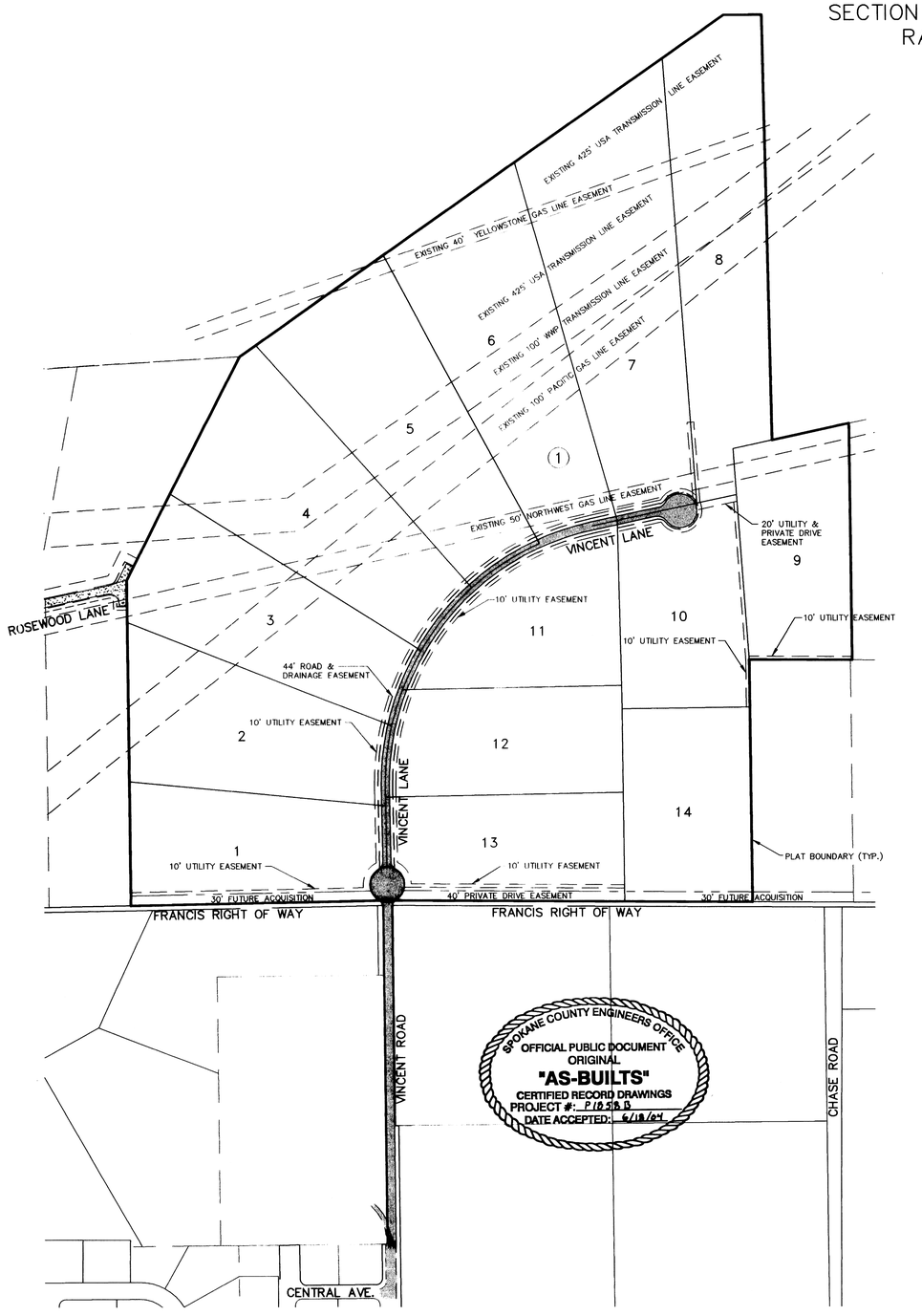
STONE ARROW 1st. ADDITION

SECTION 25, TOWNSHIP 26 NORTH,
RANGE 45 EAST, W.M.



RECORD DRAWING:

FOR STREET/STORM

1– INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2– CONTRACTOR: NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3– CONSTRUCTION PERIOD: 2003–2004
4– DRAWING REVISIONS BY: JAM DATE: 06/11/04
5– CHECKED BY: CM DATE: 6/14/04

This document only represents an illustration of improvements recorded in place and is not an exact representation of location or placement. Only data shown in balloon ( ) represents information obtained from post construction survey. "I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standards Specifications except as noted."

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1858B
DATE ACCEPTED: 6/18/04

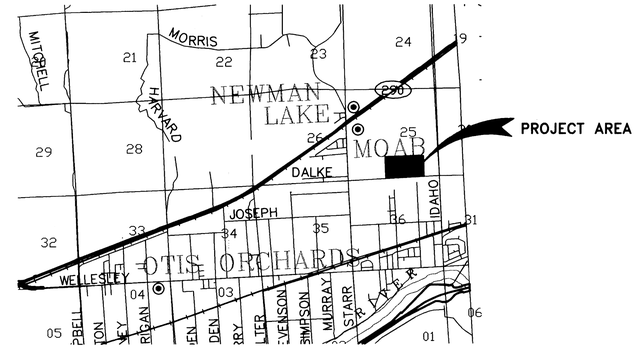
LEGEND

EXISTING FEATURES

- ASPHALT SURFACING
- CURB
- SIDEWALK
- FOUND POINT AS NOTED
- DRYWELL
- GUY WIRE POLE
- POWER POLE
- TELEPHONE ENCLOSURE
- WATER VALVE
- FIRE HYDRANT
- SANITARY SEWER MANHOLE
- WA — WATER LINE
- SS — SANITARY SEWER LINE
- SD — STORM DRAIN LINE / CULVERT
- OHP — POWER LINE (OHP OR UGP)
- OHT — TELEPHONE LINE (OHT OR UGT)
- GA — GAS LINE
- 1924 — CONTOURS
- X — FENCE
- FO — FIBER OPTIC LINE

PROPOSED IMPROVEMENTS

- ASPHALT SURFACING – SEE DESIGN PLANS FOR SPECIFICATIONS
- CURB – SEE DESIGN PLANS FOR TYPE
- SIDEWALK – SEE DESIGN PLANS FOR SPECIFICATIONS
- DRYWELL – SEE DESIGN PLANS FOR SPECIFICATIONS
- OR — CONCRETE INLET
- POWER POLE
- WATER VALVE
- FIRE HYDRANT
- W — WATER SHUTOFF / WATER VAULT
- SANITARY SEWER MANHOLE
- CO — CLEANOUT (CO)
- 8"WA — WATER LINE (AS SIZED)
- SLEEVE FOR WATER / SEWER CROSSING
- 8"SS — SANITARY SEWER LINE (AS SIZED)
- SD — STORM DRAIN LINE / CULVERT
- UTILITY TRENCHING
- GAS LINE TRENCHING
- 1924 — CONTOURS
- STORM WATER SWALE / POND
- DIRECTION OF SURFACE STORM WATER DRAINAGE
- 1924.50 / 1924.00 — TOP OF CURB ELEVATION / FLOWLINE ELEVATION
- CURB INLET / 1924.00 — CURB INLET / INLET ELEVATION AT FLOWLINE
- 1924.00 — FINISHED GRADE ELEVATION



VICINITY MAP
NTS

SHEET INDEX

SHEET 1	COVER SHEET AND INDEX SHEET – STREET AND STORM DRAINAGE
SHEET 2	EROSION AND SEDIMENT CONTROL PLAN
SHEET 3	PLAN AND PROFILE VINCENT RD. – STA. 2+35.94 – 12+74.36
SHEET 4	PLAN AND PROFILE VINCENT LN. – STA. 12+74.36 – 21+00
SHEET 5	PLAN AND PROFILE VINCENT LN. – STA. 21+00 – 29+50 & CUL-DE-SAC
SHEET 6	DETAIL SHEET

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 STORM WATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEERS. I APPROVE THESE PLANS FOR CONSTRUCTION.

JERRY D. STORHAUG — DATE: 6/18/04 "Record Drawings"

DEVELOPERS APPROVAL — DATE

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

CALL BEFORE YOU DIG 456-8000

No.	DATE	BY
5	RECORD DRAWINGS 06/11/04	JAM
4		
3		
2		
1		

STORHAUG ENGINEERING
CIVIL ENGINEERING AND PROJECT MANAGEMENT
1322 NORTH MONROE SPOKANE, WA 99201
PHONE 509-242-1000 FAX 509-242-1001

SHEET TITLE: COVER SHEET AND INDEX SHEET
STREET AND STORM DRAINAGE

PROJECT TITLE: STONE ARROW 1st. ADDITION
SPOKANE COUNTY, WASHINGTON

SEAL: JERRY D. STORHAUG — STATE OF WASHINGTON — 18459 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 1/23/

DATE	10/16/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03-047
DRAWING NO.	1 OF 7
	COVER

03047-gDWG COVER

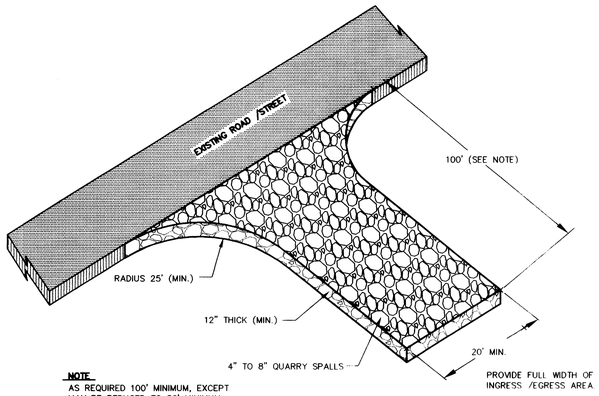
P-1858B Eng As-built

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, ROCK, 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: WHEREVER TRAFFIC WILL BE LEAVING A UPSTREAM OF THE 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 RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONES, 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



NOTE
AS REQUIRED 100' MINIMUM, EXCEPT MAY BE REDUCED TO 50' MINIMUM FOR SITES WITH LESS THAN 1 ACRE OF EXPOSED SOIL.

STABILIZED CONSTRUCTION ENTRANCE/ TIRE WASH NTS (CE)

DEFINITION: A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTAC.) 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.

