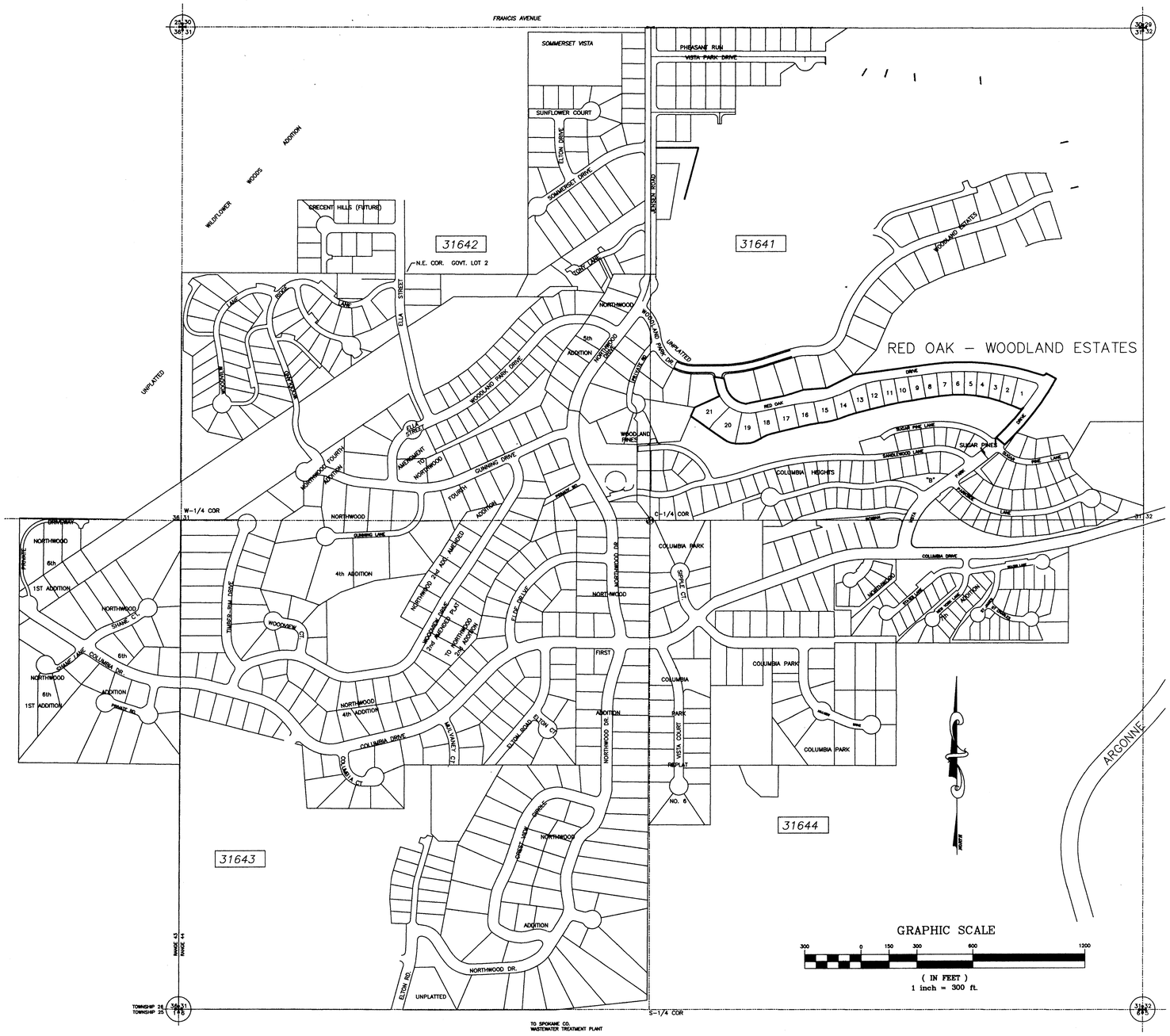
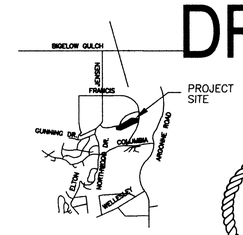
RECORD DRAWING



SECTION 31, T. 26 N., R. 44 E. W. M.



VICINITY MAP

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-17296
DATE ACCEPTED: 6-22-01

ERICK K. LESLIE
STATE OF WASHINGTON
36302
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 3/30/02

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

SHEET INDEX

SHEET 1 – STREET AND STORM DRAINAGE – PLAN AND PROFILE TITLE SHEET

SHEET 2 – STREET AND STORM DRAIN – VISTA PARK DR. AND DRAINAGE DITCH PLAN AND PROFILE

SHEET 3 – STREET AND STORM DRAIN – RED OAK DRIVE PLAN AND PROFILE – STA 1+00 TO STA 11+80

SHEET 4 – STREET AND STORM DRAIN – RED OAK DRIVE PLAN AND PROFILE – STA 11+80 TO STA 20+39.26

SHEET 5 – GRADING AND EROSION CONTROL PLAN

SHEET 6 – STREET AND DRAINAGE DETAILS

CERTIFICATION

"The design improvements shown in this set of plans and calculations conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction."

