

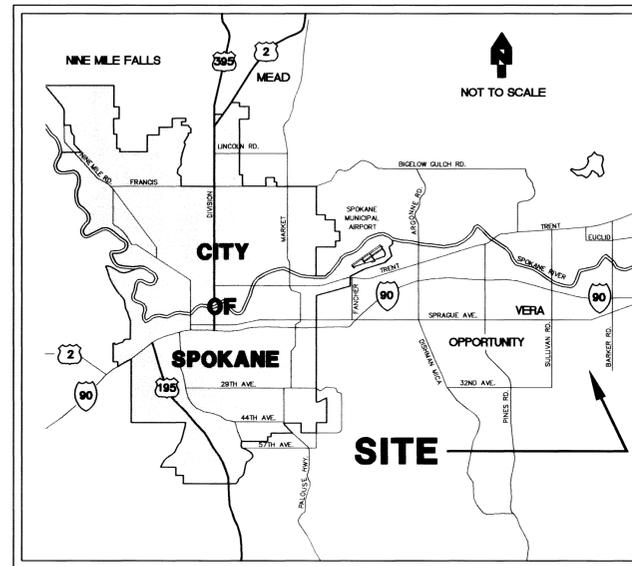
MORNINGSIDE HEIGHTS 4TH ADDITION

SPOKANE COUNTY, WASHINGTON

SECTION 30, T. 25N., R. 45E., W.M.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
ROAD	
2	DUSK LANE STA. 19+20.51 TO STA. 25+74.49
STORM	
3	STORM POND DETAIL SHEET
4	STORM POND LINER DETAIL SHEET
5	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN



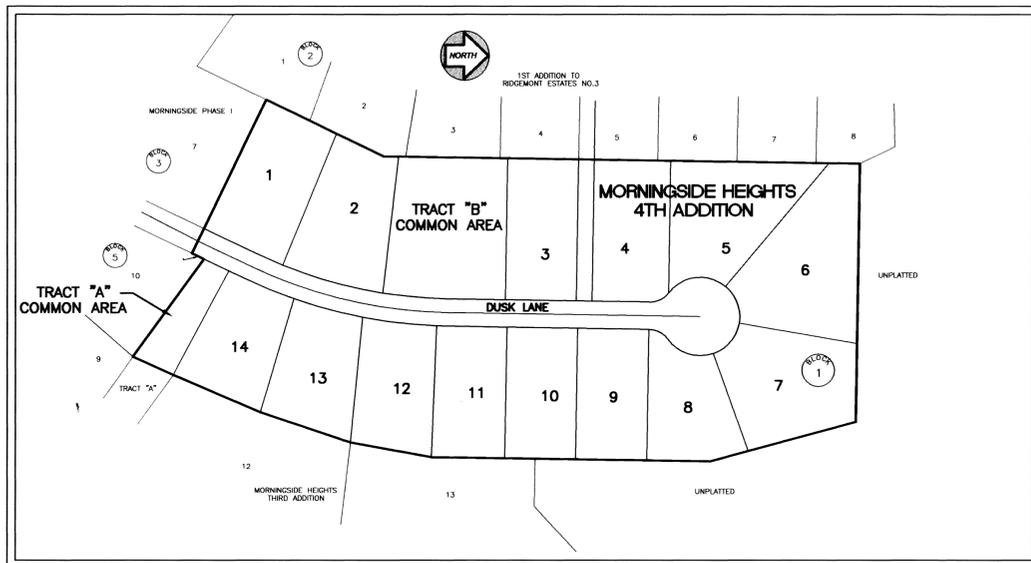
LOCATION MAP

LEGEND

2353	EXISTING CONTOUR
---	EASEMENT LINE
BT	EXISTING BURIED TELEPHONE
-G-	EXISTING BURIED GAS PIPELINE
OE	EXISTING OVERHEAD ELECTRICAL
-x-x-x-x-	EXISTING FENCE
---	EXISTING WATER LINE
SS	EXISTING SEWER LINE
SD	EXISTING STORM DRAIN LINE
⊗	EXISTING WATER VALVE
⊥	EXISTING WATER LINE FITTING (TYP.)
⊕	EXISTING FIRE HYDRANT
⊞	EXISTING WATER METER AND SERVICE
⊙	EXISTING SIGN
○	EXISTING SANITARY SEWER MANHOLE
---	PLAT BOUNDARY
---	LOT LINE
W	NEW WATER LINE
SS	NEW SANITARY SEWER LINE
SD	NEW STORM DRAIN LINE
---	NEW ASPHALT PAVEMENT REPLACEMENT
⊗	NEW WATER VALVE
⊥	NEW CONCRETE THRUST BLOCK
⊥	NEW WATER LINE FITTING (TYP.)
●	NEW SANITARY SEWER MANHOLE
⊙	NEW STORM DRAIN MANHOLE
■	NEW STORM DRAIN CATCH BASIN

