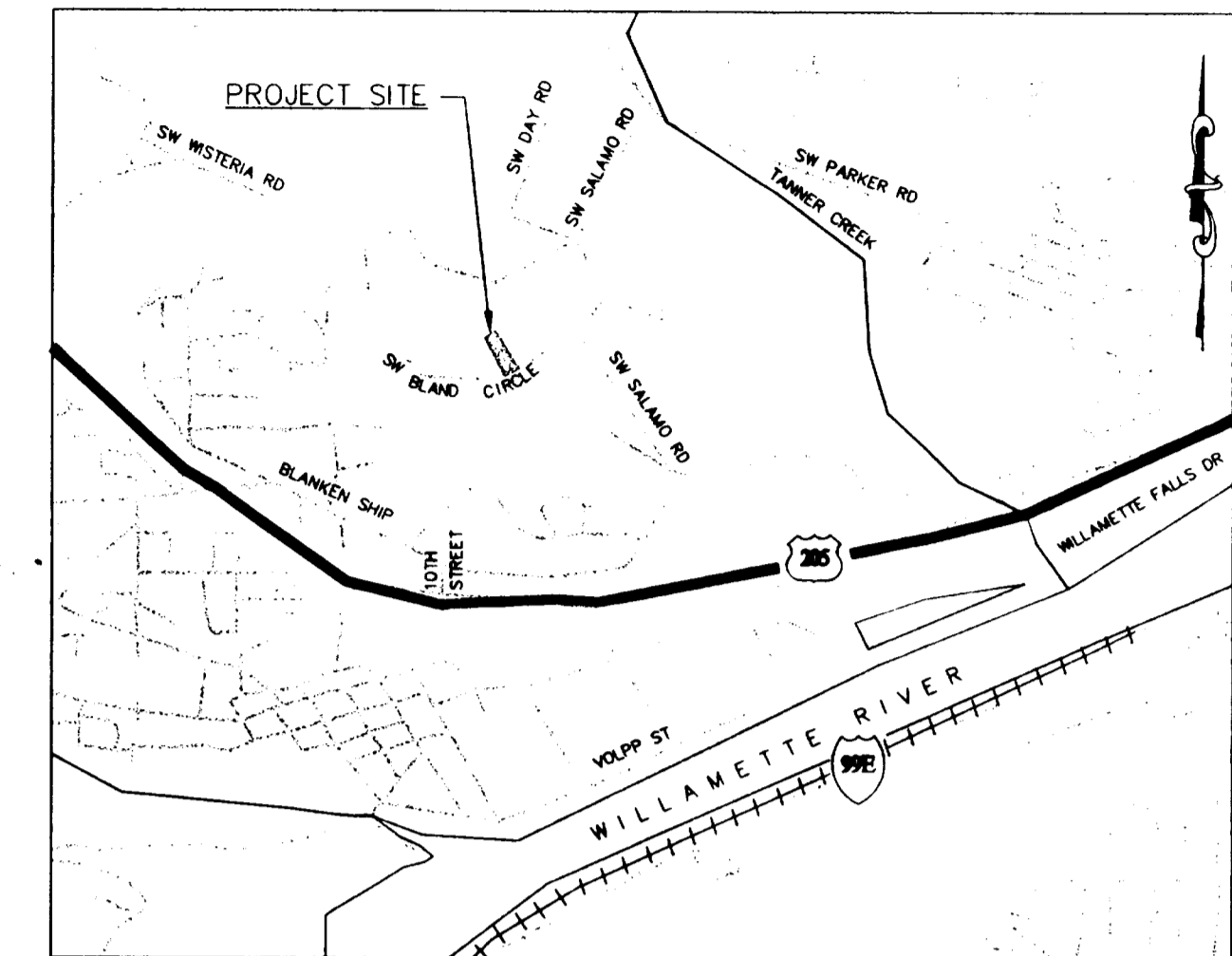
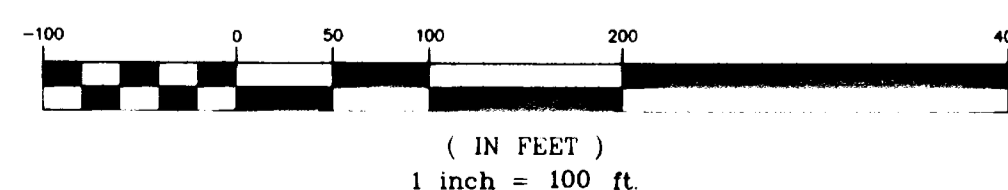
### ABBREVIATIONS

AC	ASPHALT CONCRETE	PC	POINT OF CURVATURE
ACP	ASBESTOS CEMENT PIPE	PCC	POINT OF COMPOUND CURVATURE
AB	AGGREGATE BASE	PI	POINT OF INTERSECTION
BCR	BEGIN CURB RETURN	PL	PROPERTY LINE
BM	BENCH MARK	PRC	POINT OF REVERSE CURVATURE
BVC	BEGIN VERTICAL CURVE	PT	POINT OF TANGENCY
CIP	CAST IRON PIPE	PVC	POLY-VINYL CHLORIDE
CJ	CONTROL JOINT	R	RADIUS
CL	CLASS	RCP	REINFORCED CONCRETE PIPE
CMP	CENTERLINE	R/W	RIGHT-OF-WAY
CMU	CORRUGATED METAL PIPE	S	SEWER
CO	CONCRETE MASONARY UNIT	SD	STORM DRAIN
CTV	CLEANOUT	SL	SEWER LATERAL
DI	CABLE TELEVISION	STA	STATION
DIP	DROP INLET	STD. DTL.	STANDARD DETAIL
E	DUCTILE IRON PIPE	TB	TELEPHONE
ECR	ELECTRICAL	TC	THRUST BLOCK
EJ	END CURB RETURN	TCN	TOP OF CURB
EL	EXPANSION JOINT	TD	TOP OF CONCRETE
EVC	ELEVATION	TF	TOP OF DIKE
EX	END VERTICAL CURVE	TG	TOP OF FOOTING
FF	EXISTING	TI	TOP OF GRATE
FG	FINISH FLOOR	TL	TRAFFIC INDEX
FH	FINISH GRADE	TP	TRAFFIC LIGHT
FL	FIRE HYDRANT	TP	TOP OF PAVEMENT
FLG	FLOWLINE	TYP.	TYPICAL
G	FLANGE	TW	TOP OF WALL
GM	GAS	VCP	VITRIFIED CLAY PIPE
GB	GAS METER	VPI	VERTICAL POINT OF INTERSECTION
GSP	GRADE BREAK	W	WATER
HP	GALVANIZED STEEL PIPE	WM	WATER METER
L	HIGH POINT	WV	WATER VALVE
LF	CURVE LENGTH	Δ	DELTA (CURVE CENTRAL ANGLE)
MH	LINEAL FEET	Δ	APPROXIMATELY
MJ	MANHOLE	%	PERCENT
N.I.C.	MECHANICAL JOINT	<	LESS THAN
OCEW	NOT INCLUDED IN CONTRACT	>	GREATER THAN
	ON CENTER EACH WAY		

### BENCHMARK

5/8" IRON ROD WITH RED PLASTIC CAP  
INSCRIBED "TRILAND INC."  
ELEVATION = 524.3  
(CITY OF WEST LINN)

### GRAPHIC SCALE



VICINITY MAP

A PARCEL OF LAND LOCATED IN THE WILLIAM BLAND D.L.C. NO. 5 IN THE NORTHEAST ONE QUARTER OF SECTION 35, TOWNSHIP 2 SOUTH, RANGE 1 EAST, WILLAMETTE MERIDIAN, CLATSOP COUNTY, OREGON, AND BEING A PORTION OF LOT 28 "BLAND ACRES".

### UTILITY COMPANIES

CITY OF WEST LINN 606-4211  
NORTHWEST NATURAL GAS 226-4211  
PORTLAND GENERAL ELECTRIC 600-1411  
QWEST TELEPHONE CO. 242-0406  
AT&T CABLE 243-7477  
PUBLIC TRANSPORT TRI-MET

### LOCATES (48 HOURS NOTICE REQUIRED PRIOR TO EXCAVATION)

ONE CALL SYSTEM  
(GENERAL TELEPHONE, NORTHWEST NATURAL GAS, QWEST, US SPRINT)  
PORTLAND GENERAL ELECTRIC  
CABLE TELEVISION - AT&T

### REPAIR EMERGENCIES

NORTHWEST NATURAL GAS - 800-882-3377  
QWEST TELEPHONE CO. - (503) 242-8496  
PORTLAND GENERAL ELECTRIC - (503) 464-7750  
AT&T BROADBAND - (503) 243-7476  
CITY OF WEST LINN - (503) 656-4211

THE CONTRACTOR, IN LOCATION AND PROTECTING UNDERGROUND UTILITIES, MUST COMPLY WITH THE REGULATIONS OF O.R.S. 757.541 TO 757.571.

### SHEET INDEX

- 1 TITLE SHEET
- 2 CONSTRUCTION NOTES
- 3 GRADING PLAN
- 4 EROSION CONTROL PLAN AND TREE PRESERVATION
- 5 STREET AND SITE PLAN
- 6 STREET PROFILES
- 7 STORM DRAIN PLAN AND PROFILES
- 8 SANITARY SEWER AND WATER PLAN
- 9 SANITARY SEWER PROFILES
- 10 COMPOSITE UTILITY PLAN
- 11 CONSTRUCTION DETAILS



TITLE SHEET  
FLORENDO'S HIDEAWAY

AS-BUILT

DATE NOVEMBER 3, 2003

PROJECT FLORENDO'S  
NO. 658-005  
TYPE CONSTRUCTION

DESIGNED BY DATE 11.03.03  
DRAWN BY JLN DATE 11.03.03  
REVIEWED BY JLN DATE 11.03.03  
PROJECT NO. 658-005 REF. 658-005  
SCALE 1"=40' VERT. 1"=40'  
658-005-TITLE



SHEET 1 OF 11

PROJECT FLORENDO'S  
NO. 658-005  
TYPE CONSTRUCTION

ALPHA ENGINEERING INC.  
PLANNING DEVELOPMENT SERVICES SURVEYING  
OFFICE 503-452-8003 FAX 503-452-8043  
PLAZA WEST SUITE 230 9600 SW OAK PORTLAND, OR 97233

GENERAL NOTES:

1. THE DESIGN ENGINEER WILL BE RESPONSIBLE FOR INSPECTION OF THE PROPOSED IMPROVEMENTS WITH OVERSIGHT FROM CITY'S PUBLIC WORKS AND ENGINEERING STAFF.
2. A WORK SCHEDULE WILL BE REQUIRED FROM THE CONTRACTOR SO THAT THE ENGINEER CAN HAVE AN INSPECTOR ONSITE AT THE APPROPRIATE TIMES. IF THE WORK SCHEDULE IS REVISED THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF THE CHANGES. ADDITIONALLY THE CONTRACTOR IS TO GIVE THE ENGINEER AT LEAST 24 HOURS NOTICE OF ANY TESTING REQUIRING THE PRESENCE OF THE ENGINEER AND/OR CITY STAFF.
3. THE CONTRACTOR IS TO RECEIVE THE APPROVAL OF THE ENGINEER AND THE CITY OF WEST LINN OF ANY PROPOSED CHANGES TO THE PLANS OR STANDARD REQUIREMENTS.
4. A BUILDING DEPARTMENT PLUMBING PERMIT IS REQUIRED FOR UTILITIES BEYOND THE FIRST CLEANOUT OR METER ON PRIVATE PROPERTY.
5. A PUBLIC IMPROVEMENT GUARANTEE AGREEMENT AND A PRE-CONSTRUCTION MEETING WITH THE CITY OF WEST LINN ARE REQUIRED PRIOR TO BEGINNING CONSTRUCTION. PRIOR TO SITE CLEARING, CONSTRUCTION "SNOW" FENCING SHALL BE PLACED AROUND TREES TO BE PRESERVED 10 FEET BEYOND THE DRIPLINE OF THE TREES AND SHALL REMAIN IN PLACE THROUGHOUT THE INFRASTRUCTURE IMPROVEMENTS.
6. ALL SPECIFIED 3/4"-0 OR 1 1/2" AGGREGATE SHALL MEET APWA STANDARDS.
7. ACCESS TO LOTS 1 THROUGH 6 SHALL BE FROM SUNBREAK LANE AND CRESTVIEW DRIVE ONLY. NO ACCESS WILL BE ALLOWED FROM BLAND CIRCLE.

UTILITIES:

1. IF NOT NOTED ON THE PLANS UTILITY INFORMATION AND CROSSING LOCATIONS WILL HAVE TO BE OBTAINED FROM THE UTILITIES.
2. UTILITY CONTACTS ARE AS FOLLOWS: PGE - CINDY MANSELLE, 650-1411; AT&T CABLE - LINDA PETERSEN, 243-7497, QWEST COMMUNICATIONS - JACKIE LOLLAR 242-8496.

WATER SUPPLY:

1. 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 JOINT. PIPE FITTINGS ARE TO BE OF THE SAME MATERIAL AND CLASS AS PIPE AND OF DOMESTIC ORIGIN.
2. WATER MAINS TO HAVE A MINIMUM COVER OF 36".
3. THRUST BLOCKS ARE TO BE PROVIDED AT ALL CHANGES IN DIRECTION AND BRANCHES. THRUST BLOCKING CONCRETE STRENGTH IS TO BE 2000 PSI. SEE DETAILS FOR THRUST BLOCK SIZING. POUR THRUST BLOCKS AGAINST UNDISTURBED EARTH.
4. GATE VALVES SHALL BE A DOUBLE DISC TYPE CONFORMING TO AWWA C500. BUTTERFLY VALVES SHALL BE CLASS 150 B SHORT BODY TYPE IN CONFORMANCE WITH AWWA C504. VALVE BOXES SHALL BE RICH MODEL 925 ON "VANCOUVER" TYPE MODEL 910.
5. FIRE HYDRANTS SHALL BE CLOW MEDALLION TYPE 2545 OR MUELLER CENTURION ONLY, AND SHALL BE INSTALLED IN ACCORDANCE WITH APWA DIVISION IV, SECTION 404. PUMPER OUTLET IS TO FACE THE DIRECTION OF ACCESS.
6. GRANULAR BACKFILL IS TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD AND NATIVE MATERIAL SHALL BE COMPACTED TO 85% OF IN-PLACE DRY DENSITY OF SURROUNDING SOIL. BACKFILL UNDER STREETS SHALL BE IN ACCORDANCE WITH CLASS 'B' BACKFILL AS INDICATED ON THE DETAIL SHEET OF THE PLANS. EXCAVATION, BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH APWA DIVISION IV, SECTION 401.
7. SERVICE LATERALS SHALL BE TYPE 'K'. LATERAL SIZES SHALL BE 1". FOR DOUBLE SERVICES TWO 1" WATER SERVICE SHALL BE LAID SIDE BY SIDE. CORPORATION STOPS SHALL BE FORD OR APPROVED EQUAL. CURB STOP SHALL BE 1" FORD METER STOP. METER BOXES SHALL BE EQUAL TO BROOKS #31. METER BOXES ARE TO BE INSTALLED 3/4" ABOVE FINISH GRADE.
8. ALL WATERLINES WILL BE PRESSURE TESTED AND PURIFICATION TESTED BEFORE CONNECTION TO THE CITY WATER SYSTEM. PRESSURE TEST SHALL BE CONDUCTED AT 180 PSI AND SHALL MEET THE REQUIREMENTS OF APWA, DIVISION IV, SECTION 402.3.04.
9. DISINFECTION SHALL CONFORM WITH APWA DIVISION 4, SECTION 402.3.05.
10. DO NOT CONNECT NEW PIPE TO EXISTING PIPE PRIOR TO TESTING. THE CITY OF WEST LINN REQUIRES ACCEPTANCE OF NEW WATERLINE PRIOR TO CONNECTION TO EXISTING WATER SYSTEM.
11. A PLUMBING PERMIT FROM THE CITY OF WEST LINN BUILDING DEPARTMENT IS REQUIRED FOR SERVICE LATERAL INSTALLATIONS BEYOND THE WATER METER.
12. ALL MATERIALS, INSTALLATION, TESTS, AND CHLORINATION TO BE IN STRICT ACCORDANCE WITH APWA'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE SUPPLEMENTAL STANDARDS AND CODES OF THE CITY OF WEST LINN, AND THE OREGON STATE HEALTH DIVISION ADMINISTRATIVE RULES, CHAPTER 333.

STREETS:

1. NEW STREET SECTIONS ARE TO BE CLEARED OF ALL SURFACE VEGETATION AND OTHER MISCELLANEOUS STRUCTURES OR MATERIALS. GRUB IMPROVEMENT AREAS TO REMOVE ALL BURIED VEGETATIVE MATTER AND DEBRIS TO A DEPTH OF 8" BELOW SUBGRADE. PROPERLY DISPOSE OF ALL WASTE MATERIAL.
2. STREET SUBGRADE SHALL CONFORM TO APWA DIVISION II, SECTION 206. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL HAVE FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH APWA DIVISION II, SECTION 206.3.05. SUCH TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
3. AGGREGATE BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF APWA DIVISION II, SECTION 207. BASE COURSE SHALL BE (1 1/2"-0) CRUSHED ROCK AND LEVELING COURSE SHALL BE (3/4"-0). CITY OF WEST LINN REQUIRES A PROOF ROLL WITH A LOADED TO YARD DUMP TRUCK OF THE SUBGRADE PRIOR PLACEMENT OF THE ROCK AND AGAIN AFTER PLACEMENT OF THE BASE ROCK AND PRIOR TO PAVING. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL WILL TAKE PLACE.
4. ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF APWA DIVISION II, SECTION 211. 2" BASE LIFT SHALL BE CLASS 'B' A.C. AND 1 1/2" FINAL LIFT SHALL BE CLASS 'C' A.C. AS PER APWA DIVISION II, SECTION 211.2.01. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
5. CONSTRUCT CURB AND GUTTER USING CLASS 'A' 3300 PSI CONCRETE WITH MAXIMUM 1 1/2" AGGREGATE SIZE. CONSTRUCTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UPHILL OR EVEN WITH THE STREET. GENERALLY WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CURB DEPRESSIONS FOR HANDICAP RAMPS SHALL BE CENTERED BETWEEN CURB RETURNS AT INTERSECTIONS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR A (W).
6. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH APWA'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE SUPPLEMENTAL STANDARDS AND SPECIFICATIONS OF THE CITY OF WEST LINN STREET/UTILITY DESIGN AND COSNTRUCTION STANDARDS.
7. A STREET CONSTRUCTION ENCROACHMENT PERMIT OR SIMILAR PERMIT MAY BE REQUIRED FROM THE CITY OF WEST LINN. CONSTRUCTION PERMIT FEES OR OTHER SIMILAR FEES OR BONDING REQUIRED OF THE CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN.

SANITARY SEWER:

1. PIPE SHALL BE PVC SEWER PIPE CONFORMING TO ASTM D-3034-SDR 35. MINIMUM STIFFNESS SHALL BE 46 PSI AND JOINT TYPE SHALL BE ELASTOMERIC GASKET CONFORMING TO ASTM D-3212.
2. MANHOLE BASE SHALL BE PRE-CAST OR POURED IN-PLACE CONCRETE BASE WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI. MANHOLE RISERS AND TOPS SHALL BE PRECAST SECTIONS WITH MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. TOPS SHALL BE ECCENTRIC CONES EXCEPT WHERE INSUFFICIENT HEADROOM REQUIRES FLAT TOPS. INVERTS SHALL BE CONSTRUCTED SO AS TO PROVIDE SMOOTH FLOW-THROUGH CHARACTERISTICS. PVC PIPE SHALL BE CONNECTED TO MANHOLE BY MEANS OF AN ELASTOMERIC GASKET, AN APPROVED WATERSTOP, OR FLEXIBLE SLEEVE. CEMENT GROUT FOR CONNECTING PVC SEWER PIPE TO MANHOLE WILL NOT BE PERMITTED.
3. ALL MANHOLES LOCATED IN EASEMENT AREAS REQUIRE TAMPER PROOF LIDS. ALL MANHOLE RIMS NOT IN PAVEMENT AREA TO BE SET 12 INCHES ABOVE PROPOSED GRADE.
4. CLEANOUT PIPE, FITTINGS, AND JOINTS SHALL BE THE SAME SPECIFICATIONS AS FOR PIPE. CASTINGS ARE AS SHOWN ON DETAIL AND SHALL CONFORM TO ASTM A48 (GRADE 30). CLEANOUT RISER SHALL MATCH DOWNSTREAM PIPE DIAMETER.
5. GRANULAR BACKFILL IS TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD AND NATIVE MATERIAL SHALL BE COMPACTED TO 85% OF IN-PLACE DRY DENSITY OF SURROUNDING SOIL.
6. PVC SERVICE LATERALS SHALL BE 4" PIPE CONFORMING TO THE SAME SPECIFICATIONS AS THE SEWER MAINS. SERVICE LATERALS SHALL BE INSTALLED TO A POINT BEYOND THE LINE OF THE SEWER OR UTILITY EASEMENT AS SHOWN ON THE PLAN. THE SERVICE LATERAL SHALL BE PLUGGED WITH A 4" RUBBER RING PLUG, AND THE LOCATION OF THE LATERAL'S END MARKED WITH A 2" X 4" STAKE, PAINTED GREEN.
7. SANITARY SEWER PIPE AN APPURTENANCES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH APWA DIVISION III REQUIREMENTS. LEAKAGE TESTS WILL INCLUDE REQUIRED APWA AIR PRESSURE TEST FOR SEWER LINES AND REQUIRED APWA VACUUM TEST OF MANHOLES. ALL PVC PIPE SHALL BE TESTED FOR DEFLECTION. DEFLECTION SHALL BE TESTED WITH A MANDREL EQUAL TO 95% OF THE PIPE SIZE BEING TESTED. IN ADDITION, SEWER LINES SHALL BE VIDEO INSPECTED BY THE CONTRACTOR PER APWA, DIVISION III, SECTION 303.3.11. ALL TESTS SHALL BE WITNESSED BY THE ENGINEER AND ALSO WITNESSED & APPROVED BY THE CITY OF WEST LINN INSPECTOR.
8. A PLUMBING PERMIT FROM THE CITY OF WEST LINN BUILDING DEPARTMENT IS REQUIRED FOR SANITARY SEWER LATERALS BEYOND THE FIRST CLEANOUT.
9. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE MADE IN STRICT ACCORDANCE WITH CITY OF WEST LINN'S STREET/UTILITY CONSTRUCTION STANDARDS, WITH APWA'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND WITH THE UNIFORM PLUMBING CODE.
10. THE NEW SANITARY SEWER LINE SHALL NOT BE CONNECTED TO THE CITY'S SYSTEM PRIOR TO TESTING AND APPROVAL.