Engineer's Approval _____ Date _____

Developer's Approval _____ Date _____

6/7/01 STI NORTHWEST

Record Drawing prepared by STI Northwest

CALL BEFORE YOU DIG 456-8000

STORHAUG ENGINEERING
E. 9616 MONTGOMERY
SPOKANE, WA 99206
(509) 924-8052

DRAWN BY: MORSE
CHECKED BY: GREDVIG
DATE: 9/21/99
SCALE: AS SHOWN

RED OAK – WOODLAND ESTATES
STREET AND STORM DRAINAGE
PLAN AND PROFILE TITLE SHEET

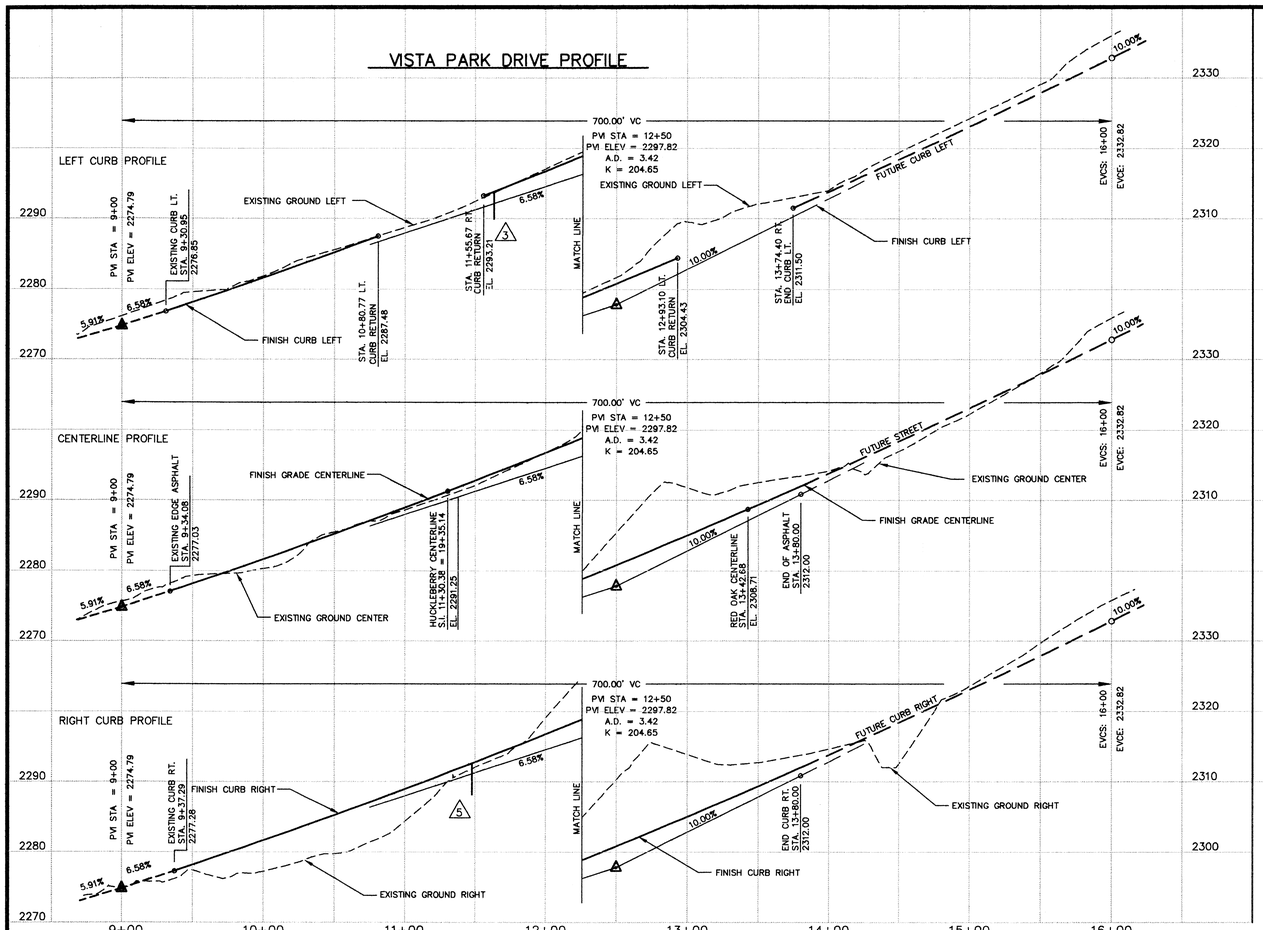
SHEET 1 OF 6
STREET

98164sLDWG

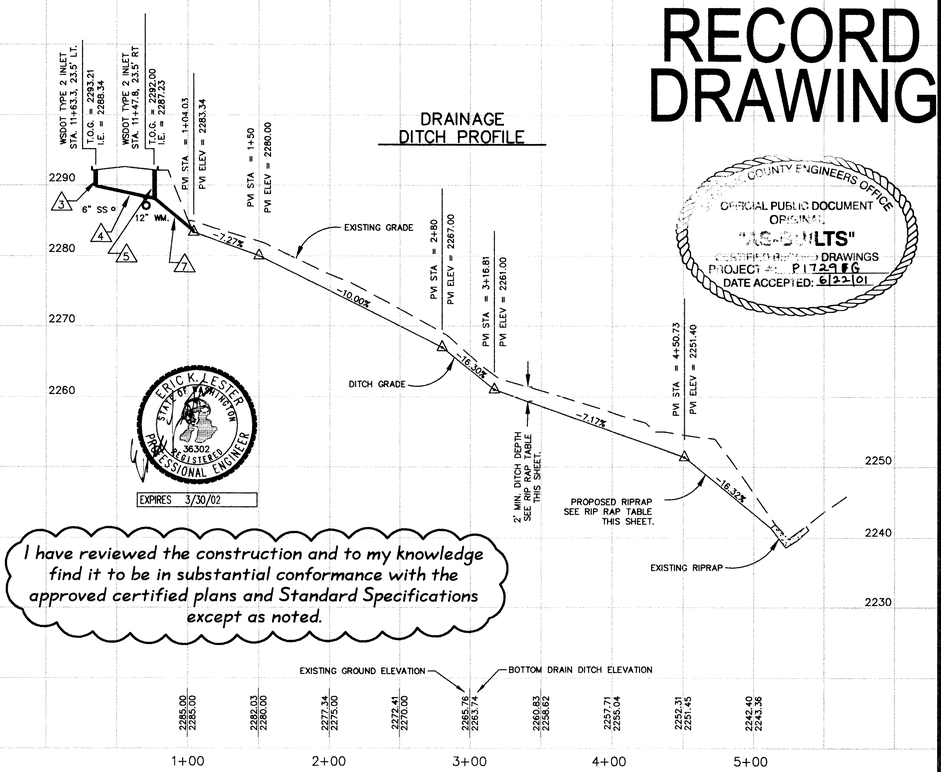
P-17296 Eng As Built

RECORD DRAWING

VISTA PARK DRIVE PROFILE



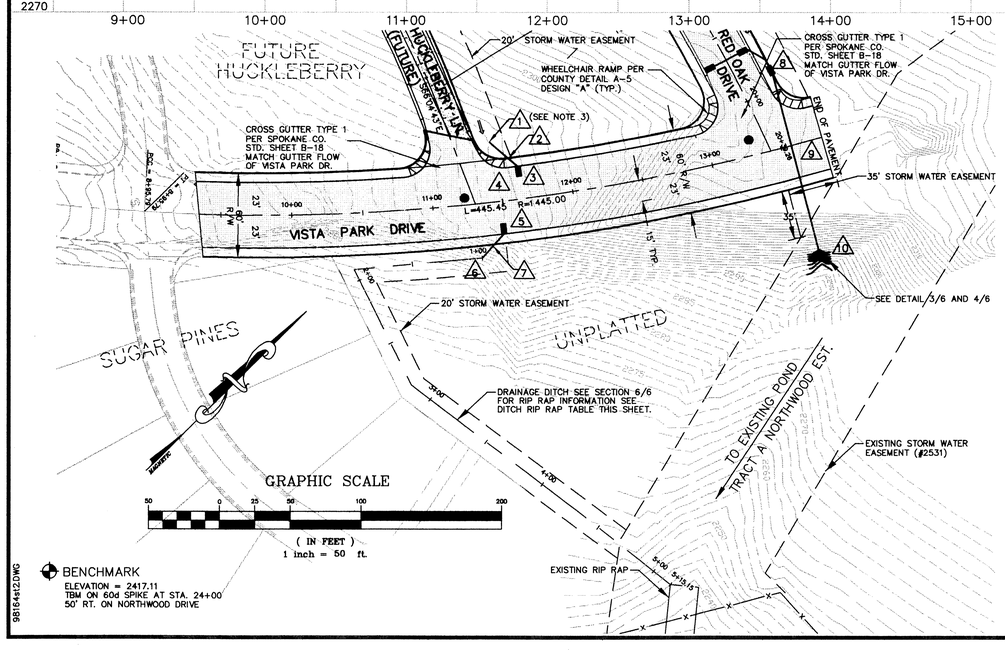
DRAINAGE DITCH PROFILE



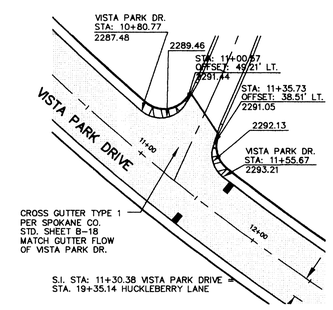
COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # P1729G
DATE ACCEPTED: 6/22/01

