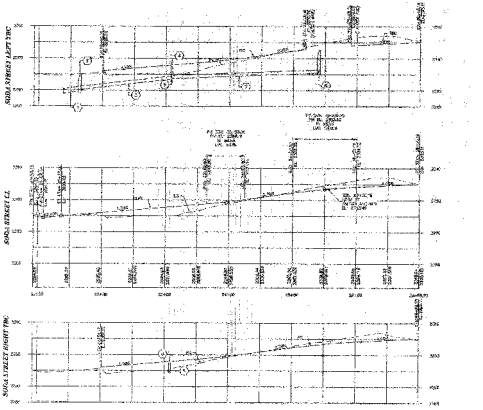
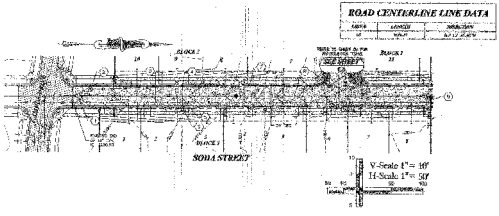


ROAD CENTERLINE LINE DATA

STATION	LONGITUDE	LATITUDE
10	47°00'00"	117°12'45.0"



KEYED NOTES

1. BEGIN NEW ASPHALT PAVEMENT
2. INSTALL SIDEWALK TYPE 2 (SEE DETAIL 40 AND DETAIL 41 ON SHEET 3)
   a. SIDEWALK
   b. CURB
   c. SIDEWALK
   d. CURB RAMPS
3. INT PVC (SEE DETAIL 3A)
4. CURB, GUTTER, SIDEWALK TYPE 1 (SEE DETAIL 40 AND DETAIL 41 ON SHEET 3)
   a. CURB
   b. GUTTER
   c. SIDEWALK
   d. CURB RAMPS
5. INT PVC (SEE DETAIL 3A)
6. CURB, GUTTER, SIDEWALK TYPE 1 (SEE DETAIL 40 AND DETAIL 41 ON SHEET 3)
   a. CURB
   b. GUTTER
   c. SIDEWALK
   d. CURB RAMPS
7. INT PVC (SEE DETAIL 3A)
8. MOUNTABLE CURB (SEE DETAIL 40 ON SHEET 3)
   a. CURB
   b. GUTTER
   c. SIDEWALK
   d. CURB RAMPS
9. ORIGINAL PAVEMENT TYPICAL IN TEMPORARY PAVEMENTS

GENERAL NOTES

1. SEE INFORMATIONAL WATERMARKED DRAWING FOR DETAIL SHEETS.
2. ALL CURB, GUTTER, SIDEWALK, AND DRIVEWAYS WITHIN 2 FT OF PROPERTY LINE SHALL BE REMOVED AND REPLACED AS SHOWN.
3. ALL UTILITY POLE SPACES SHALL BE RESTORED TO THEIR ORIGINAL LOCATIONS AS DETERMINED BY THE UTILITY OWNER.
4. CONTROL CONCRETE JOINTS, EXPANSION JOINTS, AND SCORING SHALL BE PER THE APPROVED PLAN AND SPECIFICATIONS.
5. ALL CURB, GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN AND SPECIFICATIONS.
6. ALL CURB, GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE CONSTRUCTED UNDER A CITY PERMIT.
7. ALL CURB, GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN AND SPECIFICATIONS. THE CONTRACTOR SHALL ADJUST THE CURB TO THE APPROVED GRADE WITHIN ACCEPTABLE TOLERANCES.
8. ALL CURB, GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN AND SPECIFICATIONS. THE CONTRACTOR SHALL ADJUST THE CURB TO THE APPROVED GRADE WITHIN ACCEPTABLE TOLERANCES.
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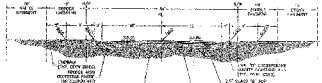
11. ALL CURB, GUTTER, SIDEWALK, AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN AND SPECIFICATIONS. THE CONTRACTOR SHALL ADJUST THE CURB TO THE APPROVED GRADE WITHIN ACCEPTABLE TOLERANCES.



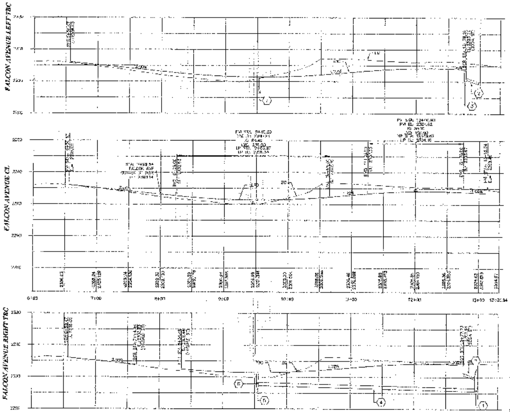
CONSTRUCTION PLANS

PILLAR ROCK ESTATES
ROAD IMPROVEMENT PLANS
SPOKANE COUNTY, W.A.

PLAT AND PROFILE

C3

LP1994-SPP-9

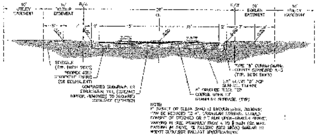


KEYED NOTES

1. WSDOT CATCH BASIN, TYPE 2 [illegible] W/ [illegible] LID; STA: [illegible]; RIM: 2302.7[illegible]; IE (S): [illegible]; IE (W): 2294.30; IE (N): [illegible]
2. [illegible]
3. CATCH BASIN, TYPE 1 WITH TYPE [illegible] FRAME/GRATE; STA: [illegible]; GRATE: [illegible]; IE (S): [illegible]
4. 12" CPE, L=[illegible], S=0.0[illegible]%
5. CATCH BASIN TYPE 1 WITH TYPE 2 METAL FRAME AND TYPE 2 GRATE; STA: [illegible]; GRATE: 2300.64; IE (N): 2297.[illegible]; IE (S): 2297.25
6. 12" CPE, L=[illegible], S=[illegible]%
7. CATCH BASIN TYPE 1 WITH TYPE 2 METAL FRAME AND TYPE 2 GRATE; STA: [illegible]; GRATE: 2300.94; IE (S): 2297.[illegible]
8. [illegible] TEMPORARY BARRICADE

GENERAL NOTES

1. [illegible] CONSTRUCTION SPECIFICATIONS SHOWN ON DETAIL SHEET.
2. ALL CURB [illegible] SHALL BE CONSTRUCTED WITH A [illegible] RADIUS AT EDGE OF TRAVELED WAY UNLESS OTHERWISE SHOWN.
3. ALL CURB AND OFFSET DATA IS REFERENCED TO [illegible] OF CURB, UNLESS OTHERWISE NOTED.
4. EXISTING UTILITY [illegible] LOCATIONS [illegible] FROM RECORD UTILITY DRAWINGS AND FOUND SURFACE FEATURES. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS.
5. EXISTING UTILITIES CONFLICTING WITH PROPOSED IMPROVEMENTS SHALL BE RELOCATED AS NEEDED PRIOR TO CONSTRUCTION. COORDINATE WITH THE APPLICABLE UTILITY COMPANY.
6. [illegible] OF COVER SHALL BE MAINTAINED [illegible] DRAIN PIPES.
7. [illegible] SHALL BE CONSTRUCTED AT LOWER [illegible] FROM LINE OF THE CURB PER SPOKANE COUNTY STANDARD [illegible]. ASPHALT AND CURB TO HAVE SMOOTH TAPER [illegible]
8. WSDOT TYPE 2 INLETS SHALL BE [illegible] THE LONGER SIDE OF THE STRUCTURE IS PERPENDICULAR TO THE CURB. THE SHORTER SIDE SHALL [illegible] THE [illegible] OF THE CURB.
9. CONTRACTOR SHALL [illegible] ELEVATIONS AT ALL [illegible] PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE IMPROVEMENTS.

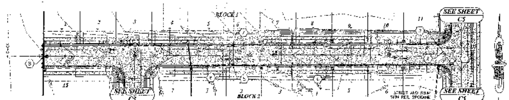


FALCON AVE CROSS SECTION

N.T.S.

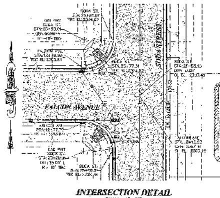
ROAD CENTERLINE LINE DATA

LINE #	LENGTH	DIRECTION
9	[illegible]	[illegible]



FALCON AVENUE

V-Scale 1" = 10'
H-Scale 1" = 50'



INTERSECTION DETAIL

SCALE: 1"=20'

SPOKANE COUNTY ENGINEERS OFFICE OFFICIAL PUBLIC DOCUMENT ORIGINAL CONSTRUCTION PLANS
DATE ACCEPTED: 11-13-1[illegible]