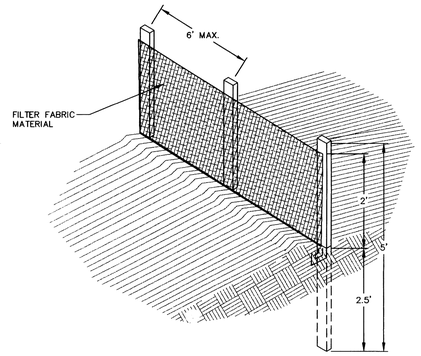
2. TO DECREASE THE VELOCITY OF SHEET FLOWS.

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 FROM CONTRIBUTING DRAINAGE AREAS UP TO ONE ACRE IN SIZE.

3. CONTRACTOR SHALL COORDINATE WITH DESIGN ENGINEER FOR ACTUAL PLACEMENT LOCATIONS.



STANDARD NOTES: IN ADDITION TO THE TECHNICAL INFORMATION REPORT (SEE CHAPTER I-3) REQUIRED BY THE LOCAL GOVERNMENT WHEN PREPARING AN EROSION AND SEDIMENT CONTROL PLAN, ADD THE FOLLOWING NOTES TO THE FILTER FABRIC FENCE DETAIL (FIGURE II-5.1):

A. THE FILTER FABRIC FENCE SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, OVERLAP FILTER CLOTH AND SECURELY FASTEN BOTH ENDS TO THE POST.

B. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 30 INCHES (WHERE PHYSICALLY POSSIBLE).

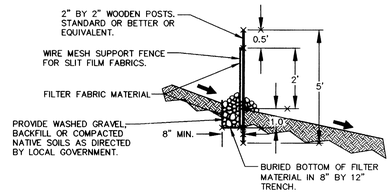
C. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THE TRENCH SHALL BE CONSTRUCTED TO FOLLOW THE CONTOURS.

D. 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.

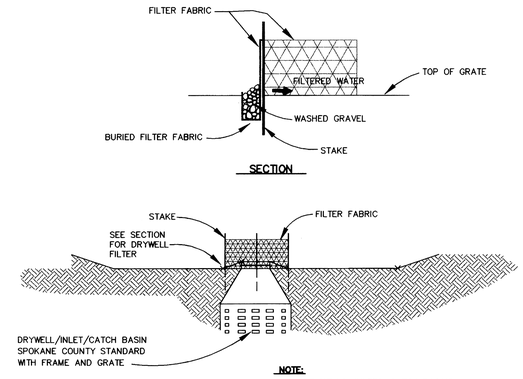
E. SLIT FILM FILTER FABRIC SHALL BE WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES. OTHER TYPES OF FABRIC MAY BE STAPLED TO THE FENCE.

F. 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.

G. LOCAL GOVERNMENTS MAY SPECIFY THE USE OF PROPERLY COMPACTED NATIVE MATERIALS. IN MANY INSTANCES, THIS MAY BE THE PREFERRED ALTERNATIVE BECAUSE THE SOIL FORMS A MORE CONTINUOUS CONTACT WITH THE TRENCH BELOW.



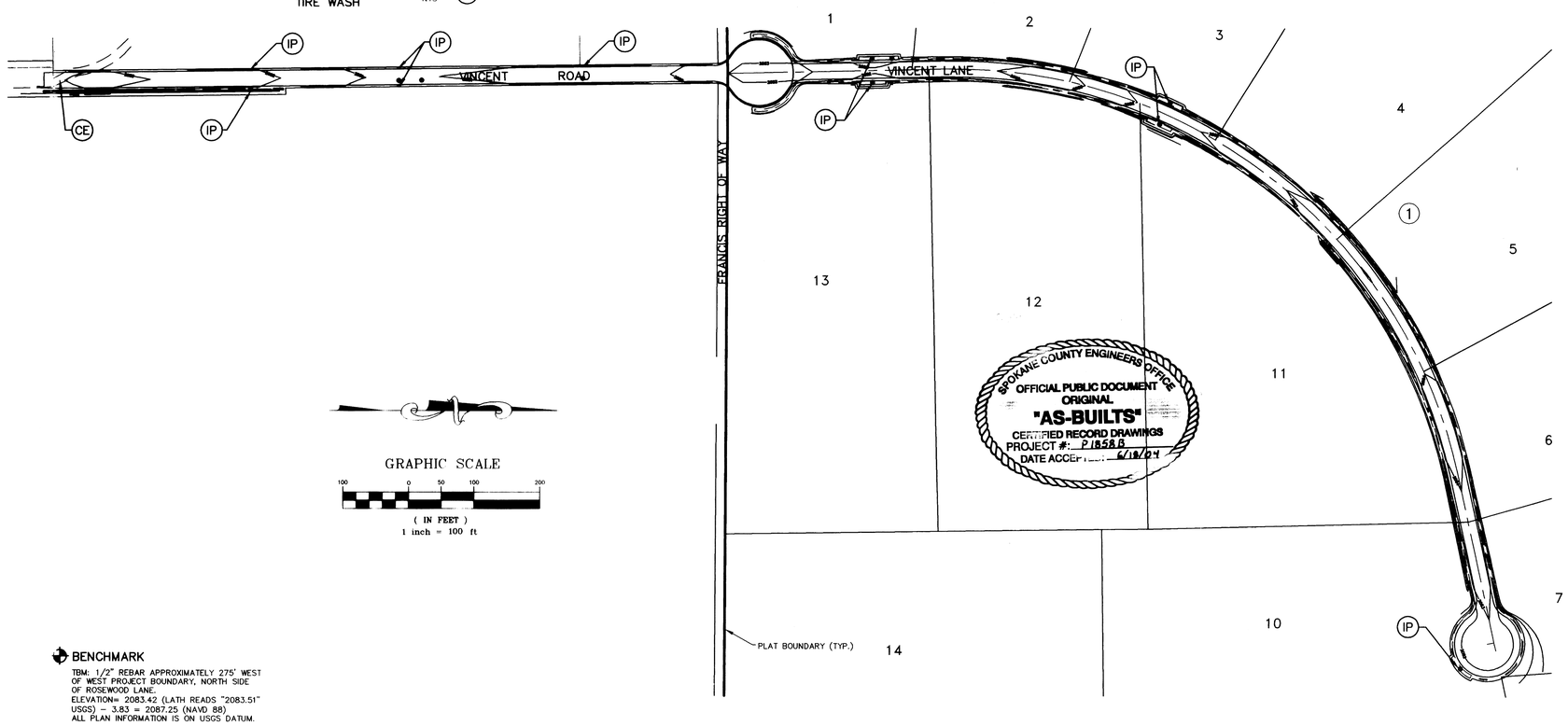
FILTER FENCE NTS (FF)



NOTE:
1. ALL DRYWELLS, INLETS, CATCH BASINS AND ANY OTHER STORMDRAIN FIXTURES WITH GRATED INLETS SHALL BE PROTECTED.

2. PROTECTION SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED.

TEMPORARY DRYWELL / INLET PROTECTION NTS. (IP)



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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1858B
DATE ACCEPTED: 6/14/04

BENCHMARK
TBM: 1/2" REBAR APPROXIMATELY 275' WEST OF WEST PROJECT BOUNDARY, NORTH SIDE OF ROSEWOOD LANE.
ELEVATION= 2083.42 (LATH READS "2083.51" USGS) - 3.83 = 2087.25 (NAVD 88)
ALL PLAN INFORMATION IS ON USGS DATUM.

PROJECT ADDRESS

STONE ARROW
VINCENT ROAD

CONTACT PERSON

TIM JONES
509-466-6650

PROJECT / SITE DESCRIPTION

THE PROJECT CONSIST OF PUBLIC AND PRIVATE ROAD IMPROVEMENTS TO SERVE 14 PARCELS OF LAND. THE PROJECT WILL INCLUDE 208 SWALE ALONG BOTH SIDES OF THE PRIVATE LANE TO PROVIDE TREATEMENT FOR STORMWATER.
THE SITE IS PRIMARILY FLAT, AND IS CURRENTLY A GRASS FIELD WITH SOME SCATTERED BRUSH.

SOIL TYPE

THE SOILS IN THIS REGION OF THE PROJECT HAVE BEEN IDENTIFIED AS PREDOMINANTLY GARISON SOILS (GnB) BY THE SPOKANE COUNTY SOILS SURVEY MAP.

ESC MEASURES

FILTER FENCE WILL BE USED TO AID IN CONTAINING ANY SEDIMENT ON THE SITE DURING CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCES WILL BE USED AT POINTS OF INGRESS AND EGRESS FOR CONSTRUCTION VEHICLES.

REFER TO PLAN VIEW ON THIS SHEET FOR APPROXIMATE LOCATION OF THE ABOVE ITEMS.

RECORD DRAWING:
FOR STREET/STORM

1- INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2- CONTRACTOR: NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3- CONSTRUCTION PERIOD: 2003-2004
4- DRAWING REVISIONS BY: JAM DATE: 06/11/04
5- CHECKED BY: CM DATE: 6/14/04

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No.	DATE	BY
4		
3	RECORD DRAWINGS 06/11/04	JAM
2		
1		

STORHAUG ENGINEERING
CIVIL ENGINEERING AND PROJECT MANAGEMENT
1322 NORTH MONROE SPOKANE, WA 99201
PHONE 509-242-1000 FAX 509-242-1001