ERICK K. LESTER
STATE OF WASHINGTON
36302
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 3/30/02

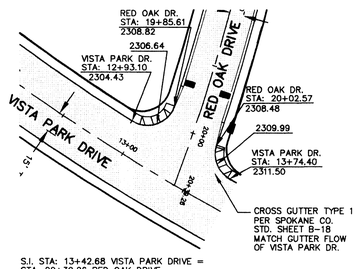
I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.



1. INLET PIPE 18+97.25, 25' LT. I.E.=2290.06 (INLET) (SEE NOTE 3)
2. 18" CMP S=0.0614 L=27' (SEE NOTE 3)
3. WSDOT TYPE II INLET STA. 11+63.3, 23.50' LT T.O.G=2293.21 I.E.=2288.34
4. 24" CMP S=0.0252 L=44'
5. WSDOT TYPE II INLET STA. 11+47.8, 23.50' RT T.O.G=2292.00 I.E.=2287.23
6. OUTLET PIPE STA. 11+31.3, 39' RT. I.E.=2283.50 (OUTLET) (SEE DETAIL 3/6 AND 4/6)
7. 24" CMP S=0.1554 L=24'
8. WSDOT TYPE II INLET STA. 13+57.95, 51.95' LT T.O.G=2306.21 I.E.=2298.00
9. 24" CPEP SMOOTH WALL S=0.0154 L=130'
10. OUTLET PIPE STA. 13+57.07, 71.57' RT. I.E. = 2296.00 (OUTLET) (SEE DETAIL 3/6 AND 4/6)



VISTA PARK DR. / HUCKLEBERRY



VISTA PARK DR. / RED OAK

LEGEND

- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED WSDOT TYPE 1-L CATCH BASIN
- PROPOSED TYPE 2 CATCH BASIN
- PROPOSED WSDOT TYPE 2 INLET
- EXISTING CURB
- PROPOSED CURB AND SIDEWALK
- SURFACE FLOW DIRECTION

NOTES:

1. SEE CONSTRUCTION SPECIFICATIONS SHOWN ON SHEET 6 OF 6.
2. ALL CURB RETURNS ARE 20' RADIUS AT BACK OF CURB UNLESS OTHERWISE SHOWN.
3. CONSTRUCT 5' OF STORM DRAIN DITCH (SEE DETAIL 8/6). FUTURE DITCH ALONG HUCKLEBERRY LANE WILL BE COMPLETED WHEN HUCKLEBERRY LANE IS CONSTRUCTED.
4. ALL CURB AND OFFSET DATA IS REFERENCE TO BACK OF CURB.

DITCH RIP RAP TABLE

SLOPE	MIN.	AVG.	MAX.	THICKNESS
7.27%	5"	7"	10"	12"
10.00%	3"	8.5"	10"	12"
16.30%	8"	12"	15"	18"
7.17%	5"	7"	10"	12"
16.32%	8"	12"	15"	18"
BEND @ 1+90	12"	19"	24"	30"