GENERAL NOTES:

- ALL MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 2004", AS AMENDED, AND PER THE "2000 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (W.S.D.O.T.) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
- LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLAN 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. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF POWER POLES, LIGHTS, TELEPHONE, AND/OR OTHER UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.
- 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. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED DRAWINGS.
- CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. 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.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS ACTIVITIES.
- SITE EXCAVATION, INCLUDING ROCK CUTS AND REMOVAL, SHALL CONFORM TO SECTION 2-03 OF THE WSDOT STANDARD SPECIFICATIONS. EMBANKMENTS TO BE CONSTRUCTED ACCORDING TO THE APPLICABLE PARAGRAPHS OF SECTION 2-03 OF THE WSDOT STANDARD SPECIFICATIONS. EARTH EMBANKMENTS TO BE CONSTRUCTED USING METHOD B OF 2-03.3(14)C.
- ALL FILL IN AREAS OUTSIDE OF PAVEMENT SHALL BE COMPACTED IN MAXIMUM 8" LIFTS TO 92% OF MAXIMUM ASTM D 1557 DRY DENSITY. PAVEMENT SUBGRADE SHALL BE COMPACTED TO 95%.
- 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.
- ALL PROPOSED ROADWAY AREAS SHALL BE STRIPPED TO A DEPTH OF AT LEAST 12" OF ALL VEGETATION, NEAR-SURFACE ROOTS, ANY EXISTING FILL, AND TOPSOIL. THE STRIPPED MATERIAL CAN BE RE-USED FOR LANDSCAPING, BUT IS NOT ACCEPTABLE FOR STRUCTURAL FILL.
- NATIVE MATERIALS, EXCLUDING TOPSOIL, IS ACCEPTABLE FOR USE AS STRUCTURAL FILL. IF STRUCTURAL FILL IS IMPORTED IT SHALL CONSIST OF WELL-GRADED SAND AND GRAVEL WITH NO PARTICLES LARGER THAN FIVE INCHES IN DIAMETER AND NOT MORE THAN 30% BY WEIGHT PASSING THE #200 SIEVE. STRUCTURAL FILL SHALL BE PLACED IN MAX. 6 INCH LIFTS WITHIN 2% OF OPTIMUM MOISTURE AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR.
- THE TOP 12 INCHES OF THE ROAD SUBGRADE SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM AND COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD.
- CRUSHED SURFACING TOP COURSE SHALL CONFORM TO WSDOT STANDARDS AND COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY.
- ASPHALT CONCRETE SHALL BE WSDOT CLASS B AND COMPACTED TO 92% OF THE THEORETICAL MAXIMUM DENSITY AS DETERMINED BY THE RICE METHOD.
- DURING CONSTRUCTION, THE GROUND SURFACE SHOULD BE SLOPED TO PREVENT STORM RUNOFF FROM ACCUMULATING IN ANY OF THE SUBGRADE AREAS. ANY AREAS OF SOFTENED SUBGRADE SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL.



VICINITY MAP

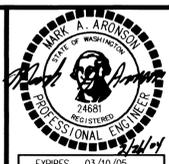


UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. TAYLOR ENGINEERING, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, WE DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN EXACT LOCATION INDICATED, ALTHOUGH WE DO CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

1	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/12/04
2	2/04	DWC	GRG	MAA	COUNTY COMMENTS 2/28/04
No.	Date	By	Ckd.	Appr.	Revisions

Drawn	Date
CWD	1/28/04
Designed	
GRG	1/28/04
Checked	
MAA	1/28/04



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.

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

**SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS**
W. 1026 Broadway Ave.
Spokane, Wa. 99260-0170
477-3600

Developer's Approval: *[Signature]* Date 2-26-04

VERTICAL DATUM: REBAR W/PC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 120' S. EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL. = 2341.84 (NAVD 88)