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

PILLAR ROCK ESTATES ROAD IMPROVEMENT PLANS

SPOKANE COUNTY, WA

PLAN AND PROFILE

C6

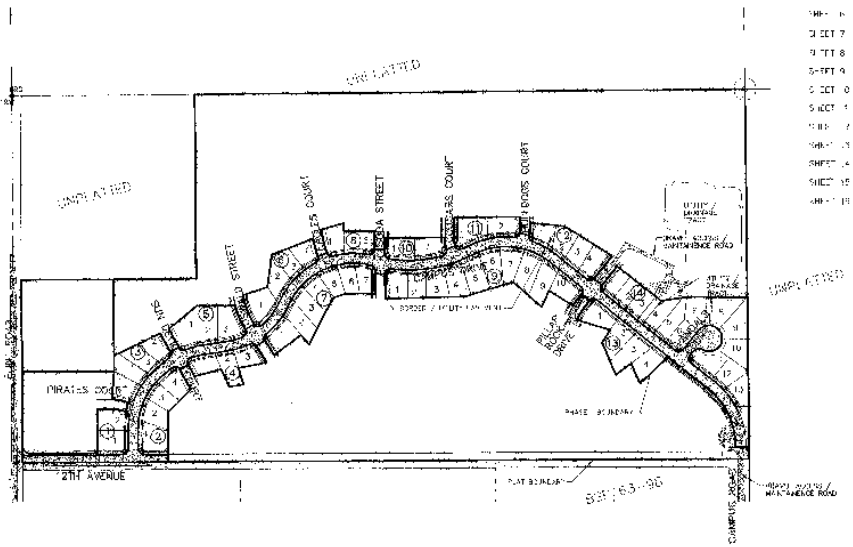
P-1959C ENG Road & Drainage

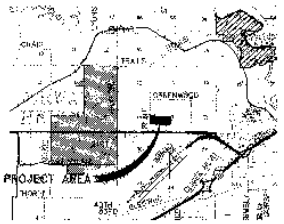
LP1959C-PP-9

ROAD AND DRAINAGE IMPROVEMENTS

PILLAR ROCK ESTATES

IN THE NORTH 1/2 OF THE SOUTHWEST 1/4,
SECTION 20, TOWNSHIP 25 NORTH, RANGE 42 EAST, W.M.
SPOKANE COUNTY, WASHINGTON





VICINITY MAP

SHEET INDEX

SHEET 1	COVER AND INDEX SHEET ROAD AND DRAINAGE IMPROVEMENTS
SHEET 2	EROSION / SEDIMENT CONTROL PLAN
SHEET 3	CAMPUS DRIVE – PLAN AND PROFILE (STA. 10+00 TO 20+50)
SHEET 4	CAMPUS DRIVE – PLAN AND PROFILE (STA. 20+50 TO 29+00)
SHEET 5	CAMPUS DRIVE – PLAN AND PROFILE (STA. 29+00 TO 37+50)
SHEET 6	CAMPUS DRIVE – PLAN AND PROFILE (STA. 37+50 TO 47+70)
SHEET 7	27TH AVENUE – PLAN AND PROFILE (STA. 0+00 TO 1+58.83)
SHEET 8	WANDALS COURT – PLAN AND PROFILE (STA. 10+00 TO 17+43.35)
SHEET 9	DETAILS
SHEET 10	DETENTION POND DETAILS
SHEET 11	STORM DRAIN PLAN AND PROFILES
SHEET 12	CAMPUS ROAD DETAILS
SHEET 13	PILLAR ROCK DRIVE AND BULLDOG COURT PLAN AND PROFILE
SHEET 14	COUGARS COURT AND SOFIA STREET PLAN AND PROFILE
SHEET 15	WALLS TYPICAL AND CONCRETE DETAILS PLAN AND PROFILE
SHEET 16	SUN DEVIL COURT AND PIRATES COURT PLAN AND PROFILE

CERTIFICATION

THE DESIGN IMPROVEMENTS SHOWN ON THIS SET OF PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE STATE OF WASHINGTON AND SPOKANE COUNTY STANDARDS FOR ROAD AND DRAINAGE CONSTRUCTION AND THE INTERNATIONAL FIRE CODE. TO THE BEST OF MY KNOWLEDGE, THE PLANS ARE CORRECT.

LEAD ENGINEER — DATE

LEGEND

EXISTING FEATURES

- SANITARY SEWER
- CURB
- SIDEWALK
- FOUND POINT AS NOTED
- BOLLARD
- GUY ANCHOR
- POWER POLE
- FIRE HYDRANT
- WATER VALVE
- SIGNS NOTED
- FIRE HYDRANT
- WELL
- CONCRETE WALK AROUND
- ASPHALT
- CONCRETE WALK
- STORM DRAIN PIPE / FLOW LINE
- STREET LIGHT (SEE SITE PLAN)
- TELEPHONE LINE (OHT OR UGT)
- GAS LINE
- CONTOURS
- FIELD GRAIN / CROP
- DITCH / SWALE
- TREE – CONIFER

PROPOSED IMPROVEMENTS

- ASPHALT SURFACING – SEE DESIGN CROSS SECTIONS
- CURB – SEE DETAIL
- CURB & GUTTER – SEE DETAIL
- CATCH BASIN – SEE DETAIL
- CONCRETE SIDEWALK
- CONCRETE WALK
- CONCRETE WALK AROUND
- STORM DRAIN PIPE / FLOW LINE
- STREET LIGHT
- TELEPHONE
- GAS LINE
- 1024 GAS LINE
- STORM WATER SCALE / DATUM
- SANITARY SEWER SCALE / DATUM
- SPOT ELEVATION
- TREE – CONIFER

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT NO. V-1959
DATE ACCEPTED: 7/24/08
ACCEPTANCE EXPIRES: 7/24/10
PROJECT LEAD: MILES PUBLIC DOCS
PROVIDE DRAWINGS, ABSTRACTS AND RECORDER FEES
PERMIT REQUIRED: (509) 477 3600
NOTIFY PERMIT ENGINEER 24 HOURS AFTER PRIOR TO CONSTRUCTION

GRAPHIC SCALE

(IN FEET)
1 inch = 200 ft.

CALL BEFORE YOU DIG 456-8000

NO.	DESC. / DATE BY

STORHAUG ENGINEERING
LAND SURVEYING · LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING · LAND USE PLANNING
510 E. 6th 1ST THIRD AVE · SPOKANE, WA 99202
PHONE 509-242-1000 · FAX 509-242-1001

COVER AND INDEX SHEET
ROAD AND DRAINAGE IMPROVEMENTS
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

SCALE: 1" = 200'
DATE: 06/19/08
DRAWN: DMF
CHECKED: D.
PROJECT NUMBER: 05-038
DRAWING NO. 1 OF 16
COVER

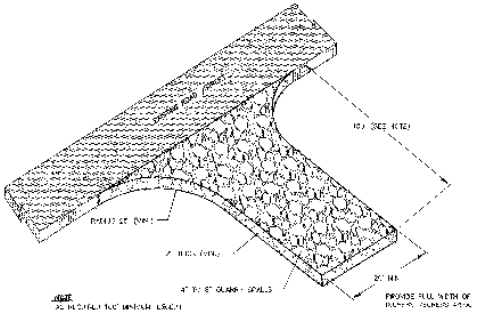
P-1959 Engineer Drawing

DEFINITION: A STABILIZED CONSTRUCTION ENTRANCE IS A PAD OF COARSE ROCK OVER FILTER FABRIC LOCATED AT ACCESS POINTS TO A CONSTRUCTION SITE.

PURPOSE: TO REDUCE THE AMOUNT OF MUD AND DIRT TRANSPORTED ONTO PUBLIC ROADWAYS BY VEHICLES OR PROVIDE AN ALTERNATE ROUTE FOR VEHICLES TO ENTER AND LEAVE THE SITE WHEN THE ROADWAY IS TOO MUDDY TO DRIVE ON.

CONDITIONS WHERE PRACTICE APPLIES: ALL PERSONS ENTERING AND LEAVING A CONSTRUCTION SITE ON UNPAVED ROADS.

MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF MUD ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANING OF ANY ROADWAYS FILLED WITH MUD. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ON ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED.



NOTE:
AS NECESSARY TO MAINTAIN GRADES WHERE ENTRANCE IS ADJACENT TO A PUBLIC ROAD, THE ENTRANCE SHALL BE PROVIDED WITH A MINIMUM OF 50 FEET OF PAVEMENT.

STABILIZED CONSTRUCTION ENTRANCE / TIRE WASH (SE)

DEFINITION: A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND, WHEN NECESSARY, REINFORCED WITH STEEL WIRE FENCING. IT IS DESIGNED TO SLOW DOWN RUNOFF SUFFICIENTLY TO CAUSE THE DROP TO DROP THE SEDIMENT IT IS CARRYING.

PURPOSE: TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT UNDER SHEET FLOW CONDITIONS. THIS FILTER FENCE IS NOT INTENDED TO CONTROL SEDIMENT FROM CONCENTRATED FLOW CHANNELS OR DITCHES.

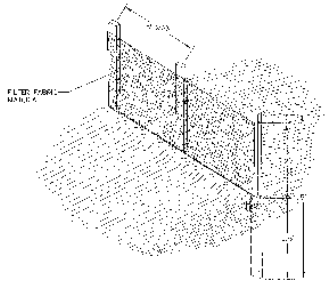
2. TO DIVERT THE SEDIMENT TO SETTLING BASINS.

CONDITIONS WHERE PRACTICE APPLIES: FILTER FENCE MAY BE INCORPORATED INTO A DESIGN AT THE TOES OF EARTH FILLS OR ALONG THE LOWER SIDE OF DISTURBED AREAS WHERE SHEET FLOW BEGINS TO CONCENTRATE. IT IS NOT INTENDED TO CONTROL:

1. DEPTH OF FLOW GREATER THAN 1.5 FEET. FILTER FENCE SHOULD BE USED ONLY WHERE THE DRAINAGE AREA IS LESS THAN 1/4 ACRE PER 100 FEET OF FENCE.

2. CONCENTRATED FLOW WHERE SCOUR OR OVERTOPPING WOULD OCCUR.

3. CONSTRUCTION SHALL COORDINATE WITH DESIGN ENGINEER FOR ACTUAL PLACEMENT.



FILTER FENCE (F)

STANDARD NOTES: 1. THE FILTER FABRIC FENCE SHALL BE BUILT AS SHOWN ON THE DRAWINGS. ALL FILTER FABRIC SHALL BE PLACED ALONG THE CONTOUR WHERE POINTS ARE NECESSARY, OVERLAP THE FABRIC TO FORM ONE CONTINUOUS FILTER.

3. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 16 INCHES. POSTS SHALL EXTEND 20 INCHES ABOVE THE GROUND.

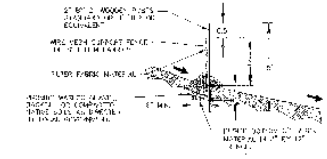
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPHILL FROM THE FENCE. THE TRENCH SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.

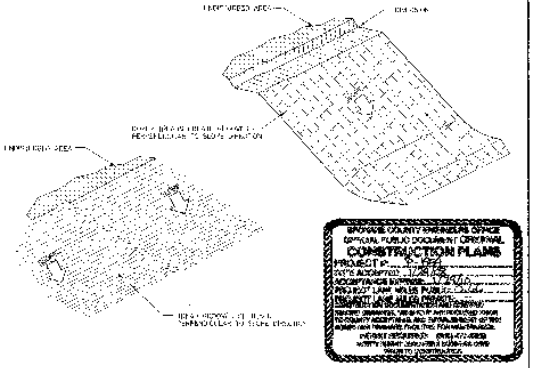
5. WHEN THE FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. THE WIRE MESH SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 20 INCHES ABOVE THE GROUND. WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE POSTS.

6. THE FILTER FABRIC SHALL BE FASTENED TO THE WIRE MESH AND THE LOWER 12 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 20 INCHES ABOVE THE GROUND. WHEN CONNECTING NEW FABRIC TO EXISTING FABRIC, OVERLAP THE EXISTING FABRIC A MINIMUM OF 6 INCHES.

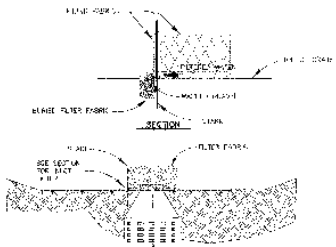
7. WHEN EXTRA STRENGTH OR REINFORCEMENT FABRIC IS USED, POST SPACING SHALL BE 8 FEET MAXIMUM. STANDARD FABRIC SHALL BE USED WHEN THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS. THE ALL OTHER PROVISIONS OF STANDARD NOTE 6 APPLY. EXTRA STRENGTH FABRIC SHOULD BE USED WITH WIRE MESH SUPPORT FENCE.