6/7/01 STI NORTHWEST
Record Drawing prepared by STI Northwest

DEVELOPER'S APPROVAL DATE

CALL BEFORE YOU DIG 456-8000

STORHAUG ENGINEERING
E. 9616 MONTGOMERY
SPOKANE, WA 99206
(509) 924-8052

DRAWN BY: MORSE
CHECKED BY: GREDVIG
DATE: 10/7/99
SCALE: AS SHOWN

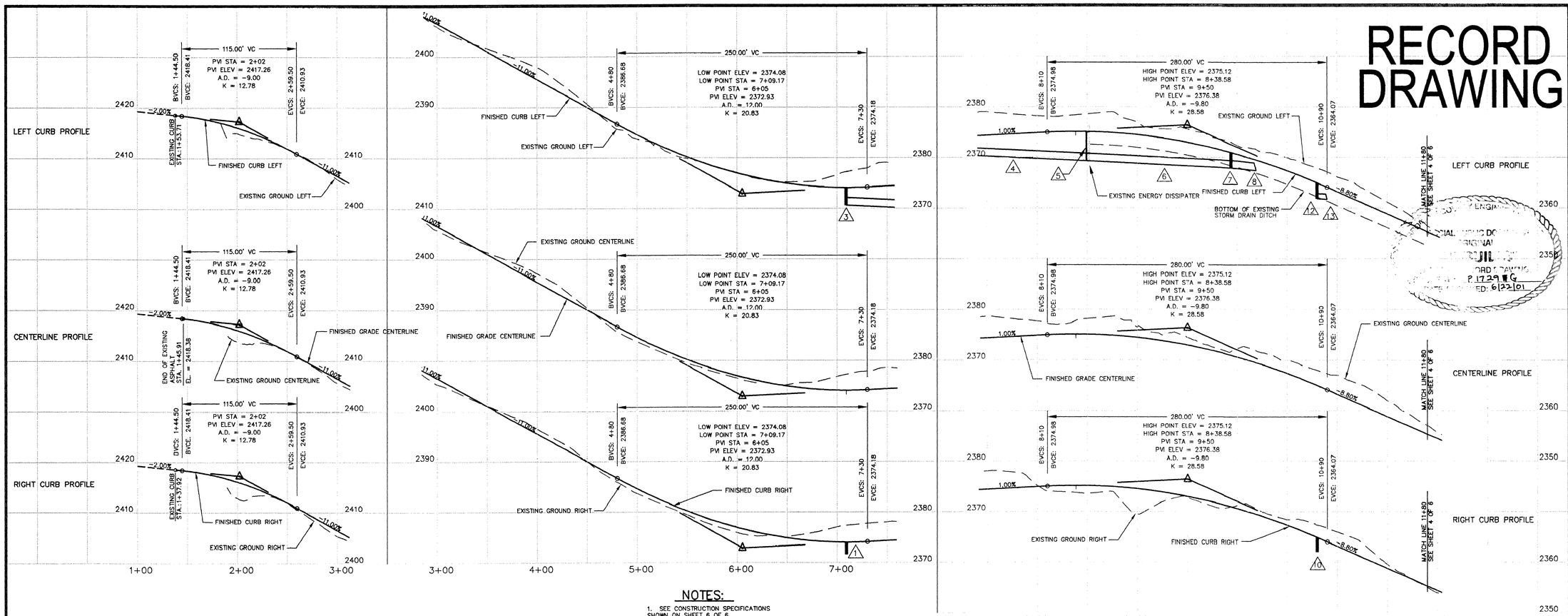
VISTA PARK DR. & DRAINAGE DITCH
STREET AND STORM DRAIN
PLAN AND PROFILE

SHEET 2 OF 6
STREET

98164H2.DWG

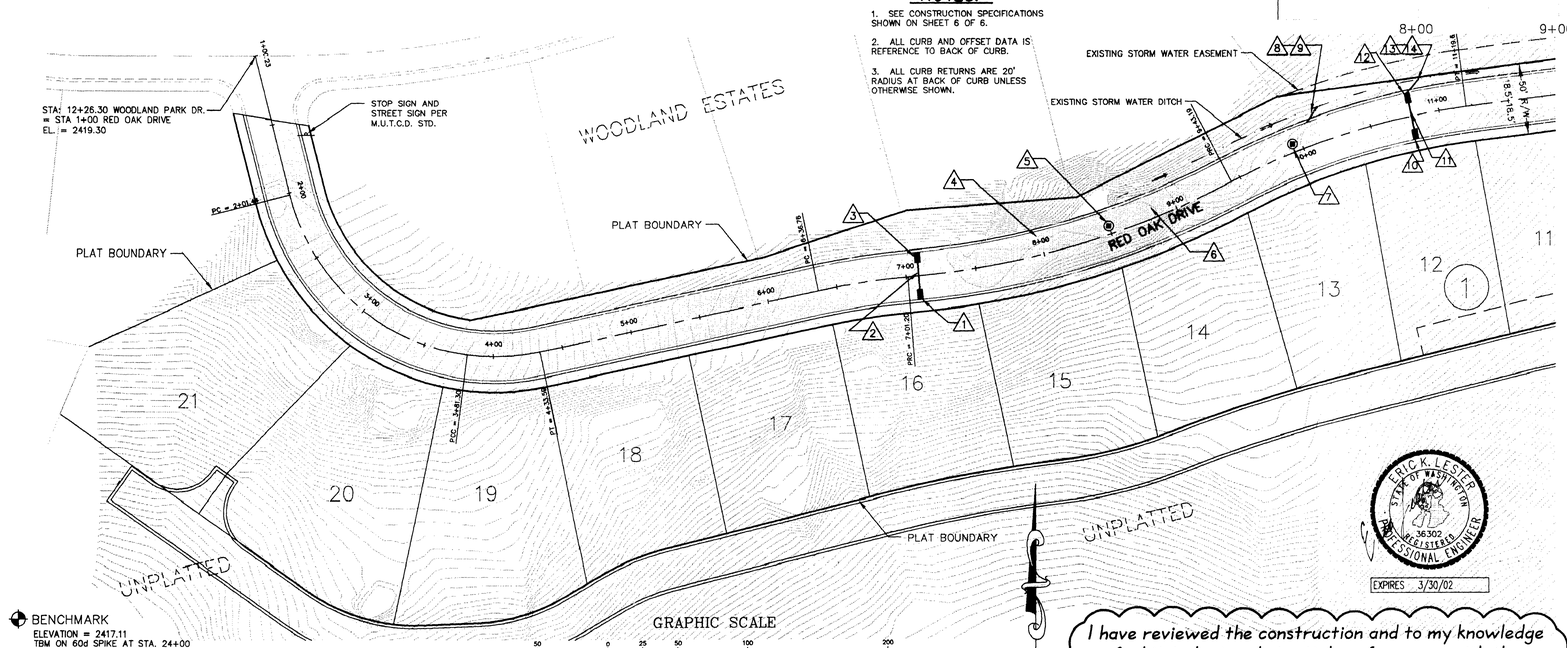
P-1729G Eng As Built

RECORD DRAWING



NOTES:

1. SEE CONSTRUCTION SPECIFICATIONS SHOWN ON SHEET 6 OF 6.
2. ALL CURB AND OFFSET DATA IS REFERENCE TO BACK OF CURB.
3. ALL CURB RETURNS ARE 20' RADIUS AT BACK OF CURB UNLESS OTHERWISE SHOWN.



1. SPOKANE CO. INLET TYPE 1 W/SPOKANE CO. TYPE 5 FRAME & GRATE STA. 7+09.17, 18.5 RT. T.O.G. 2373.75 IE. 2371.39
2. 12" CMP S=0.010 L=25'
3. WSDOT TYPE II INLET STA. 7+09.17, 18.5 LT. T.O.G. 2373.75 IE. 2371.14 (S) IE. 2370.64 (E)
4. 18" CMP S=0.010 L=136.60'
5. SPOKANE CO. STD III-48 MH W/SOLID RIM & COVER MARKED "STORM" STA. 8+50.00, 6' LT. RIM 2374.98 IE. 2369.27
6. 18" CMP S=0.010 L=143.30'
7. SPOKANE CO. STD III-48 MH W/SOLID RIM & COVER MARKED "STORM" STA. 9+93.75, 6' LT. RIM 2370.79 IE. 2367.84
8. 18" CMP S=0.016 L=31.71'
9. OUTLET PIPE STA. 10+18.75, 24.50' LT. IE. 2367.32 (OUTLET) (SEE DETAIL 4/6)
10. WSDOT TYPE II INLET STA. 10+80.00, 18.5 RT. T.O.G. 2364.50 IE. 2362.10
11. 12" CMP S=0.010 L=25'
12. WSDOT TYPE II INLET STA. 10+80.00, 18.5 LT. T.O.G. 2364.50 IE. 2361.85
13. 12" CMP S=0.010 L=13.00'
14. OUTLET PIPE STA. 10+90.00, 24.50' LT. IE. 2361.72 (OUTLET) (SEE DETAIL 4/6)

LEGEND

- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED WSDOT TYPE 1-L CATCH BASIN
- PROPOSED TYPE 2 CATCH BASIN
- PROPOSED WSDOT TYPE 2 INLET
- EXISTING CURB
- PROPOSED CURB
- SURFACE FLOW DIRECTION
- SPOKANE CO. (TYPE I) CURB DROP (L = 4')
- EXISTING OUTLET ENERGY DISAPATOR

DEVELOPER'S APPROVAL DATE

ERICK LESTER
STATE OF WASHINGTON
36302
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 3/30/02