STORM DRAINS:

1. TEN INCH AND LARGER STORM DRAIN PIPE SHALL BE CLASS 3, NON-REINFORCED, CONCRETE PIPE CONFORMING TO ASTM C14, PIPE CONFORMING TO ASTM D-3034 OR SEAMLESS PVC PIPE CONFORMING TO ASTM F794. (PW RIB). WHERE REQUIRED, JOINTS ARE REQUIRED FOR ALL CONCRETE PIPE. EIGHT INCH AND SMALLER STORM DRAIN PIPE SHALL CONFORM TO ASTM D 3034 PVC PIPE. ALL JOINTS SHALL HAVE RUBBER GASKETS.
2. GUTTER INLETS SHALL BE POURED IN-PLACE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. FRAME SHALL BE FABRICATED OF STRUCTURAL STEEL, ASTM A-7, A-36, A-273.
3. MANHOLE BASE MAY BE POURED IN-PLACE CONCRETE OR PRECAST. MANHOLE RISERS AND TOPS SHALL BE PRECAST SECTIONS WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. TOPS SHALL BE ECCENTRIC CONES EXCEPT WHERE INSUFFICIENT HEADROOM REQUIRES FLAT TOPS. SOME OR ALL OF THE STORM DRAIN MANHOLES REQUIRED WILL BE OVERSIZED MANHOLES. INTERIOR DIMENSIONS NOTED ON THE PLANS ARE MINIMUMS. CHECK WITH MANHOLE MANUFACTURER FOR ACTUAL SIZE NEEDED FOR TYPE OF PIPE TO BE USED.
4. ALL MANHOLES LOCATED IN EASEMENT AREAS REQUIRE TAMPER PROOF LIDS. ALL MANHOLE RIMS NOT IN PAVEMENT AREA TO BE SET 12 INCHES ABOVE PROPOSED GRADE.
5. CLEANOUT PIPE, FITTINGS AND JOINTS SHALL BE THE SAME SPECIFICATION AS FOR PIPE. CASTINGS ARE SHOWN ON DETAIL AND SHALL CONFORM TO ASTM A 48 (GRADE 30). CLEANOUT RISER SHALL MATCH DOWNSTREAM PIPE DIAMETER.
6. GRANULAR BACKFILL IS TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD AND NATIVE MATERIAL SHALL BE COMPACTED TO 85% OF IN-PLACE DRY DENSITY OF SURROUNDING SOIL.
7. RIPRAP WHERE NOTED ON THE PLANS IS TO BE CLASS 50 IN ACCORDANCE WITH OREGON STATE HIGHWAY DIVISION SPECIFICATION 714.
8. STORM DRAINS SHALL BE TESTED FOR DEFLECTION WITH A MANDREL EQUAL TO 95% OF THE PIPE SIZE BEING TESTED. IN ADDITION, STORM LINES SHALL BE VIDEO INSPECTED BY THE CONTRACTOR PER APWA, DIVISION III, SECTION 303.3.11. ALL TESTS SHALL BE WITNESSED BY THE ENGINEER.
9. A PLUMBING PERMIT FROM THE CITY OF WEST LINN BUILDING DEPARTMENT IS REQUIRED FOR STORM DRAINS BEYOND THE FIRST CLEANOUT.
10. A BACKWATER CHECK VALVE SHALL BE INSTALLED ON THE 4" ROOF DRAIN SERVICE TO ANY LOT THAT HAS THE END OF ITS ROOF DRAIN STUB LOCATED BELOW THE DETENTION OVERFLOW ELEVATION. THESE CHECK VALVES SHALL BE A CANPLAS 3284 4" ABS VALVE OR OTHER EQUAL LOW PRESSURE VALVE.
11. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH APWA'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE SUPPLEMENTAL STANDARDS AND SPECIFICATION OF THE CITY OF WEST LINN STREET/UTILITY DESIGN AND CONSTRUCTION STANDARDS.

EROSION CONTROL:

SUMMARY:

1. THE CONTRACTOR, PRIOR TO BEGINNING WORK, SHALL OBTAIN AN EROSION CONTROL PERMIT.
2. THE INTENT OF THE REQUIREMENT IS TO PREVENT SILTATION FROM REACHING STORM DRAIN SYSTEMS AND DRAINAGE WAYS.
3. THE MINIMUM MEASURES NEED TO BE MADE ON ALL PROJECTS.  
A)A GRAVEL PAD WITH 3"-6" ROCK, AT LEAST 50 FEET LONG, IS REQUIRED WHERE VEHICLES WILL LEAVE THE CONSTRUCTION SITE.  
B)A SEDIMENT BARRIER IS TO BE CONSTRUCTED WITH A SEDIMENT FENCE WHERE NOTED IN THE DETAILS OR WHERE SEDIMENT WILL CROSS OUTSIDE THE WORK AREA.  
C)RIPRAP EXITS FROM ALL CULVERTS AND STORM DRAIN PIPES DRAINING INTO THE DITCHES OR SWALES. RIPRAP IS TO BE CLASS 50 RIPRAP OR LARGER OR AS NOTED ELSEWHERE IN THE PLANS.  
D)RESEED OR COVER DISTURBED AREAS AS SOON AS IS POSSIBLE AND PRACTICAL BUT NO LATER THAN THE COMPLETION OF CONSTRUCTION ON THE OTHER PHASES OF WORK. EROSION CONTROL MEASURES SUCH AS HAY BALES AND SILT FENCES MUST REMAIN IN PLACE UNTIL SEEDED AREAS SHOW GROWTH SUBSTANTIAL TO PREVENT EROSION.

GENERAL:

1. APPROVAL OF THIS EROSION 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 APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, AND VEGETATION OF LANDSCAPING IS ESTABLISHED.
3. THE ESC FACILITIES ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE 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 APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
6. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF EVERY OTHER WEEK, OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
7. AT NO TIME SHALL MORE THAN 50% OF THE SEDIMENT RETENTION CAPACITY 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 ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

GENERAL GRADING AND EROSION CONTROL

1. CLEAN WASTE MATERIAL EXCAVATED FROM ROAD CUT OR TRENCHING AREAS NOT USED IN STREET FILL AREAS MAY BE SPREAD EVENLY ACROSS LOT AREAS IN DEPTHS OF LESS THAN ONE FOOT, INCLUDING 4" OF TOP SOIL.
2. DURING CONSTRUCTION, STRAW BALES, CUTOFF TRENCHES OR SOME OTHER METHOD OF RUNOFF CONTROL SHALL BE USED TO PREVENT EROSION AND/OR SILTATION FROM CROSSING OUTSIDE THE WORK AREA BOUNDARIES.
3. LARGE ORGANIC MATERIAL, MISCELLANEOUS PIPE OR CONSTRUCTION MATERIAL MUST BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
4. NO FILLING OR CUTTING SHALL BE DONE OUTSIDE OF APPROVED GRADING AREAS, INCLUDING SPREADING OVER LOTS.
5. ALL EROSION CONTROL FACILITIES SHALL MEET THE REQUIREMENTS OF THE CLACKAMAS COUNTY DEPARTMENT OF UTILITIES, EROSION PREVENTION AND SEDIMENT CONTROL PLANS TECHNICAL GUIDANCE HANDBOOK, REVISED AUGUST, 1994 AND THE OREGON ADMINISTRATIVE RULES.
6. EROSION CONTROL MEASURES DURING CONSTRUCTION SHALL BE GOVERNED BY CLACKAMAS COUNTY EROSION CONTROL STANDARDS.

SEEDING/MULCHING

1. ALL AREAS DISTURBED DURING CONSTRUCTION TO BE GRADED TO DRAIN AND COMPACTED TO A MINIMUM OF 90% OF AASHTO T-99 IMMEDIATELY AFTER INSTALLATION OF UTILITIES OR GRADING.
2. RECOMMENDED SEED MIXTURE: 80% ELKA DWARF PERENNIAL RYEGRASS AND 20% CREEPING RED FESCUE, BY WEIGHT.
3. FERTILIZER SHALL BE 12-16-8 WITH 50% OF THE NITROGEN DERIVED FROM UREA FORMALDEHYDE, AND APPLIED AT A RATE OF 400 POUNDS PER ACRE. APPLICATION RATE SHALL BE 100 POUNDS MINIMUM PER ACRE.
4. SEED AND MULCH AT A RATE OF 2000 LBS./AC WITH HEAVY BONDING AGENT OR NETTING AND ANCHORS. MULCH SHALL BE A WOOD CELLULOSE FIBER OR OTHER MATERIAL SUITABLE FOR HYDROMULCHING.
5. TEMPORARY OR PERMANENT HYDROSEEDING ARE ACCEPTABLE SEEDING AND MULCHING MUST BE PROVIDED WHENEVER PERENNIAL COVER CANNOT BE ESTABLISHED ON SITES WHICH WILL BE EXPOSED FOR 60 DAYS OR MORE.

SEDIMENT FENCE:

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. THEN FENCE POSTS SHALL BE SPACED A MAXIMUM OF SIX FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 18 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY 6 INCHES WIDE BY 6 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED. BURY THE BOTTOM OF THE FABRIC 6" VERTICALLY BELOW FINISHED GRADE. ALL AREAS OF FILTER FABRIC TRENCH SHALL BE COMPACTED.
4. THE FILTER FABRIC SHALL BE INSTALLED WITH STITCHED LOOPS OVER FENCE POSTS. THE FENCE POST SHALL BE CONSTRUCTED OF 2" X 2" FIR, PINE, OR STEEL. THE FENCE POST MUST BE A MINIMUM OF 48" LONG. THE FILTER FABRIC SHALL NOT BE STAPLED OR ATTACHED TO EXISTING TREES.
5. SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
6. 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.

DECISION

BASED UPON THE UPON THE APPLICANT'S RESPNSE TO THE APPROVAL CRITERIA, CONTAINED WITHIN THE APPLICANT'S SUBMITTAL, AND STAFF SUPPLEMENTAL FINDINGS, ATTACHED, STAFF FINDS THAT THERE ARE SUFFICIENT GROUNDS FOR THE PLANNING DIRECTOR AND CITY ENGINEER TO APPROVE THE APPLICATION AS A 12-LOT SUBDIVISION WITH THE FOLLOWING CONDITIONS OF APPROVAL.

1. REGRADING TREE PRESERVATION:
  - A. A TREE CONSERVATION EASEMENT SHALL BE ESTABLISHED FOR THE TREE AT THE SOUTHEAST CORNER OF LOT 1. THE EASEMENT MAY ONLY BE REMOVED IF A LICENSED ARBORIST CERTIFIES THAT THE TREE IS DEAD.
  - B. SIX FOOT TALL CHAIN-LINK FENCING SHALL BE PLACED 10 FEET BEYOND THE DRIP LINE OF THE TREE AT THE SOUTHEAST CORNER OF LOT 1.
  - C. THE CITY ARBORIST SHALL INSPECT AND APPROVE ALL ON-SITE TREE PROTECTION MEASURES, AND TREE PRUNING, INCLUDING PLACEMENT OF PROTECTION FENCES PRIOR TO THE START OF SITE WORK. IT IS THE APPLICANT'S RESPONSIBILITY TO CONTACT THE CITY ARBORIST AND ARRANGE FOR THIS APPROVAL TO TAKE PLACE. NO PERMITS FROM ENGINEERING, PLANNING, OR BUILDING DEPARTMENTS SHALL BE ISSUED WITHOUT APPROVAL FROM THE CITY ARBORIST REGARDING TREE PROTECTION MEASURES.
  - D. ALL TREE PROTECTION MEASURES SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL FOR THE ENTIRE TIME THAT SITE WORK AND CONSTRUCTION IS TAKING PLACE.

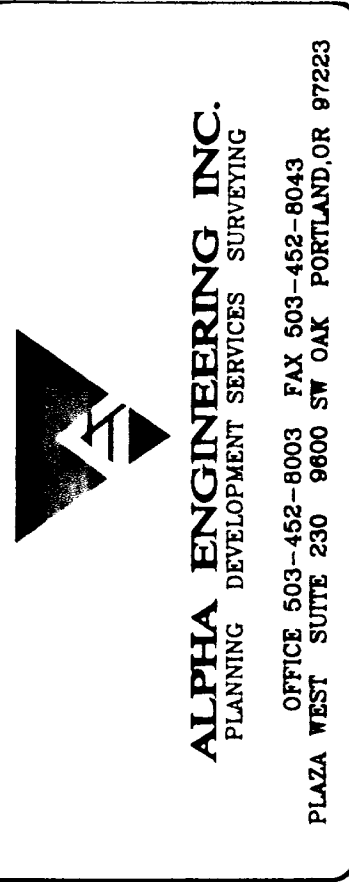
~~2. THE APPLICANT SHALL DEDICATE A 10-FOOT WIDE PUBLIC TRACT TO THE CITY OF WEST LINN THAT WILL ACCOMMODATE A PATH ALONG THE WEST PROPERTY LINE. THE APPLICANT SHALL PROVIDE FEES IN LIEU OF AMOUNTING TO 62.5% OF THE ESTIMATED COST OF AN 8-FOOT WIDE BIKE/PEDESTRIAN ASPHALTIC PATH LINKING BLAND CIRCLE NEAR LOT 3 AND THE NORTHWEST CORNER OF LOT 12. AT SUCH TIME THAT THE PROPERTY TO THE WEST OF RENAISSANCE 5 IS DEVELOPED, THAT DEVELOPER WILL PROVIDE A 10-FOOT WIDE PUBLIC TRAIL EASEMENT AND PAY HALF THE COST OF AN 8-FOOT ASPHALTIC PATH SO THAT THE PUBLIC WILL ULTIMATELY HAVE A 20-FOOT WIDE TRAIL EASEMENT CONTAINING AN 8-FOOT WIDE ASPHALTIC PATH, APPROXIMATELY 682-FEET IN LENGTH, FROM BLAND CIRCLE TO THE PROPERTY NORTHWEST OF LOT 12. THE APPLICANT'S FINAL GRADING PLAN SHALL BE REVIEWED AND APPROVED BY THE WEST LINN PARKS AND RECREATION DIRECTOR SO AS TO PROVIDE FOR THE FUTURE PLACEMENT BY THE PARKS DEPARTMENT OF A PAVED TRAIL WITHIN THE EASEMENT AREA. THE APPLICANT SHALL ALSO INSTALL, PRIOR TO FINAL PLATTING, A FENCE WITH A MINIMUM HEIGHT OF FOUR FEET ALONG THE EAST EDGE OF THE TRACT THAT IS CONVEYED TO THE CITY OF WEST LINN. THIS FENCE SHALL DELINEATE THE TRACT AND KEEP USERS OFF ABUTTING PRIVATE PROPERTY.~~

3. THE APPLICANT SHALL INSTALL HALF STREET IMPROVEMENTS PLUS A TRAVEL LANE ALONG THE FRONTAGE OF THE PROTERY ON BLAND CIRCLE. NO SIDEWALKS ARE REQUIRED ON BLAND CIRCLE.(BUT AN ADA CURB CUT TO ACCESS THE FOOTPATH ON THE WEST EDGE OF THE PROPERTY IS REQUIRED.)
4. THE DETENTION METHOD AND FACILITY SHALL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
5. THE WATER QUALITY TREATMENT METHOD AND FACILITY SHALL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
6. A PLANTER STRIP ON BLAND CIRCLE SHALL HAVE STREET TREES (TWO-INCH CALIPER) PLANTED APPROXIMATELY 25 FEET ON CENTER FOR THE ENTIRE FRONTAGE.
7. ALL WATER METER LOCATIONS SHALL MEET CITY STANDARDS.
8. ALL PUBLIC IMPROVEMENTS SHALL MEET EXISTING CITY OF WEST LINN CONSTRUCTION STANDARDS.
9. ALL STREET LIGHTS SHALL BE DOWNWARD FOCUSED AND SHIELDED WITH NO GLOBE OR OMNIDIRECTIONAL LIGHTING PERMITTED.
- ~~10. TO MITIGATE FOR THE REMOVAL OF NINE TREES WITHOUT APPROVAL, THE APPLICANT WILL PLANT 18 TREES IN HIS HALF OF THE TRAIL CORRIDOR. THE TREES WILL BE EVENLY DISTRIBUTED ALONG THE CORRIDOR. THE TREES SHALL CONSIST OF A NATIVE MIX OF TREES WITH EIGHT DOUGLAS FIRS (8-10 FEET IN HEIGHT, EXCLUDING ROOT BALL), FIVE MAPLES (TWO-INCH CALIPER) AND FIVE CEDARS (TWO-INCH CALIPER). THE APPLICANT SHALL INSTALL AN IRRIGATION SYSTEM TO ENSURE THE SURVIVAL OF THE TREES. THE CITY ARBORIST SHALL APPROVE THE IRRIGATION SYSTEM AND FINAL TREE SELECTION AND LOCATION.~~
11. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE AND APPROVED PRIOR TO SITE PREPARATION OR GRADING.
12. STREET LIGHT FIXTURES AND LOCATION MUST BE APPROVED BY THE PLANNING DIRECTOR.

I/WE DECLARE TO HAVE NO INTEREST IN THE OUTCOME OF THIS DESICION DUE TO SOME PAST OR PRESENT INVOLVEMENT WITH THE APPLICANT, THE SUBJECT PROPERTY, OR SURROUNDING PROPERTIES, AND THEREFORE, CAN RENDER AN IMPARTIAL DECISION. THE PROVISIONS OF THE COMMUNITY DEVELOPMENT CODE CHAPTER 99 HAVE BEEN MET.

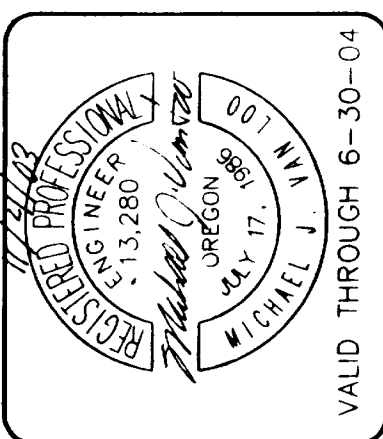
ADDITIONAL NOTES:

1. ALL EARTHWORK AND GRADING SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER.
2. SLOPES ON FILL SHALL NOT EXCEED 2:1.
3. CONNECTION TO EXISTING MANHOLE SHALL BE DONE WITH BORE AND RUBBER "BOOT".
4. IF THE RECENTLY PLACED PAVEMENT ON SW BLAND CIRCLE IS DAMAGED OR REMOVED DURING CONSTRUCTION DECISION ABOUT REPAIR WILL BE MADE BY THE CITY ON SITE PRIOR TO PAVING THE SUBDIVISION.