CADD FILE NAME: 03020PH-4COV

50 25 0 50 100
SCALE FEET

SCALE

HORIZ. N/A
VERT. N/A

MORNINGSIDE HEIGHTS

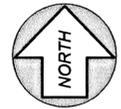
COVER SHEET

COVER SHEET

1 / 5

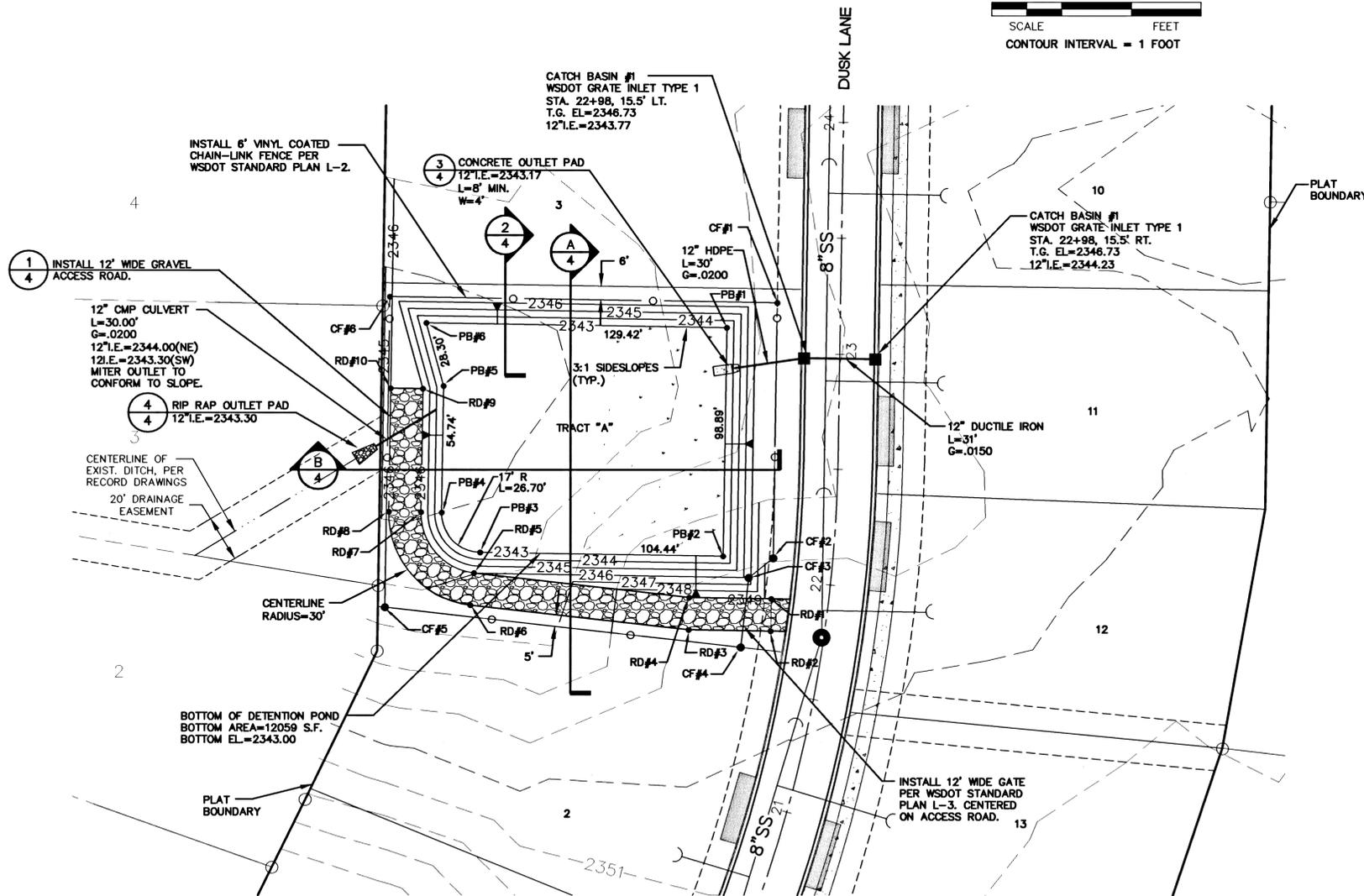
MORNINGSIDE HEIGHTS 4TH ADDITION

S. 25, T.25N., R.44E., W.M.



DETENTION AND CONSTRUCTION NOTES:

1. THE POND BOTTOM SHALL BE CUT FROM NATIVE ON-SITE SOILS AND COMPACTED PRIOR TO INSTALLING THE 4" BEDDING SAND LAYER.
2. POND BERMS MAY BE CONSTRUCTED USING ANY NATIVE ON-SITE SOILS EXCEPT THE ON-SITE TOP SOIL MATERIAL.
3. IF IMPORTED MATERIAL IS USED TO CONSTRUCT THE POND BERMS, THE MATERIAL SHALL CONSIST OF A SAND AND GRAVEL MATERIAL WITH NO PARTICLES LARGER THAN 5 INCHES IN DIAMETER AND NOT MORE THAN 30% PASSING THE #200 SIEVE.
4. TREATMENT/DETENTION POND SHALL EMPLOY A 30 MIL PVC LINER COVERED BY A 12" LAYER OF SANDY SOIL. FIELD SEAMS IN THE LINER SHALL BE MADE WITH THE MANUFACTURER'S RECOMMENDED ADHESIVE ACCORDING TO THE RECOMMENDED PROCEDURES TO PROVIDE A MAXIMUM PERMEABILITY RATE OF 1.0X10⁻⁷ CM/SEC. CONTRACTOR SHALL FURNISH SEAMING PROCEDURES, FLASHING METHODS AND BACKFILLING METHODS TO THE OWNER'S ENGINEER.
5. THE SURFACE OF THE LINER SUBGRADE SHALL BE PREPARED BY EXCAVATING TO THE ELEVATION REQUIRED BY THE DRAWINGS. THE SUBGRADE SHALL BE FREE FROM LOOSE EARTH, ROCK, COBBLES, RUBBISH, OR OTHER FOREIGN MATERIALS.
6. SUBGRADE SHALL BE COMPACTED TO 90% OF MAX. MODIFIED PROCTOR DENSITY AND INSPECTED BY THE OWNER'S ENGINEER PRIOR TO INSTALLATION OF THE BEDDING SAND. AREAS WITH EXPOSED ROCK OR COBBLES SHALL BE OVER EXCAVATED A MINIMUM OF 3" AND BACKFILLED WITH A FINE GRAINED MATERIAL.
7. BEDDING SAND SHALL BE PLACED IN A UNIFORM 4" DEPTH OVER THE ENTIRE AREA TO BE COVERED WITH THE LINER.
8. ADJACENT TO CONCRETE INLET STRUCTURE, THE CONTRACTOR SHALL TERMINATE THE LINER MEMBRANE A MINIMUM OF 12" ABOVE THE DESIGN WATER ELEVATION OF THE LINER. THE LINER SHALL BE FASTENED TO THE STRUCTURE USING THE MANUFACTURER'S APPROVED METHOD.
9. THE EARTH COVER OVER THE POND LINER SHALL BE FERTILE, FRIABLE, NATURAL, LOAM, SURFACE SOIL REASONABLY FREE OF SUBSURFACE SOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS AND STONES LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. NO MORE THAN 10% ROCK FRAGMENTS SHALL BE PRESENT IN THE EARTH COVER.



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P17149D
DATE ACCEPTED: 02-27-04
ACCEPTANCE EXPIRES: 02-27-07
PROJECT LANE MILES PUBLIC: 1.14 MI
PROJECT LANE MILES PRIVATE: 0.12 MI
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE. PERMIT REQUIRED! (SC) 477-3900
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DRAINAGE NOTES:

1. CONTRACTOR SHALL INSTALL FILTER FABRIC OVER CATCH BASIN GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN DEBRIS COLLECTED ON FABRIC. IF THE FILTER FABRIC, FOR ANY REASON, IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND REPLACE FILTER FABRIC.
2. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED.
3. 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.
4. 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.
5. 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.
6. GRATE INLET TYPE 1 IS PER WSDOT STANDARD PLAN B-4b.
7. ALL STORM SEWER PIPE AND FITTINGS SHALL BE EITHER DUCTILE IRON CLASS 50 OR HIGH DENSITY POLY ETHYLENE (HDPE) THAT MEETS THE REQUIREMENTS OF AASHTO M 294 TYPE S OR D.
8. ALL POND SIDE SLOPES AND OTHER DISTURBED AREAS, EXCLUDING THE POND BOTTOM, SHALL BE SEEDED W/DRYLAND GRASS SEED MIX AS FOLLOWS:

DRYLAND SEED MIX REQUIREMENTS:

GRASS SEED : PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

- 10 PERCENT ELKA PERENNIAL RYE
- 15 PERCENT REUBENS CANADIAN BLUEGRASS
- 20 PERCENT DURAR HARD FESCUE
- 45 PERCENT COVAR/SHEEP SEED

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

- GRASS SEED: 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 THE WSDOT STANDARD SPECIFICATIONS, SEC. 8-01.