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

6/7/01 STI NORTHWEST

Record Drawing prepared by STI Northwest

CALL BEFORE YOU DIG 456-8000

98164st4DWG

P-17296 Eng As Built

STORHAUG ENGINEERING
E. 9616 MONTGOMERY
SPOKANE, WA 99206
(509) 924-8052

DRAWN BY: MORSE
CHECKED BY: GREDVIG
DATE: 10/11/99
SCALE: AS SHOWN

RED OAK DRIVE – STREET & STORM DRAIN – PLAN AND PROFILE STA. 1+00 TO 11+80

SHEET 3 OF 6

STREET

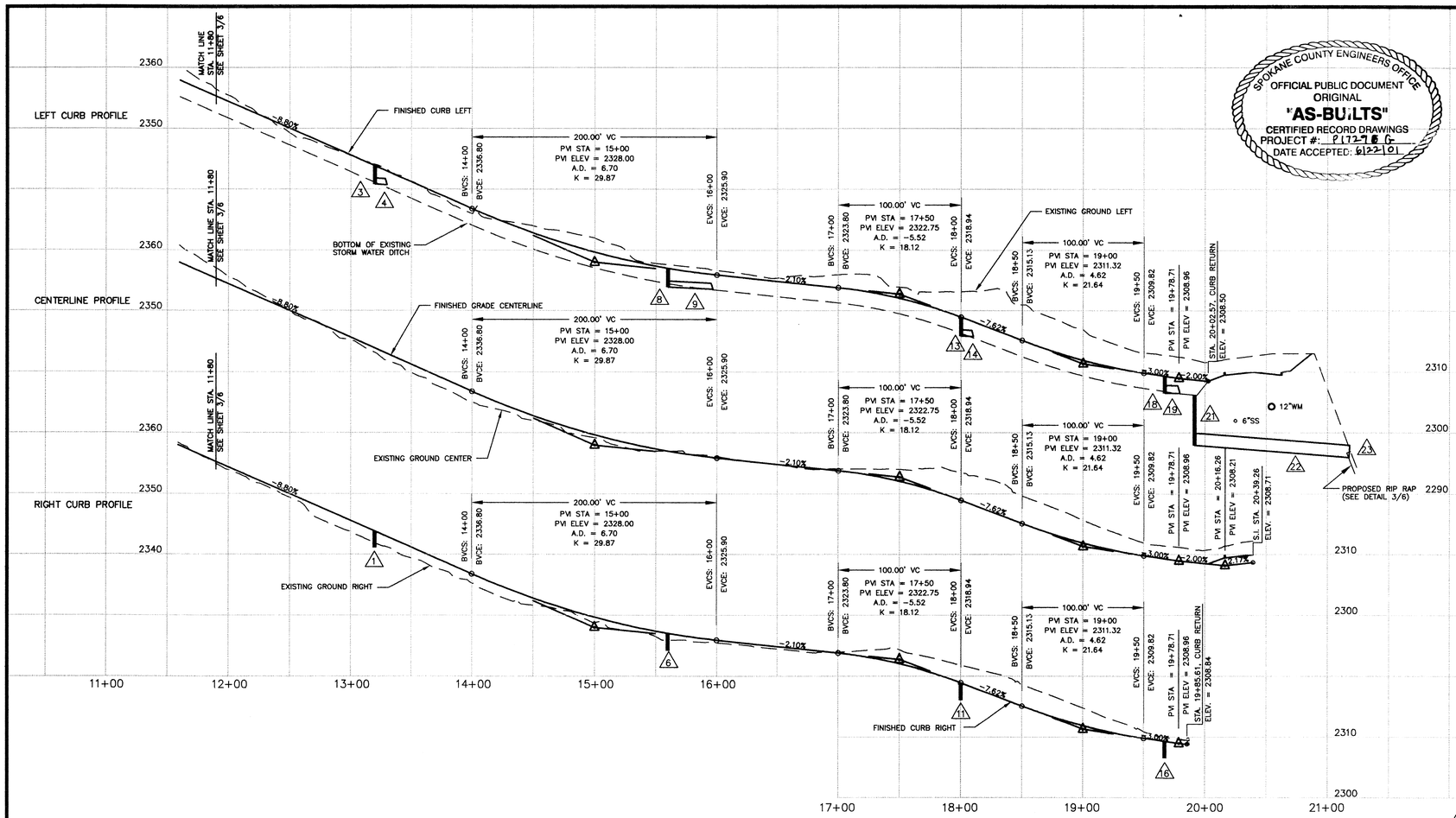
RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1729G
DATE ACCEPTED: 6/22/01

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

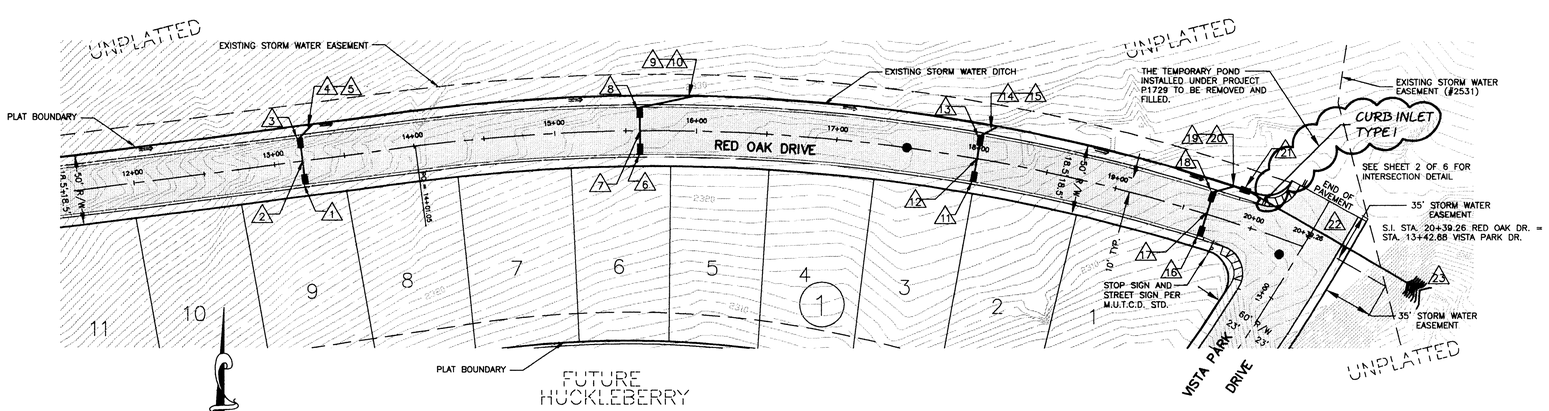
ERIC K. LESTER
STATE OF WASHINGTON
36302
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 3/30/02

STI NORTHWEST
Record Drawing prepared by STI Northwest



LEGEND

- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED WSDOT TYPE 1-L CATCH BASIN
- PROPOSED TYPE 2 CATCH BASIN
- PROPOSED WSDOT TYPE 2 INLET
- SPOKANE CO. (TYPE I) CURB DROP (L = 4')
- EXISTING CURB
- PROPOSED CURB AND SIDEWALK
- SURFACE FLOW DIRECTION



BENCHMARK
ELEVATION = 2417.11
TBM ON 60d SPIKE AT STA. 24+00
50' RT. ON NORTHWOOD DRIVE

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

DEVELOPER'S APPROVAL DATE

NOTES:

1. SEE CONSTRUCTION SPECIFICATIONS SHOWN ON SHEET 6 OF 6.
2. ALL CURB AND OFFSET DATA IS REFERENCE TO BACK OF CURB.
3. ALL CURB RETURNS ARE 20' RADIUS AT BACK OF CURB UNLESS OTHERWISE SHOWN.