NO	DATE	REVISION	BY
2	11.03.03	AS-BUILT	JMU

DESIGNED BY	DATE	DRAWN BY	DATE
REVIEWED BY	DATE	PROJECT NO.	RET
SCALE	HOR 1"=40'	VERT 1"=4'	
658-NOTE		658-NOTE	

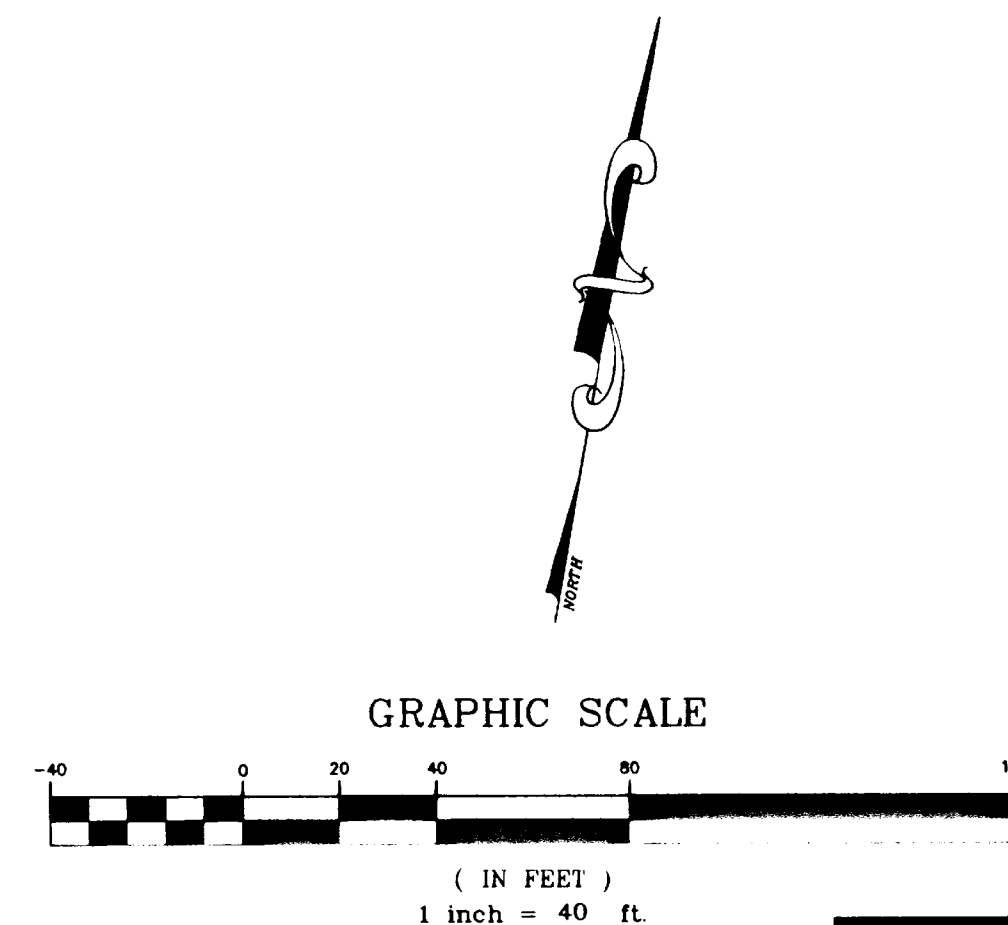
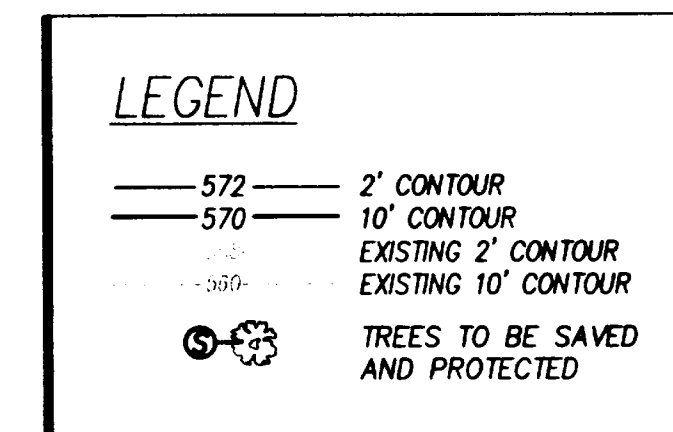
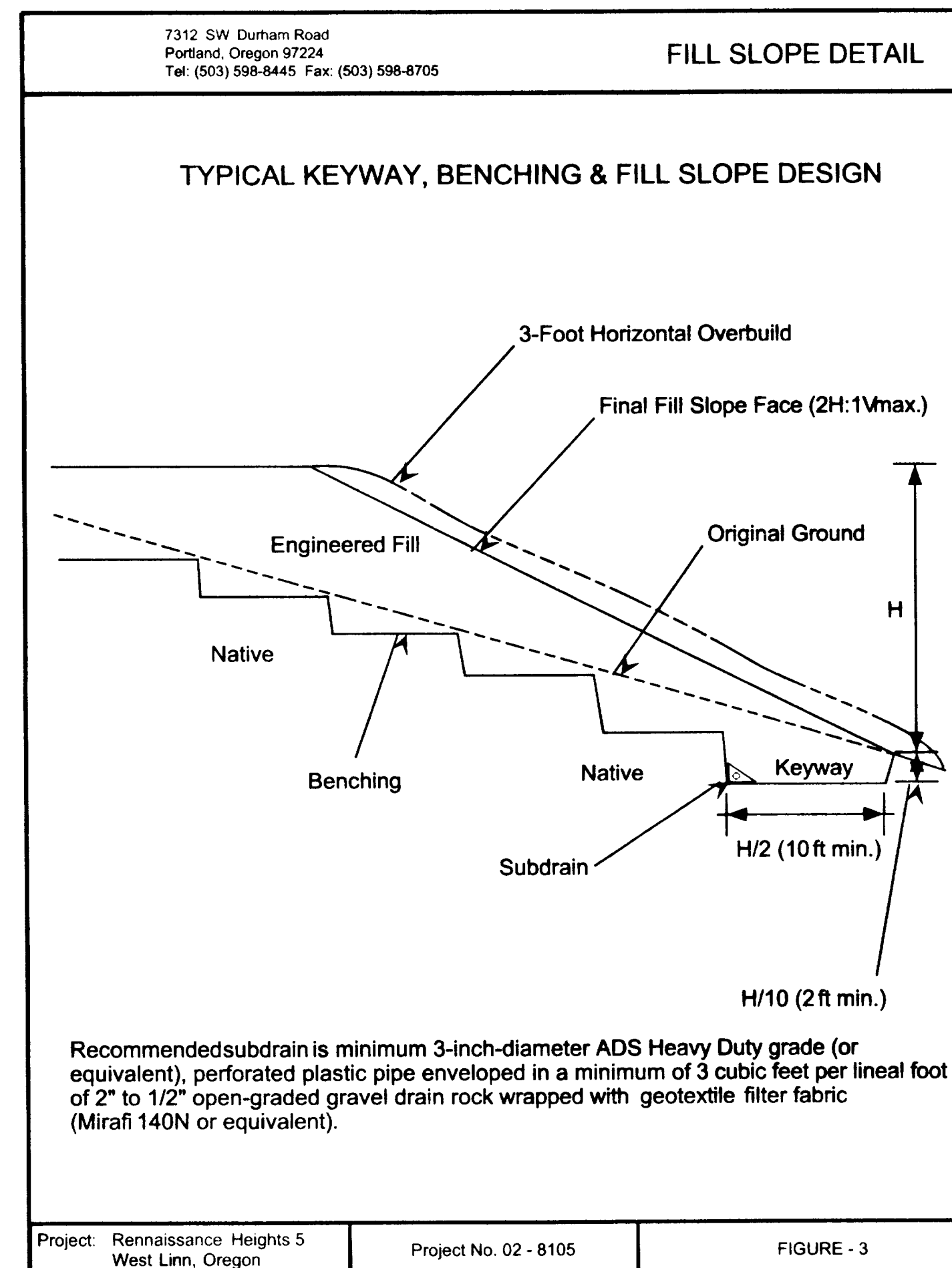
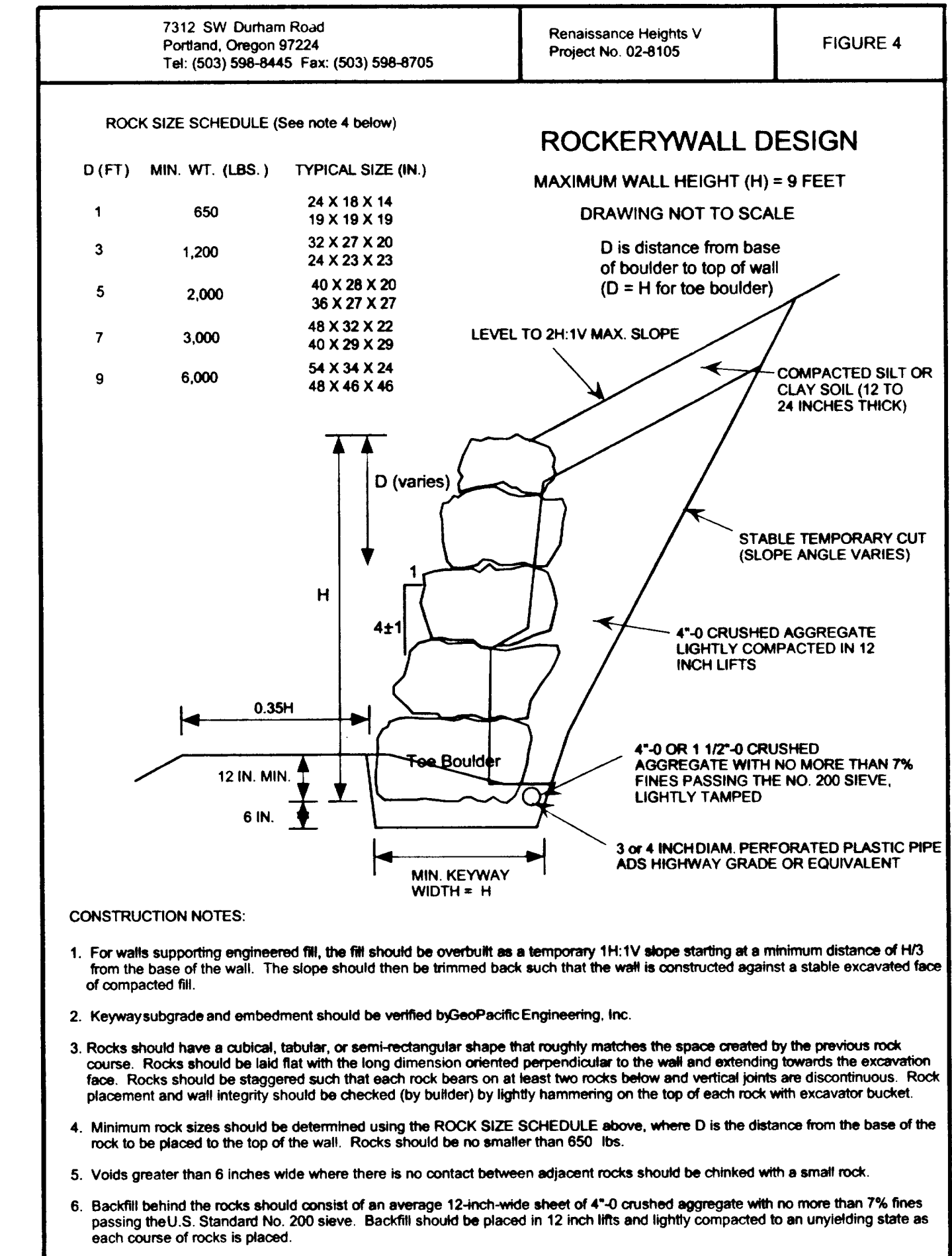
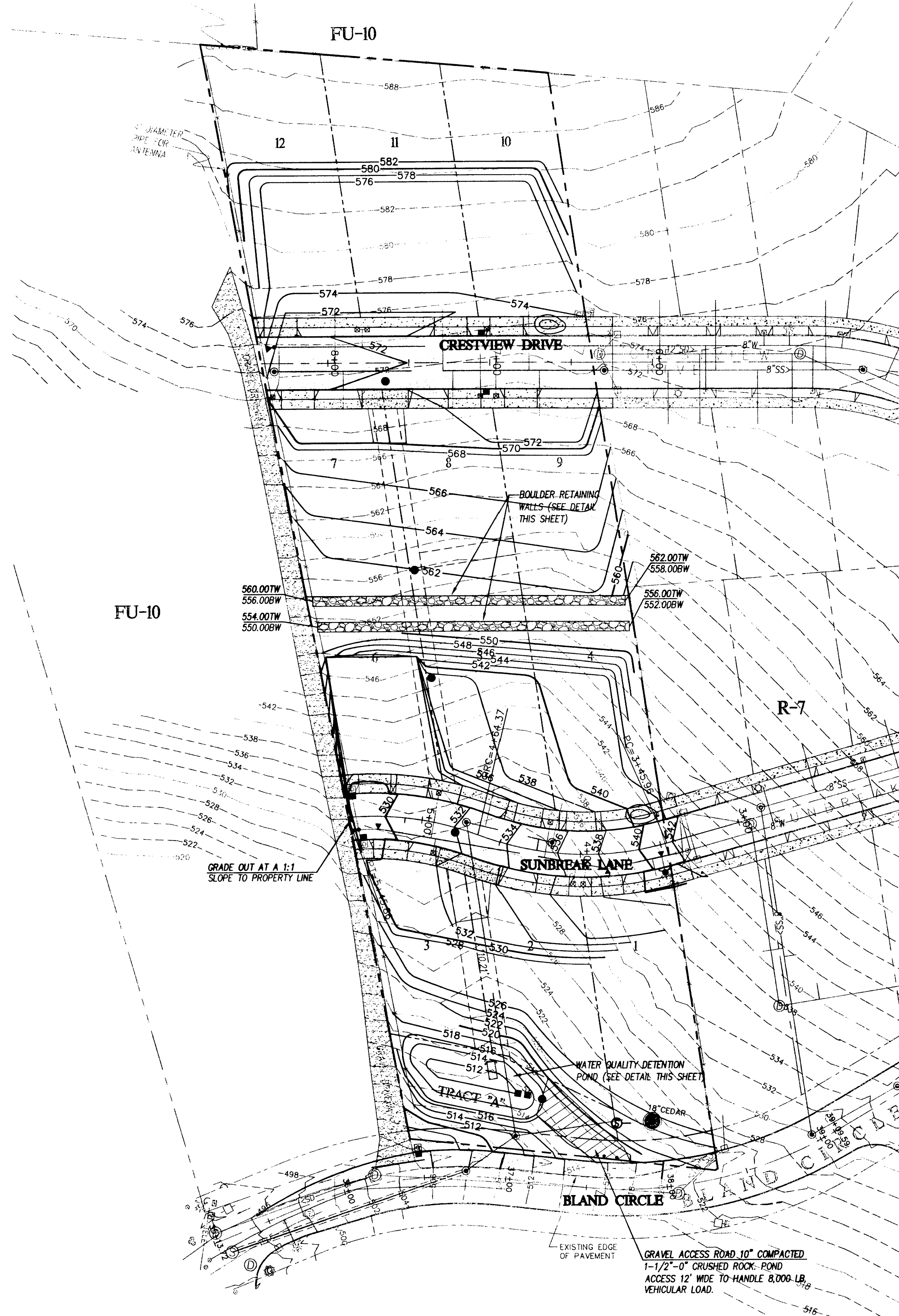
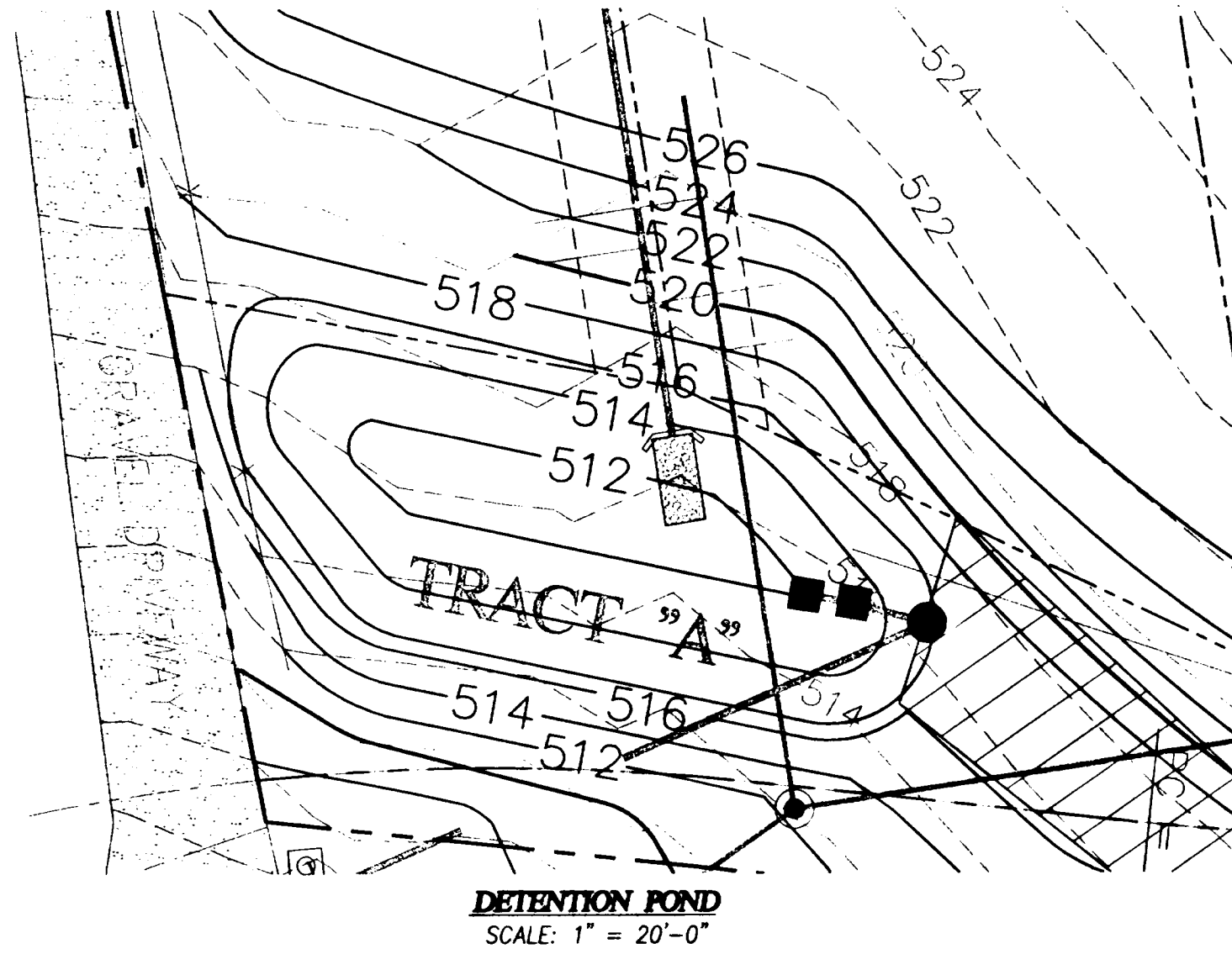


CONSTRUCTION NOTES

FLORENDO'S HIDEAWAY

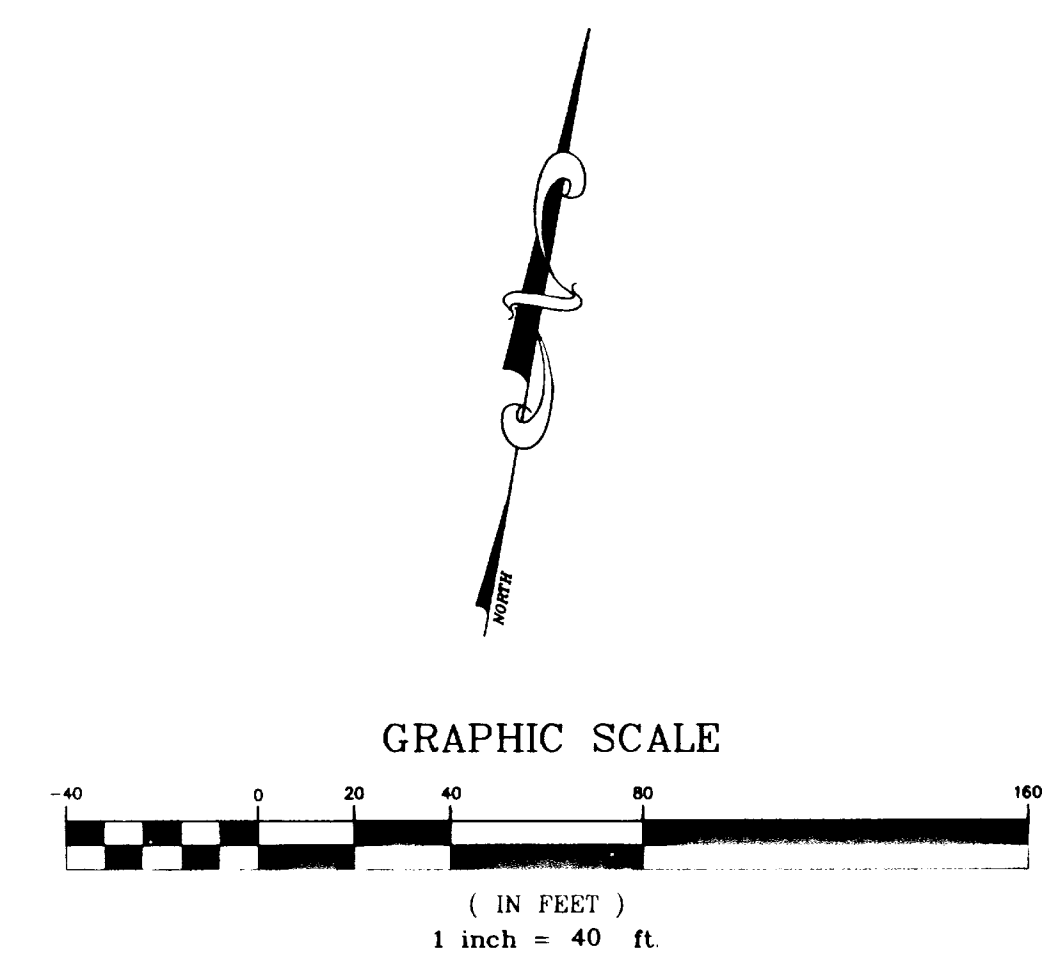
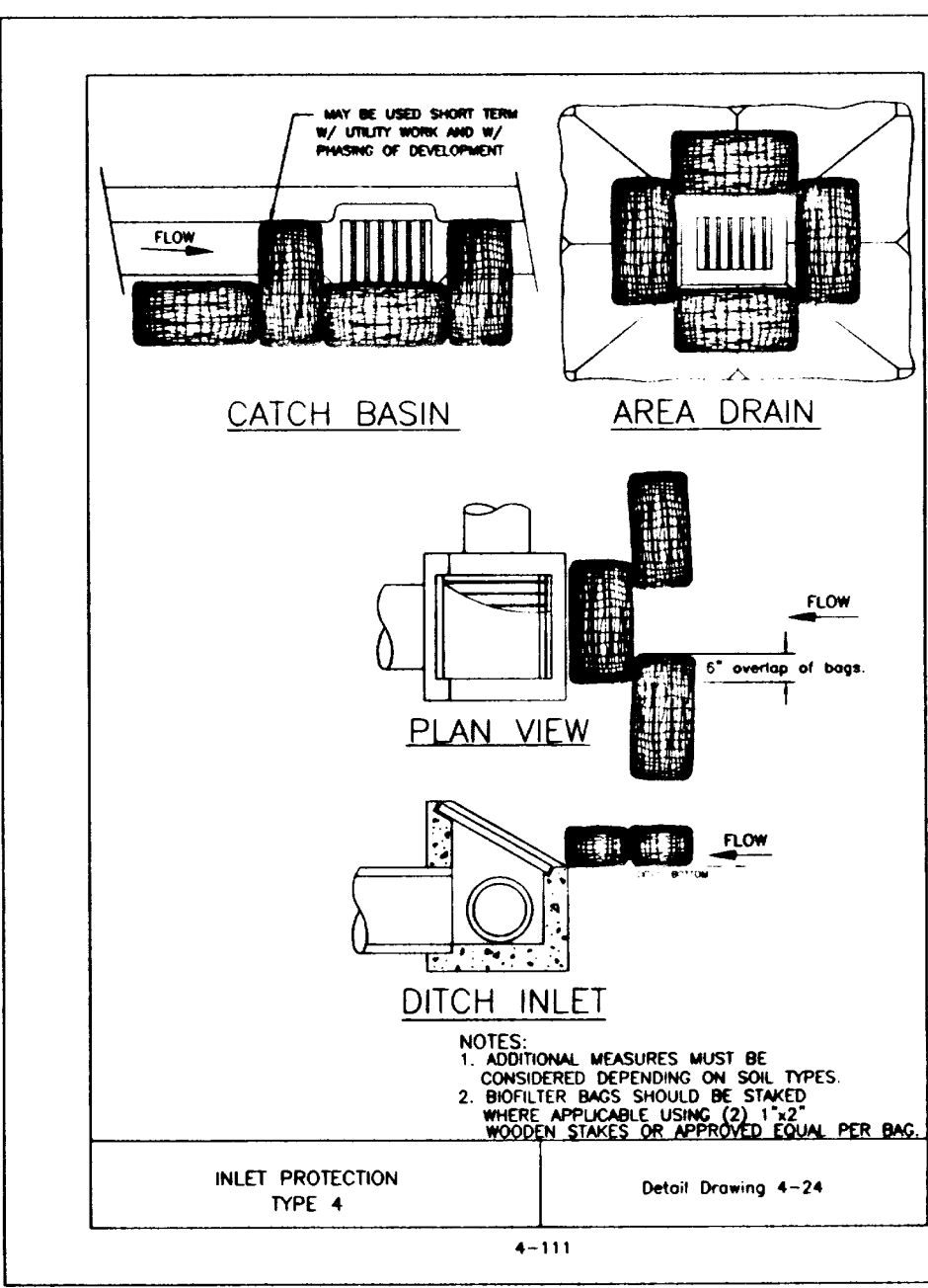
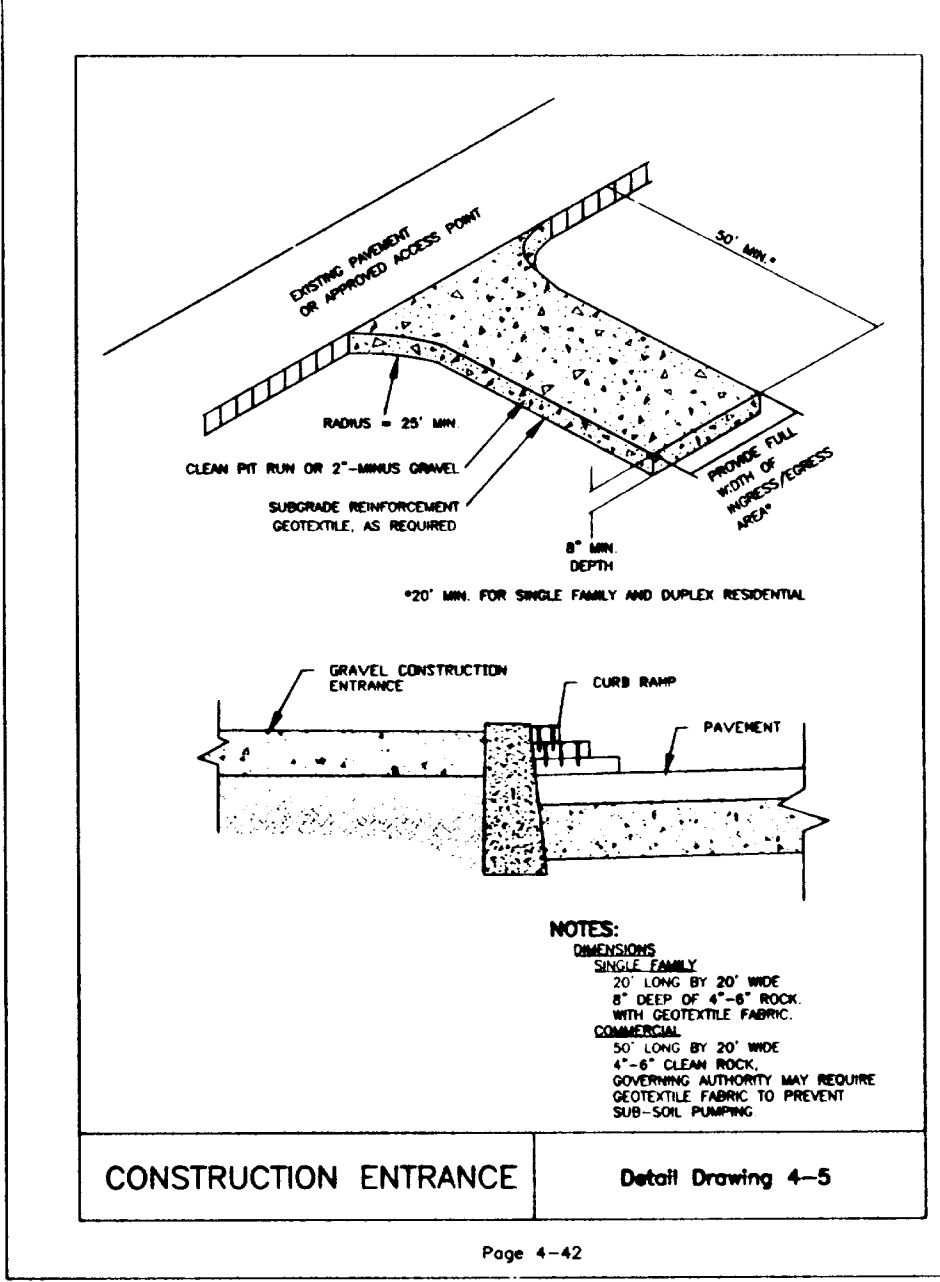
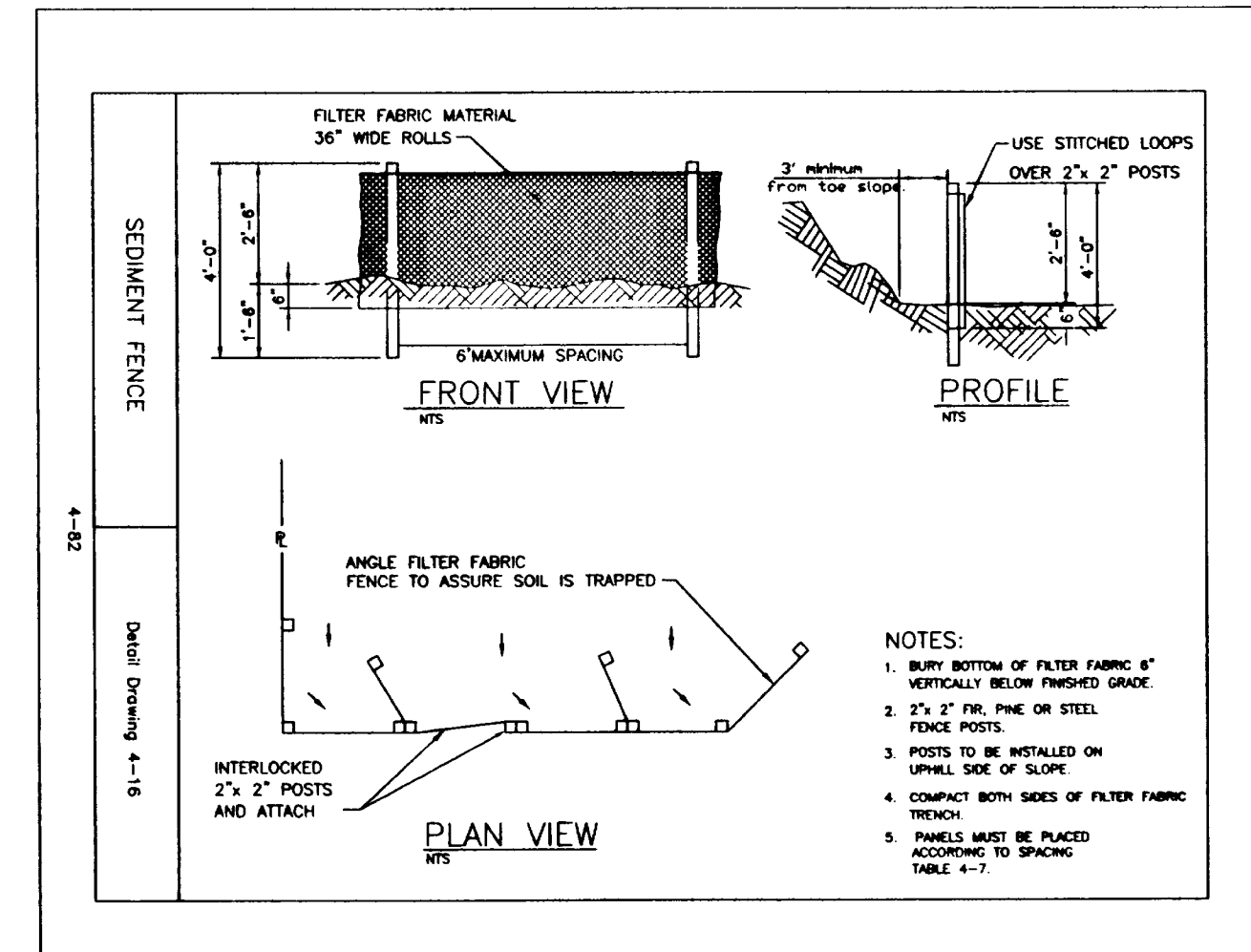
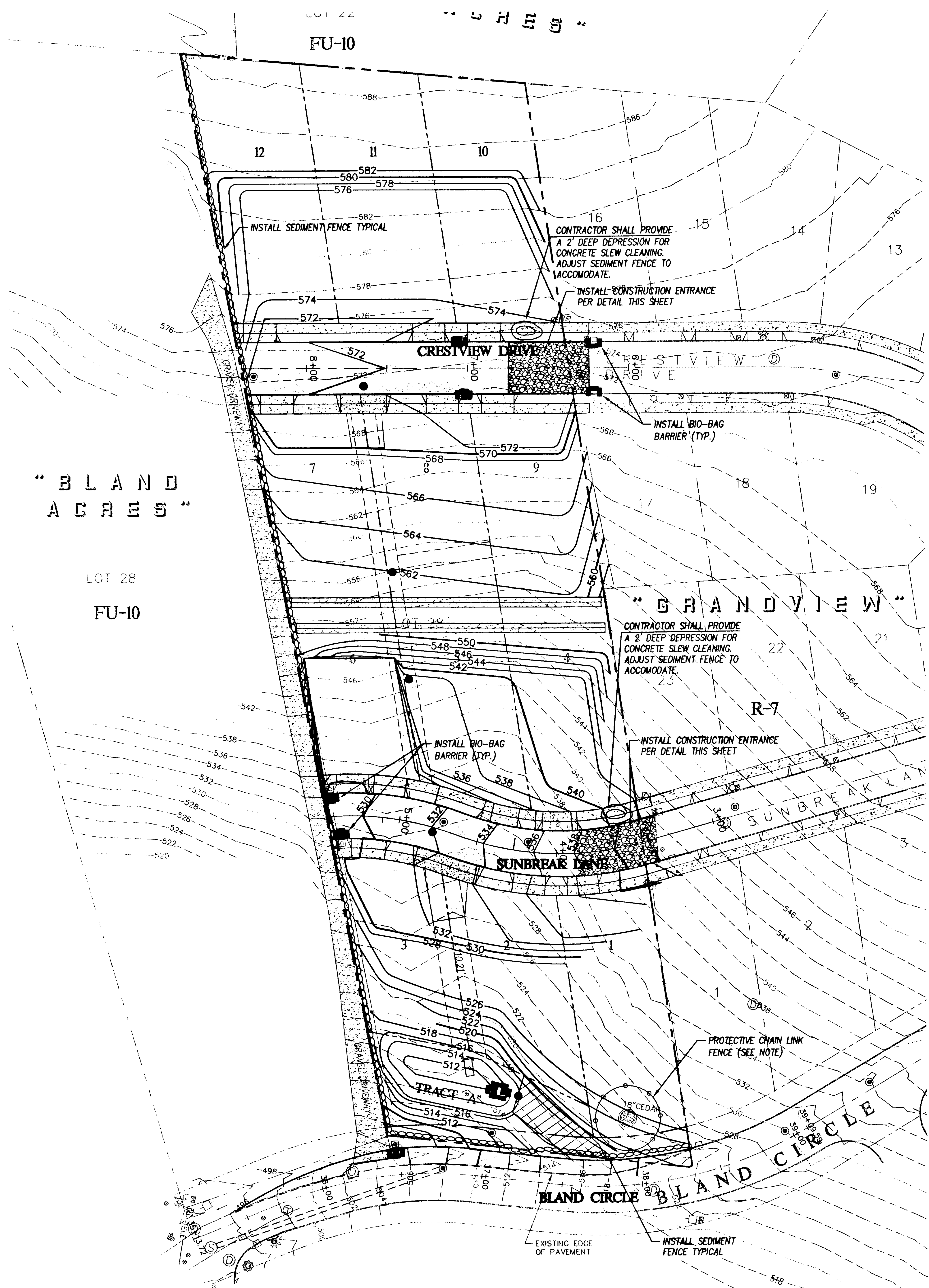
SHEET 2 OF 11