8. REMOVE SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE. SEDIMENT REMOVED SHALL BE DISPOSED OF IN AN APPROVED MANNER.

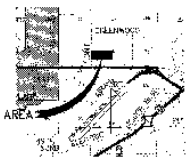




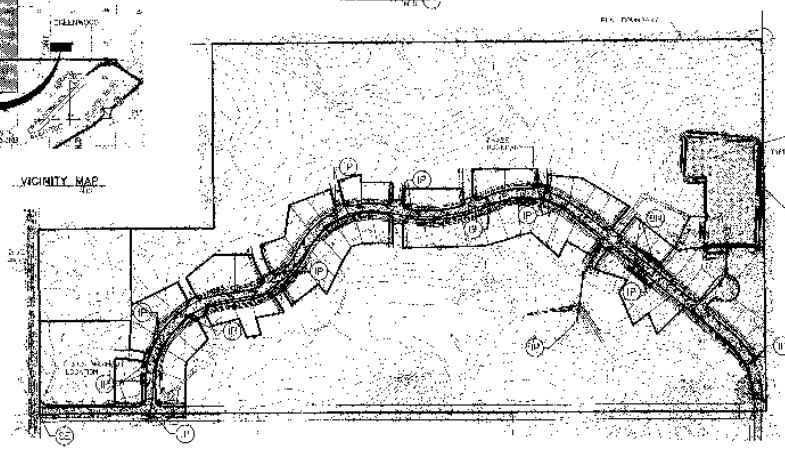
SURFACE ROUGHENING (SR)



TEMPORARY INLET PROTECTION (IP)



VICINITY MAP



GRAPHIC SCALE

1 IN FEET
1 INCH = 100 FT.

CONTACT PERSON / PROPERTY OWNER
PERMIT APPLICANT

[illegible]
[illegible]
SUITE A165
MONROE, WASHINGTON 98272

PROJECT / SITE DESCRIPTION

THE PROPOSED PROJECT INCLUDES THE DEVELOPMENT OF PRIVATE ROADWAYS TO SERVE SINGLE FAMILY HOMES. CURRENT SITE CONDITIONS ARE CULTURAL AND FORESTED LAND. OVERALL SLOPES TO THE EAST. SLOPES RANGE FROM HORIZONTAL PLAIN TO VERY STEEP ROCK OUTCROPS.

SOIL TYPE

THE SOILS IN THE REGION OF THE SUBJECT PROPERTY HAVE BEEN IDENTIFIED AS [illegible]. THE SOILS ONSITE ARE CONSIDERED TYPE "D" SOILS.

ESC MEASURES

FILTER FENCE SHALL BE USED TO ENCIRCLE CONTAINING ANY SEDIMENT CONTAINING CONSTRUCTION SITE. A WRITTEN CONSTRUCTION ENTRANCE SHALL BE PLACED AT POINTS OF INGRESS AND EGRESS FOR CONSTRUCTION VEHICLES. INDIVIDUAL INLET PROTECTION SHALL BE USED AT ALL INLETS TO PREVENT SILTATION.

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

THE HOMES WILL BE SEPARATELY PERMITTED. PLEASE REFER TO GRADING PLANS AS LISTED IN SECTION 4.5 OF THE GUIDELINES FOR STORMWATER MANAGEMENT. THE ESC PLAN INCLUDED IN THIS SUBMITTAL IS THE CONTRACTOR'S TO DO. THE CONSTRUCTION STAGE IS RESPONSIBLE TO DO AND ALL SPOKANE COUNTY REQUIREMENTS FOR ESC DURING CONSTRUCTION.

[illegible]
PROJECT ENGINEER — DATE

NOTE: REFER TO LEGEND AND NOTES ON THIS SHEET FOR SYMBOLS.

[illegible]
PROJECT MANAGER

BENCHMARK

[illegible]

CONSTRUCTION SPECIFICATIONS

CALL BEFORE YOU DIG 456-8000

NO.	DESC. / DATE	BY
1		
2		
3		

STORHAUG ENGINEERING
LAND SURVEYING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND USE PLANNING
SITE DEVELOPMENT
[illegible] THIRD AVE. SPOKANE, WA 98202
PHONE 509-242-7100 FAX 509-242-7101

EROSION / SEDIMENT CONTROL PLAN

PROJECT TITLE: PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

SEAL

DATE: 03/25/08
DRAWN: [illegible]
CHECKED: GH
PROJECT NUMBER: 05-008
DRAWING NO.: 2 of 18
EROSION

P-1959 Erosion Drainage

CAMPUS DRIVE

LEFT CURB PROFILE

CENTER LINE PROFILE

RIGHT CURB PROFILE

CAMPUS DRIVE

CAMPUS DRIVE

CAMPUS DRIVE

GRAPHIC SCALE

NOTES

NOTES

BENCHMARK

CURVE TABLE

INTERSECTION DETAILS

CONSTRUCTION PLANS

STORHAUG ENGINEERING

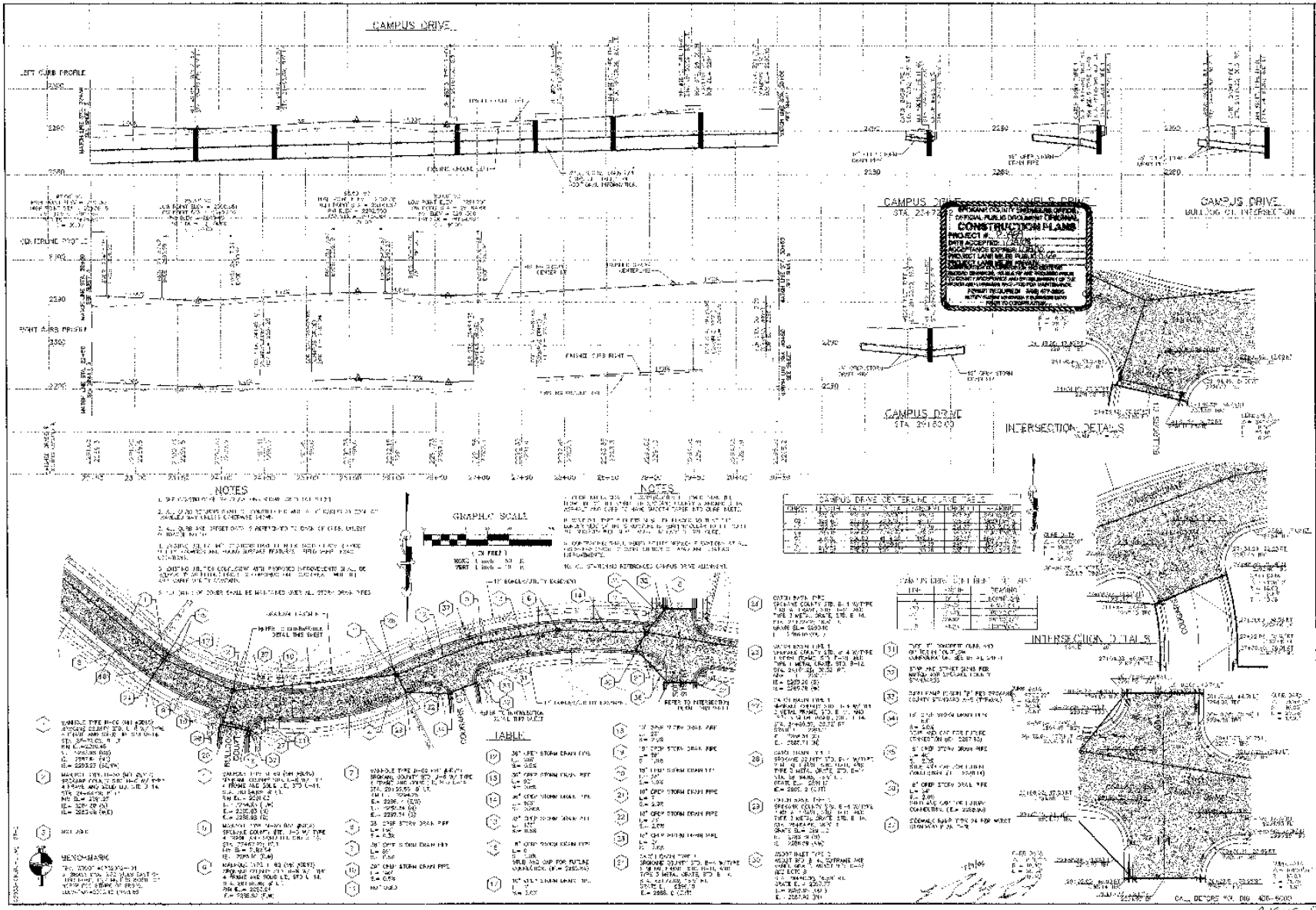
LAND SURVEYING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1080 FAX 509-242-1001

CAMPUS DRIVE PLAN AND PROFILE
STA 13+31 TO 22+50

PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE 03/5/03
DRAWN KW
CHECKED
SCALE 1" = 20'
DRAWING NO. 3 of 16

P-1959 Englebrecht Drainage



STORHAUG ENGINEERING
LAND SURVEYING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-7001

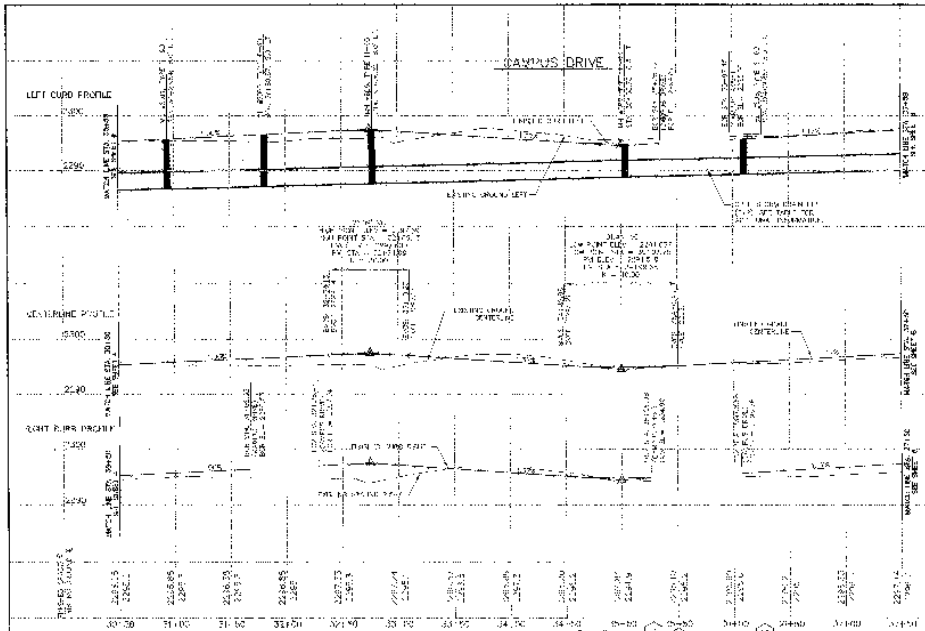
SE

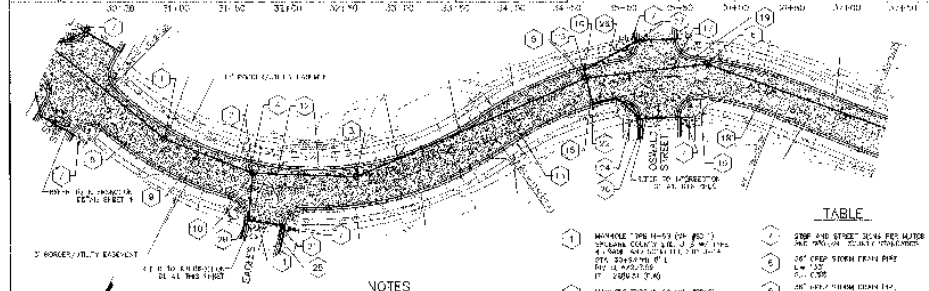
SHEET TITLE: CAMPUS DRIVE PLAN AND PROFILE
STA 22+50 TO 30+50

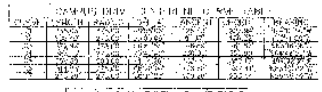
PROJECT TITLE: PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