1. WSDOT TYPE II INLET STA. 13+20.00, 18.5' RT. T.O.G. 2343.40 IE. 2341.00
2. 12" CMP S=0.010 L=25'
3. WSDOT TYPE II INLET STA. 13+20.00, 18.5' LT. T.O.G. 2343.40 IE. 2340.75
4. 12" CMP S=0.010 L=12.81'
10. OUTLET PIPE STA. 13+30.00, 24.50' LT. IE. 2340.62 (OUTLET) (SEE DETAIL 4/6)
6. WSDOT TYPE II INLET STA. 15+60.00, 18.5' RT. T.O.G. 2326.58 IE. 2324.18
7. 12" CMP S=0.010 L=25'
8. WSDOT TYPE II INLET STA. 15+60.00, 18.5' LT. T.O.G. 2326.58 IE. 2323.93
9. 12" CMP S=0.010 L=38.14'
10. OUTLET PIPE STA. 15+96.72, 24.50' LT. IE. 2323.55 (OUTLET) (SEE DETAIL 4/6)
11. WSDOT TYPE II INLET STA. 18+00.00, 18.5' RT. T.O.G. 2318.52 IE. 2316.12
12. 12" CMP S=0.010 L=25'
13. WSDOT TYPE II INLET STA. 18+00.00, 18.5' LT. T.O.G. 2318.52 IE. 2315.87
14. 12" CMP S=0.010 L=12.93'
15. OUTLET PIPE STA. 18+10.00, 24.50' LT. IE. 2315.74 (OUTLET) (SEE DETAIL 4/6)
16. WSDOT TYPE II INLET STA. 19+67.25, 18.5' RT. T.O.G. 2308.90 IE. 2306.88
17. 12" CMP S=0.010 L=25'
18. WSDOT TYPE II INLET STA. 19+67.25, 18.5' LT. T.O.G. 2308.90 IE. 2306.63
19. 12" CMP S=0.010 L=12.89'
20. OUTLET PIPE STA. 19+79.57, 24.50" RT. I.E.=2306.50 (OUTLET) (SEE DETAIL 4/6)
21. WSDOT TYPE II INLET STA. 13+57.95, 51.97' LT. (VISTA PARK DRIVE) T.O.G. 2306.21 IE. 2298.00
22. 24" CPEP SMOOTH WALL S=0.0154 L=130.00
23. OUTLET PIPE STA. 13+57.07, 71.57' RT. (VISTA PARK DRIVE) I.E.=2296.00 (OUTLET) (SEE DETAIL 3/6 AND 4/6)

CALL BEFORE YOU DIG 456-8000

WSE

STORHAUG ENGINEERING
E. 9616 MONTGOMERY
SPOKANE, WA 99206
(509) 924-8052

DRAWN BY: MORSE
CHECKED BY: GREDVIG
DATE: 10/11/99
SCALE: AS SHOWN

RED OAK DRIVE STREET & STORM DRAIN – PLAN & PROFILE STA. 11+80 TO 20+39.26

SHEET 4 OF 6
STREET

981646L3.DWG

P-1729G Eng As Built

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.

Posts shall be spaced a maximum of 6 feet apart and driven securely into the ground a minimum of 30 inches (where physically possible).

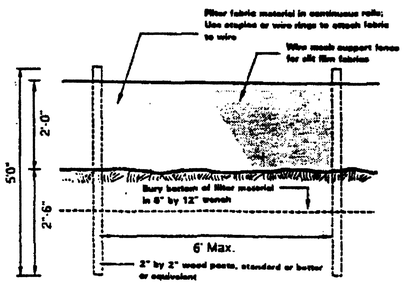
A trench shall be excavated approximately 8 inches wide and 12 inches deep along the line of posts and upslope from the barrier. The trench shall be constructed to follow the contour.

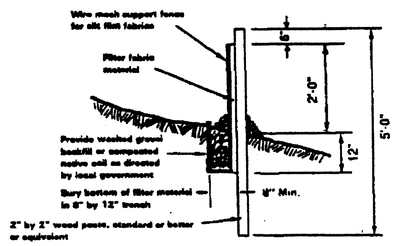
When slit film filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy-duty wire staples at least 1 inch long, tie wires or hog rings. The wire shall extend into the trench a minimum of 4 inches and shall not extend more than 36 inches above the original ground surface.

Slit film filter fabric shall be wired to the fence, and 20 inches of the fabric shall extend into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees. Other types of fabric may be stapled to the fence.

When extra-strength or monofilament 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 Standard Note "e" applying. Extra care should be used when joining or overlapping these stiffer fabrics.

Local governments may specify the use of properly compacted native material. In many instances, this may be the preferred alternative because the soil forms a more continuous contact with the trench below, and use of native materials





FILTER FENCE (FF)
NTS

Definition A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched. The filter fence is constructed of stakes and synthetic filter fabric with a rigid wire fence backing where necessary for support.

Purpose

1. To intercept and detain small amounts of sediment under sheet flow conditions from disturbed areas during construction operations in order to prevent sediment from leaving the site.

2. To decrease the velocity of sheet flows.

Conditions Where Practice Applies

- Filter fences must be provided just upstream of the point(s) of discharge of runoff from a site, before the flow becomes concentrated. They may also be required:

  1. Below disturbed areas where runoff may occur in the form of sheet and rill erosion; wherever runoff has the potential to impact downstream resources.

  2. Perpendicular to minor swales or ditch lines for contributing drainage areas up to one acre in size.

RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1729 & G
DATE ACCEPTED: 6/22/01

Definition A temporary stone-stabilized pad located at points of vehicular ingress and egress on a construction site.

Purpose

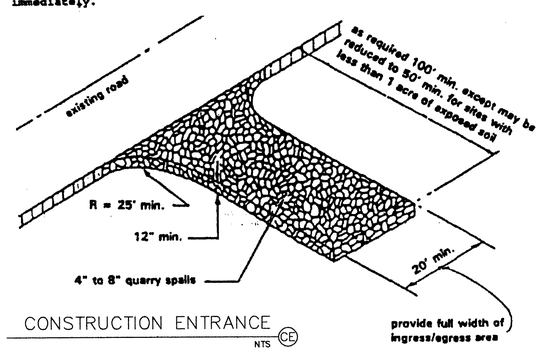
To reduce the amount of mud, dirt, rocks, etc. transported onto public roads by motor vehicles or runoff by constructing a stabilized pad of rock spalls at entrances to construction sites and washing of tires during egress.