SHEET TITLE: EROSION AND SEDIMENT CONTROL PLAN

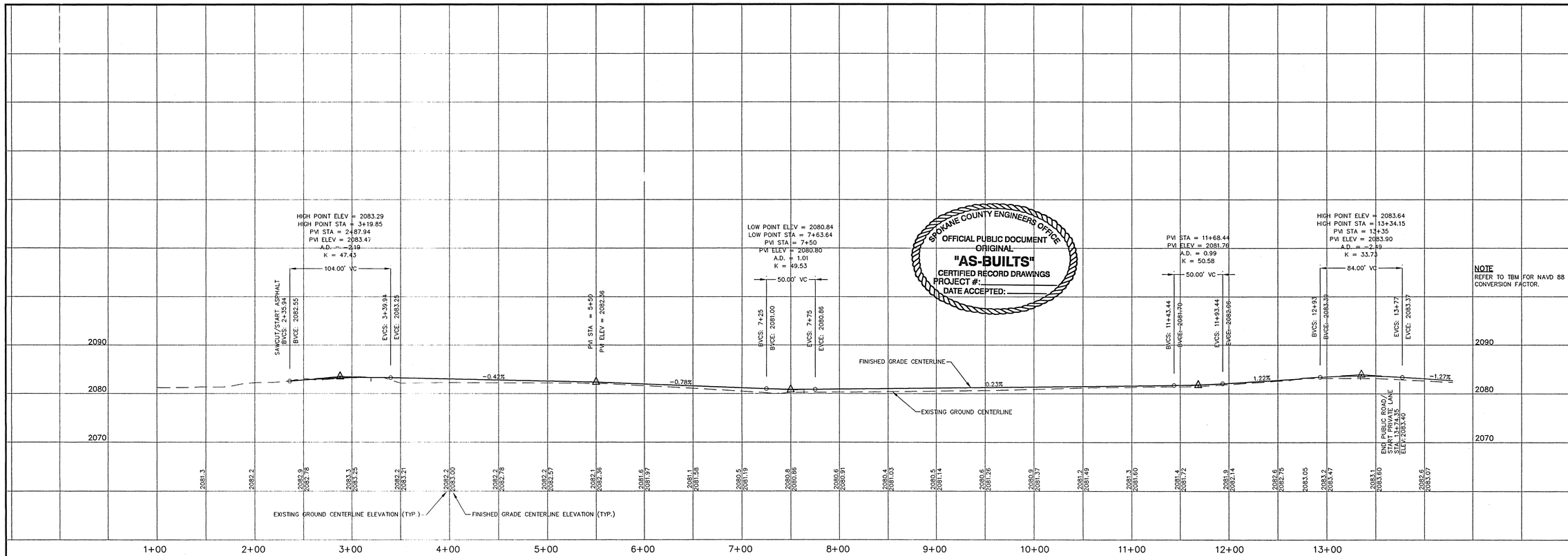
PROJECT TITLE: STONE ARROW 1st. ADDITION SPOKANE COUNTY, WASHINGTON

SEAL: JERRY D. STORHAUG, STATE OF WASHINGTON, 25509, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 1/23/ 00

DATE	09/10/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03-047
DRAWING NO.	2 OF 7
	EROSION

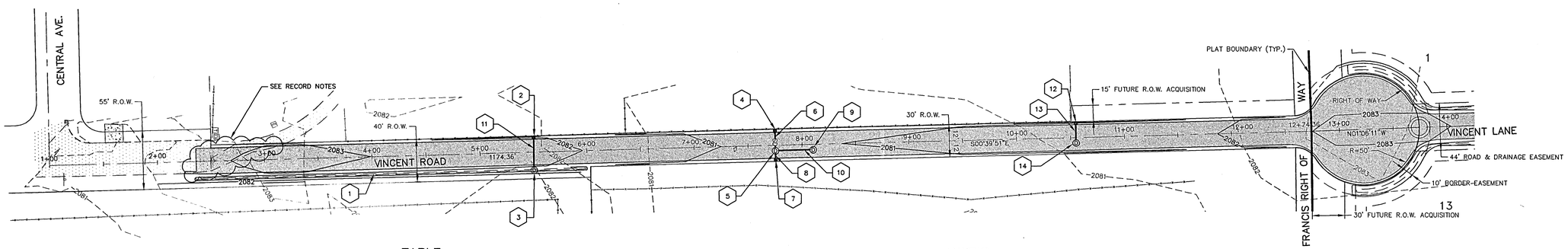
03047-gDWG EROSION

P-1858B Eng As Built



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

NOTE
REFER TO TBM FOR NAVD 88 CONVERSION FACTOR.



TABLE

1. 208 SWALE
AREA= 360 SF.
BOTTOM EL.= 2081.12
DIM.- 1.0' X 360'
SWALE DEPTH= 1' (MIN.)
SEE DETAIL SHEET

2. CATCH BASIN TYPE 1
SPOKANE COUNTY STD. SHT. B-4
W/WSDOT STD. PLAN B-2a METAL FRAME & GRATE
STA.= 5+50.00, 14.00' LT.
GRATE EL.= 2081.85 (0.25' ABOVE DITCH BOTTOM)
IE.= 2077.85 (OUT)

3. SPOKANE COUNTY DRYWELL STD. SHEET B-1a
TYPE B W/TYPE 4 FRAME AND GRATE
STA. 5+50.00, 16.75' RT.
RIM EL. 2081.80
IE.= 2076.05 (IN)

4. CATCH BASIN TYPE 1
SPOKANE COUNTY STD. SHT. B-4
W/WSDOT STD. PLAN B-2a METAL FRAME & GRATE
STA.= 7+75.22, 14.00' LT.
GRATE EL.= 2080.35 (0.25' ABOVE DITCH BOTTOM)
IE.= 2076.35 (OUT)

5. SPOKANE COUNTY DRYWELL STD. SHEET B-1
TYPE B W/TYPE 4 FRAME AND SOLID LID
STA. 7+75.22, 5.0' RT.
RIM EL. 2080.76
IE.= 2075.00 (IN) SEE RECORD NOTES

6. 12" CPEP STORM DRAIN PIPE
L= 17.3'
S.= 7.8%

7. CATCH BASIN TYPE 1
SPOKANE COUNTY STD. SHT. B-4
W/WSDOT STD. PLAN B-2a METAL FRAME & GRATE
STA.= 7+75.22, 14.0' RT.
GRATE EL.= 2080.35 (0.25' ABOVE DITCH BOTTOM)
IE.= 2076.35 (OUT)

8. 12" CPEP STORM DRAIN PIPE
L= 7.3'
S.= 18.5%

9. SPOKANE COUNTY DRYWELL STD. SHEET B-1
TYPE B W/TYPE 4 FRAME AND SOLID LID
STA. 8+10.22, 5.0' RT.
RIM EL. 2080.84
IE.= 2075.00 (IN) SEE RECORD NOTES

10. 12" CPEP STORM DRAIN PIPE
L= 36.0'
S.= 0.0%
I.E.= 2076.68

11. 12" CPEP STORM DRAIN PIPE
L= 29'
S.= 6.2%

12. CATCH BASIN TYPE 1
SPOKANE COUNTY STD. SHT. B-4
W/WSDOT STD. PLAN B-2a METAL FRAME & GRATE
STA.= ~~10+55.00, 14.0' LT.~~ 10+60.00, 14.0' LT.
GRATE EL.= 2080.99 (0.25' ABOVE DITCH BOTTOM)
IE.= 2076.99 (OUT)

13. 12" CPEP STORM DRAIN PIPE
L= 17.3'
S.= 7.2%

14. SPOKANE COUNTY DRYWELL STD. SHEET B-1
TYPE B W/TYPE 4 FRAME AND SOLID LID
STA. 10+55.00, 5.0' RT.
RIM EL. 2081.39
IE.= 2075.75 (IN) SEE RECORD NOTES

RECORD NOTES

* STORHAUG ENGINEERING TAKES EXCEPTION TO THIS DEFICIENCY AND DOES NOT WARRANT FUTURE PERFORMANCE OF THIS ITEM OF DEFICIENT CONSTRUCTION.

1. ADJUSTMENT RINGS NOT MORTARED AS SHOWN ON STD B-1, SPOKANE COUNTY HAS ACCEPTED AS CONSTRUCTED.

2. EXISTING ASPHALT REMAINING IN PLACE, SPOKANE COUNTY HAS ACCEPTED AS CONSTRUCTED.

NOTES

1. SEE CONSTRUCTION AND SEEDING SPECIFICATIONS SHOWN ON DETAIL SHEET.

2. ALL RADIUS RETURNS ARE 30' AT EDGE OF ASPHALT.

3. SWALE BOTTOM ELEVATION AND DIMENSIONS REFER TO THE FLAT PORTION OF THE SWALES ONLY AND DOES NOT APPLY TO THE SWALE/DITCH AREA THAT FOLLOWS THE CENTERLINE PROFILE. SEE DETAIL SHEET FOR SWALE/DITCH CONSTRUCTION SPECIFICATIONS.

4. CONTRACTOR SHALL OBTAIN ALL REQUIRED CONSTRUCTION EASEMENTS FROM ADJACENT PROPERTY OWNERS PRIOR TO BEGINNING CONSTRUCTION OF ROADWAY. CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNERS REGARDING RELOCATION AND RECONSTRUCTION OF PRIVATE FACILITIES CONSTRUCTED WITHIN THE RIGHT OF WAY.

5. REFER TO TBM FOR THE NAVD 88 CONVERSION FACTOR.

RECORD DRAWING:

FOR STREET/STORM

1- INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2- CONTRACTOR: NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3- CONSTRUCTION PERIOD: 2003-2004
4- DRAWING REVISIONS BY: JAM DATE: 06/11/04
5- CHECKED BY: C.M. DATE: 6/14/04

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

BENCHMARK
TBM: 1/2" REBAR APPROXIMATELY 275' WEST OF WEST PROJECT BOUNDARY, NORTH SIDE OF ROSEWOOD LANE.
ELEVATION= 2083.42 (LATH READS "2083.51" USGS) - 3.83 = 2087.25 (NAVD 88)
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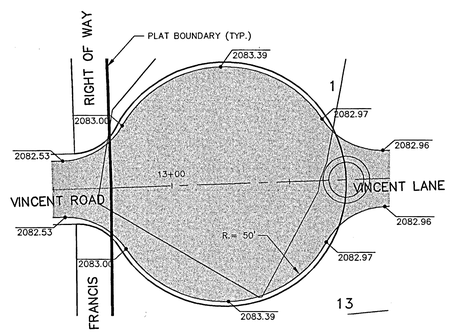

CUL-DE-SAC EDGE OF PAVEMENT DETAIL
SCALE 1" = 30'

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No.	DATE	BY
4		
3	RECORD DRAWINGS 06/11/04	JAM
2		
1		

STORHAUG ENGINEERING
CIVIL ENGINEERING AND PROJECT MANAGEMENT
1322 NORTH MONROE SPOKANE, WA 99201
PHONE 509-242-1000 FAX 509-242-1001