PROJECT NO.	FLORENDO'S
TYPE	CONSTRUCTION
DATE	NOVEMBER 3, 2003



AS-BUILT

DATE: NOVEMBER 3, 2003



**TREE PROTECTION NOTE:**  
CONSTRUCT 6' HIGH, CHAIN LINK FENCE 10' FROM DRIP LINE EDGE OF 18" CEDAR TREE. CONTRACTOR SHALL HAVE CITY ARBORIST TO INSPECT FENCE PRIOR TO CONSTRUCTION.

**WET WEATHER EROSION CONTROL NOTE:**  
THE WET WEATHER SEASON IS OCTOBER 1ST THROUGH APRIL 30TH.  
IF VEGETATION HAS NOT BEEN ESTABLISHED AND LANDSCAPING DONE ON THE DETENTION POND AREA PRIOR TO THE WET WEATHER SEASON, DRAIN ROCK SHALL BE USED TO PROTECT THE BOTTOM AND AFFECTED SLOPES OF THE DETENTION POND.

- LEGEND**
- 572 — 2' CONTOUR
  - 570 — 10' CONTOUR
  - 568 — EXISTING 2' CONTOUR
  - 566 — EXISTING 10' CONTOUR
  - 564 — PROPOSED STORM DRAIN MANHOLE
  - 562 — EXISTING STORM DRAIN CLEANOUT
  - 560 — PROPOSED STORM DRAIN CLEANOUT
  - 558 — EXISTING STORM DRAIN LINE
  - 556 — EXISTING SANITARY SEWER LINE
  - 554 — EXISTING WATER LINE
  - 552 — EXISTING STORM DRAIN CATCH BASIN
  - 550 — PROPOSED STORM DRAIN CATCH BASIN
  - 548 — EXISTING SANITARY SEWER CLEANOUT
  - 546 — EXISTING SANITARY SEWER MANHOLE
  - 544 — PROPOSED SANITARY SEWER MANHOLE
  - 542 — EXISTING BLOW-OFF
  - 540 — PROPOSED BLOW-OFF
  - 538 — EROSION CONTROL FENCE
  - 536 — BIO-BAGS

**AS-BUILT**  
DATE: NOVEMBER 3, 2003

**ALPHA ENGINEERING INC.**  
PLANNING DEVELOPMENT SERVICES SURVEYING  
OFFICE 503-482-8003 FAX 503-482-8043  
PLAZA WEST SUITE 230 9600 SW OAK PORTLAND OR 97223

NO.	DATE	BY	REVISION
1	11.02.03	JMU	AS-BUILT

DESIGNED BY: \_\_\_\_\_ DATE: 4-10-03

DRAWN BY: JPH DATE: 4-10-03

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT NO: 658-005 REF: 65859AS

SCALE: HORIZ 1"=40' VERT 1"=4'

65859SURF 65859UL

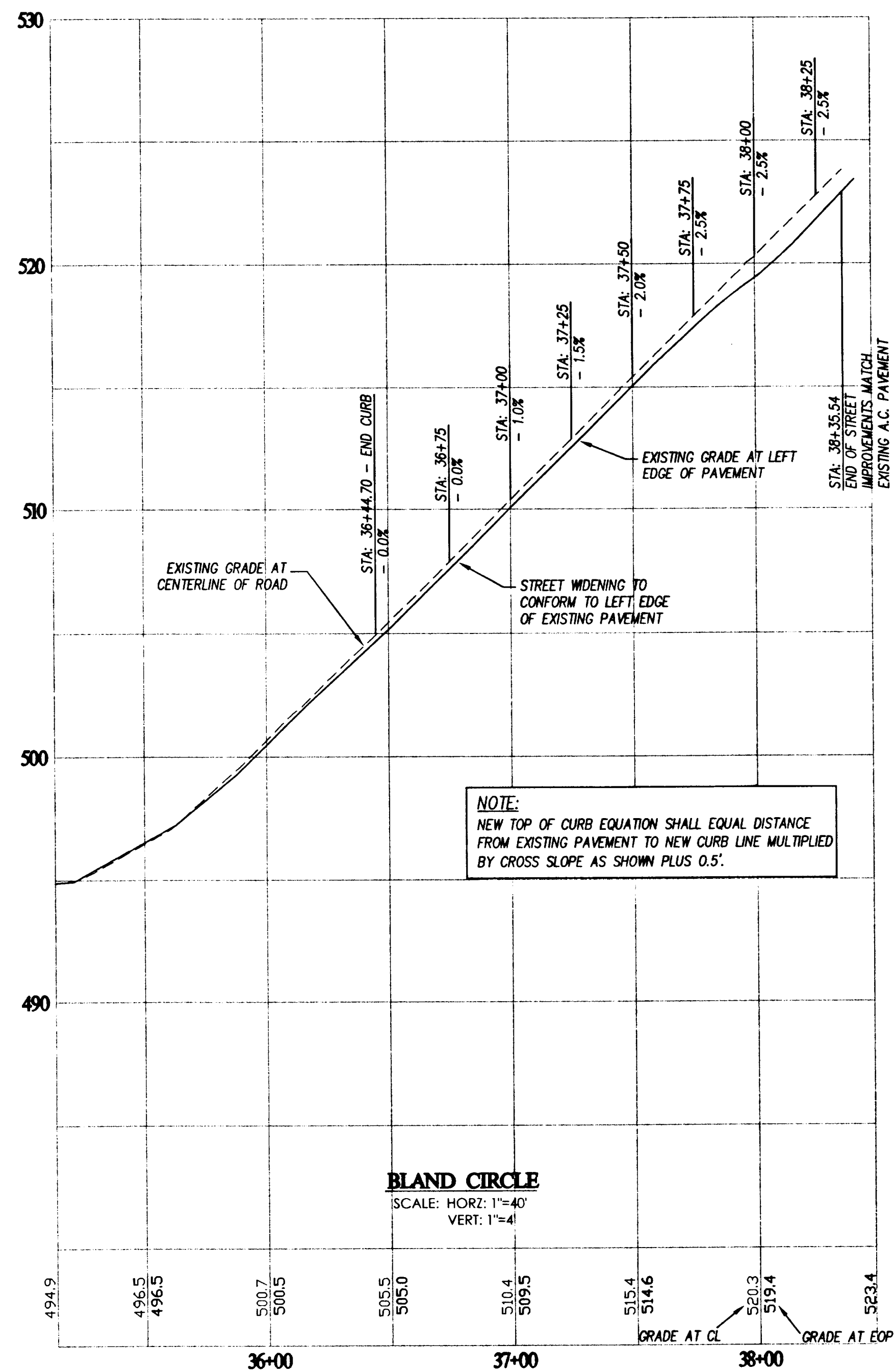
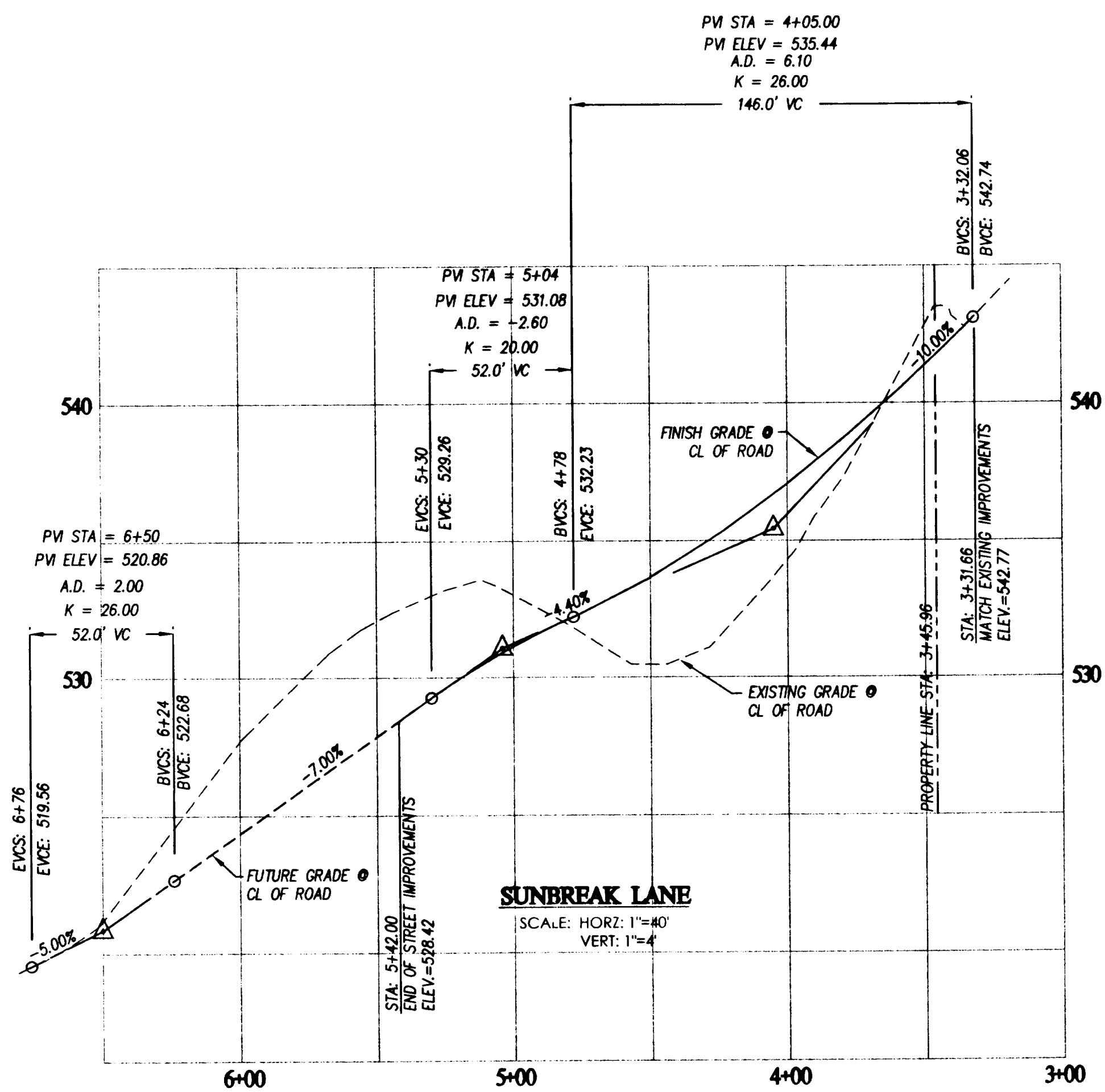
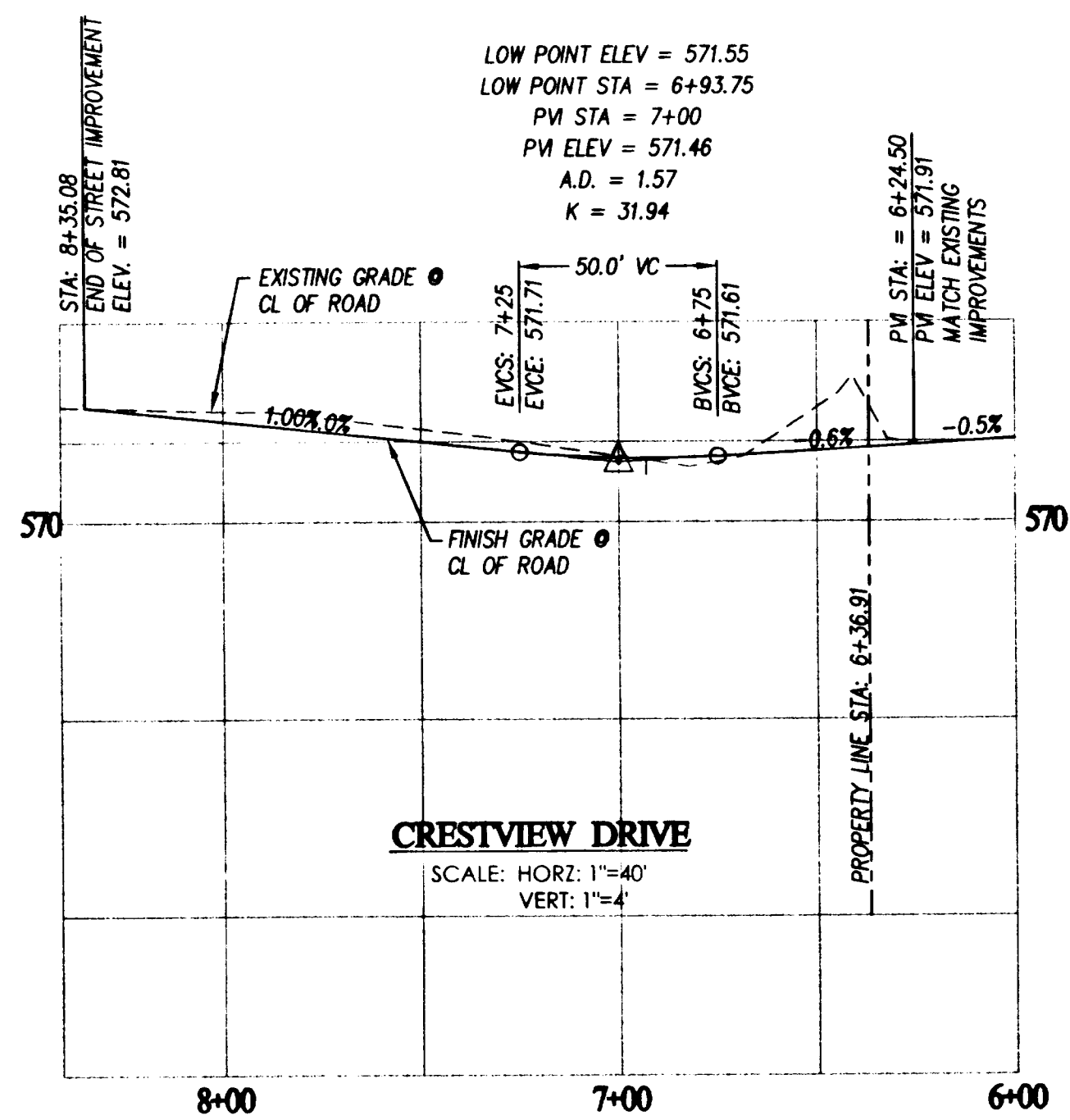
VALID THROUGH 6-30-04