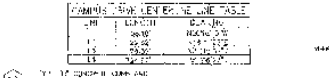
DATE: 03/15/08
DRAWN: FMF
CHECKED: JH
PROJECT NUMBER: 05-038
DRAWING NO.: 4 of 16
SHEET

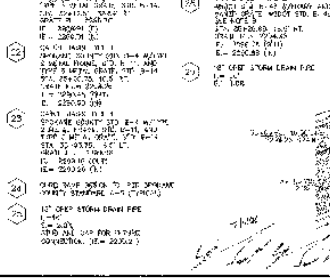
P1959 Eng Road Drainage

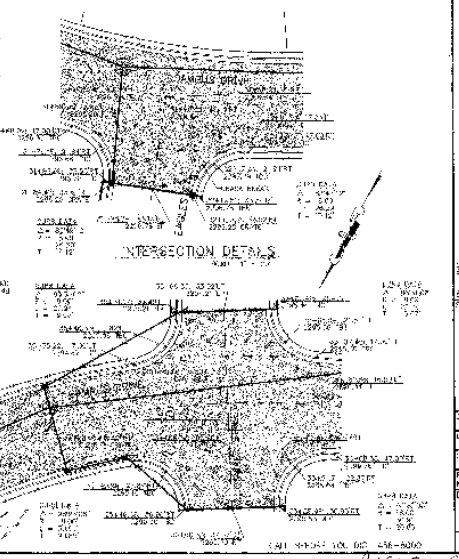












NOTES

TABLE

GRAPHIC SCALE

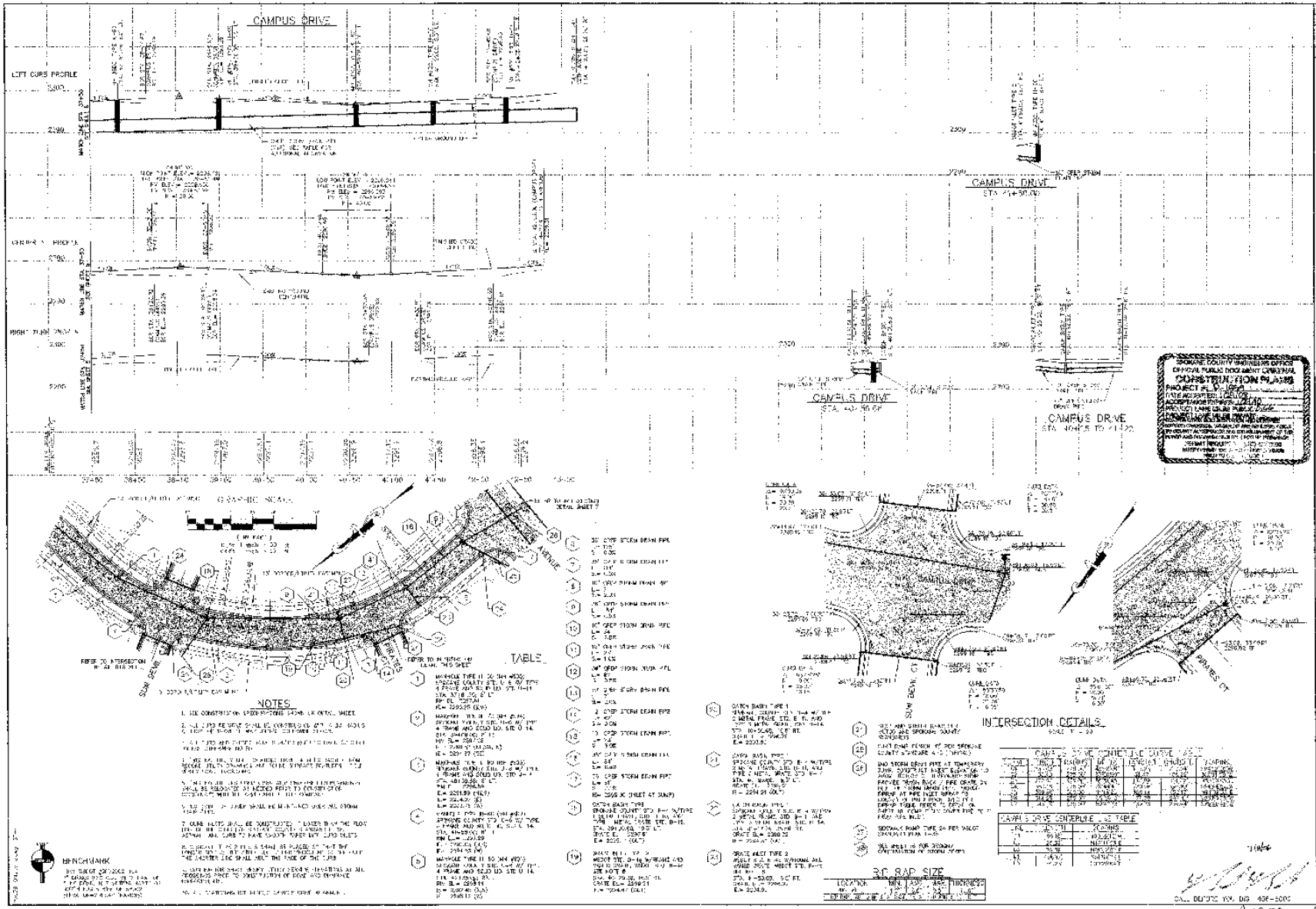
BENCHMARK

STORHAUG ENGINEERING
LAND SURVEYING · LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING · LAND USE PLANNING
818 EAST THIRD AVE. SPOKANE, WA 99202
PHONE: 509-624-7080 · FAX: 509-624-7141

CAMPUS DRIVE PLAN AND PROFILE
STA 30+50 TO 37+50
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE: 03/15/08
DRAWN: KK
CHECKED: CH
PROJECT NUMBER: 05-039
DRAWING NO.: 3 OF 10
SHEET

P-159 Eng/Const/Drainage



P-1959 Eng Road & Drainage

12TH AVENUE

CENTER LINE DRIVE

0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+50 4+00 4+50 5+00 5+50

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT CERTIFIED
CONSTRUCTION PLANS
PROJECT #: C-1959
DATE ADVERTISED: 1/24/06
ACCEPTANCE EXPIRES: 1/24/10
PROJECT LANE WIDTH: 0.0
SPOKANE COUNTY ENGINEERS
THIS DOCUMENT IS A PUBLIC DOCUMENT. ALTERATIONS, MODIFICATIONS, ADDITIONS OR DELETIONS TO THIS DOCUMENT ARE PROHIBITED. THIS DOCUMENT IS VALID ONLY IF IT BEARS THE ORIGINAL SIGNATURE AND DATE IN INK OF THE APPROVING ENGINEER FOR SPOKANE COUNTY.
PERMIT NUMBER: 1210-07-0131
MAINTENANCE BOND: 2010-07-0005
RIGHT OF WAY PERMIT:

NOTES

1. SEE CONSTRUCTION SPECIFICATIONS SHOWN ON DETAIL SHEET.
2. ALL CURB SECTIONS SHALL BE CONSTRUCTED WITH 4 SAW JOINTS PER CURB SECTION, EXCEPT THE 1.5 FT WIDE CURBS.
3. ALL CURB AND GUTTER GRADES TO BE REFERENCED TO BACK OF CURB, UNLESS OTHERWISE NOTED.
4. ELECTRIC UTILITY LINE LOCATIONS ARE BASED ON INFORMATION FROM ELECTRIC UTILITY COMPANY AND SHOULD BE VERIFIED BY THE UTILITY PRIOR TO CONSTRUCTION.
5. ANY ITEMS DAMAGED DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REPLACED TO ORIGINAL CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR MUST NOTIFY THE APPROPRIATE UTILITY COMPANY.
6. ALL CURB AND GUTTER SHALL BE CONSTRUCTED WITH 4 SAW CUT EXPANSION JOINTS PER 1.
7. CURB TAPERS SHALL BE CONSTRUCTED WITH A LENGTH TO HEIGHT RATIO OF 3:1 UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
8. [illegible] THE CURB, [illegible] THE STRUCTURE IS INTERFERING WITH THE CURB, [illegible] THE CURB SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
9. [illegible] ASSEMBLY PRIOR TO PLACING ANY MATERIAL OR ASPHALT ON THE ROAD. [illegible]

1. CATCH BASIN TYPE 1 SPOKANE COUNTY STD. [illegible] WITH 1 SOLID COVER, STD. [illegible] AND TYPE 2 METAL CENTER GRATE, STD. [illegible]
   STA. [illegible] 12TH AVE
   RIM = [illegible]
   IE = [illegible] (W)
2. 12" PVC STORM DRAIN PIPE
   L = [illegible]
   S = [illegible]
3. MANHOLE - TYPE III (60 MIN. MEDIUM) SPOKANE COUNTY STD. [illegible] WITH 1 SOLID COVER, STD. [illegible] AND TYPE 2 METAL CENTER GRATE, STD. [illegible]
   STA. [illegible] 12TH AVE
   RIM = [illegible]
   IE = [illegible] (N)
   IE = [illegible] (W)
   IE = [illegible] (S)
4. [illegible] CURB, SEE DETAIL SHEET
5. [illegible]
6. NEW AND REPLACE DRAINAGE PER NOTES AND SPOKANE COUNTY STANDARDS.
7. TRENCHED 12" DRAIN PIPE (MIN.) AND SPOKANE COUNTY STANDARDS.
8. TYPE I EXPANSION FOR WEST SPOKANE COUNTY.
9. EXISTING CULVERT
10. [illegible] WITH 1 SOLID COVER, [illegible] AND SPECIFICATIONS