ITEM	NORTHING	EASTING
PB#1	6210.17	4408.80
PB#2	6111.29	4407.27
PB#3	6112.91	4302.84
PB#4	6130.17	4286.11
PB#5	6184.91	4286.96
PB#6	6212.18	4279.40
RD#1	6092.96	4427.96
RD#2	6078.97	4427.69
RD#3	6079.51	4392.47
RD#4	6093.51	4392.68
RD#5	6104.07	4300.16
RD#6	6090.16	4298.60
RD#7	6130.31	4277.11
RD#8	6130.52	4263.11
RD#9	6183.75	4277.94
RD#10	6183.97	4263.94
CF#1	6220.83	4430.53
CF#2	6110.48	4428.82
CF#3	6102.04	4418.22
CF#4	6079.51	4392.47
CF#5	6089.26	4261.47
CF#6	6223.42	4263.55

ABBREVIATIONS
PB=POND BOTTOM
RD=ACCESS ROAD
CF=CORNER OF FENCE

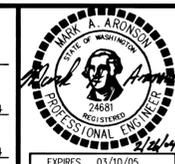
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No.	Date	By	Ckd.	Appr.	Revisions
1	2/04	DWC	GRG	MAA	PER COUNTY COMMENTS, DATED 2/12/04
2	2/04	DWC	GRG	MAA	PER COUNTY COMMENTS, DATED 2/23/04

Drawn	Date
CWD	1/28/04
Designed	
GRG	1/28/04
Checked	
MAA	1/28/04



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W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

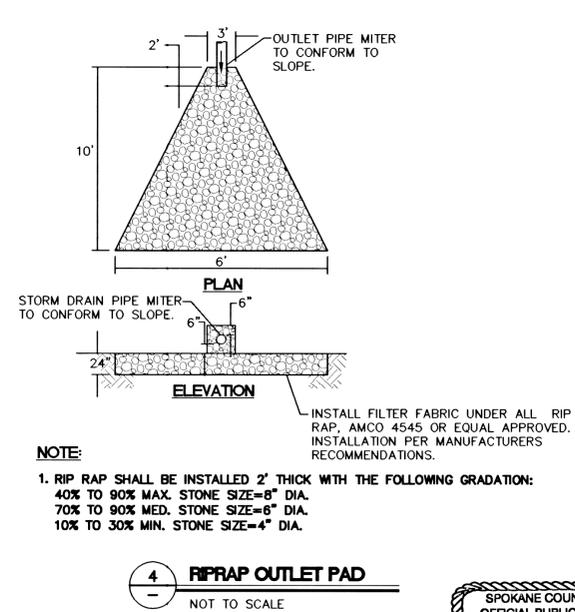
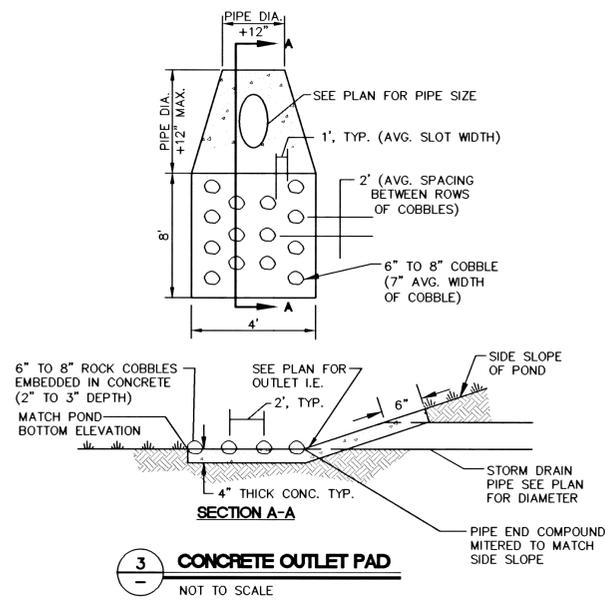
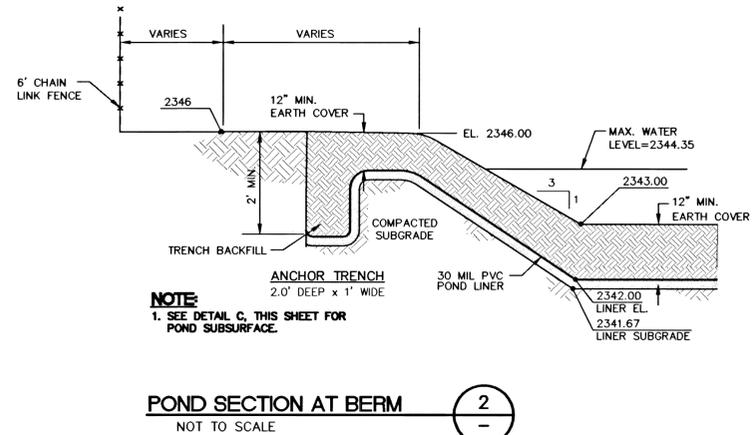
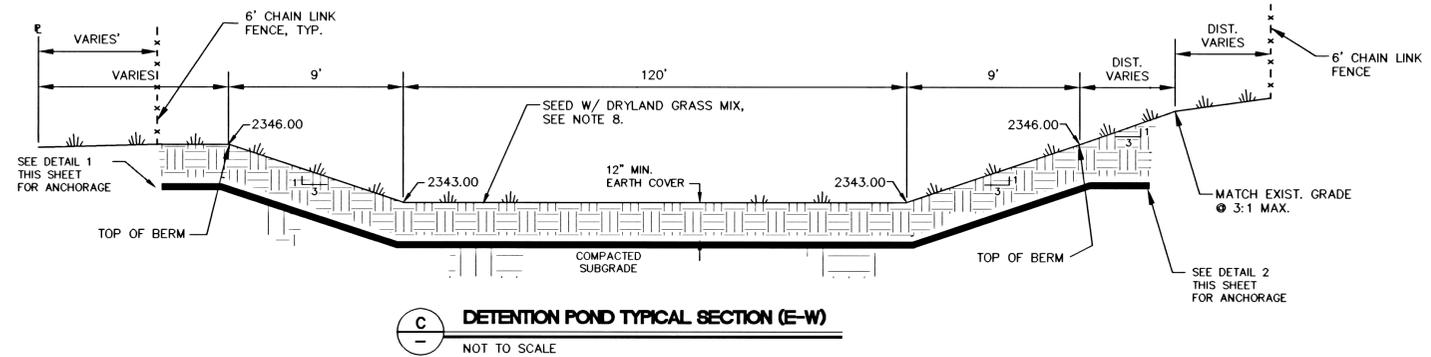
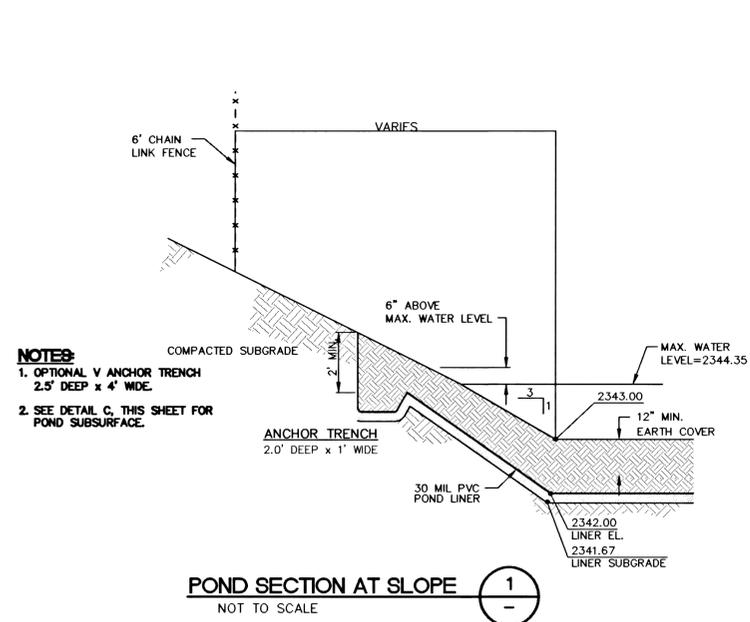
Developer's Approval: *Richard D. ...* Date 2-26-4