**EROSION CONTROL AND TREE  
PRESERVATION PLAN**  
FLORENDO'S HIDEAWAY

SHEET **4** OF **11**

PROJECT: FLORENDO'S  
NO: 658-005  
TYPE: CONSTRUCTION





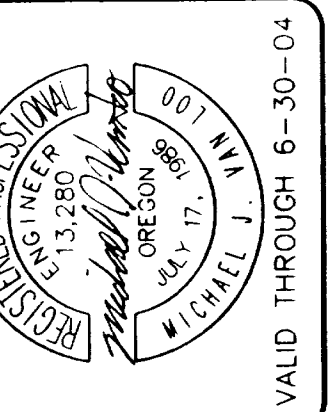
**AS-BUILT**

DATE: NOVEMBER 3, 2003

**STREET PROFILES**  
FLORENDO'S HIDEAWAY

SHEET **6** OF **11**

PROJECT: FLORENDO'S  
NO. 658-005  
TYPE CONSTRUCTION

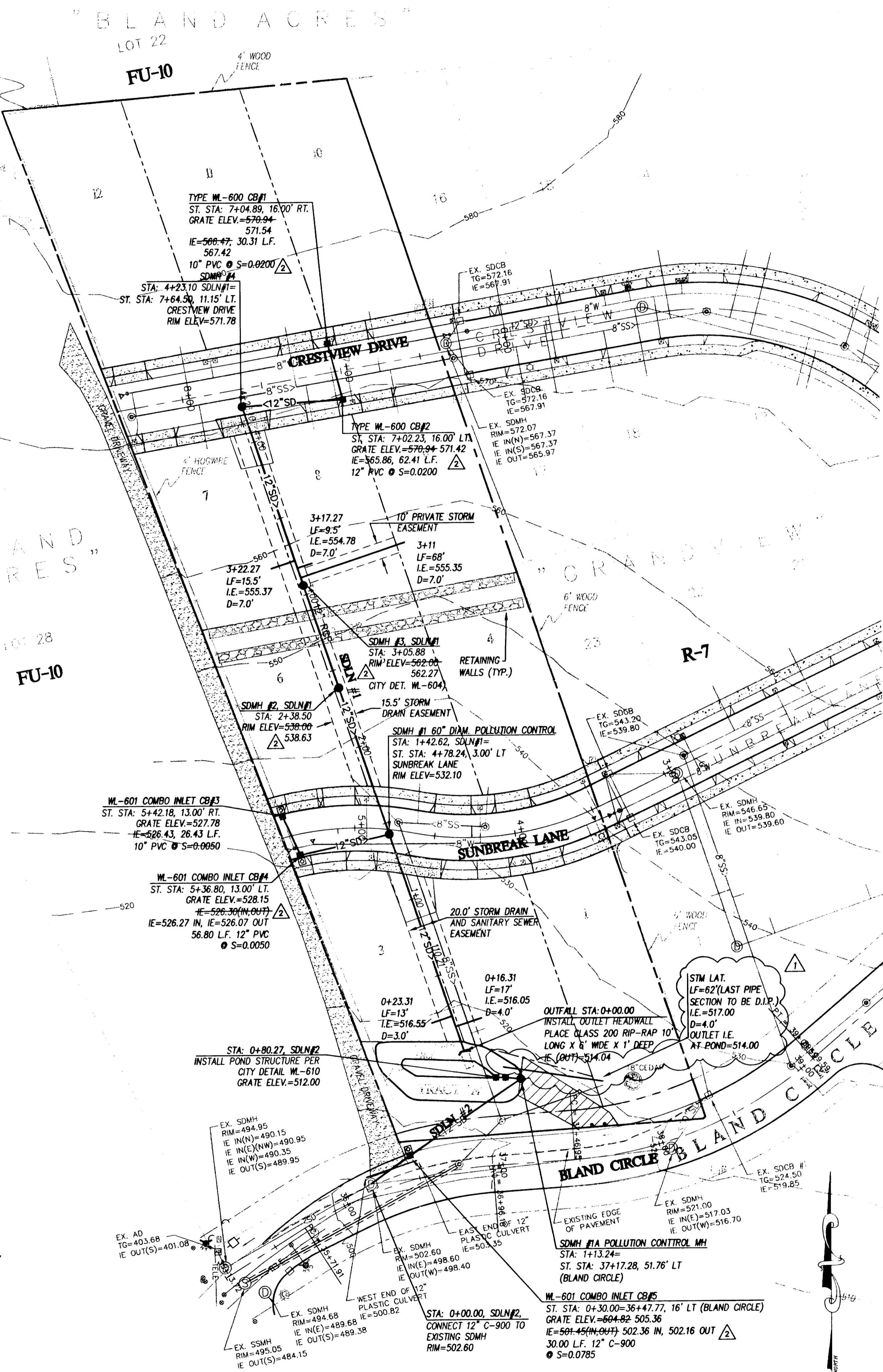
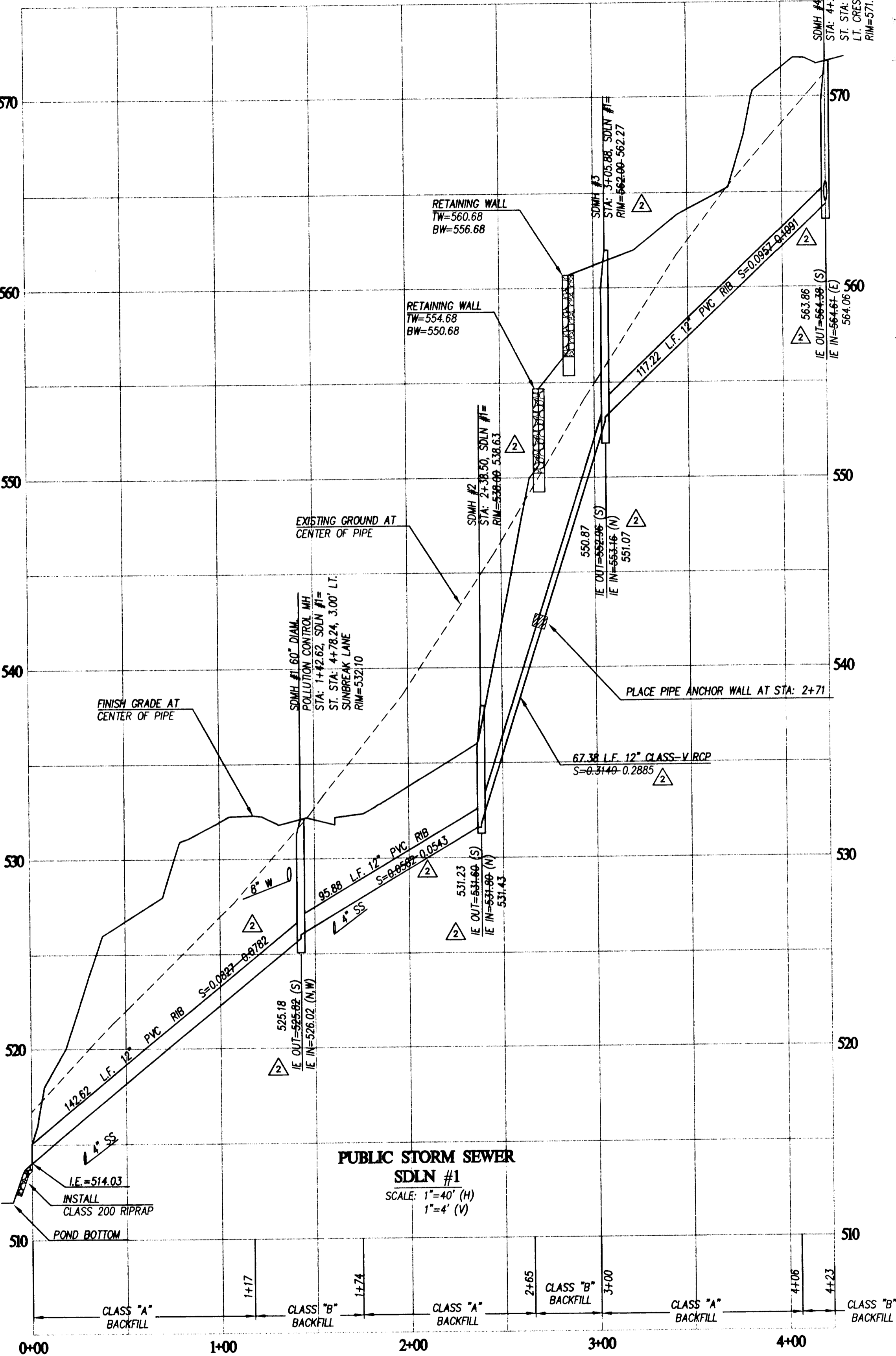
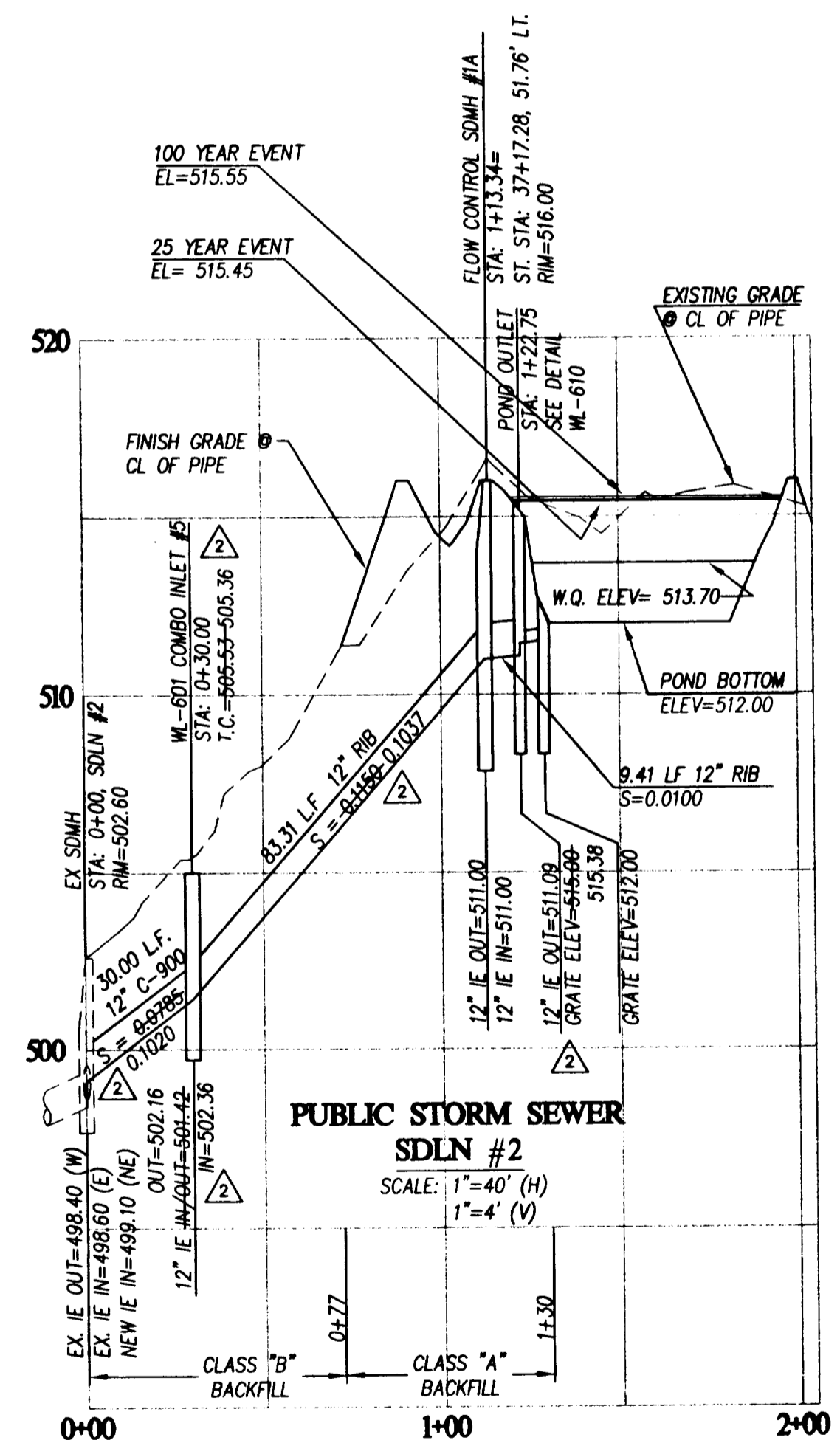
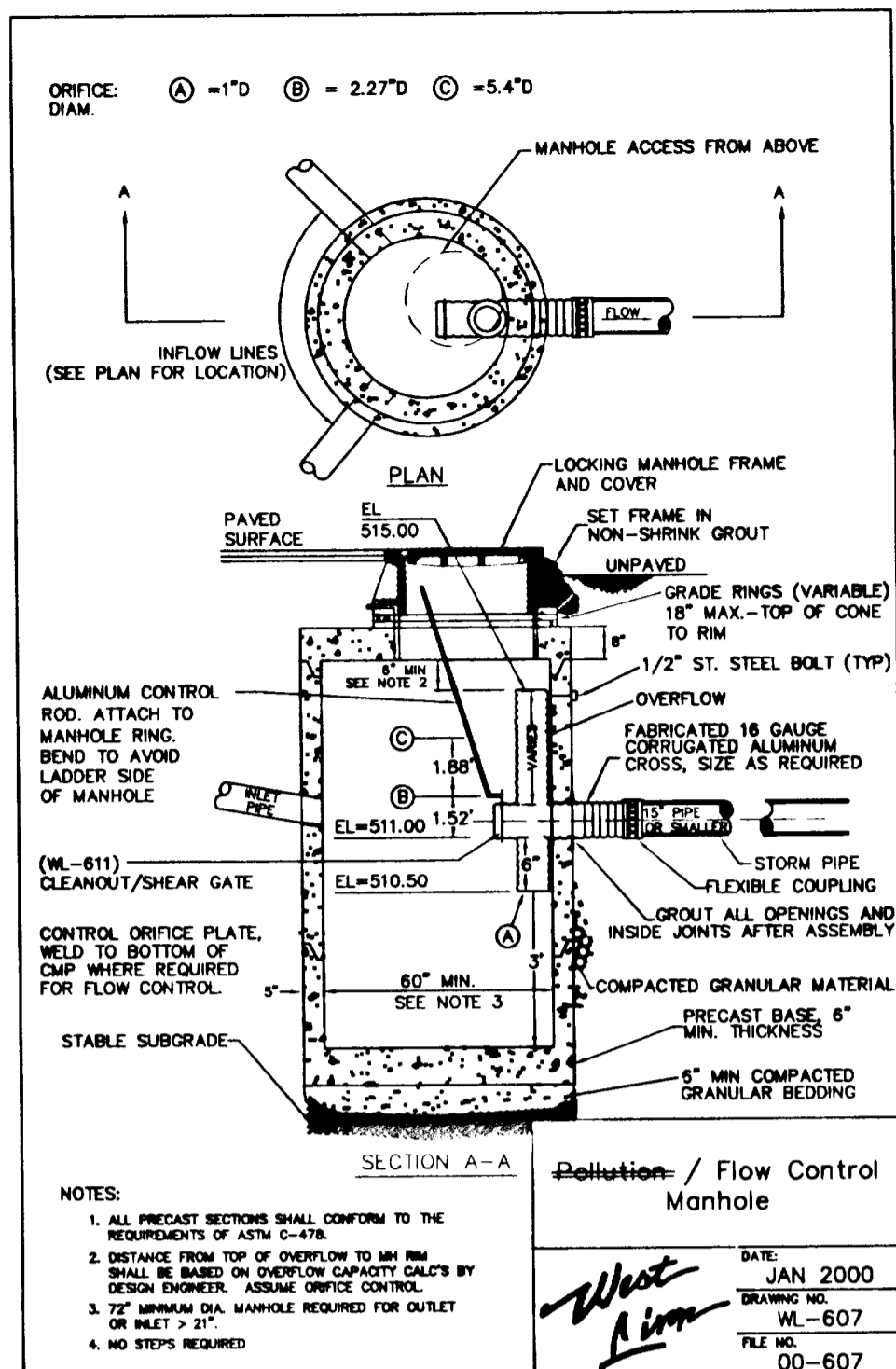


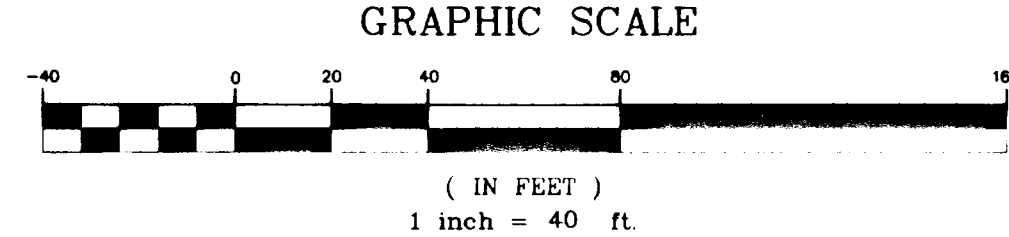
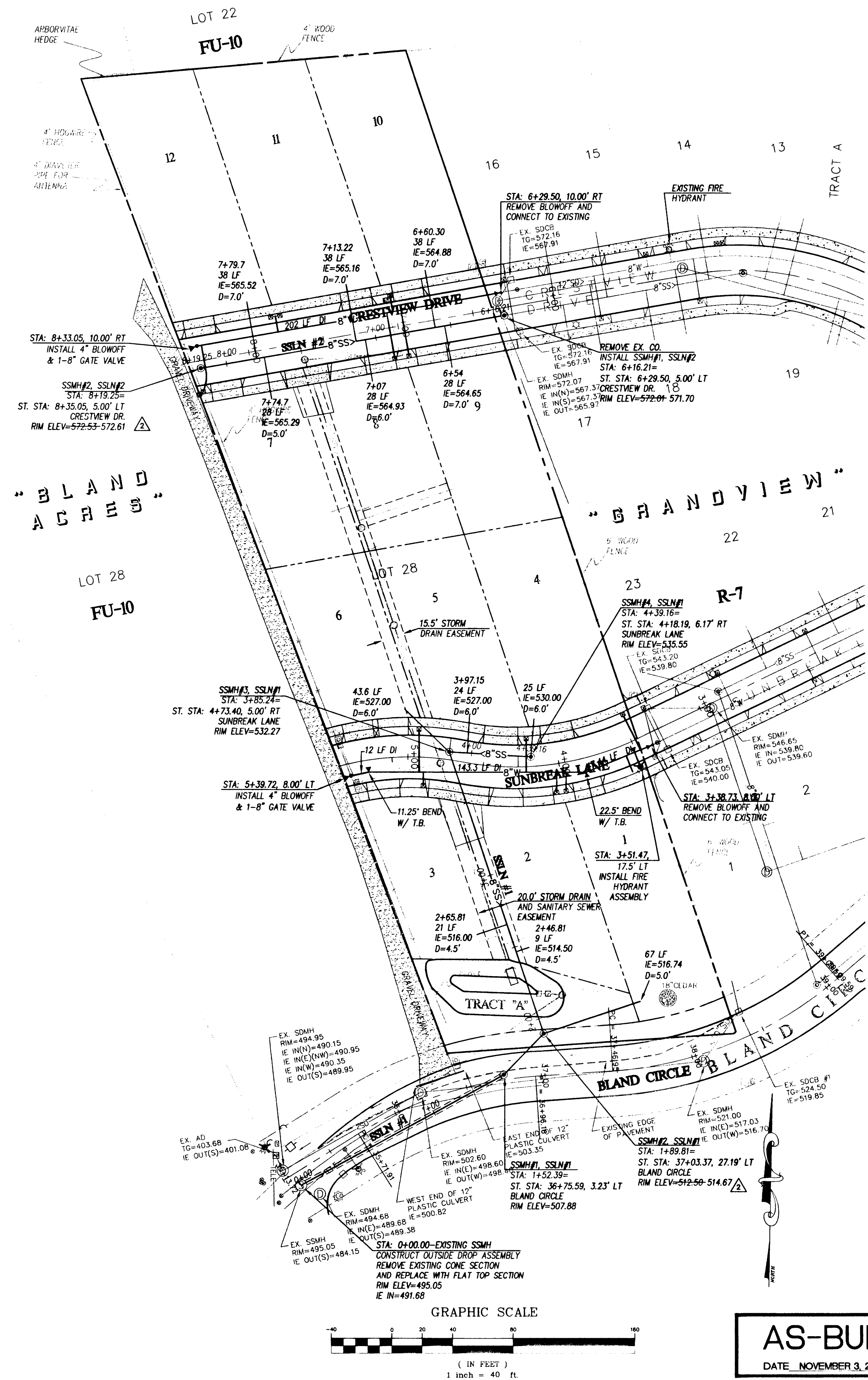
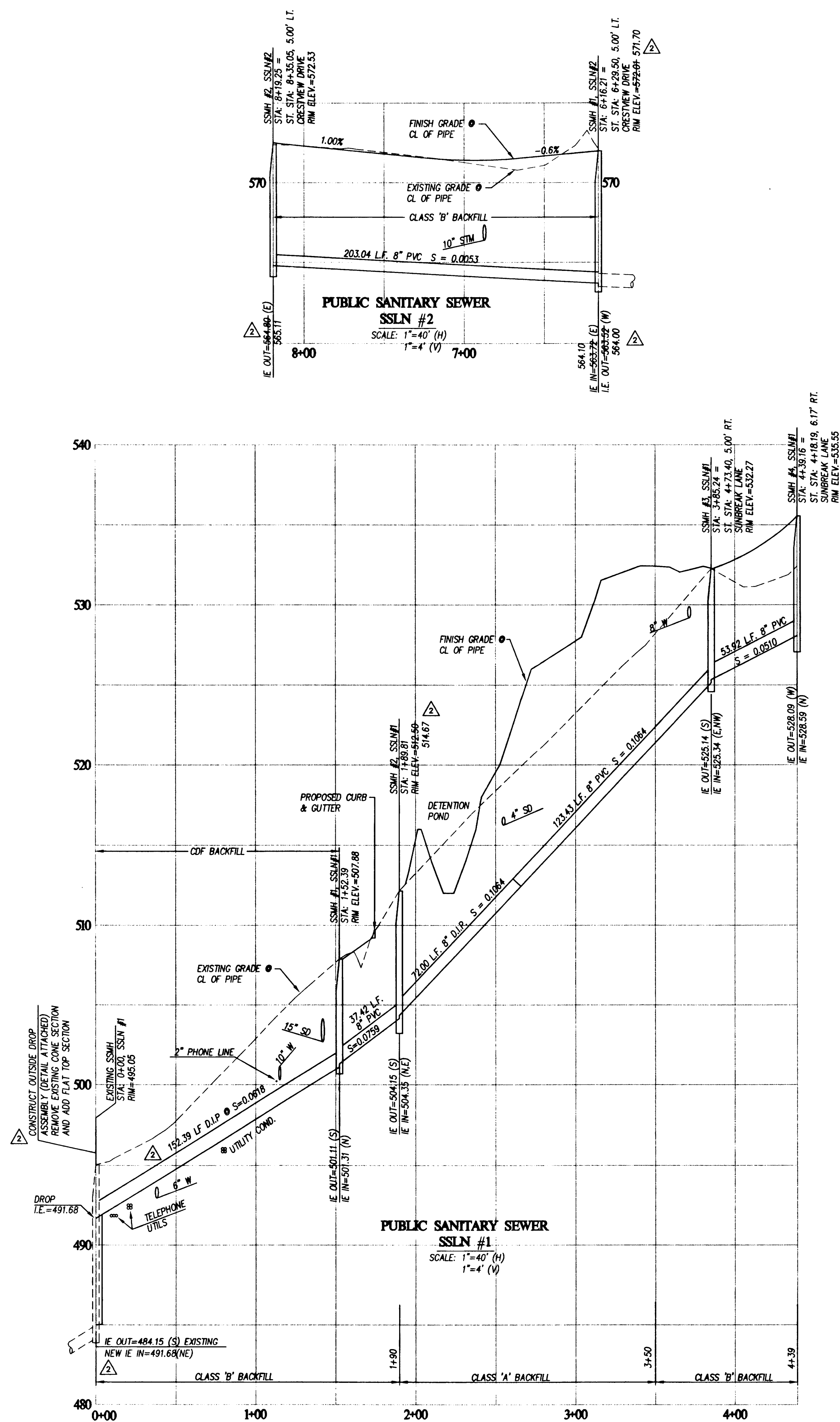
VALID THROUGH 6-30-04

DESIGNED BY: JPN DATE: 4-10-03  
DRAWN BY: JPN DATE: 4-10-03  
REVIEWED BY: DATE: REF: 658-005  
PROJECT NO. 658-005  
SCALE: HORZ: 1"=40' VERT: 1"=4'  
658BTPF.dwg

NO. DATE REVISION BY  
11/03/03 AS-BUILT JMU

**ALPHA ENGINEERING INC.**  
PLANNING DEVELOPMENT SERVICES SURVEYING  
OFFICE 609-452-8003 FAX 609-452-8043  
PLAZA WEST SUITE 230 9800 SW OAK PORTLAND OR 97223





**AS-BUILT**  
DATE: NOVEMBER 3, 2003

**ALPHA ENGINEERING INC.**  
PLANNING DEVELOPMENT SERVICES SURVEYING

OFFICE 503-462-8003 FAX 503-462-8045  
PLAZA WEST SUITE 250 8000 SW OAK PORTLAND, OR 97223

NO.	DATE	REVISION	BY
1	11.03.03	AS-BUILT	AMJ

DESIGNED BY: JRN DATE: 4-10-03

DRAWN BY: JRN DATE: 4-10-03

REVIEWED BY: DATE:

PROJECT NO: 658-005

SCALE: HORIZ 1"=40' VERT 1"=4'

658005RPT.dwg

SEAL

REGISTERED PROFESSIONAL ENGINEER

NO. 13280

STATE OF OREGON

DATE: MAY 17, 2001

MICHAEL L. L.