SHEET TITLE: PLAN AND PROFILE VINCENT RD. STA. 2+35.94 - 12+74.36

PROJECT TITLE: STONE ARROW 1st. ADDITION SPOKANE COUNTY, WASHINGTON

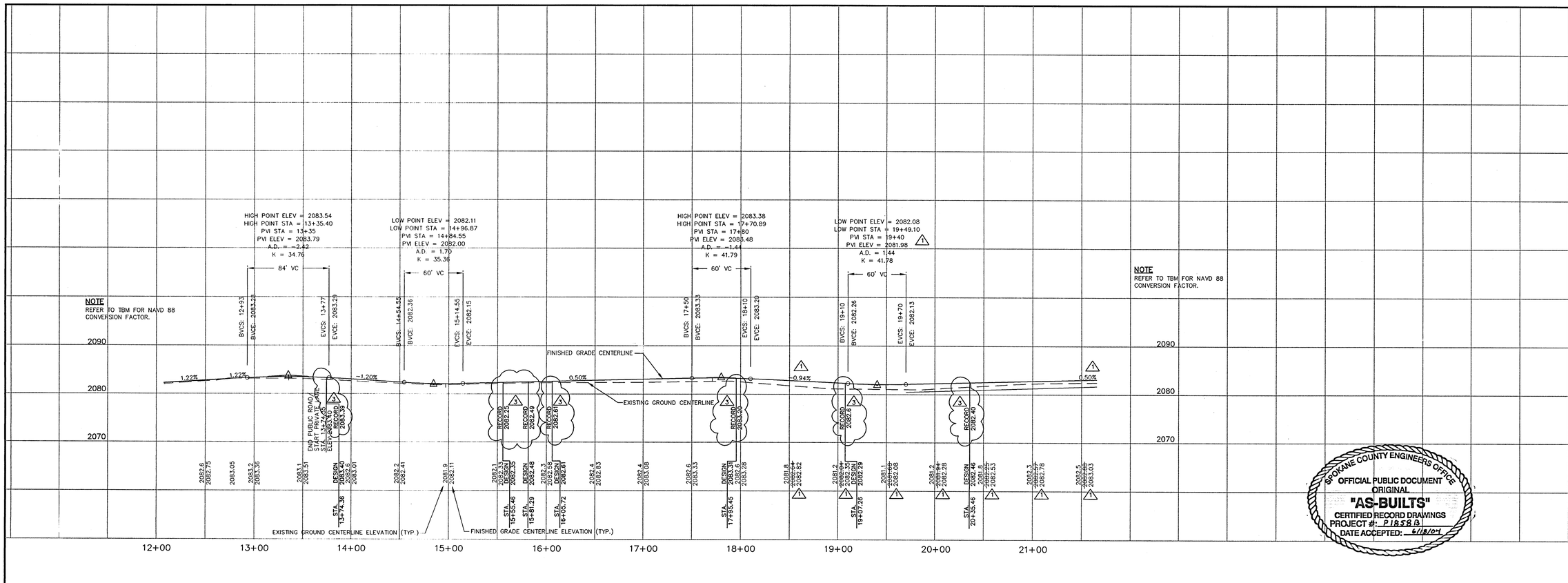
SEAL: JEFFREY D. STORHAUG, STATE OF WASHINGTON, 25599, REGISTERED PROFESSIONAL ENGINEER, EXPIRES 1/20/ 60

DATE	09/10/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03-047
DRAWING NO.	3 OF 7
	STREET

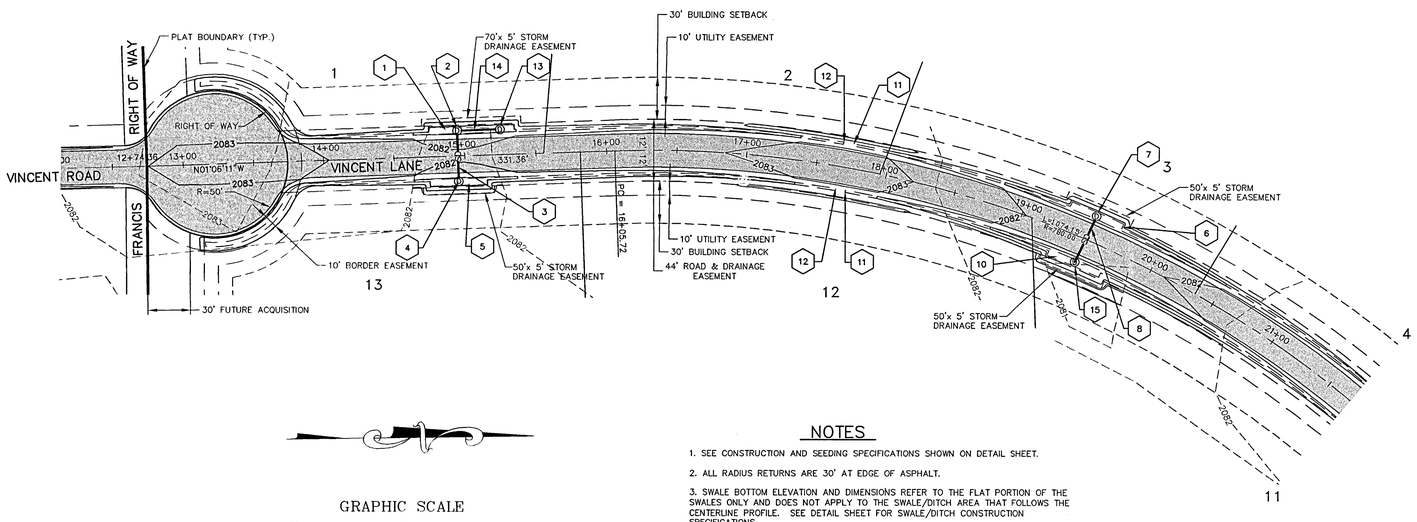
03047-gDWG ST-1

P-1858B Eng As Built

No.	DATE	BY
4	RECORD DRAWINGS 06/11/04	JAM
3	REVISED C-D-S CENTER LOCATION	JAM
2	REVISED RD. GRADE 10/27/03	JAM
1		



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P18583
DATE ACCEPTED: 6/18/04



TABLE

1. 208 SWALE (SEE NOTE 3)
   BOTTOM EL.= 2080.83
   DIM.– 5'x 60'
   SWALE DEPTH= 1' (MIN.)
   SEE DETAIL SHEET
2. SPOKANE COUNTY DRYWELL STD.
   SHEET B-1a
   TYPE B W/TYPE 4 FRAME AND GRATE
   STA. 14+95.18, 18.0' LT.
   RIM EL. 2081.33
3. 12" CPEP STORM DRAIN PIPE
   L= 34.0'
   IE.= 2078.00 (IN, OUT)
   PIPE SHALL BE LEVEL BETWEEN DRYWELLS
4. SPOKANE COUNTY DRYWELL STD.
   SHEET B-1a
   TYPE B W/TYPE 4 FRAME AND GRATE
   STA. 14+95.18, 18.0' RT.
   RIM EL. 2081.33
5. 208 SWALE (SEE NOTE 3)
   BOTTOM EL.= 2080.83
   DIM.– 5'x 40'
   SWALE DEPTH= 1' (MIN.)
   SEE DETAIL SHEET
6. 208 SWALE (SEE NOTE 3)
   BOTTOM EL.= 2080.40
   DIM.– 5'x 40'
   SWALE DEPTH= 1' (MIN.)
   SEE DETAIL SHEET
7. SPOKANE COUNTY DRYWELL STD.
   SHEET B-1a
   TYPE B W/TYPE 4 FRAME AND GRATE
   STA. 19+47.75, 18.0' LT.
   RIM EL. 2080.90
8. 12" CPEP STORM DRAIN PIPE
   L= 35.0"
   S= 1.0%
9. NOT USED
10. 208 SWALE (SEE NOTE 3)
    BOTTOM EL.= 2080.40
    DIM.– 5'x 40'
    SWALE DEPTH= 1' (MIN.)
    SEE DETAIL SHEET
11. START OF SWALE/DITCH
    STA. 17+73.21
    EL.= 2082.09
    REFER TO VINCENT LANE ROAD SECTION ON DETAIL SHEET
12. START OF SWALE/DITCH
    STA. 17+66.21
    EL.= 2082.11
    REFER TO VINCENT LANE ROAD SECTION ON DETAIL SHEET
13. SPOKANE COUNTY DRYWELL STD. SHEET B-1a
    TYPE B W/TYPE 4 FRAME AND GRATE
    STA. 14+25.18, 18.0' LT.
    RIM EL. 2081.33
14. 12" CPEP STORM DRAIN PIPE
    L= 30.0'
    IE.= 2078.00 (IN, OUT)
    PIPE SHALL BE LEVEL BETWEEN DRYWELLS
15. SPOKANE COUNTY DRYWELL STD. SHEET B-1a
    TYPE B W/TYPE 4 FRAME AND GRATE
    STA. 19+47.75, 18.0' RT.
    RIM EL. 2080.90

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

NOTES

1. SEE CONSTRUCTION AND SEEDING SPECIFICATIONS SHOWN ON DETAIL SHEET.
2. ALL RADIUS RETURNS ARE 30' AT EDGE OF ASPHALT.
3. SWALE BOTTOM ELEVATION AND DIMENSIONS REFER TO THE FLAT PORTION OF THE SWALES ONLY AND DOES NOT APPLY TO THE SWALE/DITCH AREA THAT FOLLOWS THE CENTERLINE PROFILE. SEE DETAIL SHEET FOR SWALE/DITCH CONSTRUCTION SPECIFICATIONS.
4. REFER TO TBM FOR NAVD 88 FOR CONVERSION FACTOR.
5. CONTRACTOR SHALL OBTAIN ALL REQUIRED CONSTRUCTION EASEMENTS FROM ADJACENT PROPERTY OWNERS PRIOR TO BEGINNING CONSTRUCTION OF ROADWAY. CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNERS REGARDING RELOCATION AND RECONSTRUCTION OF PRIVATE FACILITIES CONSTRUCTED WITHIN THE RIGHT OF WAY.

BENCHMARK

TBM: 1/2" REBAR APPROXIMATELY 275' WEST OF WEST PROJECT BOUNDARY, NORTH SIDE OF ROSEWOOD LANE.
ELEVATION= 2083.42 (LATH READS "2083.51" USGS) – 3.83 = 2087.25 (NAVD 88)
ALL PLAN INFORMATION IS ON USGS DATUM.

RECORD DRAWING:

FOR STREET/STORM

1– INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2– CONTRACTOR(S): NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3– CONSTRUCTION PERIOD: 2003–2004
4– DRAWING REVISIONS BY: JAM DATE: 06/11/04
5– CHECKED BY: CM DATE: 6/18/04

This document only represents an illustration of improvements recorded in place and is not an exact representation of location or placement. Only data shown in balloon represents information obtained from post construction survey. "I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standards Specifications except as noted."