BENCHMARK
[illegible]

GRAPHIC SCALE
[illegible]

12TH AVENUE
[illegible] FT. RADIUS
[illegible]

INTERSECTION DETAILS
[illegible] = 1' = 40'

CALL BEFORE YOU DIG 456-8000

STORHAUG ENGINEERING
LAND SURVEYING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-1001

No.	DESC.	DATE	BY
1			
2			
3			
4			

12TH AVENUE PLAN AND PROFILE
STA 0+00 TO 5+53.25

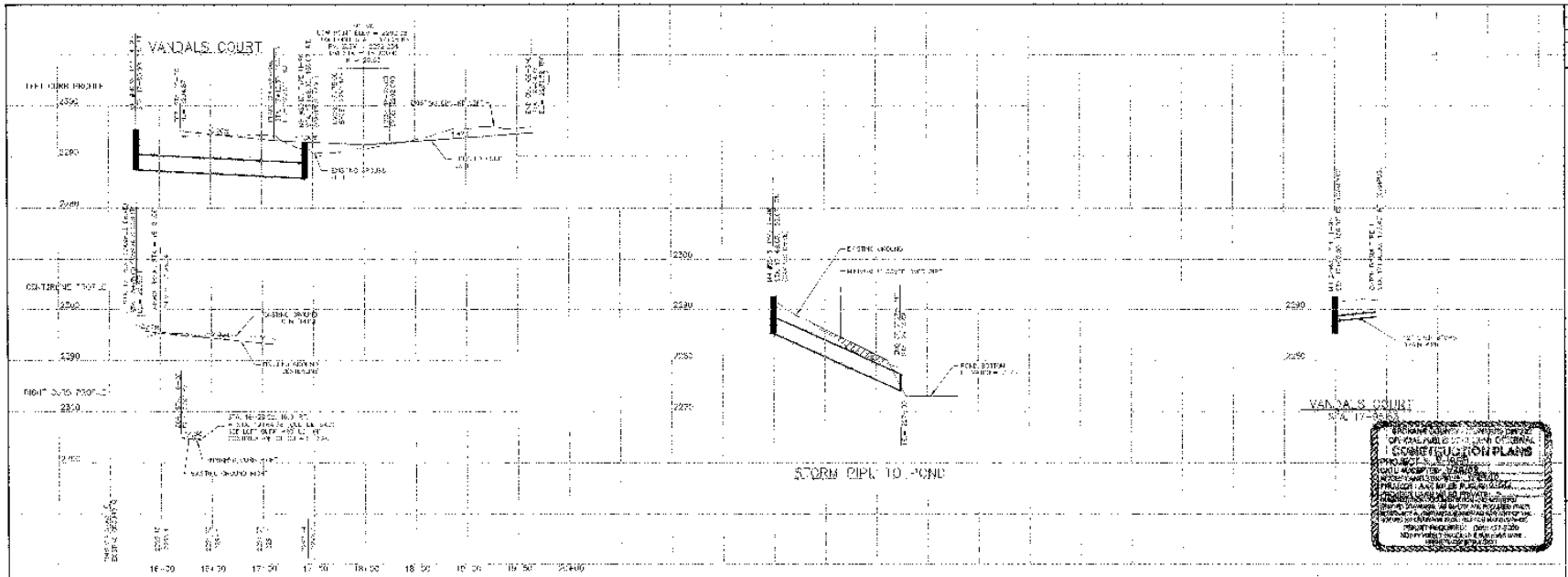
PROJECT TITLE
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

SHEET NO.

REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
[illegible]

DATE	03/13/06
DRAWN	[illegible]
CHECKED	[illegible]
PROJECT NUMBER	05-038
DRAWING NO.	7 of 16
SHEET	

P1959 Eng Road Drawings



NOTES

1. [illegible]

2. [illegible]

3. [illegible]

4. [illegible]

5. [illegible]

6. [illegible]

TABLE

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

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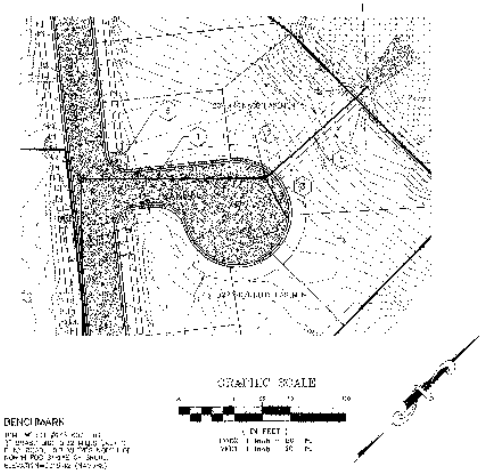
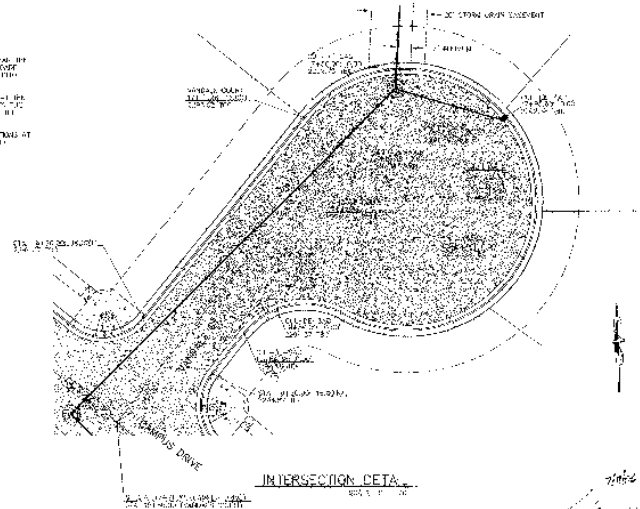




CALL BEFORE YOU DIG 456-8000

P-1959

STORHAUG ENGINEERING
LAND SURVEYING LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-7001

SE

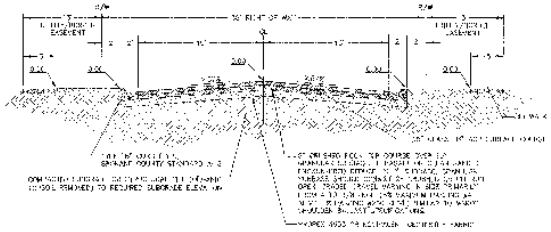
No.	DESC. / DATE	BY
4		
3		
2		
1		

SHEET TITLE: VANDALS COURT PLAN AND PROFILE
STA 15+85 TO 17+43.38

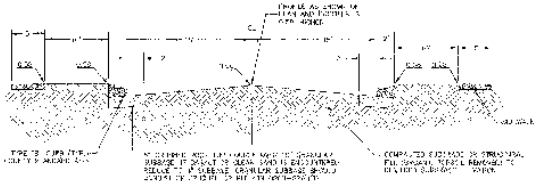
PROJECT TITLE: PILLAR ROCK ESTATES - PHASE I
SPOKANE COUNTY, WA

SCALE: 1"=10'

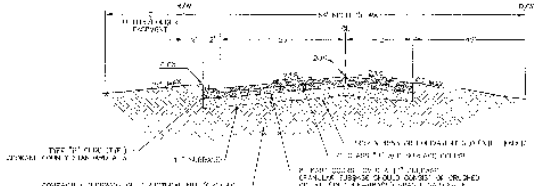
DATE: 05/16/08
DRAWN: CMF
CHECKED: CI
PROJECT NUMBER: 05 038
DRAWING NO.: 8 of 16
STREET