Conditions Where Practice Applies

- Whenever traffic will be leaving a construction site and moving directly onto a public road or other paved areas.

Maintenance

- The entrance shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing with 2-inch stone, as conditions demand, and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately.



CONSTRUCTION ENTRANCE (CE)
NTS

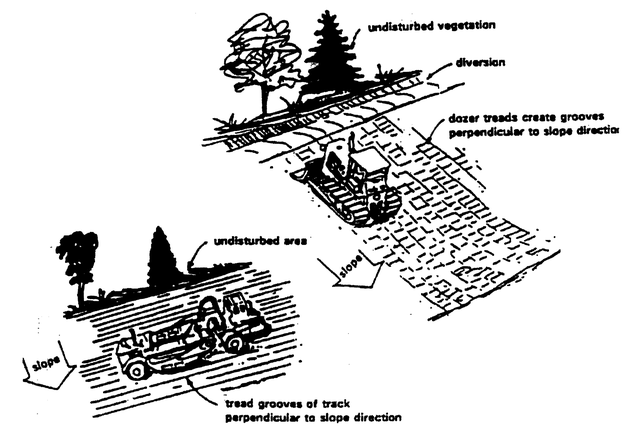
Definition Provision of a rough soil surface with horizontal depressions created by operating a tiller or other suitable equipment on the contour or by leaving slopes in a roughened condition by not fine grading them.

Purpose

To aid in establishment of vegetative cover, reduce runoff velocity, increase infiltration, and provide for sediment trapping.

Conditions Where Practice Applies

- All slopes steeper than 3:1, and greater than 5 vertical feet, require surface roughening; either stair-step grading, grooving, furrowing, or tracking if they are to be stabilized with vegetation.



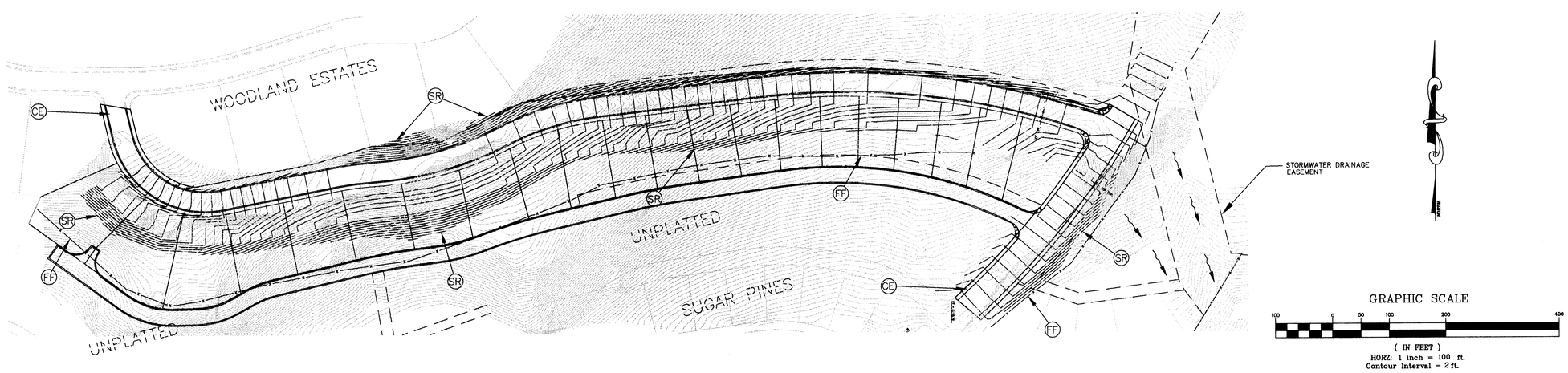
GROUND ROUGHENING (SR)
NTS

6/1/01 STI NORTHWEST
Record Drawing prepared by STI Northwest

BRICK K. STEER
STATE OF WASHINGTON
36302
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 3/30/02

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

SEE SHEET 6 OF 6 FOR CONSTRUCTION SPECIFICATIONS



DEVELOPER'S APPROVAL DATE

CALL BEFORE YOU DIG 456-8000

9815-4gr1.DWG

P-1729 G Eng As Built

SE

STORHAUG ENGINEERING
E. 9616 MONTGOMERY
SPOKANE, WA 99206
(509) 924-8052

DRAWN BY: JAM
CHECKED BY: JS
DATE: 5/24/99
SCALE: AS SHOWN

EROSION AND SEDIMENT CONTROL PLAN FOR RED OAK ADDITION

SHEET 5 OF 6
EROSION

Provide fresh, clean new crop seed complying with tolerance for purity and germination established by Official Seed Analysts of North America. Provide seed mixture composed of grass species and percentages as follows:

20 percent Elka Perennial Rye

20 percent Durar Hard Fescue

45 percent Covar Sheep/Fescue

15 percent reubens Canadian Bluegrass

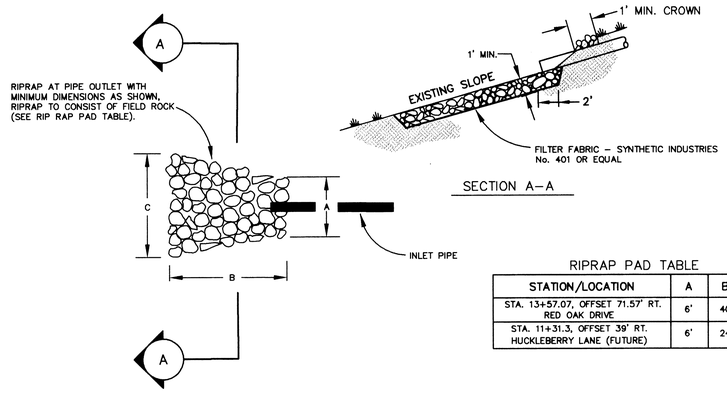
Provide mixture composed of grass seed and fertilizer in percentages as follows:

Grass seed mixture: 90 lbs. per acre
Fertilizer: 16:16:16 timed release composition, 300 lbs. per acre

All seeding of slopes shall be done in accordance with WSDOT Standard Specifications

Contractor shall irrigate seeded areas until seed has germinated and has been accepted by Spokane County.