CALL BEFORE YOU DIG 456–8000

STORHAUG ENGINEERING
CIVIL–ENGINEERING AND PROJECT–MANAGEMENT
1322–NORTH–MONROE SPOKANE, WA–99201
PHONE 509–242–1000 FAX 509–242–1001

SHEET TITLE: PLAN AND PROFILE VINCENT LN. STA. 12+74.36 – 21+00

PROJECT TITLE: STONE ARROW 1st. ADDITION SPOKANE COUNTY, WASHINGTON

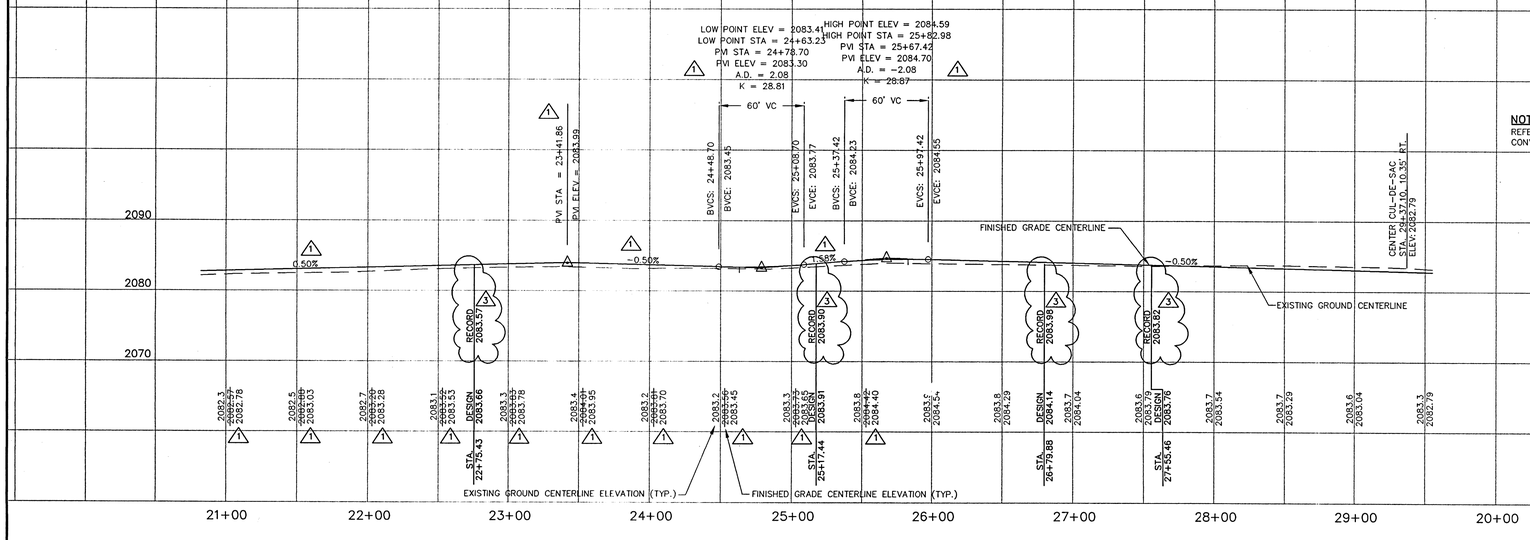
SEAL: JERRY D. STORHAUG, STATE OF WASHINGTON, 25503, REGISTERED PROFESSIONAL ENGINEER

DATE	10/16/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03–047
DRAWING NO.	4 OF 7
	STREET

03047–p–addendum–rec.DWG ST–2

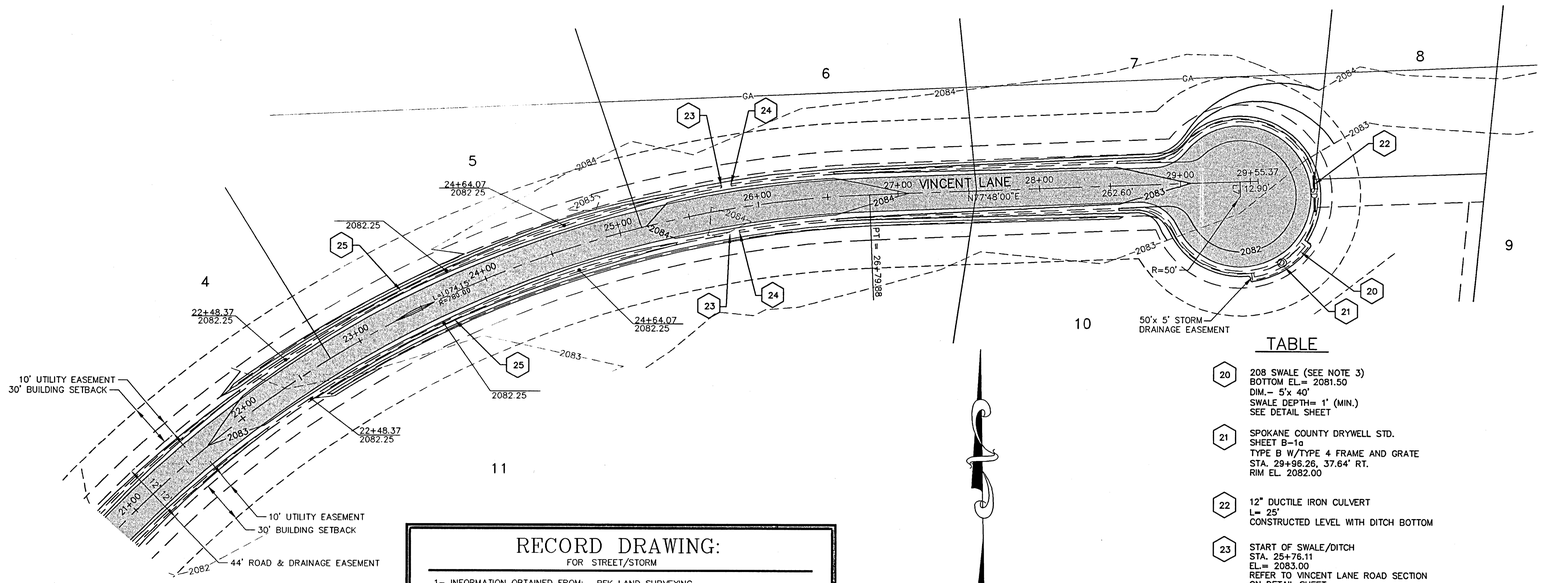
P-18583 Eng As-Builts

No.	DATE	BY
4		
3	RECORD DRAWINGS 06/11/04	JAM
2	REVISED C-D-S CENTER LOCATION	JAM
1	REVISED RD. GRADE 10/27/03	JAM



NOTE
REFER TO TBM FOR NAVD 88 CONVERSION FACTOR.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1858 B
DATE ACCEPTED: 6/18/04



LINE TABLE

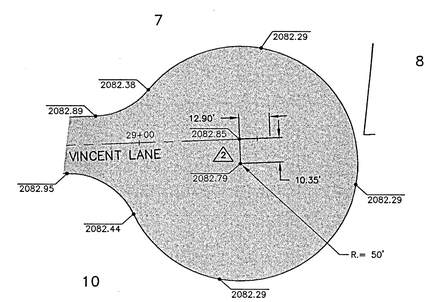
L7	10.35	N12°12'00"W

NOTES

1. SEE CONSTRUCTION AND SEEDING SPECIFICATIONS SHOWN ON DETAIL SHEET.
2. ALL RADIUS RETURNS ARE 30' AT EDGE OF ASPHALT.
3. SWALE BOTTOM ELEVATION AND DIMENSIONS REFER TO THE FLAT PORTION OF THE SWALES ONLY AND DOES NOT APPLY TO THE SWALE/DITCH AREA THAT FOLLOWS THE CENTERLINE PROFILE. SEE DETAIL SHEET FOR SWALE/DITCH CONSTRUCTION SPECIFICATIONS.
4. REFER TO TBM FOR NAVD 88 CONVERSION FACTOR.

TABLE

20	208 SWALE (SEE NOTE 3) BOTTOM EL.= 2081.50 DIM.- 5'x 40' SWALE DEPTH= 1' (MIN.) SEE DETAIL SHEET
21	SPOKANE COUNTY DRYWELL STD. SHEET B-1a TYPE B W/TYPE 4 FRAME AND GRATE STA. 29+96.26, 37.64' RT. RIM EL. 2082.00
22	12" DUCTILE IRON CULVERT L= 25' CONSTRUCTED LEVEL WITH DITCH BOTTOM
23	START OF SWALE/DITCH STA. 25+76.11 EL.= 2083.00 REFER TO VINCENT LANE ROAD SECTION ON DETAIL SHEET
24	START OF SWALE/DITCH STA. 25+83.11 EL.= 2083.32 REFER TO VINCENT LANE ROAD SECTION ON DETAIL SHEET
25	DITCH SHALL BE GRADED FLAT (0% GRADE) FROM STA. 22+48.37 TO STA. 24+64.07. SEE SPOT ELEVATIONS AT EACH END. STORMWATER RUNOFF SHALL BE DIRECTED TO THE DRYWELLS LOCATED AT STA. 19+47.75. CARE SHALL BE TAKEN NOT TO CREATE NEGATIVE SLOPE IN THIS AREA.



CUL-DE-SAC EDGE OF PAVEMENT DETAIL

SCALE 1" = 30'

BENCHMARK
TBM: 1/2" REBAR APPROXIMATELY 275' WEST OF WEST PROJECT BOUNDARY, NORTH SIDE OF ROSEWOOD LANE.
ELEVATION= 2083.42 (LATH READS "2083.51" USGS) - 3.83 = 2087.25 (NAVD 88)
ALL PLAN INFORMATION IS ON USGS DATUM.

RECORD DRAWING:

FOR STREET/STORM

1- INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2- CONTRACTOR(S): NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3- CONSTRUCTION PERIOD: 2003-2004
4- DRAWING REVISIONS BY: JAM DATE: 06/11/04
5- CHECKED BY: C.M DATE: 6/14/04

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

CALL BEFORE YOU DIG 456-8000

STORHAUG ENGINEERING
CIVIL-ENGINEERING AND PROJECT MANAGEMENT
1322 NORTH MONROE SPOKANE, WA 99201
PHONE 509-242-1000 FAX 509-242-1001

SHEET TITLE: PLAN AND PROFILE VINCENT LN. STA. 21+00 TO CUL-DE-SAC

PROJECT TITLE: STONE ARROW 1st. ADDITION SPOKANE COUNTY, WASHINGTON

SEAL: JEFFREY D. STORHAUG, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 22359, 6/14/04
EXPIRES 1/27/06

DATE	10/16/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03-047
DRAWING NO.	5 OF 7
	STREET

03-047-g-addendum.DWG ST-3

P-1858B Eng As-Built

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION", 2001, 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.
7. ALL EXISTING AREAS DAMAGED BY CONSTRUCTION EQUIPMENT INCLUDING EXCAVATIONS AND EMBANKMENTS SHALL BE HYDROSEEDED PER SEEDING SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY SOIL EROSION UNTIL FINAL ACCEPTANCE OF IMPROVEMENTS BY SPOKANE COUNTY.