VALID THROUGH 6-30-04

**WATER AND SANITARY SEWER PLAN**

**AND SANITARY SEWER PROFILES**

**FLORENDO'S HIDEAWAY**

SHEET **8** OF **11**

PROJECT: FLORENDO'S

NO: 658-005

TYPE: CONSTRUCTION

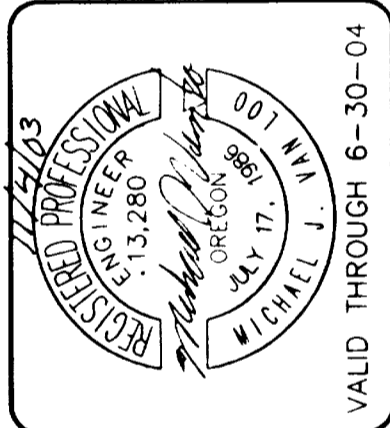


- LEGEND**
- EXISTING STORM DRAIN MANHOLE
  - PROPOSED STORM DRAIN MANHOLE
  - EXISTING STORM DRAIN CLEANOUT
  - PROPOSED STORM DRAIN CLEANOUT
  - EXISTING STORM DRAIN LINE
  - PROPOSED STORM DRAIN LINE
  - EXISTING SANITARY SEWER LINE
  - PROPOSED SANITARY SEWER LINE
  - EXISTING WATER LINE
  - PROPOSED WATER LINE
  - EXISTING STORM DRAIN CATCH BASIN
  - PROPOSED STORM DRAIN CATCH BASIN
  - EXISTING SANITARY SEWER CLEANOUT
  - PROPOSED SANITARY SEWER CLEANOUT
  - EXISTING SANITARY SEWER MANHOLE
  - PROPOSED SANITARY SEWER MANHOLE
  - EXISTING BLOW-OFF
  - PROPOSED BLOW-OFF
  - PROPOSED POWER DROP

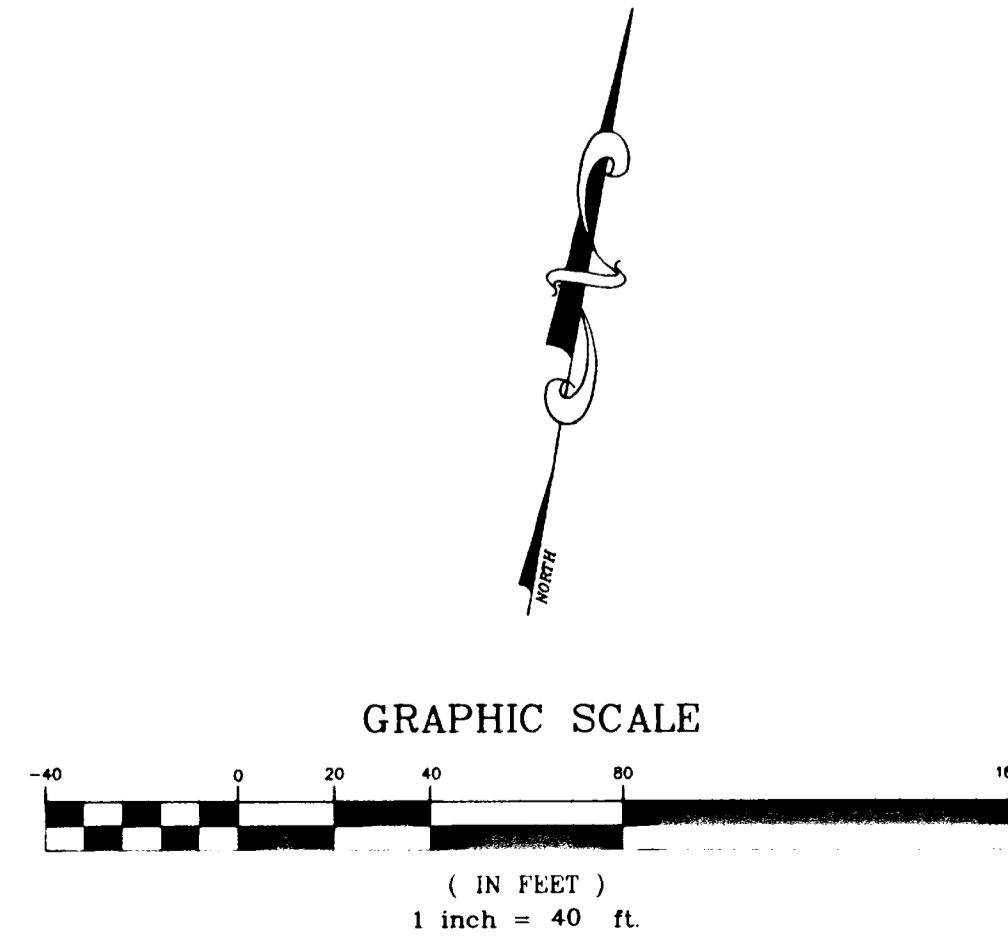
**ALPHA ENGINEERING INC.**  
PLANNING DEVELOPMENT SERVICES SURVEYING  
OFFICE 503-452-8003 FAX 503-452-8043  
PLAZA WEST SUITE 230 9800 SW OAK PORTLAND, OR 97223

NO.	DATE	REVISION	BY
1	11.03.03	AS-BUILT	JMJ

DESIGNED BY	DATE	DATE	4-10-03
DRAWN BY	JRN	DATE	
REVIEWED BY		DATE	
PROJECT NO.	658-005	REF.	65850/01
SCALE	HORIZ 1"=40'	VERT 1"=4'	65850/01S
			65850/01F
			65850/01dwp