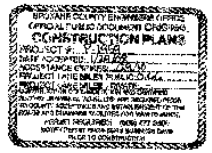
CAMPUS DRIVE ROAD SECTION

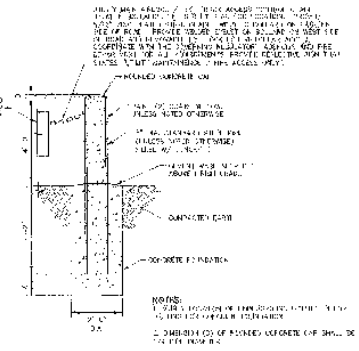


LOCAL ACCESS STUB ROAD SECTION

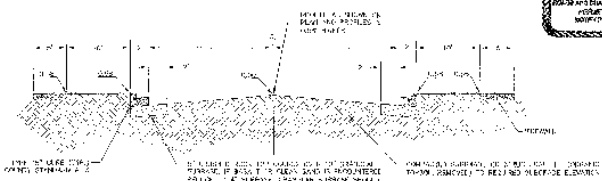


12TH AVENUE ROAD SECTION

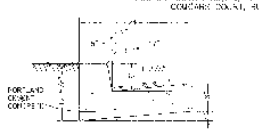




EXTERIOR PIPE BOLLARD



MINOR STUB ROAD SECTION

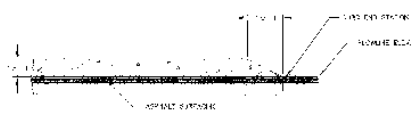


TYPE "C" INTERIOR CONFIGURATION

NOTES

TYPE "C" OUTFLOW CONFIGURATION

CURB DETAILS



CURB NOSE-DOWN DETAIL

CONSTRUCTION SPECIFICATIONS

SEEDING SPECIFICATIONS

No.	DESC / DATE	BY

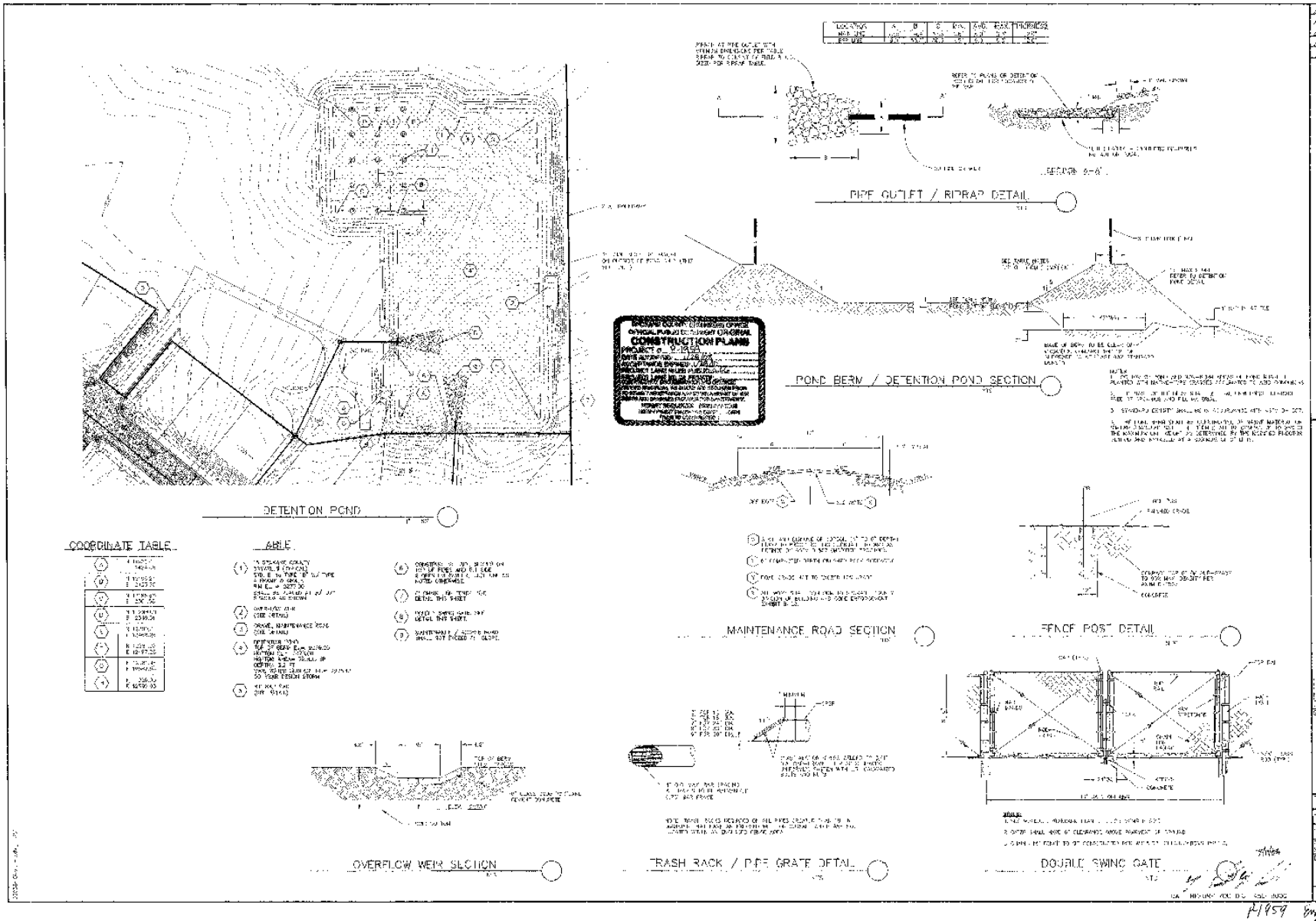
STOEBHAUG ENGINEERING
LAND SURVEYING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND USE PLANNING
516 EAST THIRD AVE. SPOKANE, WA. 99202
PHONE 509-242-9100 FAX 509-242-9101

DETAIL SHEET

PROJECT TITLE
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE 03/07/06
DRAWN DHT
CHECKED CH
PROJECT NUMBER 00-038
DRAWING NO. 3 of 15
DETAIL

P1959 Engineer's Drawings



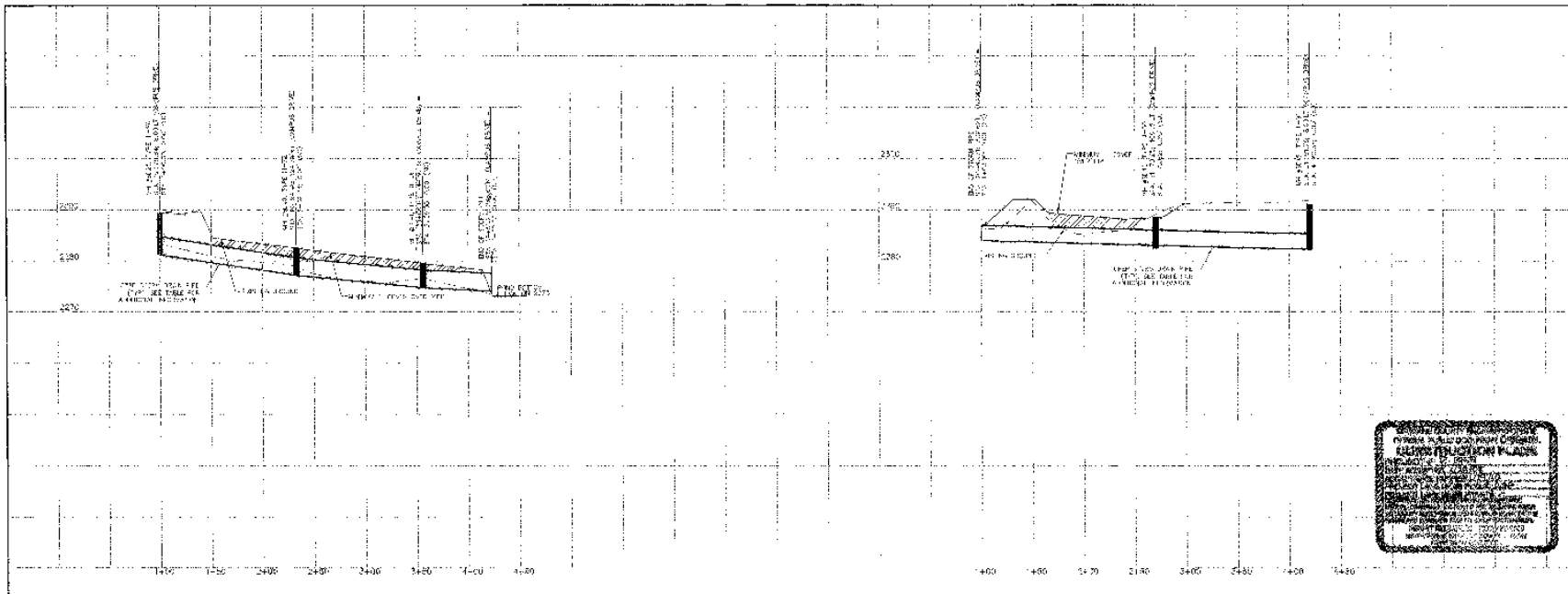
STORHAUG ENGINEERING
LAND SURVEYING · LANDSCAPE ARCHITECTURE
GIVIL ENGINEERING · LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 98202
PHONE 509-227-0080 FAX 509-242-1001

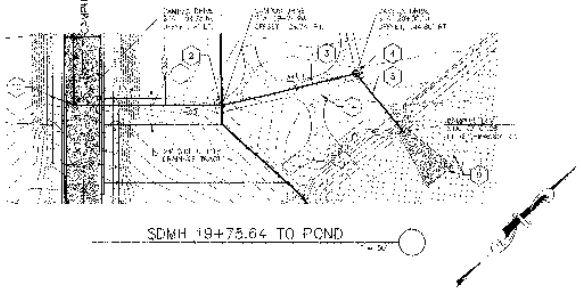
DETENTION POND DETAILS

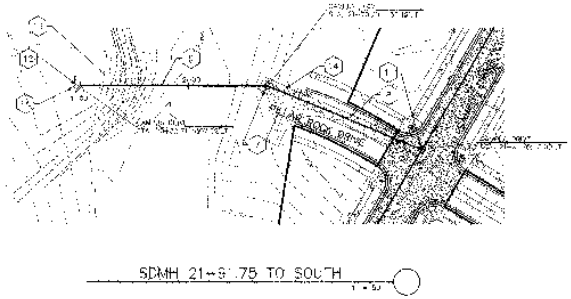
PILLAR ROCK ESTATES—PHASE 1
SPOKANE COUNTY, WA

DATE
DRAWN
CHECKED
PROJECT NUMBER
DRAWING NO.
10 of 15

P1959 Engineering







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2	[illegible]
3	[illegible]
4	[illegible]
5	[illegible]
6	[illegible]
7	[illegible]
8	[illegible]
9	[illegible]
10	[illegible]
11	[illegible]
12	[illegible]
13	[illegible]
14	[illegible]
15	[illegible]

NOTES

1. SEE CONSTRUCTION SPECIFICATIONS SHOWN ON DETAIL SHEET.
2. ALL CURB AND CURB SHALL BE CONSTRUCTED AT 4 A 20 [illegible]
3. ALL CURB AND OFFSET DATA IS REFERENCED TO BACK OF [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]
15. [illegible]

RIP RAP SIZE

LOCATION	D.B.	MAX.	THICKNESS
[illegible]	[illegible]	[illegible]	[illegible]

CALL BEFORE YOU DIG 1-55-8000

P:1959 Eng Roads Drainage

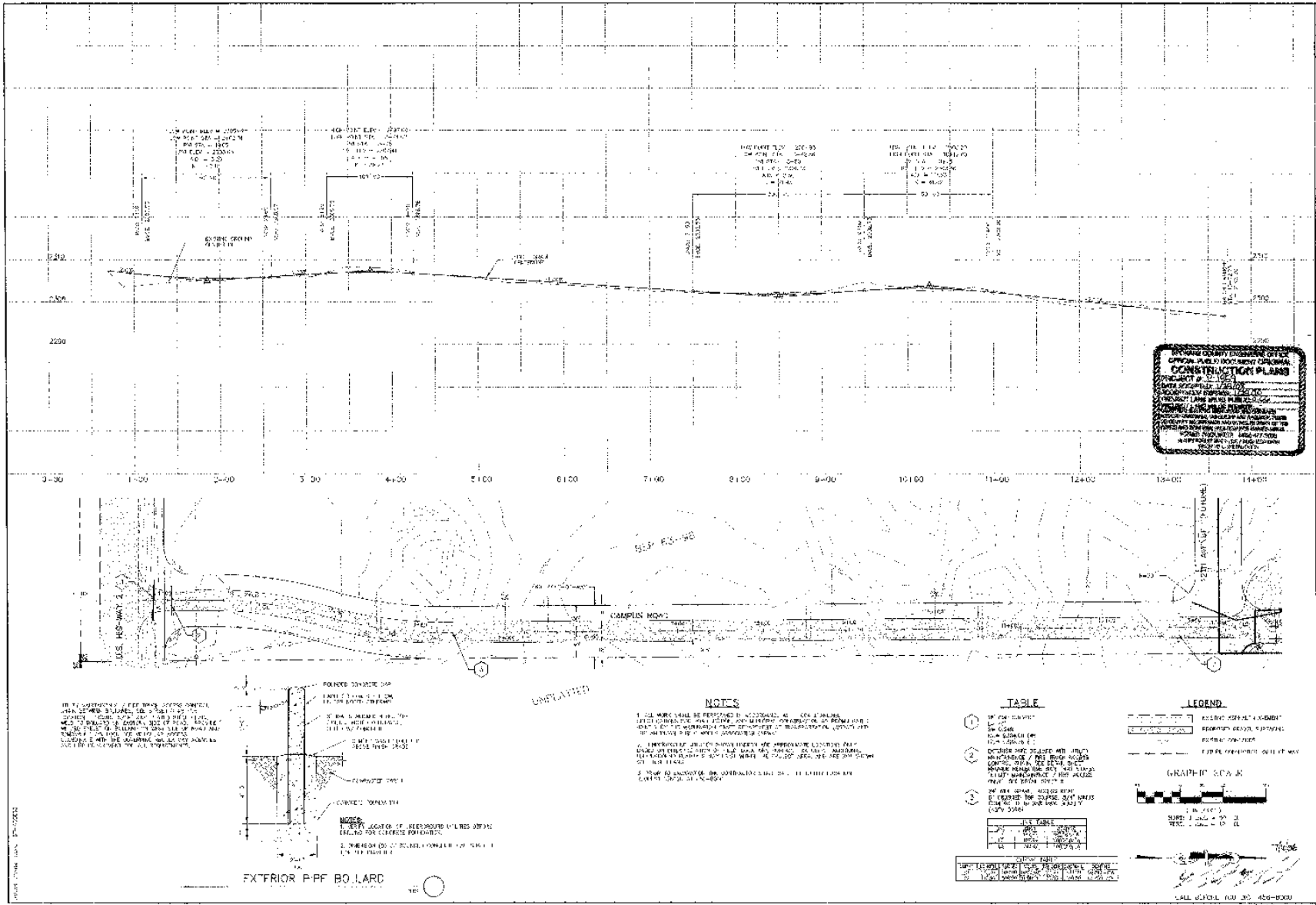
STORHAUG ENGINEERING
LAND SURVEYING LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-1001