ER1) AN EROSION AND 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 RESPONSIBILITIES OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE AND ACCEPTED BY SPOKANE COUNTY, 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 ESC 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 OR 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 PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME AS THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.

CONSTRUCTION SPECIFICATIONS

NTS

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 LB.S 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

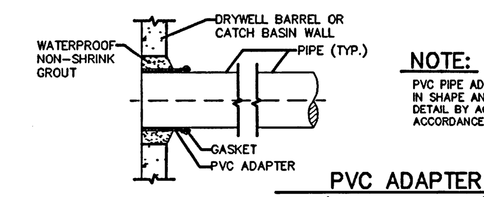
CONTRACTOR SHALL IRRIGATE SEEDED AREAS UNTIL SEED HAS GERMINATED AND HAS BEEN ACCEPTED BY SPOKANE COUNTY.

SEEDING SPECIFICATIONS

NTS

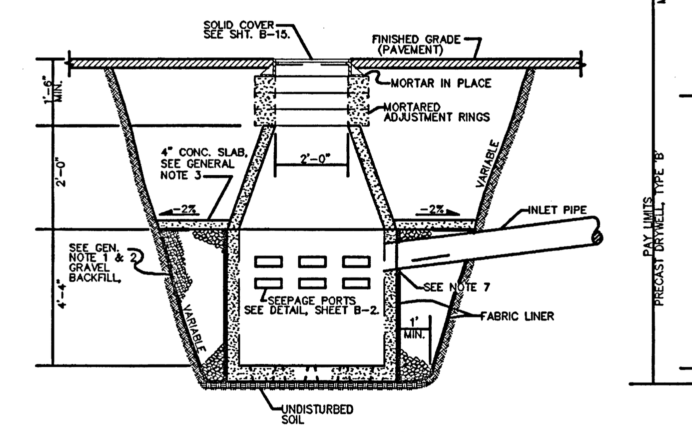
GENERAL NOTES

1. GRAVEL BACKFILL QUANTITY FOR DRYWELLS : TYPE "A" – 30 CUBIC YARDS MINIMUM / 42 TONS. TYPE "B" – 40 CUBIC YARDS MINIMUM / 56 TONS. OR AS SPECIFIED ON ROAD PLANS.
2. SPECIAL BACKFILL MATERIAL FOR DRYWELLS SHALL CONSIST OF WASHED GRAVEL GRADED FROM 1" TO 3" WITH A MAXIMUM OF 5% PASSING THE U.S. No. 200 SCREEN, AS MEASURED BY WEIGHT. A MAXIMUM OF 10% OF THE AGGREGATE, AS MEASURED BY WEIGHT, MAY BE CRUSHED OR FRACTURED ROCK. THE REMAINING 90% SHALL BE NATURALLY OCCURRING UNFRACTURED MATERIAL.
3. CONCRETE SLAB SHALL BE CLASS 3000 CONCRETE.
4. SEE STANDARD PLANS SHEETS B-2 AND B-3 FOR PRECAST CONCRETE DETAILS.
5. ADJUSTMENT BLOCKS SHALL BE CEMENT CONCRETE.
6. PRECAST RISER MAY BE USED IN COMBINATION WITH OR IN LIEU OF ADJUSTING BLOCKS.
7. WHEN PVC PIPE IS USED A PVC ADAPTER SHALL BE INSTALLED.
8. PIPES SHALL BE GROUTED INTO DRYWELLS.

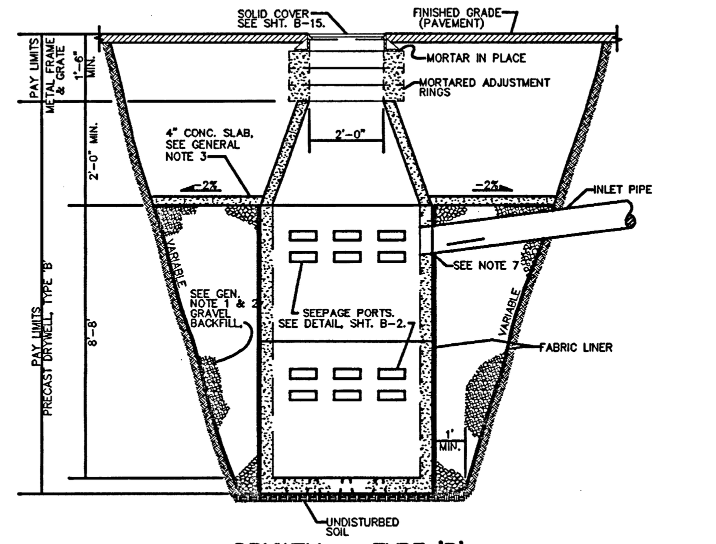


NOTE: PVC PIPE ADAPTERS AND GASKET MAY VARY IN SHAPE AND SIZE AS ILLUSTRATED IN DETAIL BY ACCEPTABLE ALTERNATE IN ACCORDANCE WITH A.S.T.M.-C-428.

PVC ADAPTER (SAND COLLAR)



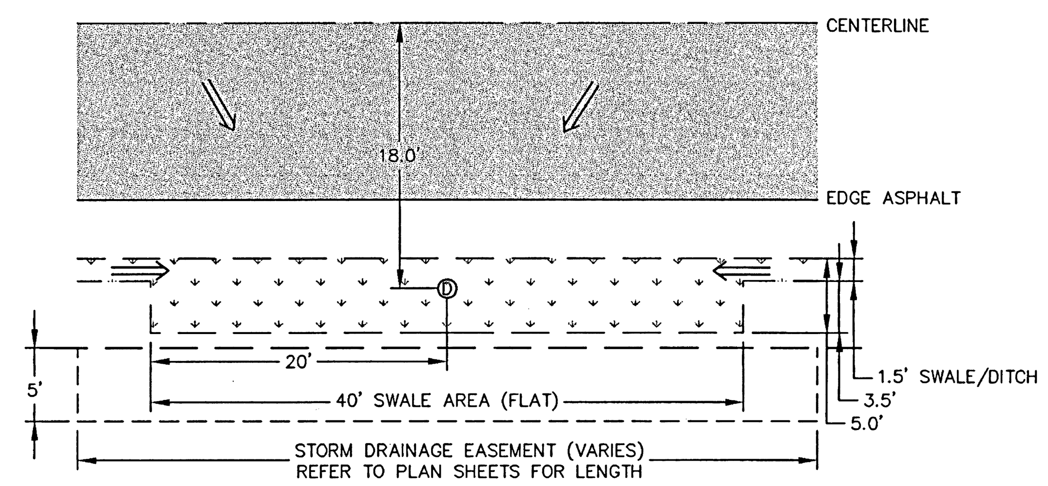
DRYWELL – TYPE 'A'

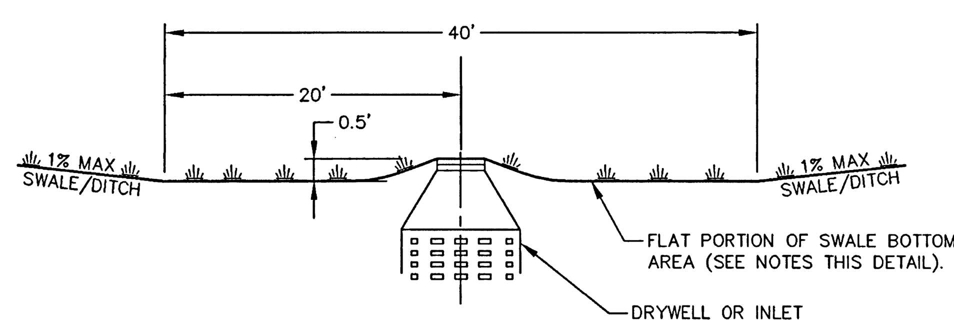


DRYWELL – TYPE 'B'

DRYWELL DETAILS B-1

NTS





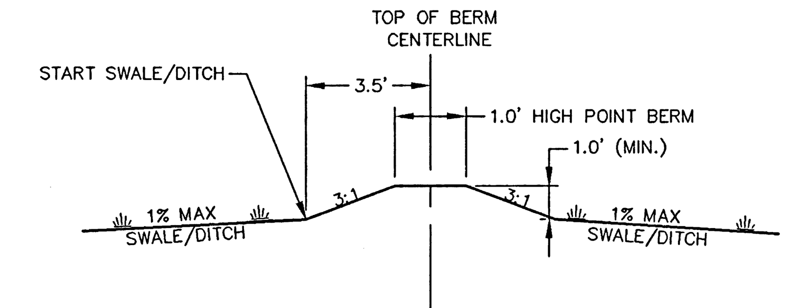
NOTE

1. HYDROSEED SWALE PER SEEDING SPECIFICATIONS.
2. WRAP DRYWELL AND DRAINROCK WITH FILTER FABRIC (AMOCO #4545 OR EQUIVALENT).
3. CONSTRUCT DRYWELL PER SPOKANE COUNTY DETAIL B-1a.
4. SWALE/DITCH SHALL BE MINIMUM 1.0' DEEP. BERM CONSTRUCTION MAY BE REQUIRED TO ENSURE THAT SWALE IS 1.0' DEEP. TOP OF BERM WIDTH SHALL BE 1.0' (MIN.) WIDE.
5. REFER TO TABLE ON SHEETS 3 AND 4 FOR ELEVATION OF FLAT PORTION OF SWALE.