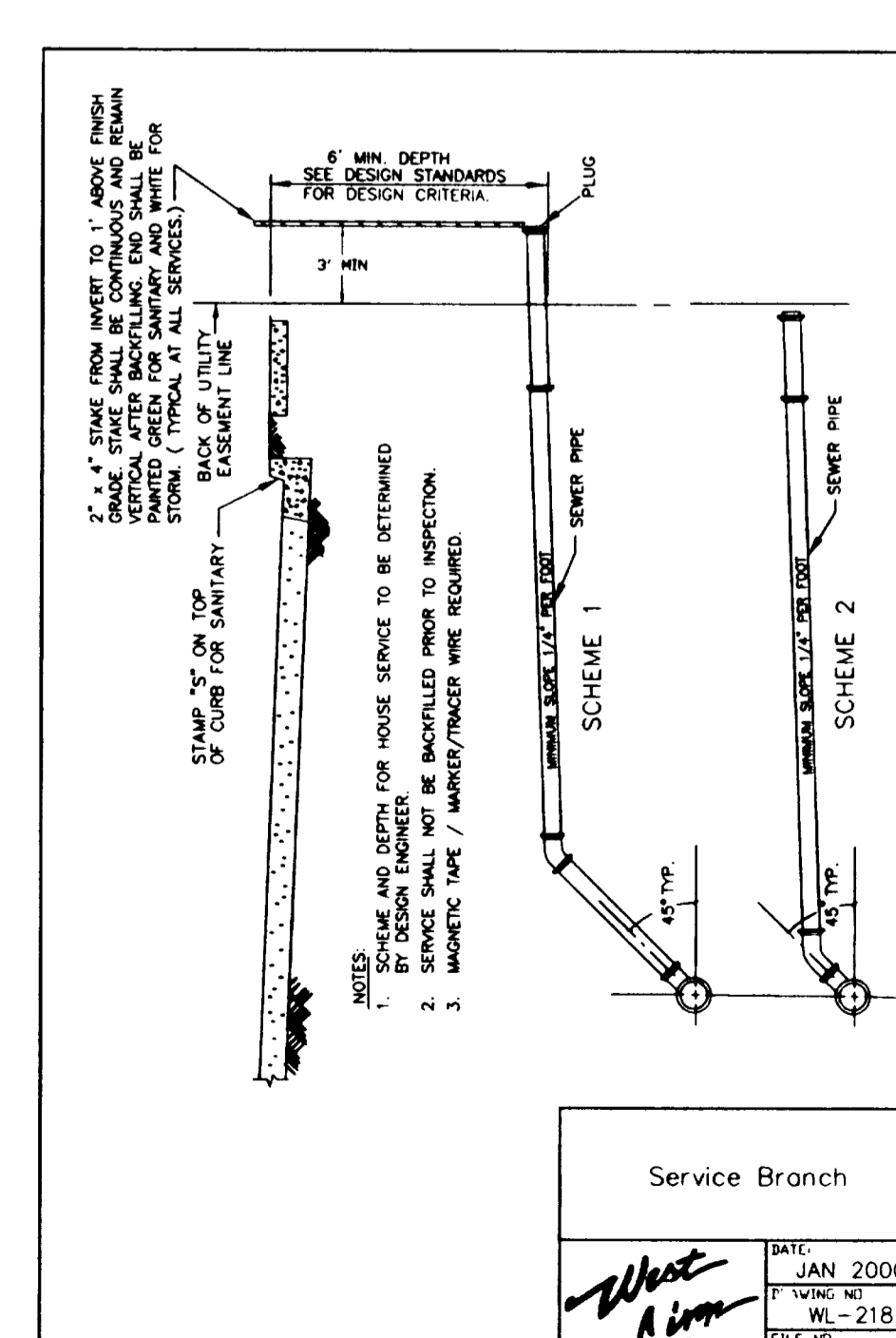
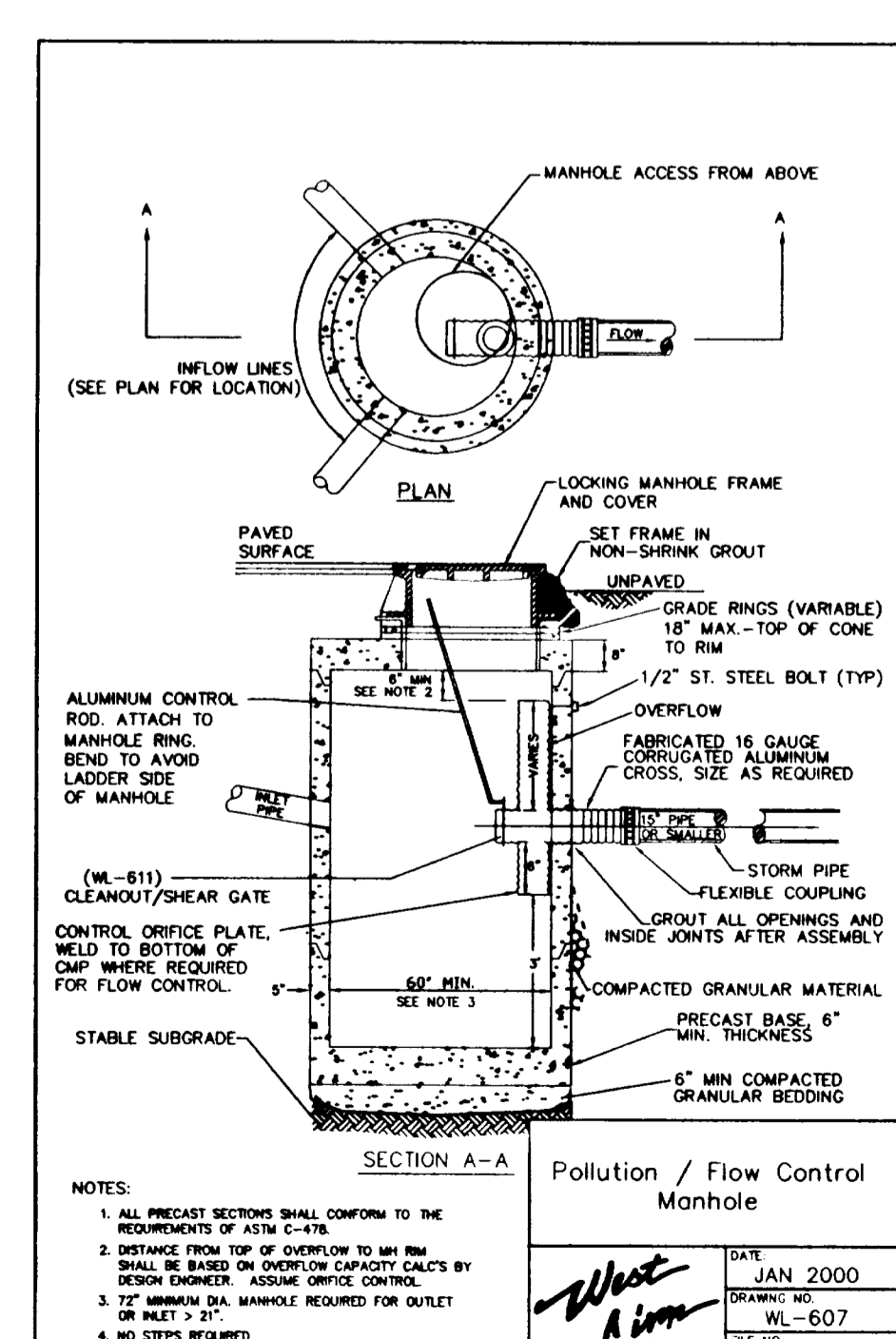
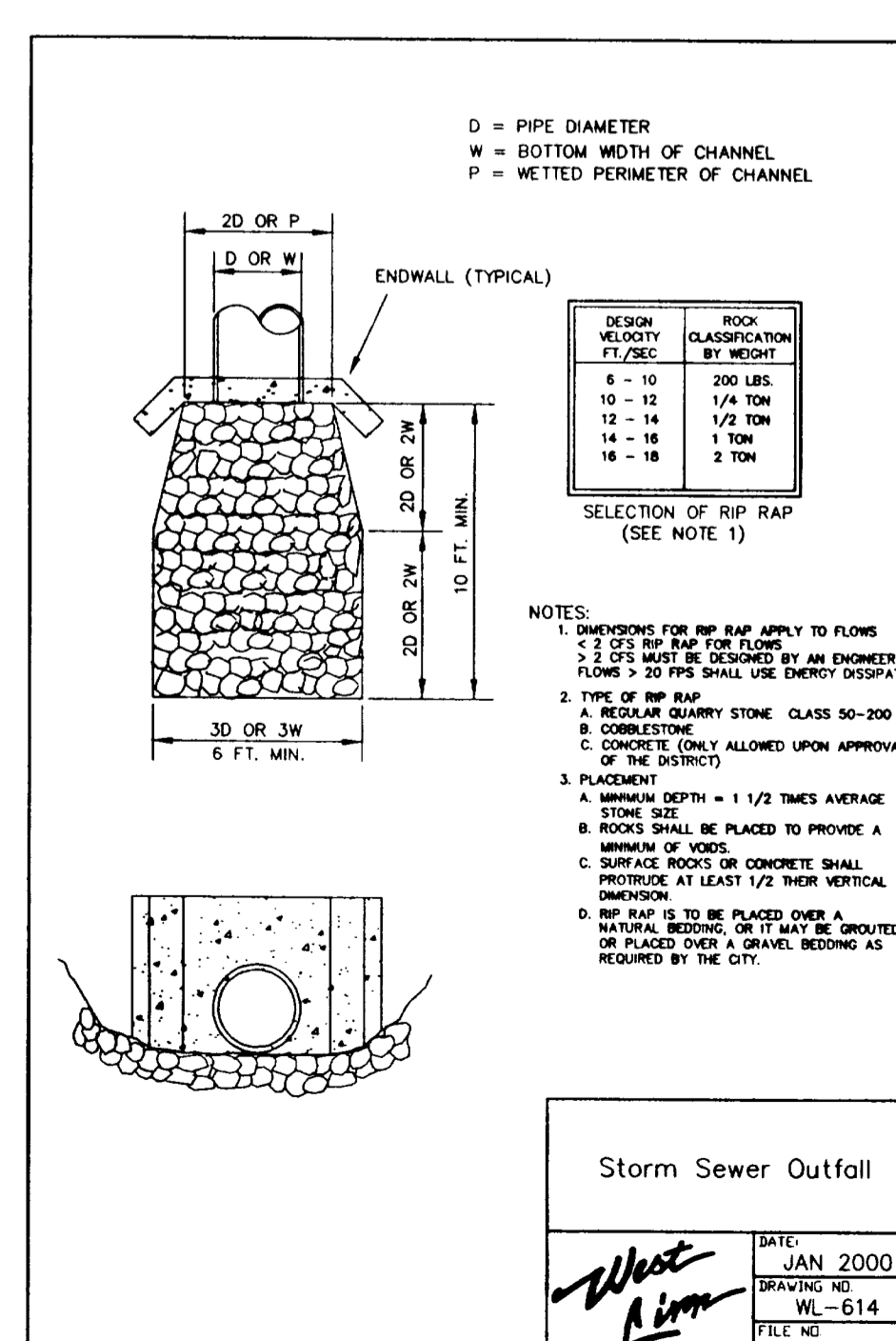
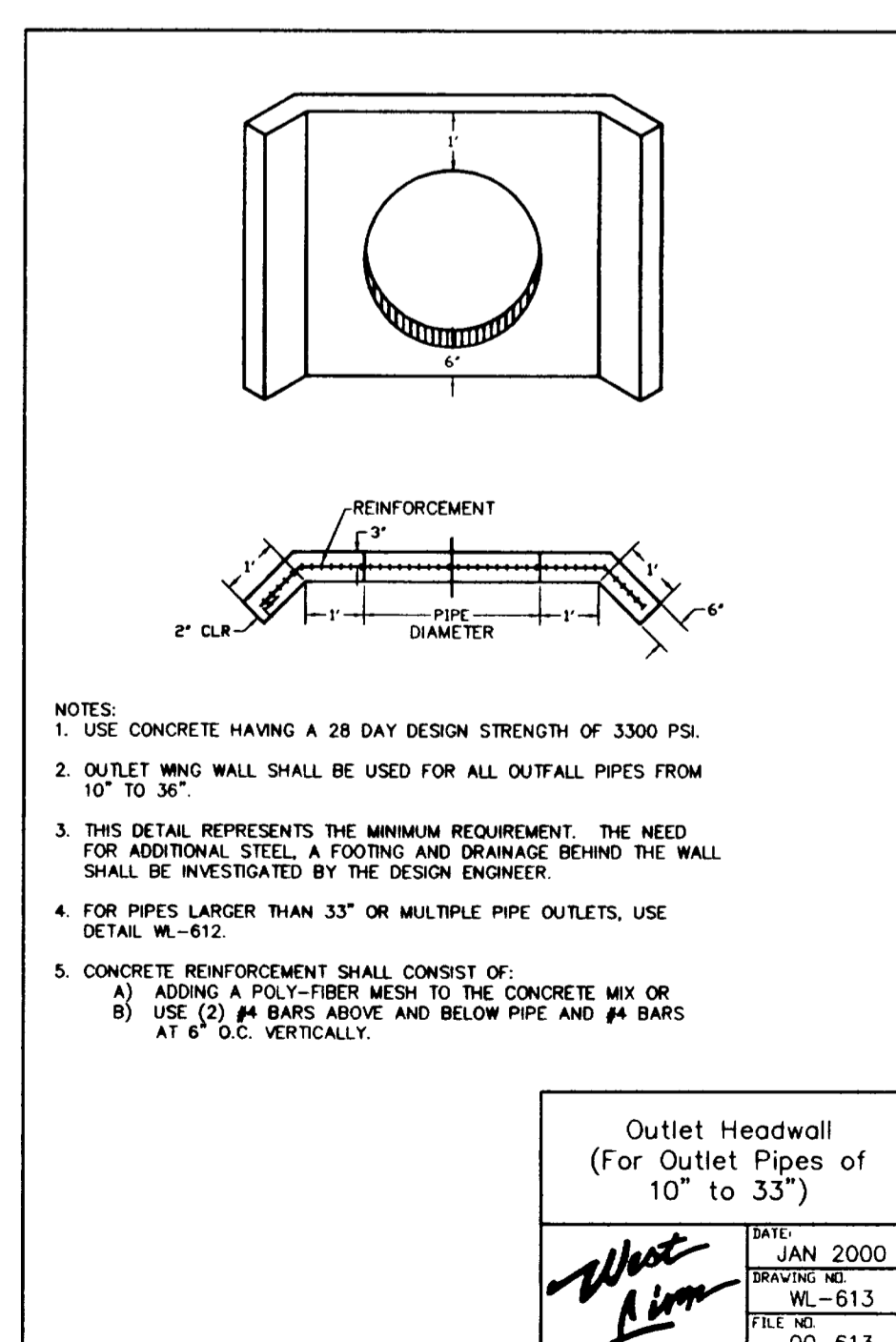
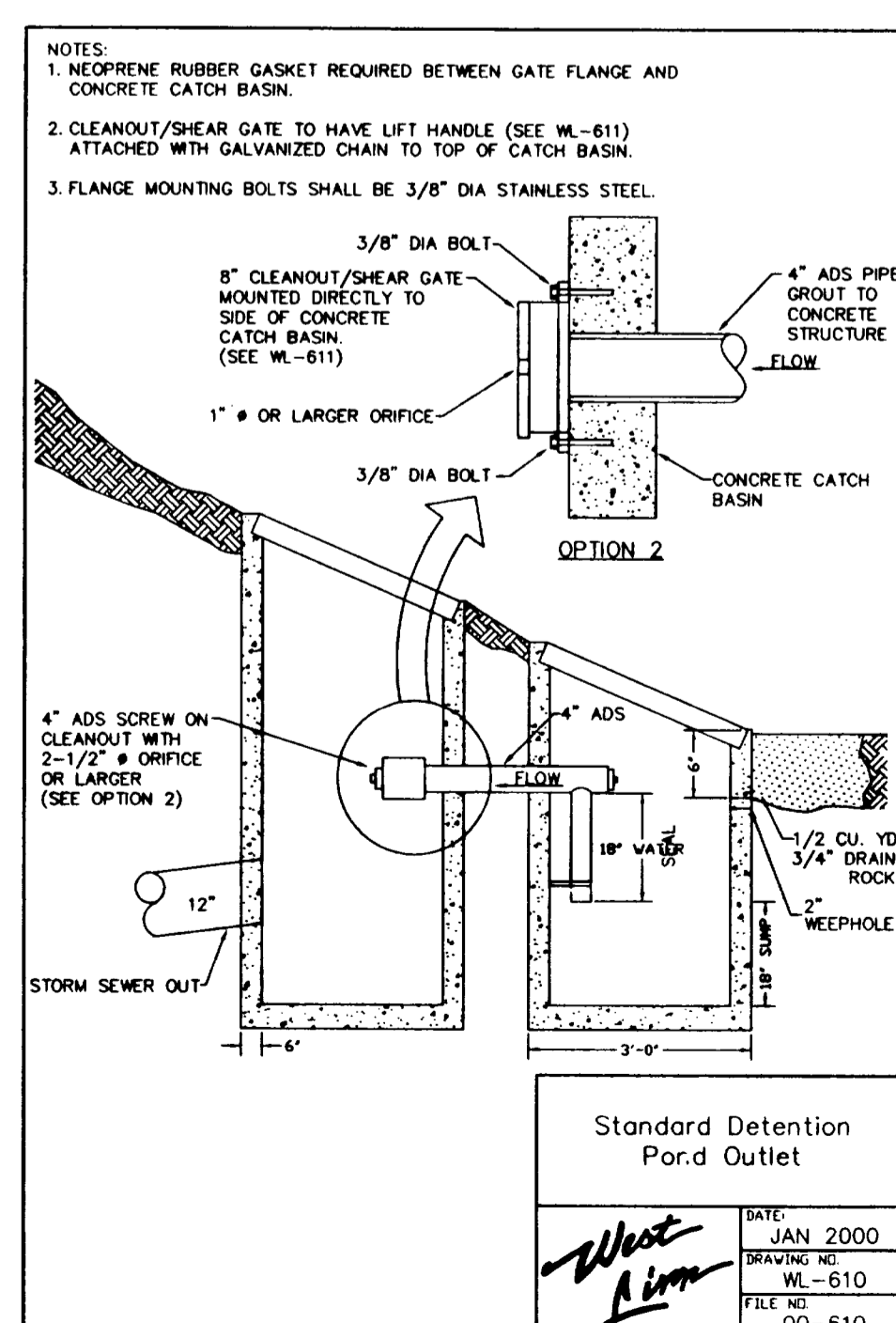
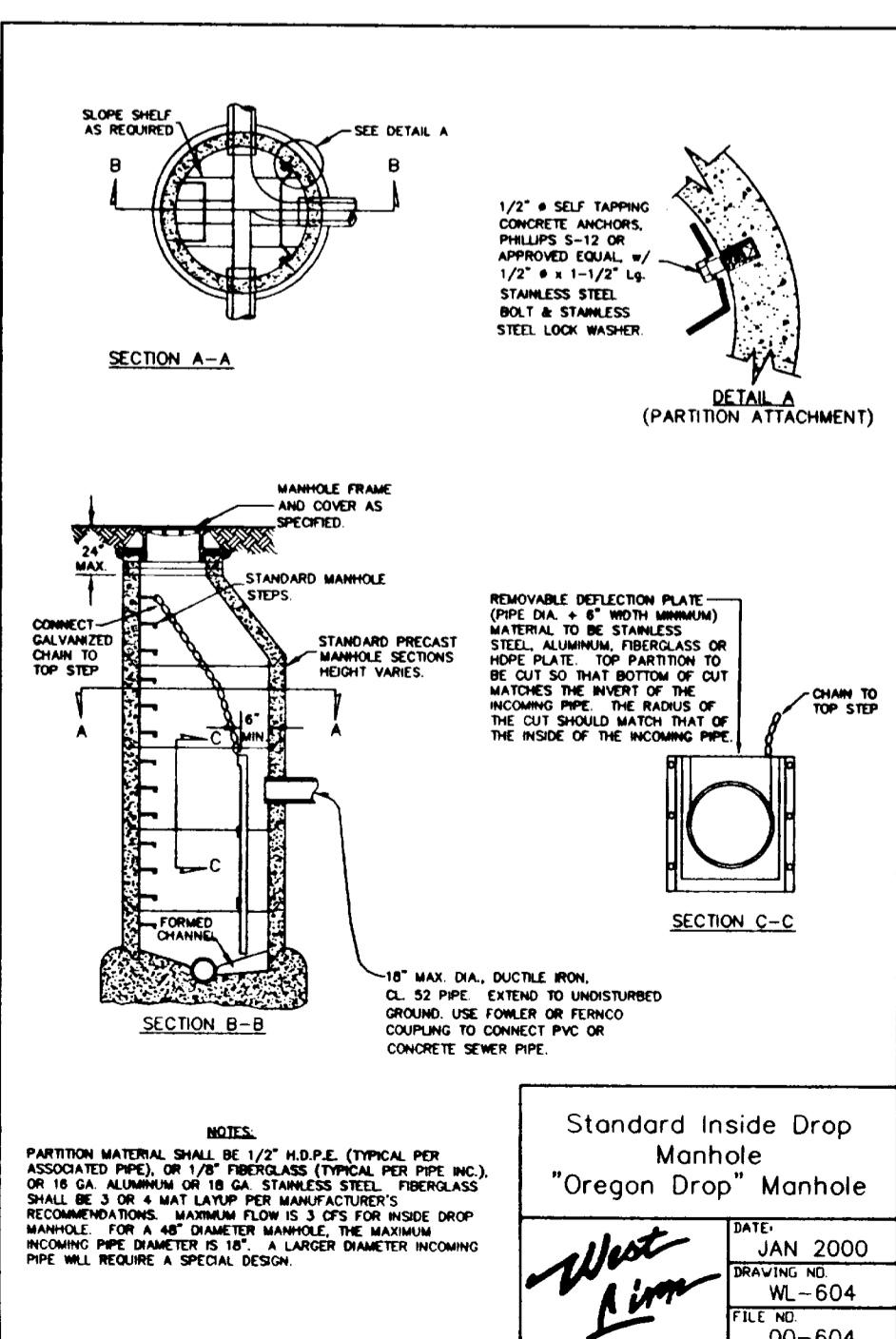
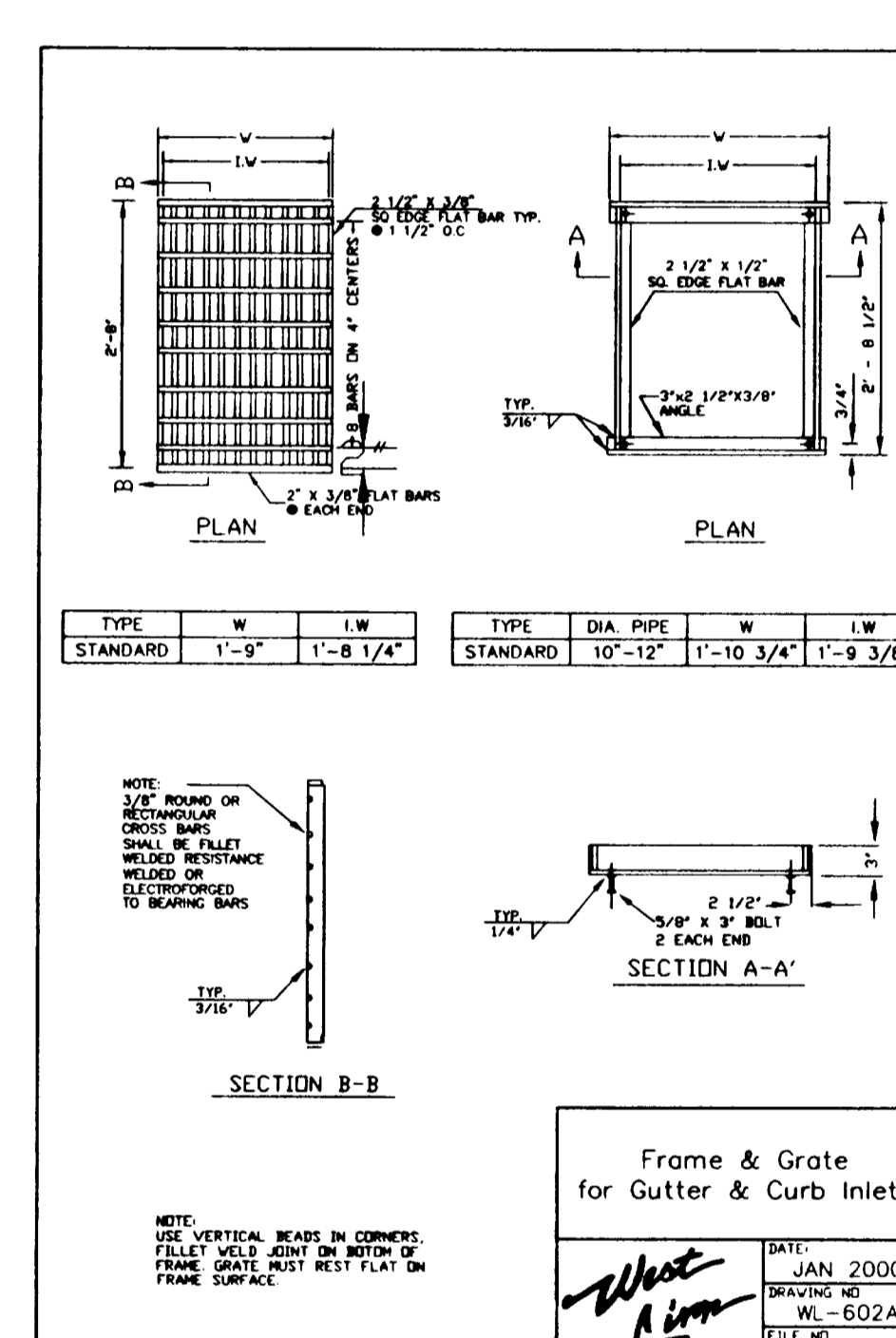
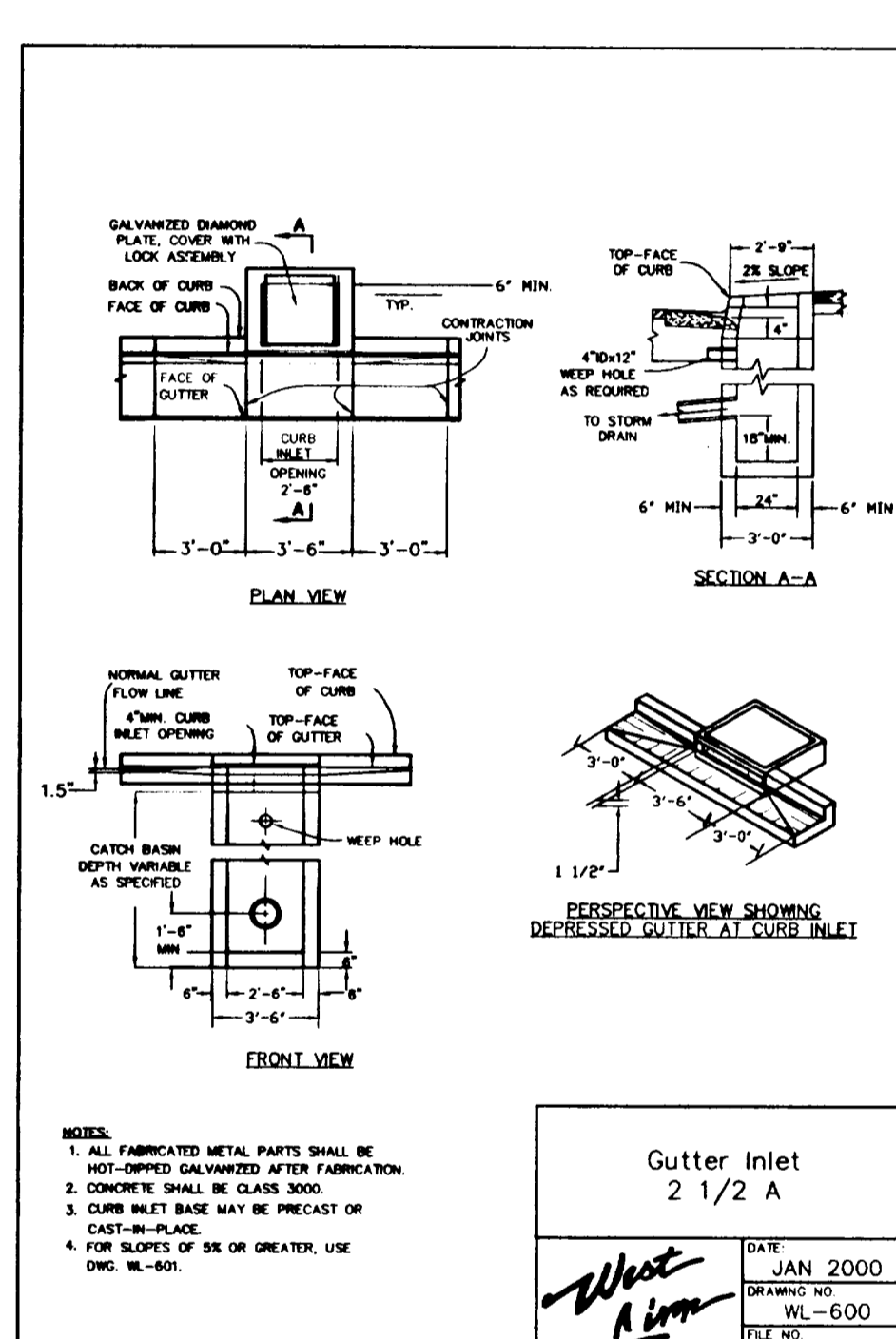
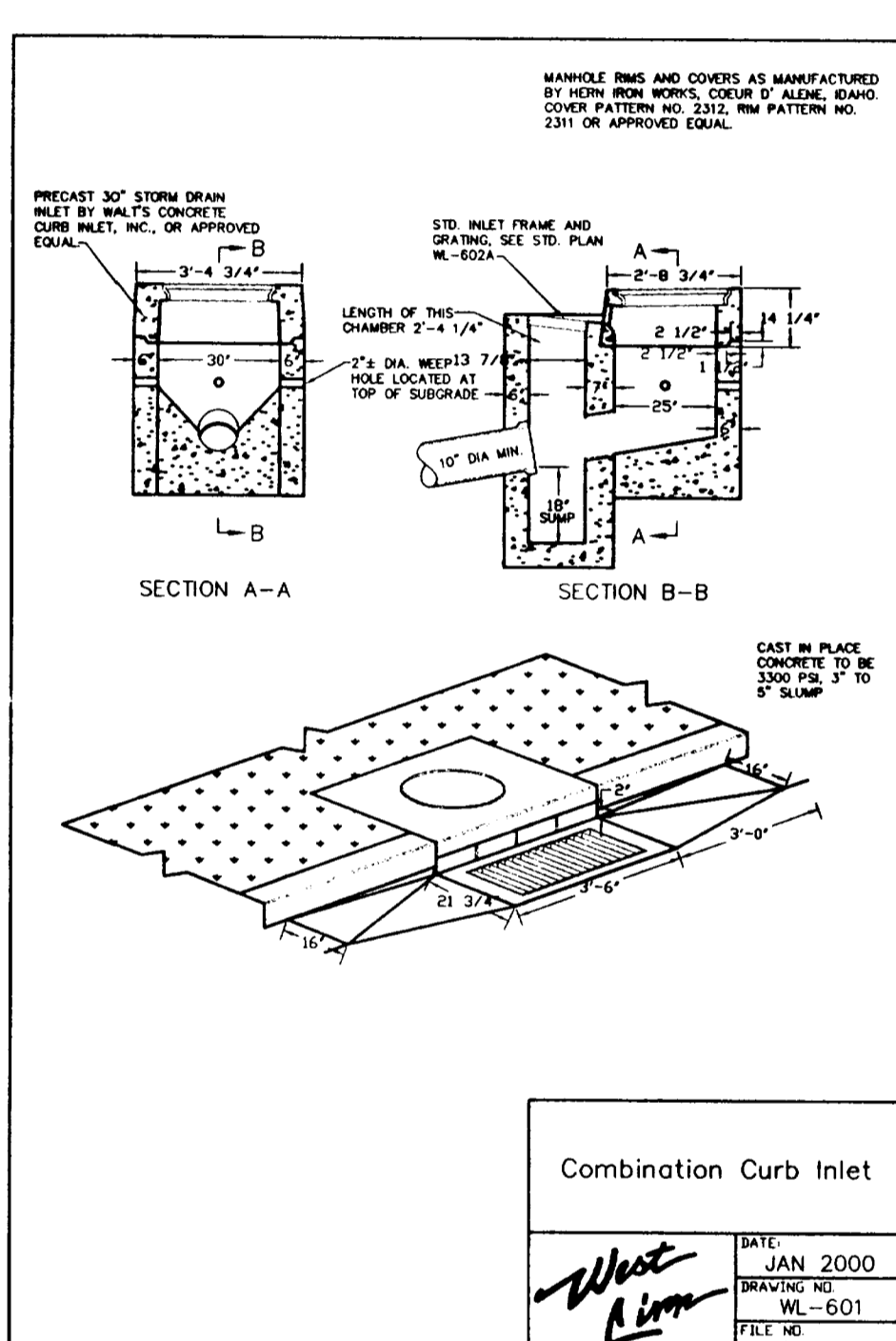
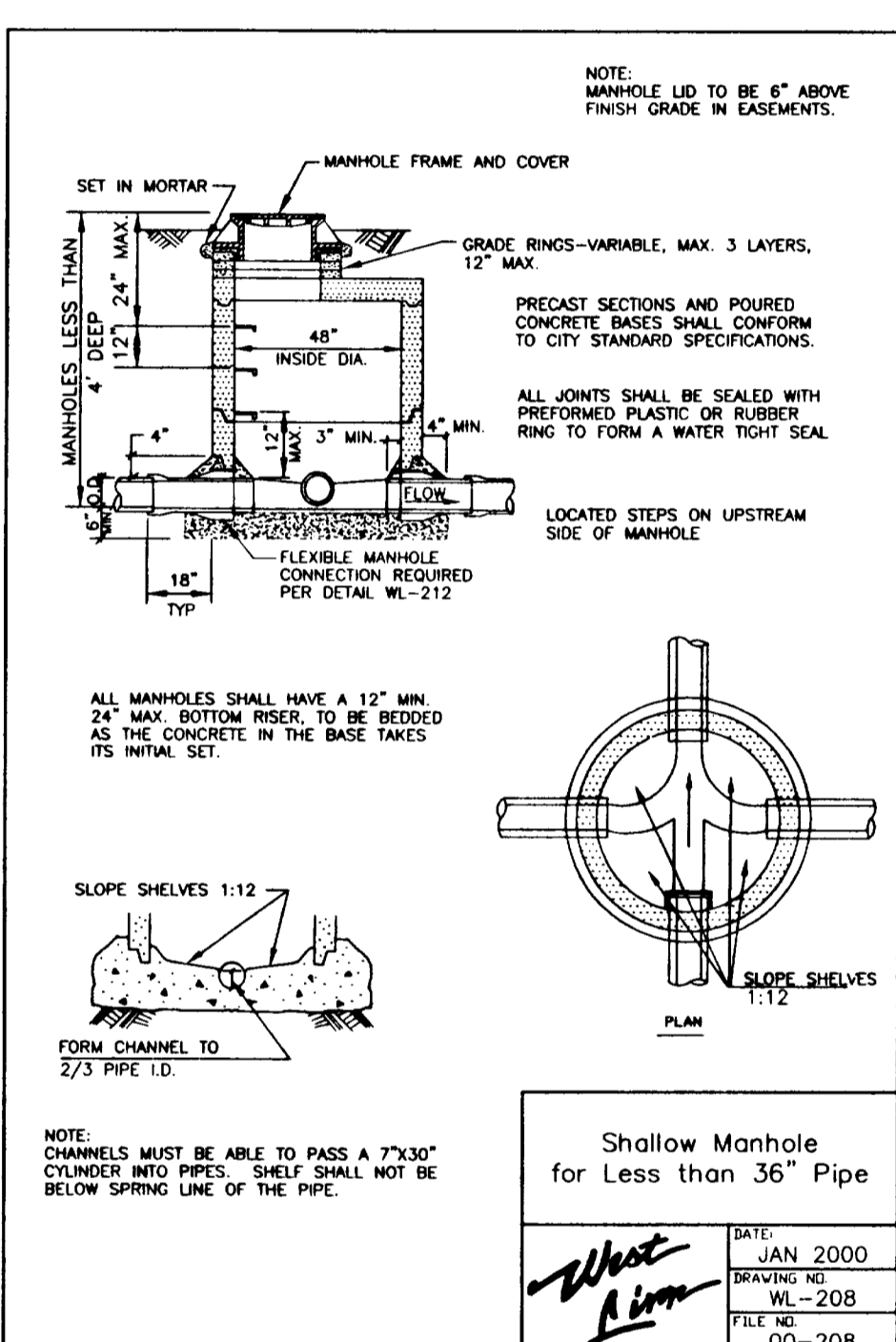
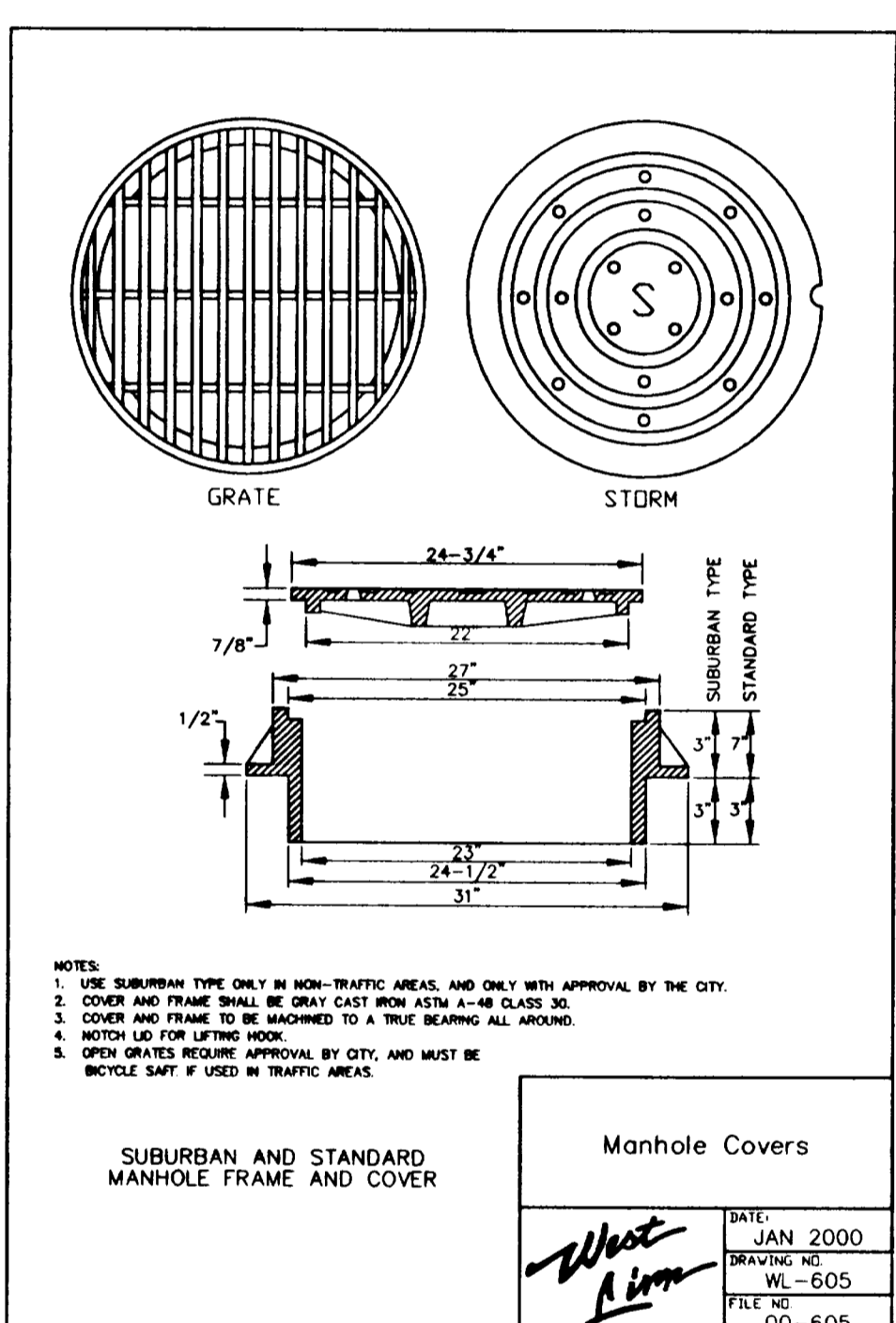
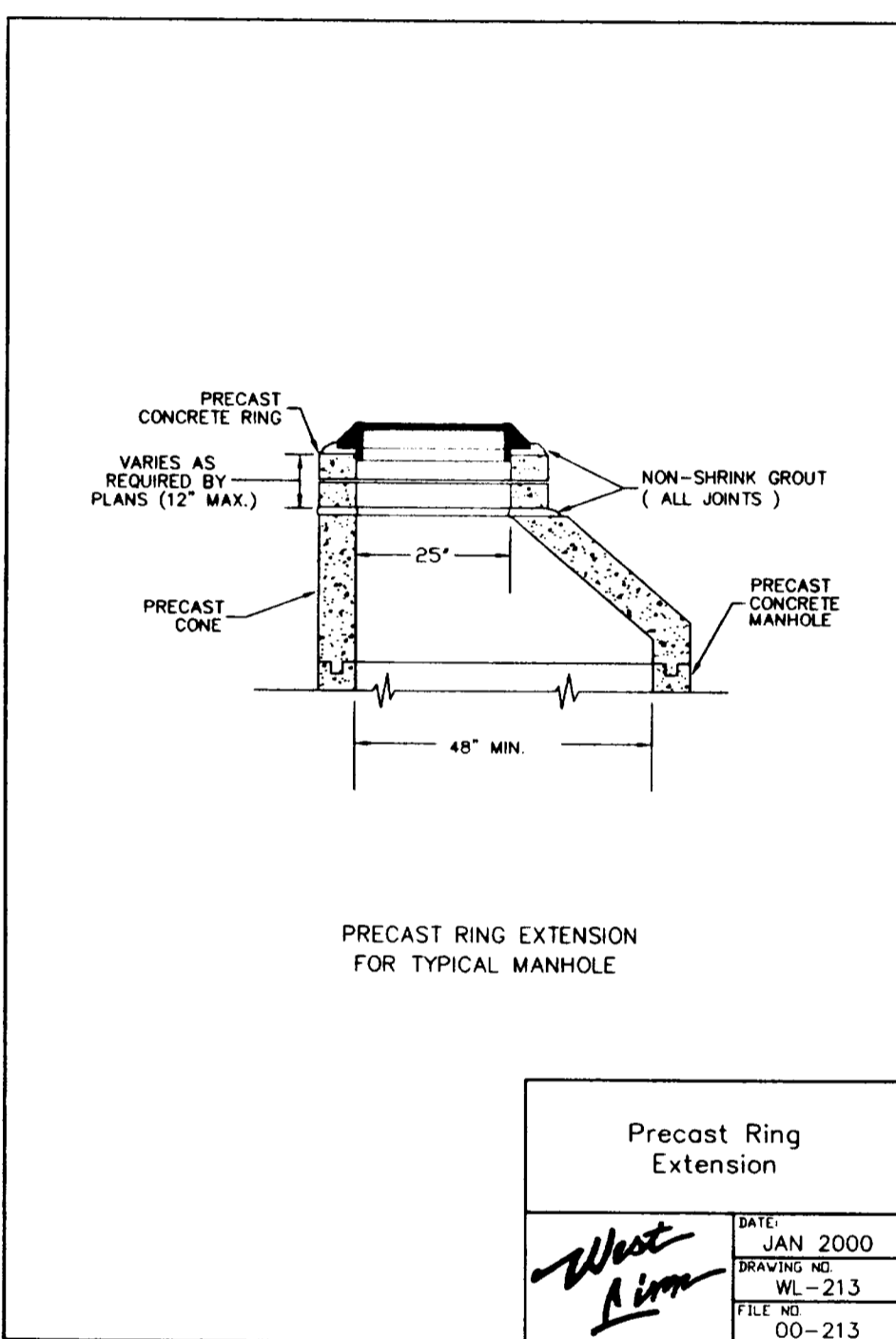
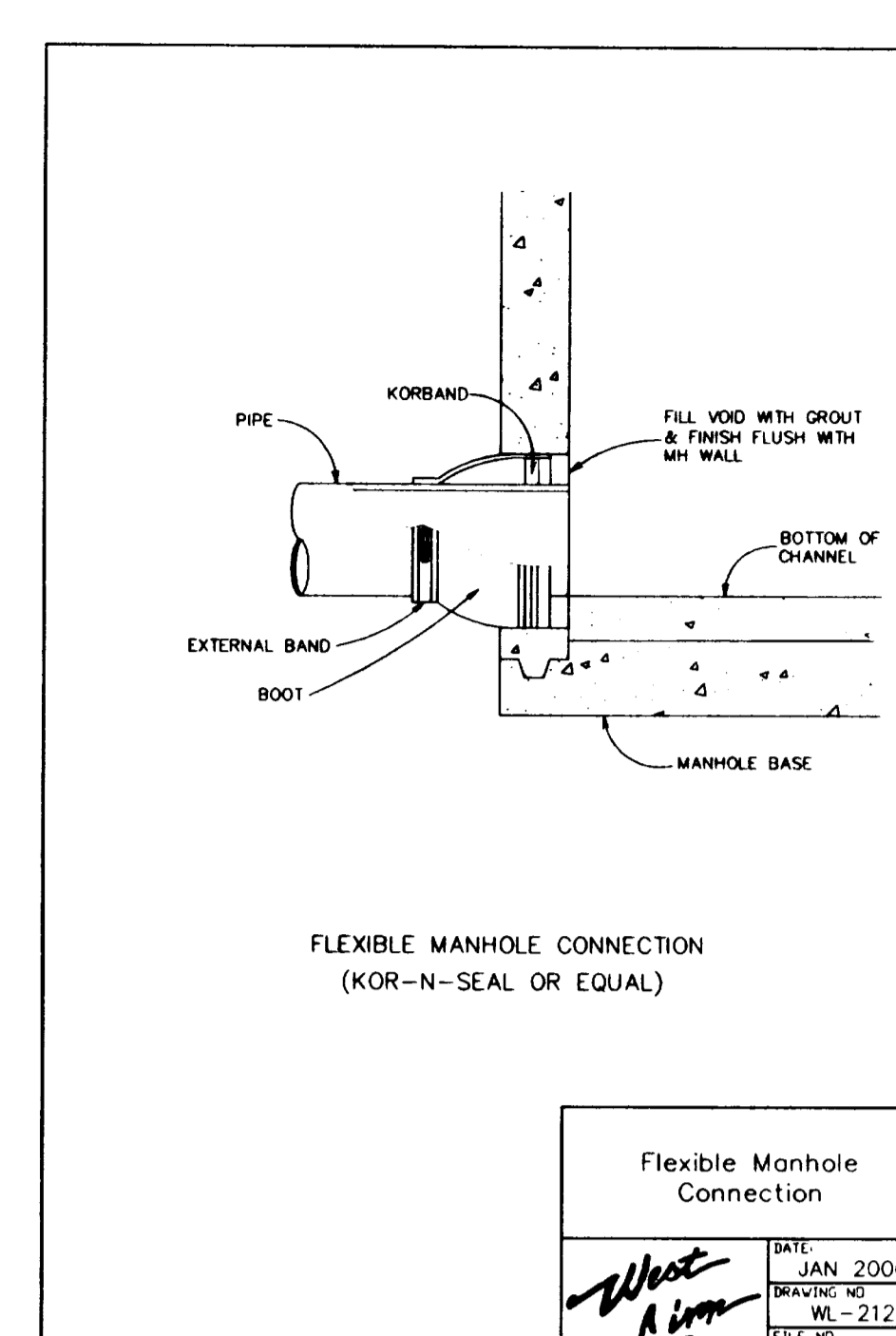
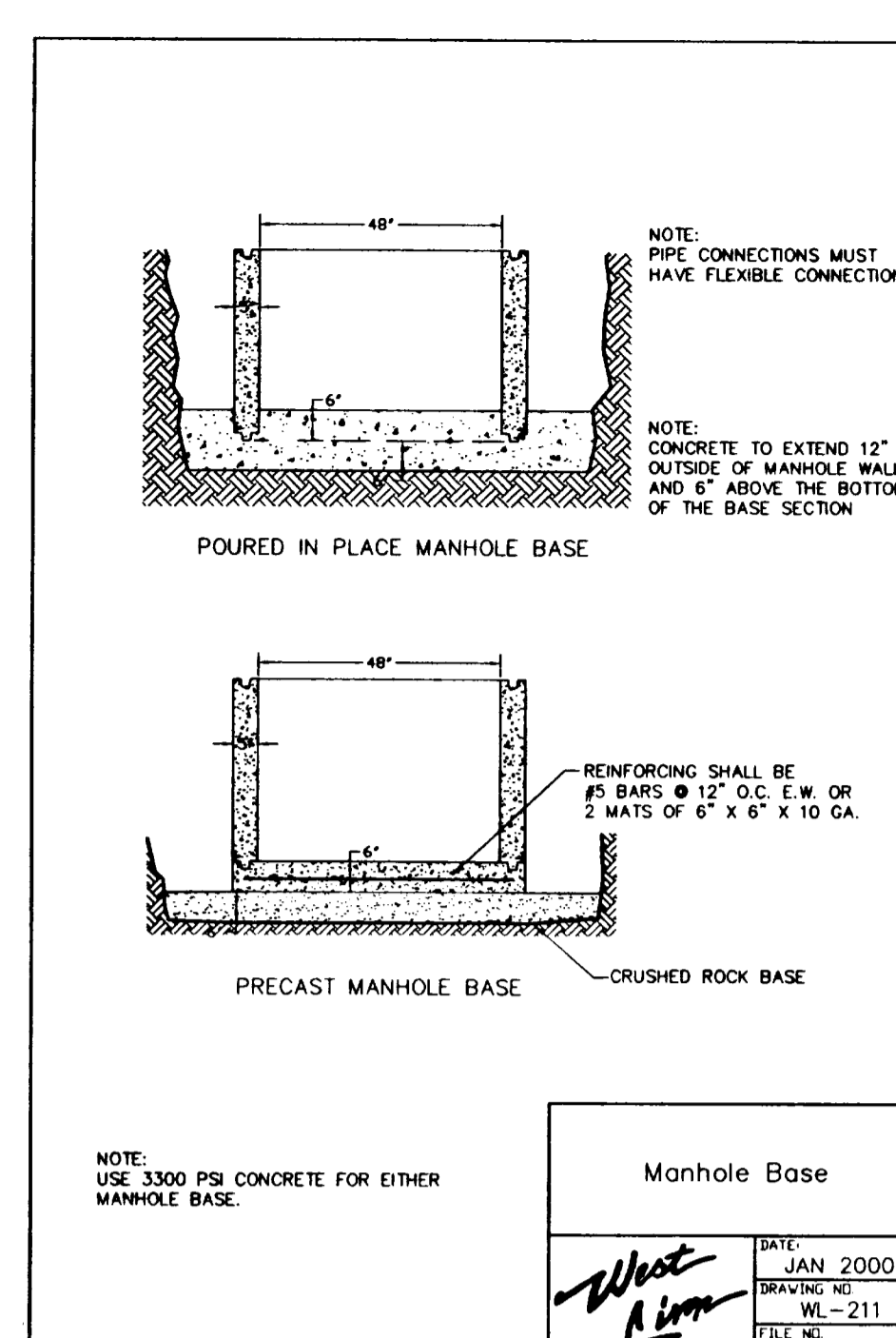
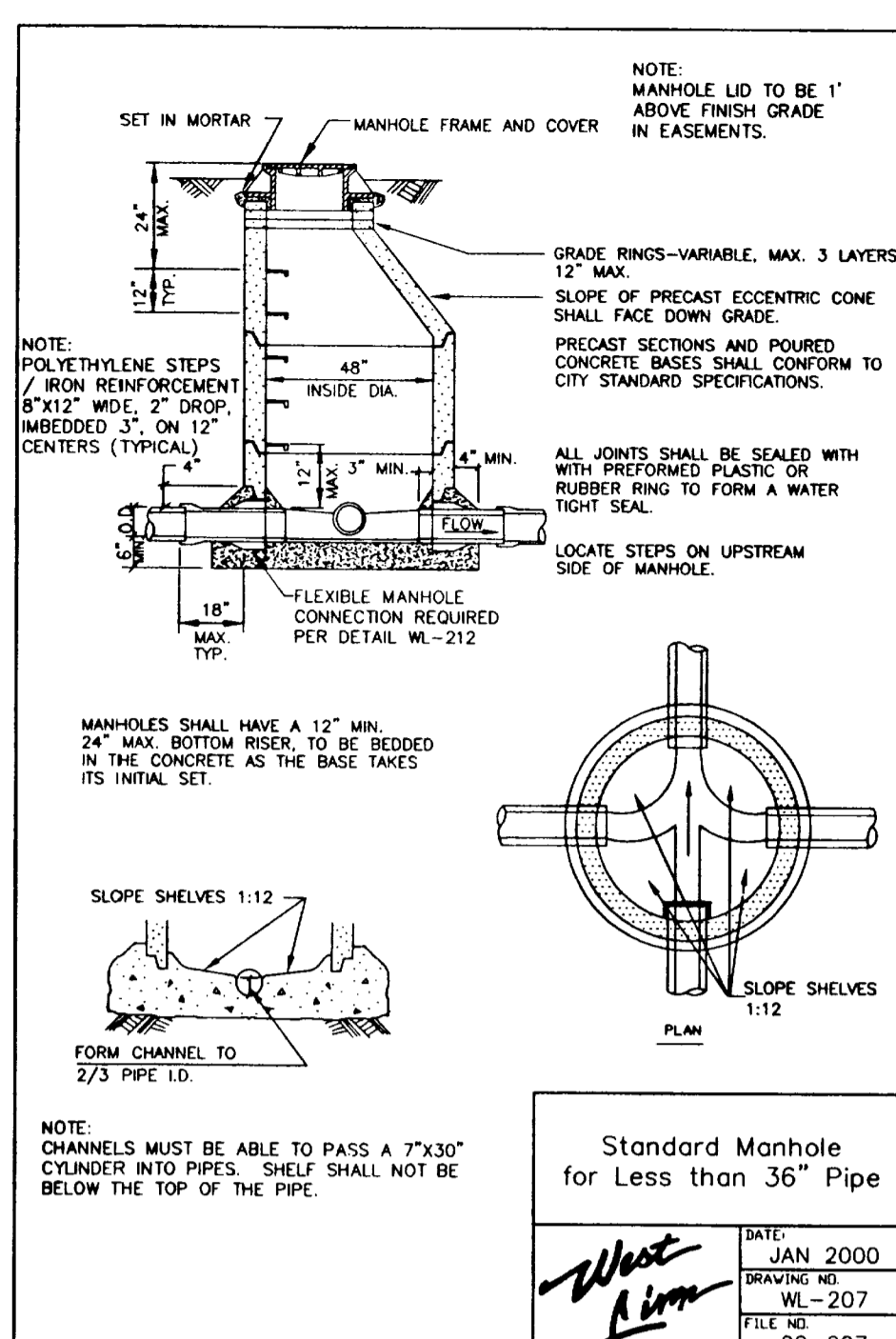
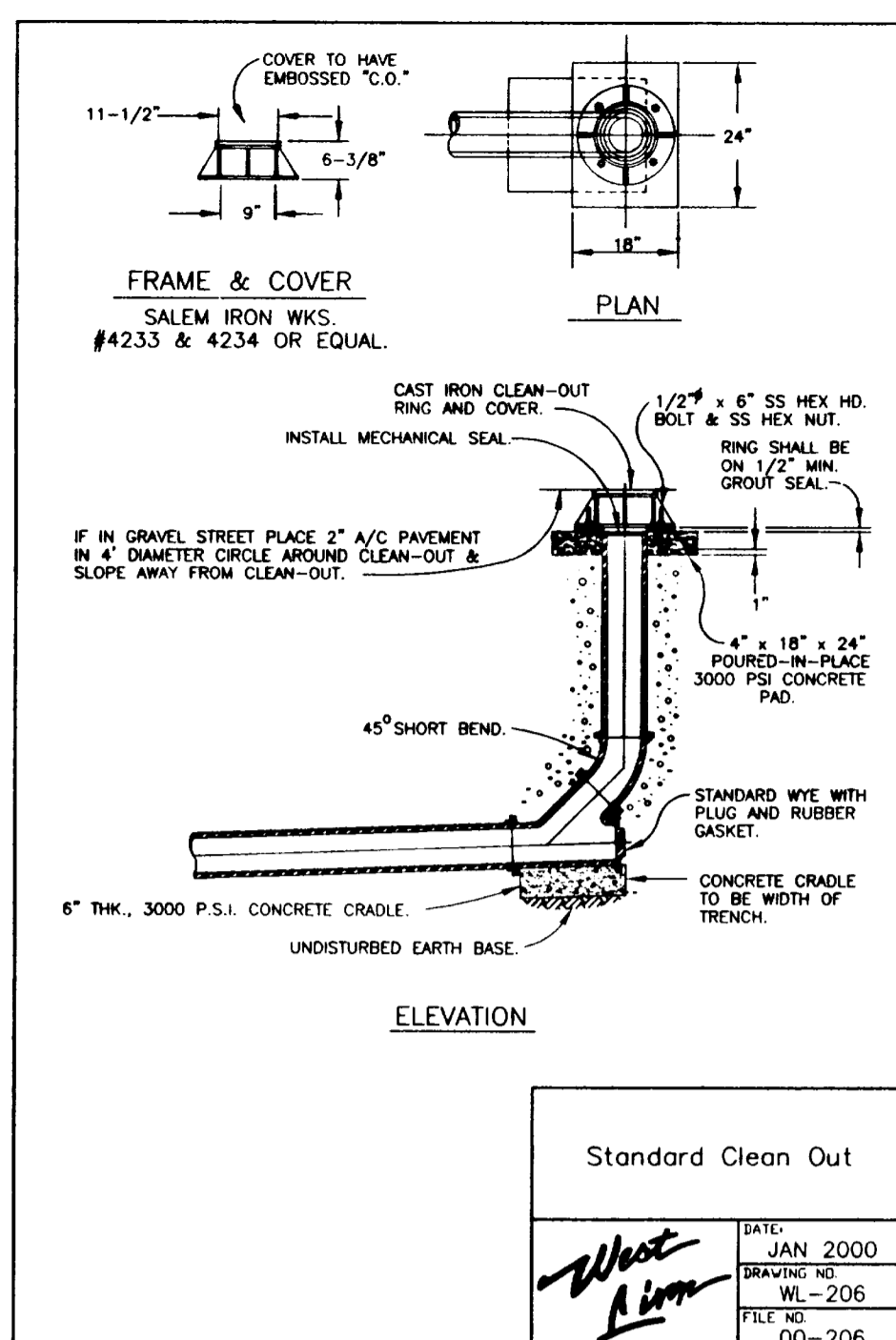
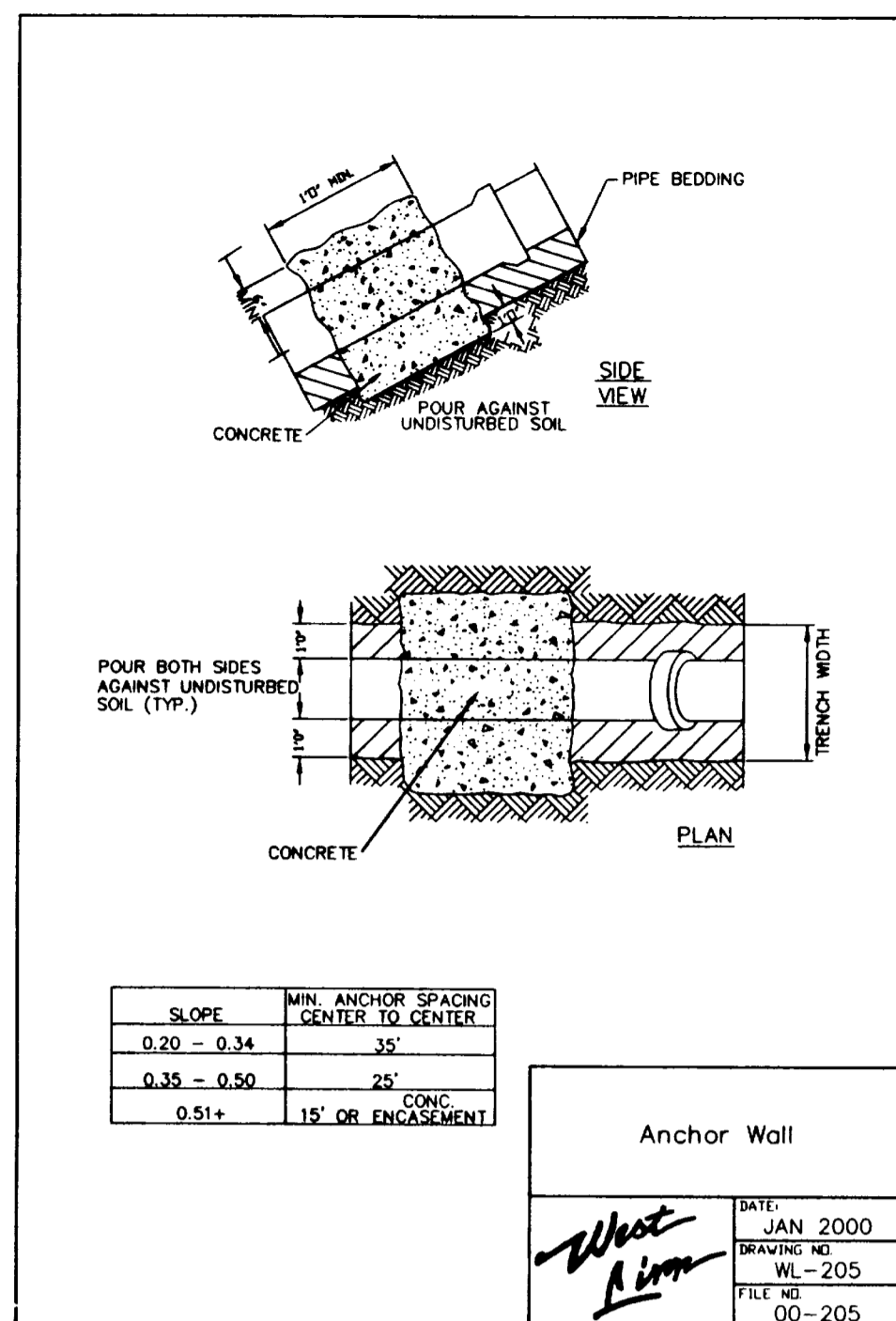
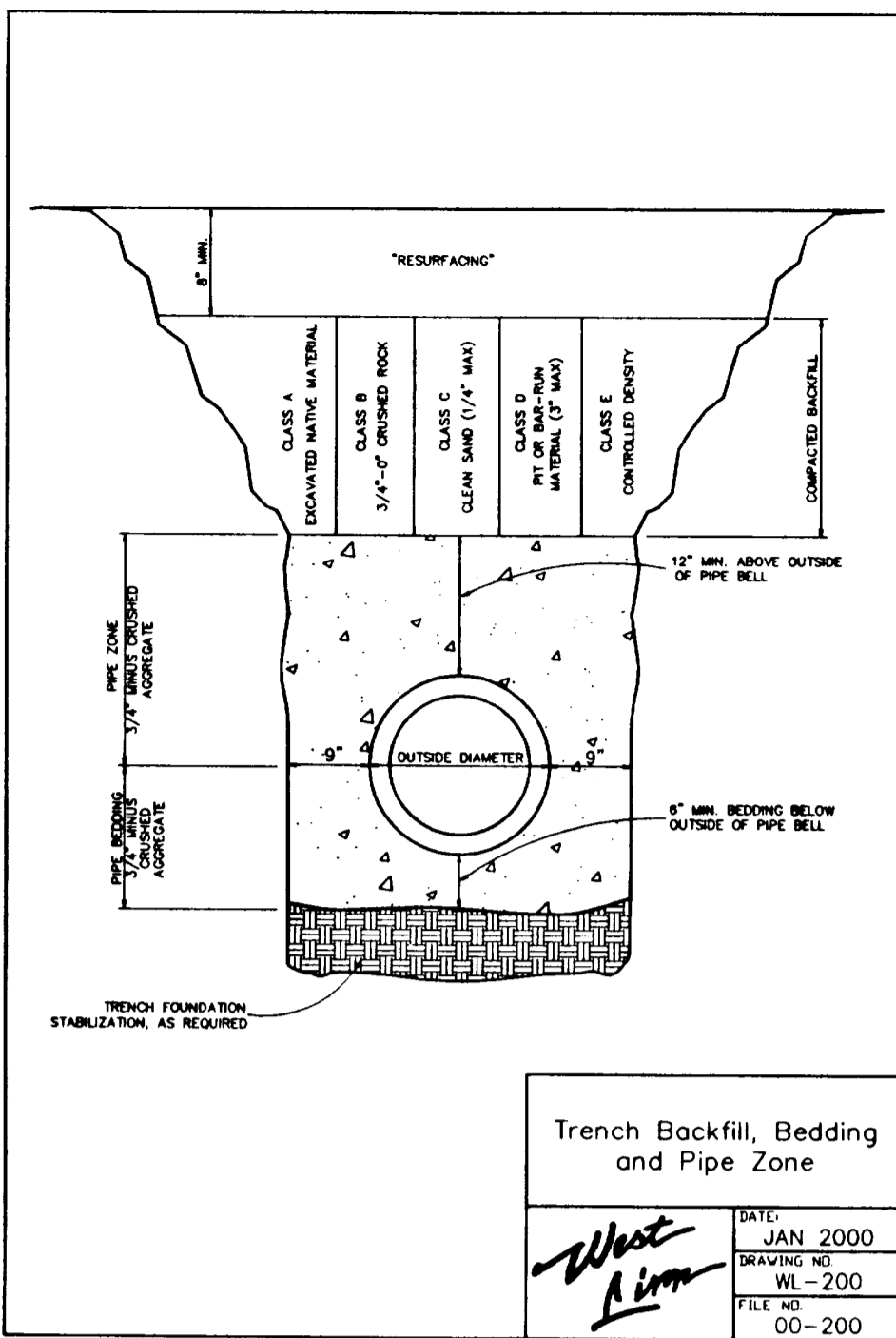