SE

SHEET TITLE: STORM DRAIN PLAN AND PROFILES

PROJECT TITLE: PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE: 03/15/08
DRAWN: [illegible]
CHECKED: CH
PROJECT NUMBER: 05-038
DRAWING NO.: 11 of 15
DETAIL



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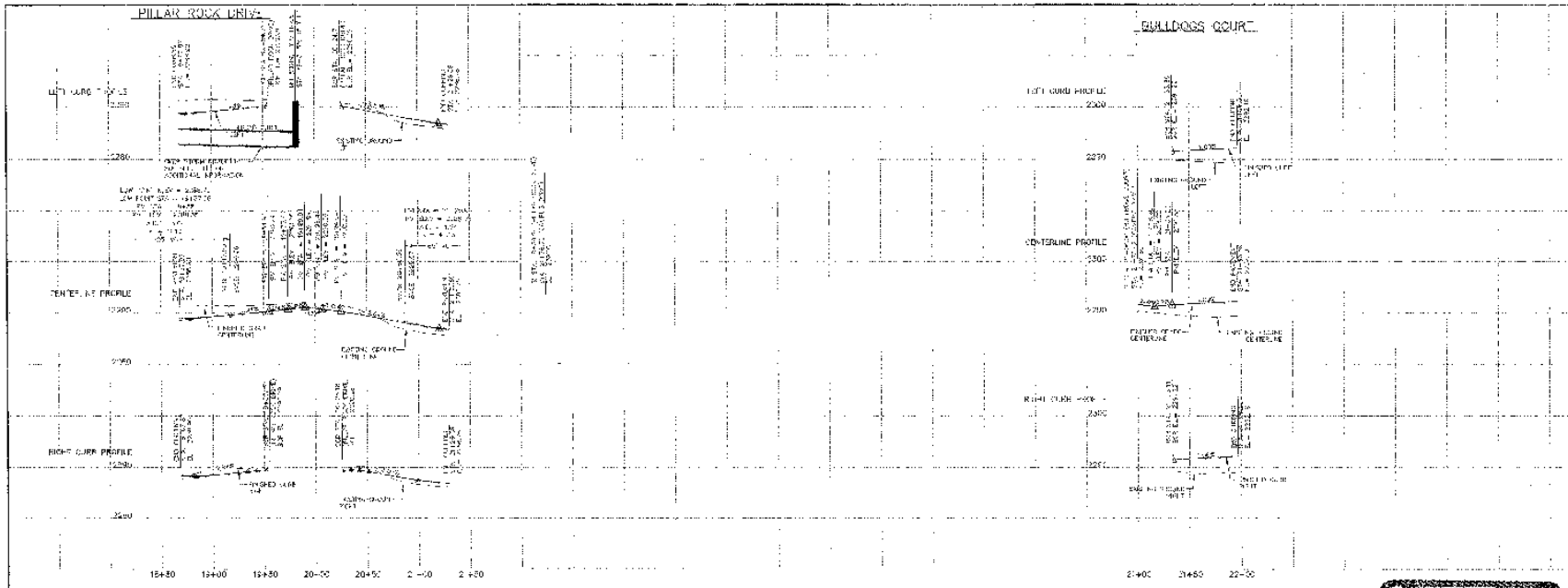
LAND SURVEYING · LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING · LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 98202
PHONE 509-242-1000 FAX 509-242-1001

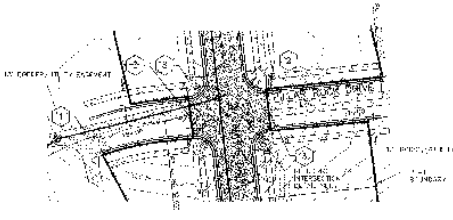
CAMPUS ACCESS ROAD DETAILS

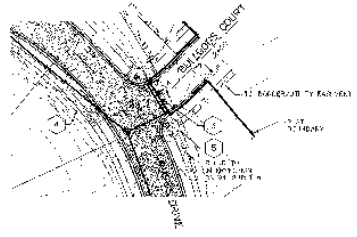
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE 03/15/08
DRAWN FMF
CHECKED
PROJECT NUMBER 09-0358
DRAWING NO. 12 OF 13

P-1959







LINE TABLE		
LINE	LENGTH	BEARING
L1	[illegible]	[illegible]
L2	[illegible]	[illegible]
L3	[illegible]	[illegible]

CURVE TABLE							
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	BEARING	
C1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

LINE TABLE		
LINE	LENGTH	BEARING
[illegible]	[illegible]	[illegible]

CURVE TABLE							
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	BEARING	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

NOTES

[illegible]

TABLE

1. [illegible]
2. [illegible]
3. TRANSITION FROM EDGE OF PAVING TO EXISTING GROUND AT 3:1 SLOPE MAXIMUM
4. [illegible]
5. [illegible]
6. [illegible]

GRAPHIC SCALE

BENCHMARK

CALL BEFORE YOU DIG 456-6000

R 1959

Orig Road Drawing

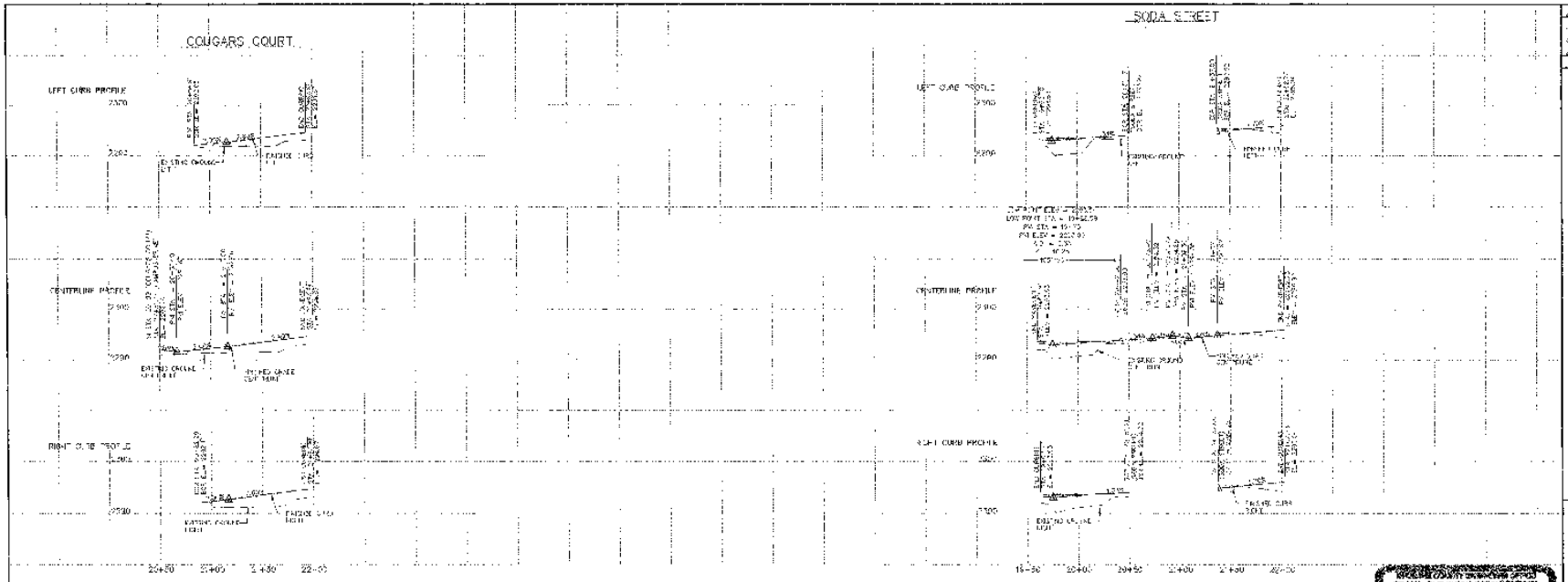
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

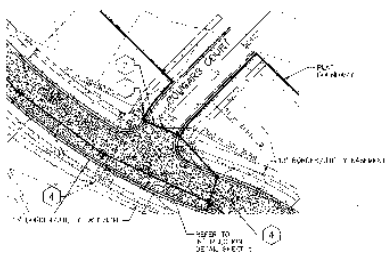
STORHAUG ENGINEERING
LAND SURVEYING · LANDSCAPE ARCHITECTURE
516 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-1012

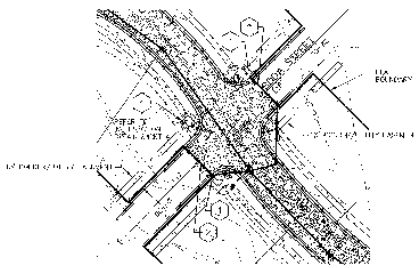
NO.	DATE	BY

PLAN AND PROFILE
PILLAR ROCK DR. & BULLDOGS CT.
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE 03/15/06
DESIGN JD
CHECKED JD
PROJECT NUMBER 10-C06
DRAWING NO. 13 of 16
STREET







CONSTRUCTION PLANS

NOTES

1. SEE CONSTRUCTION DETAILS DRAWING SHEET 1.
2. ALL DIMENSIONS ARE SHOWN BELOW CONSTRUCTION AND ARE RADIUS AT EDGE OF TRAVELED WAY UNLESS OTHERWISE SHOWN.
3. ALL CURB AND SHEET DATA IS REFERENCED TO BACK OF CURB, UNLESS OTHERWISE NOTED.
4. EXISTING UTILITY LINE LOCATIONS HAVE BEEN EXTRACTED FROM CONSTRUCTION DRAWINGS AND EXISTING FEATURES. FIELD VERIFY EXACT LOCATIONS.
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]

TABLE

1. STOP AND CROSS DRAINS PER MATCH AND SPOKANE COUNTY STANDARDS
2. TRANSITION FROM EDGE OF PAVING TO PARKING GROUND AT THE SLOPE MAXIMUM
3. SIDEWALK RAMP TYPE 2A, 2B WHICH IS ENDED PLAN F 5B
4. CURB RAMP DESIGN TO BE SPOKANE COUNTY STANDARD A 5 (TYPICAL)

LINE	LENGTH	BEARING
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CURVE TABLE

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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LINE TABLE

LINE	LENGTH	BEARING
[illegible]	[illegible]	[illegible]

GRAPHIC SCALE

1 IN FEET 1

BENCHMARK

[illegible]

CALL BEFORE YOU DIG 436-6200

P-1959

Engineer Drawing

No.	DESC. / DATE	BY

STORHAUG ENGINEERING
LAND SURVEYING | LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING | LAND USE PLANNING
510 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-1001

SEAL

PLAN AND PROFILE
COUGARS CT. & SODA ST.