STA. 14+74.93 TO STA. 15+35.39
STA. 19+28.56 TO STA. 19+68.77
STA. 29+63.27 TO STA. 30+00.20

SWALE BOTTOM AREA DETAIL

NTS

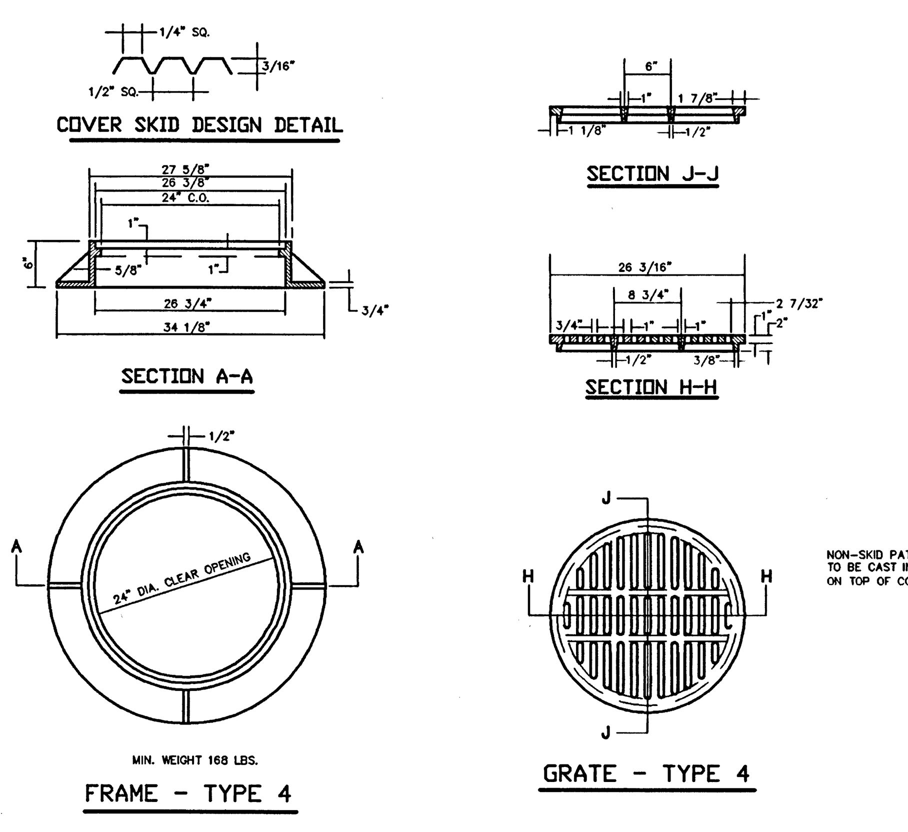


NOTE

1. HYDROSEED SWALE/DITCH PER SEEDING SPECIFICATIONS.
2. SWALE/DITCH SHALL BE MINIMUM 1.0' DEEP. BERM CONSTRUCTION MAY BE REQUIRED TO ENSURE THAT SWALE IS 1.0' DEEP. TOP OF BERM WIDTH SHALL BE 1.0' (MIN.) WIDE.
5. FOR STATIONING OF SWALE/DITCH START POINTS REFER TO TABLE ON SHEETS 3 AND 4.

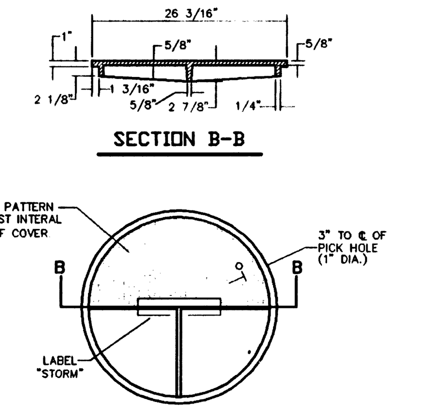
HIGH POINT DETAIL

NTS



GENERAL NOTES

1. FRAME SHALL BE GRAY IRON CONFORMING TO A.S.T.M. A48-90, GRADE 30. THE GRATE SHALL BE DUCTILE IRON CONFORMING TO A.S.T.M. A536-84, CLASS 80-55-06.
2. METAL FRAME AND GRATE TYPE 4 SHALL ONLY BE USED WHERE SHOWN ON THE CONSTRUCTION PLANS. IT SHALL NOT BE USED AT A CURB LINE.
3. DRAINAGE SLOTS SHALL BE PLACED PARALLEL TO THE DIRECTION OF FLOW.
5. FIT TOLERANCE SHALL BE 1/8"±.
6. WELDING IS NOT PERMITTED.



TYPE 4 METAL FRAME, GRATE AND SOLID COVER

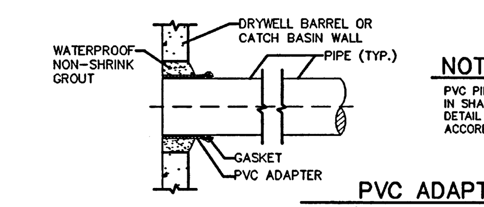
NTS

03047-gDWG DETAIL

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1858B
DATE ACCEPTED: 6/18/04

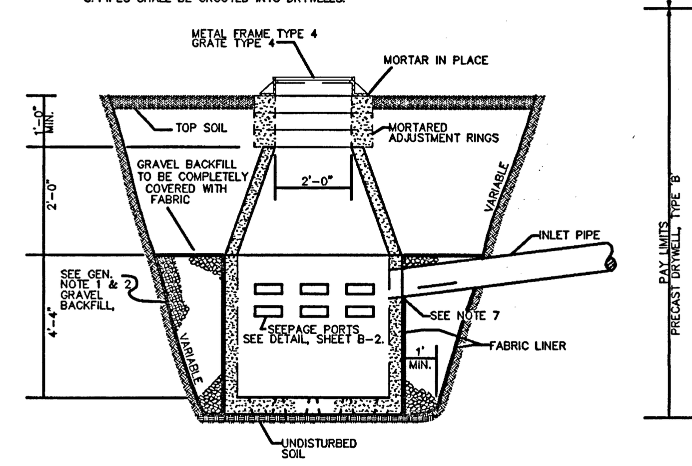
GENERAL NOTES

1. GRAVEL BACKFILL QUANTITY FOR DRYWELLS : TYPE "A" – 30 CUBIC YARDS MINIMUM / 42 TONS. TYPE "B" – 40 CUBIC YARDS MINIMUM / 56 TONS. OR AS SPECIFIED ON ROAD PLANS.
2. SPECIAL BACKFILL MATERIAL FOR DRYWELLS SHALL CONSIST OF WASHED GRAVEL GRADED FROM 1" TO 3" WITH A MAXIMUM OF 5% PASSING THE U.S. No. 200 SCREEN, AS MEASURED BY WEIGHT. A MAXIMUM OF 10% OF THE AGGREGATE, AS MEASURED BY WEIGHT, MAY BE CRUSHED OR FRACTURED ROCK. THE REMAINING 90% SHALL BE NATURALLY OCCURRING UNFRACTURED MATERIAL.
3. FABRIC SHALL BE MODERATE SURVIVABILITY AS OUTLINED IN STANDARD SPECIFICATIONS 9-33
4. SEE STANDARD PLANS SHEETS B-2 AND B-3 FOR PRECAST CONCRETE DETAILS.
5. ADJUSTMENT BLOCKS SHALL BE CEMENT CONCRETE.
6. PRECAST RISER MAY BE USED IN COMBINATION WITH OR IN LIEU OF ADJUSTING BLOCKS.
7. WHEN PVC PIPE IS USED A PVC ADAPTER SHALL BE INSTALLED.
8. PIPES SHALL BE GROUTED INTO DRYWELLS.

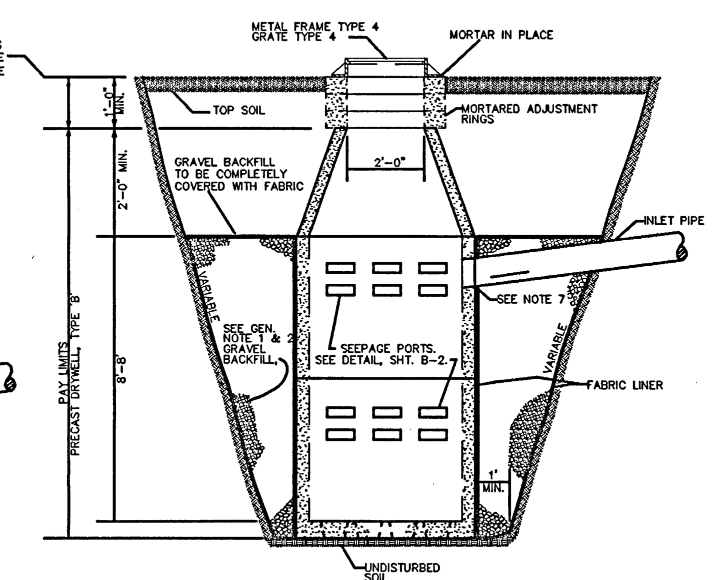


NOTE: PVC PIPE ADAPTERS AND GASKET MAY VARY IN SHAPE AND SIZE AS ILLUSTRATED IN DETAIL BY ACCEPTABLE ALTERNATE IN ACCORDANCE WITH A.S.T.M.-C-428.

PVC ADAPTER (SAND COLLAR)



DRYWELL – TYPE 'A' SWALE



DRYWELL – TYPE 'B' SWALE

DRYWELL DETAILS B-1a

NTS

RECORD DRAWING:
FOR STREET/STORM

1– INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2– CONTRACTOR: NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3– CONSTRUCTION PERIOD: 2003-2004
4– DRAWING REVISIONS BY: JAM DATE: 06/11/04
5– CHECKED BY: CM DATE: 6/14/04

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CALL BEFORE YOU DIG 456-8000

No.	DATE	BY
4		
3	RECORD DRAWINGS 06/11/04	JAM
2		
1		

STORHAUG ENGINEERING
CIVIL ENGINEERING AND PROJECT MANAGEMENT
1322 NORTH MONROE SPOKANE, WA 99201
PHONE 509-242-1000 FAX 509-242-1001

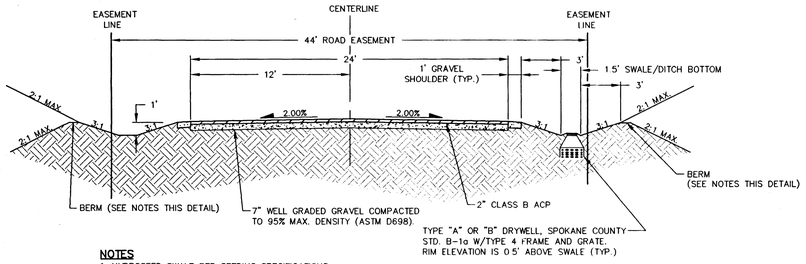
SHEET TITLE: DETAIL SHEET

PROJECT TITLE: STONE ARROW 1st. ADDITION SPOKANE COUNTY, WASHINGTON

SEAL: JERRY D. STORHAUG STATE OF WASHINGTON 25559 REGISTERED PROFESSIONAL ENGINEER 6/18/04 EXPIRES 1/22/06

DATE	09/02/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03-047
DRAWING NO.	6 OF 7
	DETAIL