VERTICAL DATUM:	REBAR W/PC, L.S.#1909, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)
CADD FILE NAME:	03119SD15

SCALE
HORIZ. 1"=30'
VERT. 1"=10'

MORNINGSIDE HEIGHTS 4TH ADD.	STORM
STORM POND DETAIL SHEET	SHEET
	3
	5

MORNINGSIDE HEIGHTS 4TH ADDITION
S. 25, T.25N., R.44E., W.M.



UTILITY STATEMENT

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SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P11AD
DATE ACCEPTED: 02-27-04
ACCEPTANCE EXPIRES: 02-27-07
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.18 mi
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

1	2/04	DWC	GRG	MAA	PER COUNTY COMMENTS, DATED 2/12/04
Drawn					
Designed					
Checked					
No.	Date	By	Ckd.	Appr.	Revisions

Drawn	Date
KMA	1/28/04
Designed	
KMA	1/28/04
Checked	
MAA	1/28/04



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477-3604

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CADD FILE NAME: 03119SD25

SCALE
HORIZ 1"=30'
VERT 1"=10'

MORNINGSIDE HEIGHTS 4TH ADD.
STORM POND LINER DETAIL SHEET

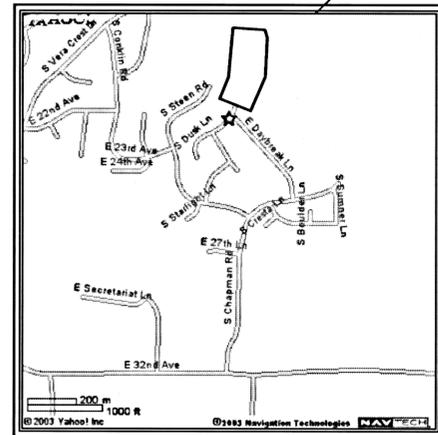
STORM SHEET
4
5

Developer's Approval: *Richard N. Johnson* president Date 2-26-4

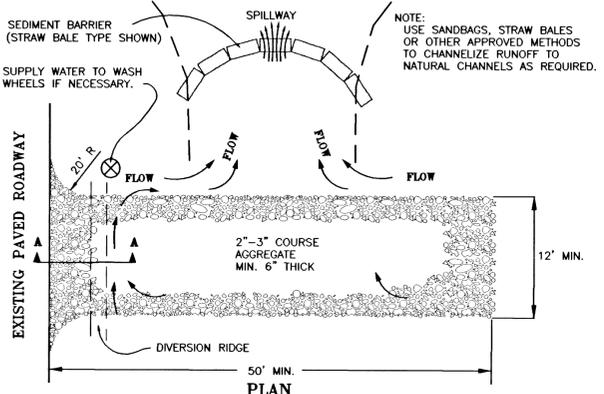
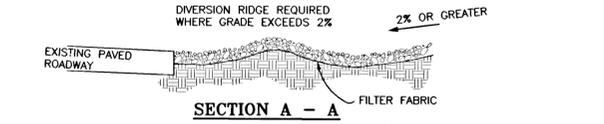
EROSION CONTROL NOTES:

1. AN EROSION/SEDIMENT 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 SPOKANE COUNTY, WHICHEVER IS LATER.
2. 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.
3. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATE 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.
4. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. ACCESS FOR CONSTRUCTION VEHICLES SHOULD BE LIMITED TO ONE ROUTE WHENEVER POSSIBLE. CONTROL FACILITIES WILL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED. SEE DETAIL 1, THIS SHEET.
5. CONTRACTOR TO PREVENT AGAINST SEDIMENTATION BY INSTALLING GEOTEXTILE FABRIC BETWEEN THE RIM AND GRATE 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.
6. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. CONTRACTOR IS RESPONSIBLE FOR SUPPRESSION OF DUST IN CONFORMANCE WITH SCAPC REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN AS A MINIMUM.
7. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. THE INTENT IS TO KEEP SEDIMENT ON THE PROJECT SITE AND NOT ALLOW IT TO REACH ADJACENT PROPERTIES, WATER BODIES, AND PUBLIC OR PRIVATE ROADS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PERMANENT AND DOWNSTREAM STORMWATER MANAGEMENT FACILITIES DURING CONSTRUCTION AND FOR CLEANING DRAINAGE AND EROSION CONTROL FACILITIES AS REQUIRED. STREETS SHALL BE KEPT CLEAN OF DEBRIS FROM TRAFFIC FROM THE SITE.
9. THE CONTRACTOR SHALL DESIGNATE AND POST A LOCATION FOR A SLURRY PIT WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT. SLURRY PITS SHALL NOT BE LOCATED IN NOR DRAIN INTO A SWALE, DRAINAGE AREA, STORMWATER FACILITY OR WATER BODY, EITHER EXISTING OR PROPOSED. HARDENED WASH CONCRETE SHALL BE BROKEN UP AND REMOVED FROM THE SITE.
10. CONTRACTOR SHALL IDENTIFY A LOCATION FOR STORAGE/STOCKPILE AREAS (WITHIN THE PROPOSED ESC PLAN BOUNDARIES) FOR ANY SOIL, EARTHEN AND LANDSCAPE MATERIAL THAT IS TO BE USED ON-SITE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMP'S DURING ALL LAND-DISTURBING ACTIVITIES. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL STRUCTURES AFTER EVERY RAINFALL EVENT, REMOVE DEBRIS AND SEDIMENT AND MAKE NEEDED REPAIRS.
12. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
13. CONTRACTOR SHALL FIELD IDENTIFY AND DELINEATE ALL CLEARING LIMITS, SENSITIVE/CRITICAL AREAS, BUFFERS, TREES TO BE PRESERVED AND DRAINAGE COURSES.
14. CONSTRUCTION OF ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF OTHER LAND DISTURBING ACTIVITIES.
15. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT RECEIVING PAVEMENT, GRAVEL, OR LANDSCAPE TREATMENT SHALL BE STABILIZED BY APPLICATION OF A HYDROSEED MIXTURE OF DRYLAND GRASS SEED.
16. EROSION CONTROL STRUCTURES BELOW SODDED OR RIP RAPPED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING IS IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDER AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVED AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
17. ALL TEMPORARY SEDIMENT CONTROL BMP'S SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED.
18. CONTRACTOR SHALL CONTROL ALL ON-SITE POLLUTANTS OTHER THAN SEDIMENT IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER OR GROUNDWATER.
19. THIS PLAN IS ONLY TO BE USED FOR INSTALLATION OF EROSION CONTROL FACILITIES. DO NOT USE THIS PLAN FOR GRADING OR STORM SEWER CONSTRUCTION.