SEEDING SPECIFICATIONS (1/6)

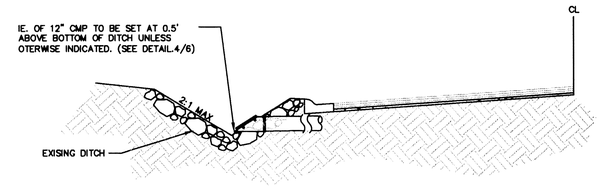


RIPRAP PAD TABLE

STATION/LOCATION	A	B	C
STA. 13+57.07, OFFSET 71.57' RT. RED OAK DRIVE	6'	40'	22'
STA. 11+31.3, OFFSET 39' RT. HUCKLEBERRY LANE (FUTURE)	6'	24'	16'

RIPRAP DETAIL (3/6)

NOT TO SCALE



RED OAK DR. STORMDRAIN OUTLET TO DRAINAGE DITCH SECTION (7/6)

NOT TO SCALE

Standard Notes for Construction Plans

The following standard notes are to be included in a road and drainage plan set, for privately sponsored developments. These notes are applicable to both public and private roads.

1) All work and materials shall be in conformance with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, and as amended.

2) Locations of existing utilities shown in the plans are approximate. The Contractor shall be responsible for locating all underground utilities. Any conflicting utilities shall be relocated prior to construction of road and drainage facilities.

3) The Contractor is required to have a complete set of the approved road and drainage plans on the job site whenever construction is in progress

4) If the Contractor discovers any discrepancies between the plans and existing conditions encountered, the Contractor shall immediately notify the Design Engineer and the Spokane County Engineer's Office.

5) For construction of drywells, install filter fabric (Amoco 4545 or approved equivalent) between the drywell barrel and the washed drainrock, and between the washed drainrock and the native soils.

6) Prior to site construction, the Contractor is responsible for locating underground utilities. Call the underground utility location service at 456–8000 before you dig.

Supplemental Notes, When Applicable

7) For any curb grades less than 0.8% (0.008 ft/ft), a Washington State–licensed Professional Land Surveyor shall verify that the curb forms are at the grades noted on the approved plans, prior to placement of curb material. The Contractor is responsible for arranging and coordinating work with the Professional Land Surveyor.

8) The Contractor shall employ a licensed surveyor to verify that the cross–gutter forms are at the correct plane grade prior to concrete placement. The cross–gutters shall be constructed prior to paving, and the pavement shall then match the edge of concrete gutter.

Use note #9 wherever GPA swales are used:

9) The floor of a Grassed Percolation Area (GPA) swale includes the level portion of the floor of the swale, and the side slopes of the swale up to the GPA overflow elevation or top of drywell. The soil located in the floor of the GPA swale shall be a medium to well–draining material, with a minimum infiltration rate of 0.5 inches per hour. The Engineer shall provide a written statement which verifies that all GPA swales conform to this requirement. This written statement shall be submitted to the Spokane County Engineer's Office prior to installing finished landscaping/sod and prior to final acceptance. The swale floor material shall be installed to a native soil stratum which also meets or exceeds this minimum percolation rate of 0.5 inches per hour.

Notes ER1 through ER4 are to be included in the plan set when erosion control facilities are required or incorporated into the plans.

ER1) An Erosion/Sedimentation Control (ESC) plan is required for this project. Implementation of the ESC plan, and construction, maintenance, and upgrading of the ESC facilities are the responsibility of the Developer until all construction is completed and accepted by Spokane County, or until vegetation is established throughout the site, and accepted by the County Spokane, whichever is later.

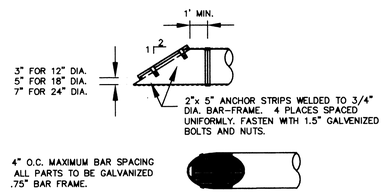
ER2) Approval of the ESC plan does not constitute approval of any of the proposed road, storm drainage, grading or utility design elements shown on the ESC plan.

ER3) The erosion/sedimentation control measures shown are the minimum requirements for the anticipated site conditions. The Contractor shall inspect and maintain these ESC measures daily, and shall maintain and upgrade these measures as necessary to prevent sediment–laden water from either flowing off the site, or into new/existing storm drainage facilities, such as drywells, culverts, or gravel galleries.

ER4) The Contractor/Developer is responsible for installing Rock Construction Entries at any and all locations used to enter or exit the project site.

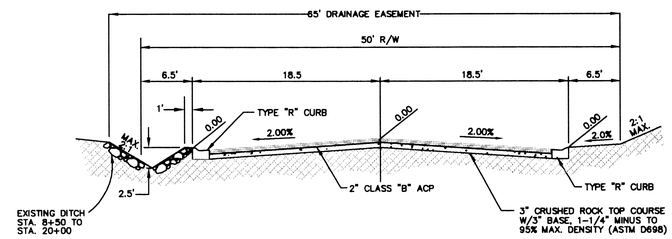
ER5) Geotextile fabric is to be place on the rims of drywells, catch basins and inlets until such time the vegetation on the site is established and the threat of sediment deposition into the drainage system is mitigated.

CONSTRUCTION SPECIFICATIONS (2/6)



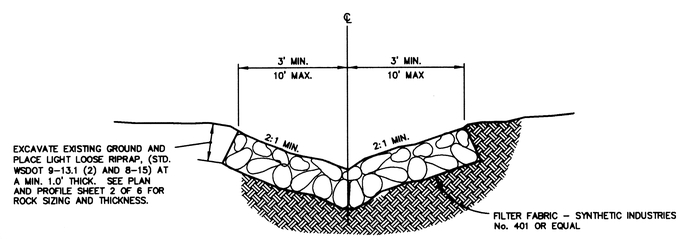
PIPE INLET AND OUTLET (4/6)

NOT TO SCALE



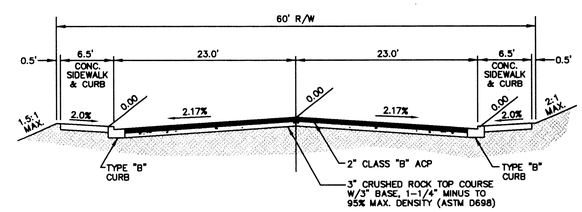
RED OAK DRIVE ROAD AND DRAINAGE DITCH SECTION (8/6)

NOT TO SCALE



RIPRAP DITCH SECTION (6/6)

NOT TO SCALE



VISTA PARK DRIVE ROAD SECTION STA. 9+34.56 TO 13+80.00 (9/6)

NOT TO SCALE

ERYC K. LESTER
STATE OF WASHINGTON
36302
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 3/30/02

I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standard Specifications except as noted.

DEVELOPER'S APPROVAL DATE

6/7/01 STI NORTHWEST
Record Drawing prepared by STI Northwest

CALL BEFORE YOU DIG 456–8000

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1729 G
DATE ACCEPTED: 6/22/01

RECORD DRAWING

STORHAUG ENGINEERING
E. 9616 MONTGOMERY
SPOKANE, WA 99206
(509) 924–8052

DRAWN BY: MORSE
CHECKED BY: GREDVIG
DATE: 9/21/99
SCALE: AS SHOWN

RED OAK DRIVE
STREET AND DRAINAGE
DETAILS

SHEET 6 OF 6
DETAILS

98164ELDWG

P-1729G Eng As Built