P-1858 B Eng As-Builts

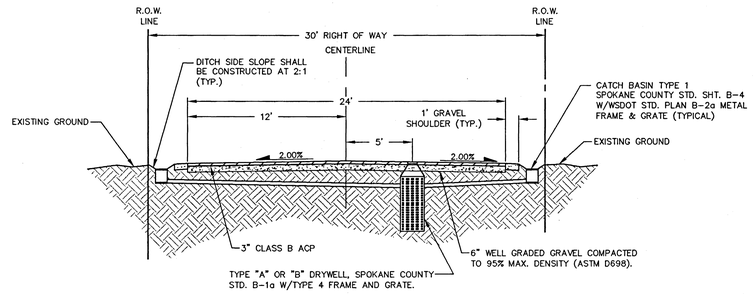


NOTES

1. HYDROSEED SWALE PER SEEDING SPECIFICATIONS.
2. WRAP DRYWELL AND DRAINROCK WITH FILTER FABRIC (AMOCO #4545 OR EQUIVALENT)
3. CONSTRUCT DRYWELL PER SPOKANE COUNTY DETAIL B-1a. REFER TO SITE PLAN FOR LOCATION OF DRYWELLS AND OR INLETS.
4. SWALE/DITCH SHALL BE MINIMUM 1.0' DEEP. BERM CONSTRUCTION MAY BE REQUIRED TO ENSURE THAT SWALE IS 1.0' DEEP. TOP OF BERM WIDTH SHALL BE 1.0' (MIN.) WIDE.
5. REFER TO SWALE BOTTOM AREA DETAIL FOR ADDITIONAL INFORMATION.
6. REFER TO HIGH POINT DETAIL FOR ADDITIONAL INFORMATION.
7. ROAD CROSS SECTION WIDTHS DO NOT APPLY TO CUL-DE-SACS AT END OF VINCENT ROAD AND VINCENT LANE. ASPHALT AND GRAVEL SPECIFICATIONS APPLY TO ENTIRE LENGTH OF VINCENT LANE ONLY, INCLUDING CUL-DE-SAC AT END OF VINCENT LANE.

VINCENT LANE SECTION STA. 13+74.35 TO 29+50

NTS

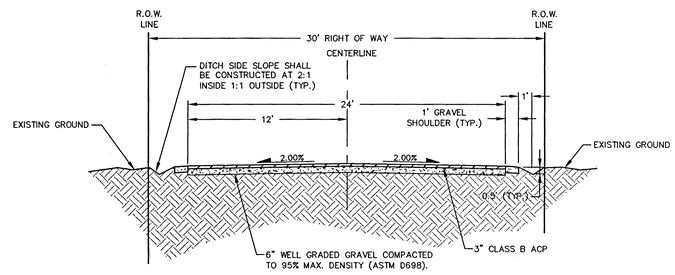


NOTES

1. HYDROSEED SWALE PER SEEDING SPECIFICATIONS.
2. WRAP DRYWELL AND DRAINROCK WITH FILTER FABRIC (AMOCO #4545 OR EQUIVALENT)
3. CONSTRUCT DRYWELL PER SPOKANE COUNTY DETAIL B-19 AND B-1a OR B-1.
4. SWALE/DITCH SHALL BE MINIMUM 0.5' DEEP.
5. CONTRACTOR SHALL COORDINATE WITH ADJOINING PROPERTY OWNERS FOR ANY REQUIRED GRADING EASEMENTS, RELOCATION OR REMOVAL OF FENCES, SHRUBS, TREES, SIGNS OR OTHER ITEMS THAT MAY ENCROACH IN THE RIGHT OF WAY OR LIE WITHIN THE CONSTRUCTION AREA.

VINCENT ROAD SECTION STA. 7+75.22

NTS

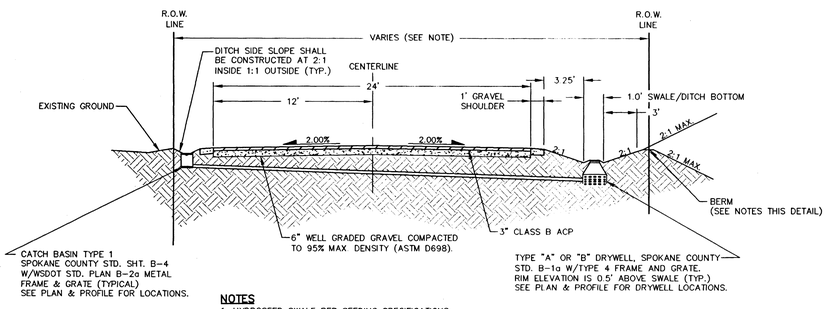


NOTES

1. HYDROSEED SWALE PER SEEDING SPECIFICATIONS.
2. SWALE/DITCH SHALL BE 0.5' DEEP.
3. CONTRACTOR SHALL COORDINATE WITH ADJOINING PROPERTY OWNERS FOR ANY REQUIRED GRADING EASEMENTS, RELOCATION OR REMOVAL OF FENCES, SHRUBS, TREES, SIGNS OR OTHER ITEMS THAT MAY ENCROACH IN THE RIGHT OF WAY OR LIE WITHIN THE CONSTRUCTION AREA.
4. DITCH CONSTRUCTION DOES NOT APPLY ON THE RIGHT OF VINCENT ROAD BETWEEN STA. 2+36 AND 6+03 SEE PLAN SHEET FOR 208 SWALE DIMENSIONS.
5. CROSS SECTION WIDTHS DO NOT APPLY TO CUL-DE-SAC AT END OF VINCENT ROAD (START OF VINCENT LANE). ASPHALT AND GRAVEL SPECIFICATIONS APPLY TO ENTIRE LENGTH OF VINCENT ROAD INCLUDING CUL-DE-SAC.

VINCENT ROAD SECTION STA. 6+03.17 TO 13+74.35

NTS



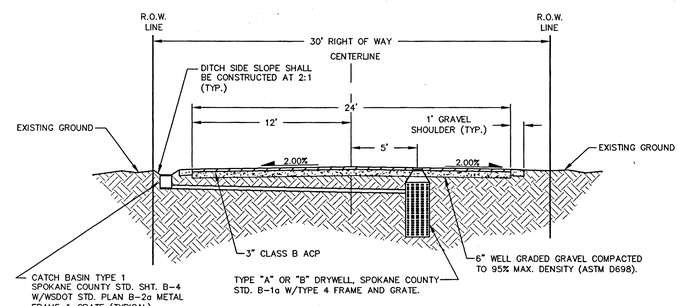
NOTES

1. HYDROSEED SWALE PER SEEDING SPECIFICATIONS.
2. WRAP DRYWELL AND DRAINROCK WITH FILTER FABRIC (AMOCO #4545 OR EQUIVALENT)
3. CONSTRUCT DRYWELL PER SPOKANE COUNTY DETAIL B-1a.
4. SWALE/DITCH SHALL BE MINIMUM 1.0' DEEP. BERM CONSTRUCTION MAY BE REQUIRED TO ENSURE THAT SWALE IS 1.0' DEEP. TOP OF BERM WIDTH SHALL BE 1.0' (MIN.) WIDE.
5. REFER TO SWALE BOTTOM AREA DETAIL FOR ADDITIONAL INFORMATION.
6. STATION 2+35.94 TO 2+50.18 RIGHT OF WAY WIDTH IS 55' (30' LEFT, 25' RIGHT) STATION 2+50.18 TO 6+03.17 RIGHT OF WAY WIDTH IS 40' (15' LEFT, 25' RIGHT).

VINCENT ROAD SECTION STA. 2+35.94 TO 5+98.51

NTS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1858 B
DATE ACCEPTED: 6/18/04



NOTES

1. HYDROSEED SWALE PER SEEDING SPECIFICATIONS.
2. WRAP DRYWELL AND DRAINROCK WITH FILTER FABRIC (AMOCO #4545 OR EQUIVALENT)
3. CONSTRUCT DRYWELL PER SPOKANE COUNTY DETAIL B-19 AND B-1a OR B-1.
4. SWALE/DITCH SHALL BE MINIMUM 0.5' DEEP.
5. CONTRACTOR SHALL COORDINATE WITH ADJOINING PROPERTY OWNERS FOR ANY REQUIRED GRADING EASEMENTS, RELOCATION OR REMOVAL OF FENCES, SHRUBS, TREES, SIGNS OR OTHER ITEMS THAT MAY ENCROACH IN THE RIGHT OF WAY OR LIE WITHIN THE CONSTRUCTION AREA.

VINCENT ROAD SECTION STA. 10+55.00

NTS

RECORD DRAWING:
FOR STREET/STORM

1- INFORMATION OBTAINED FROM: RFK LAND SURVEYING
2- CONTRACTOR: NORTHSIDE EXCAVATION & PAULETTO EXCAVATION
3- CONSTRUCTION PERIOD: 2003-2004
4- DRAWING REVISIONS BY: JAM DATE: 06/11/04
5- CHECKED BY: C.M DATE: 6/14/04

This document only represents an illustration of improvements recorded in place and is not an exact representation of location or placement. Only data shown in balloon ( ) represents information obtained from post construction survey. "I have reviewed the construction and to my knowledge find it to be in substantial conformance with the approved certified plans and Standards Specifications except as noted."

No.	DATE	BY
4		
3	RECORD DRAWINGS 06/11/04	JAM
2		
1		

STORHAUG ENGINEERING
CIVIL ENGINEERING AND PROJECT MANAGEMENT
1322 NORTH MONROE SPOKANE, WA 99201
PHONE 509-242-1000 FAX 509-242-1001

SHEET TITLE: DETAIL SHEET

PROJECT TITLE: STONE ARROW 1st. ADDITION SPOKANE COUNTY, WASHINGTON

SEAL: JEFF N. STORHAUG, STATE OF WASHINGTON, 25559, REGISTERED PROFESSIONAL ENGINEER, EXPIRES 11/30/06

DATE	09/10/03
DRAWN	JAM
CHECKED	CH
SCALE	AS SHOWN
PROJECT NUMBER	03-047
DRAWING NO.	7 OF 7

DETAIL

CALL BEFORE YOU DIG 456-8000

03047-gDWG DETAIL

P-1858B Eng As-Builts