PROJECT TITLE
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE	13/15/06
DRAWN	JAL
CHECKED	2
PROJECT NUMBER	35-035
DRAWING NO.	17 of 16

STREET

EAGLES COURT

OSWALD STREET

RT. CURB PROFILE

CENTERLINE PROFILE

RIGHT CURB PROFILE

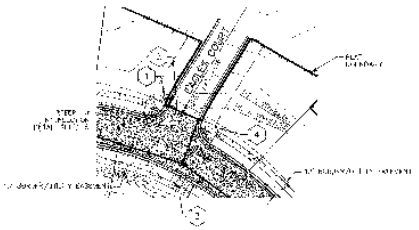
LEFT CURB PROFILE

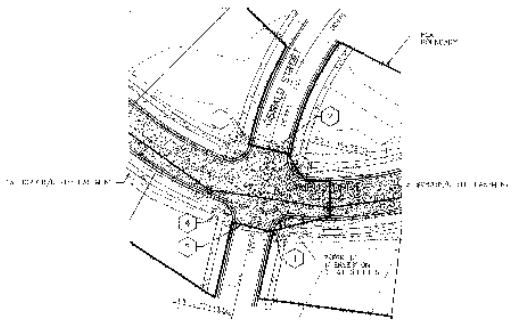
CENTERLINE PROFILE

RIGHT CURB PROFILE

20+00 21+00 2+50 22+00

17+00 17+50 18+00 18+50 19+00 19+50 20+00 20+50





CURVE TABLE						
CURVE	DELTA	RADIUS	ARC LENGTH	TANGENT	CHORD	BEARING
C1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LINE TABLE		
LINE	LENGTH	BEARING
L1	[illegible]	[illegible]

NOTES

1. [illegible] CONSTRUCTION SPECIFICATIONS SHOWN ON DETAIL SHEET
2. [illegible]
3. [illegible]
4. EXISTING UTILITY LINE LOCATIONS HAVE BEEN ESTIMATED FROM [illegible] FEATURES. [illegible]
5. [illegible]
6. [illegible]
7. [illegible] SPOKANE COUNTY STANDARDS
8. [illegible] FLOW LINE OF THE CURB FOR A SMOOTH TRANSITION [illegible] CURB INLETS.
9. [illegible] TYPE 2 INLETS SHALL BE PLACED SO THAT THE [illegible] THE GUTTER FLOW SHALL FLOW [illegible] THE FACE OF THE CURB.
10. CONTRACTOR SHALL VERIFY [illegible] SERVICE ELEVATIONS AT [illegible] GRADE INTERSECTIONS.

TABLE

1. [illegible] SPOKANE COUNTY STANDARDS
2. TRANSITION FROM TYPE OF CURBING TO EXISTING GROUND AT 3:1 SLOPE MAXIMUM
3. SIDEWALK RAMP TYPE 2A PER SPOKANE STANDARD PLAN [illegible]
4. CURB RAMP DESIGN TO FOLLOW GENERAL COUNTY STANDARD PLAN (TYPICAL)

GRAPHIC SCALE

(IN FEET)

BENCHMARK

[illegible]

SPOKANE COUNTY ENGINEER GENERAL
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # [illegible]
DATE RECEIVED [illegible]
RECORDING APPROVAL [illegible]
PROJECT LAND VALUE IN VALUE [illegible]
[illegible]
[illegible]
[illegible]
PROJECT RECORDS [illegible]
[illegible]
[illegible]

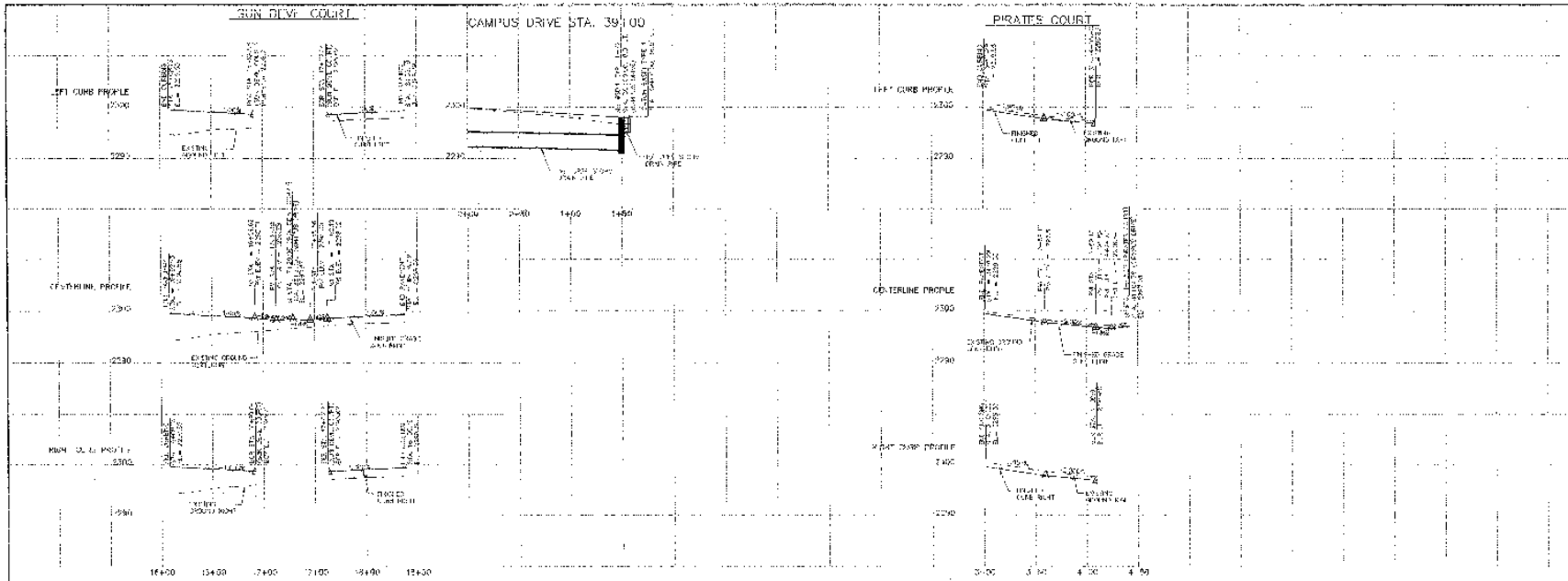
STORHAUG ENGINEERING
LAND SURVEYING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
LAND USE PLANNING
[illegible] THIRD AVE. SPOKANE, WA 99202
PHONE: 509-242-1001 FAX 509-242-1001

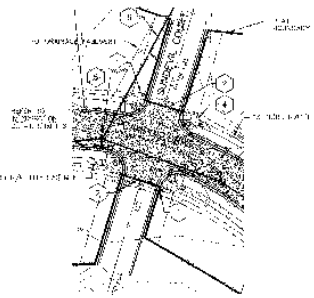
PLAN AND PROFILE
EAGLES CT. & OSWALD ST.
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE 03/15/06
DRAWN JAL
CHECKED CH
PROJECT NUMBER 05 038
DRAWING NO
5 OF 18
SHEET

F-1954

Eng Lead + Drawer





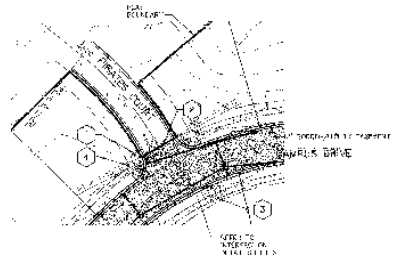
LINE	BEAR	DISTANCE
L1	[illegible]	[illegible]
L2	[illegible]	[illegible]
L3	[illegible]	[illegible]

NOTES

[illegible]

TABLE

1. SIGN AND STREET SIGNS PER SUTCA AND SPOKANE COUNTY STANDARDS
2. [illegible] PER SUTCA
3. [illegible]
4. [illegible] PER SUTCA AND SPOKANE COUNTY STANDARDS A-6 APPROVAL
5. [illegible]
6. [illegible]



LINE TABLE		
LINE	BEARING	DISTANCE
[illegible]	[illegible]	[illegible]

CURVE TABLE					
CURVE	DELTA	RADIUS	ARC LENGTH	CHORD	CHORD BEARING
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GRAPHIC SCALE

1" = [illegible]'

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PLAN & DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # C-[illegible]
PLANS ACCEPTED: [illegible]
ACCEPTANCE EXPIRES: [illegible]
PROJECT LAND MUST BE PUBLIC
PROJECT LAND MUST BE PRIVATE
CONSTRUCTION COMMENCEMENT AND DEFINED
[illegible]
[illegible]
[illegible]
[illegible]

BENCHMARK

[illegible]

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7/10/06

Eng Tech Drawings

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CIVIL ENGINEERING · LAND USE PLANNING
310 EAST THIRD AVE. SPOKANE, WA 99202
PHONE 509-242-1000 FAX 509-242-1001

No.	Date	Job	By

PLAN AND PROFILE
SUN DEVIL CT. & PIRATES CT.
PILLAR ROCK ESTATES – PHASE I
SPOKANE COUNTY, WA

DATE 03/13/06
DRAWN AH
CHECKED CH
PROJECT NUMBER 05-038
DRAWING NO. 13 OF 18
STREET