**COMPOSITE UTILITY PLAN**  
**FLORENDO'S HIDEAWAY**



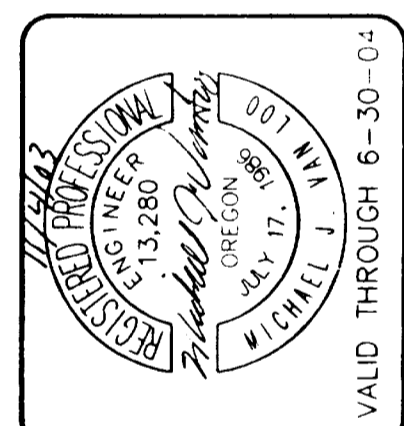
**AS-BUILT**  
DATE: NOVEMBER 3, 2003

SHEET	9	11
PROJECT	FLORENDO'S	
NO.	658-005	
TYPE	CONSTRUCTION	



NO.	DATE	REVISION	BY

DESIGNED BY	JRN	DATE	11/25/02
DRAWN BY	JRN	DATE	11/25/02
REVIEWED BY	ML	DATE	
PROJECT NO.	609-005		
SCALE	NO SCALE		



VALID THROUGH 6-30-04

# CONSTRUCTION DETAILS

## FLORENDO'S HIDEAWAY

SHEET	10	11
PROJECT NO.	FLORENDO'S	
NO.	658-005	
TYPE	CONSTRUCTION	