PROJECT SITE

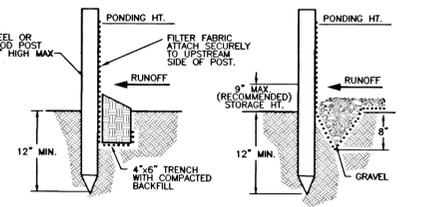
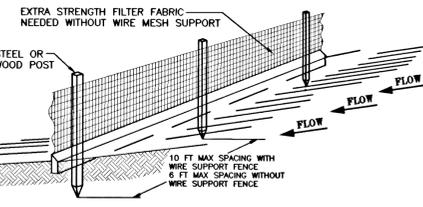


VICINITY MAP



NOTES:
 1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO EXIST. ASPHALT ROADWAYS.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION EXIT/ENTRANCE
 NOT TO SCALE



NOTE:
 1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE
 NOT TO SCALE

PROPERTY OWNER: SUMMIT PROPERTIES, INC. 12720 E. NORA, SUITE E SPOKANE, WA 99216-1197

PERMIT APPLICANT: SUMMIT PROPERTIES, INC. 12720 E. NORA, SUITE E SPOKANE, WA 99216-1197

CONTACT PERSON AT PROJECT SITE: RICH DAHM PHONE # (509) 928-5777

PROJECT ADDRESS: CONTINUATION OF DUSK LANE, NORTH OF CHAPMAN ROAD

PROJECT DESCRIPTION: CONTINUATION OF SINGLE FAMILY RESIDENTIAL DEVELOPMENT INCLUDING PRIVATE ASPHALT ROADS, SEWER AND WATER SYSTEMS

DESCRIPTION OF ESC MEASURES: ESC MEASURES INCLUDE SILT FENCES, GRAVEL CONSTRUCTION ENTRANCES, AND CONCRETE WASHOUT AREA.

DESCRIPTION OF EXISTING SITE VEGETATION: THE SITE IS COMPOSED OF FLAT TO ROLLING PASTURE LAND INCLUDING AREAS OF MEADOW GRASS.

LIST OF ON-SITE SOILS: ChB - CHENEY

LEGAL DESCRIPTION: SEE PLAT MAP.

SPOKANE COUNTY ENGINEERS OFFICE
 OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #: P1769 D
 DATE ACCEPTED: 02-27-04
 ACCEPTANCE EXPIRES: 02-27-07
 PROJECT LANE MILES PUBLIC: 0
 PROJECT LANE MILES PRIVATE: 0.16 mi
 CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED! (509) 477-3600
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

Developer's Approval *Richard J. Schmitz* President Date 2-26-4

UNDERGROUND SERVICE ALERT
 ONE-CALL NUMBER
1-800-424-5555
 CALL TWO BUSINESS DAYS BEFORE YOU DIG

PROFESSIONAL ENGINEER
 RICHARD J. SCHMITZ
 24681
 EXPIRES 03/10/05

THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN CONFORM TO THE REQUIREMENTS LISTED IN CHAPTER 4.5 OF THE APPLICABLE EDITIONS OF THE GUIDELINES FOR STORMWATER MANAGEMENT AS PUBLISHED BY THE SPOKANE COUNTY DIVISION OF ENGINEERING AND ROADS.

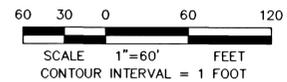
REVISIONS	
1.	PER SPOKANE COUNTY COMMENTS, DATED 2/12/04
1.	PER SPOKANE COUNTY COMMENTS, DATED 2/23/04

DWN: CWD DATE: 1/28/04
 CK'D: GRG DATE: 1/28/04

Taylor Engineering, Inc.
 Civil Design and Land Planning
 W. 106 Mission Ave.
 Spokane, Washington 99201
 (509) 328-3371 FAX (509) 328-8224

MORNINGSIDE HEIGHTS
 TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

SHEET
 SCALE: 1"=60'
 5 OF 5
 CAD FILE: 03119E0



S.25, T.25N., R.44E., W.M.

