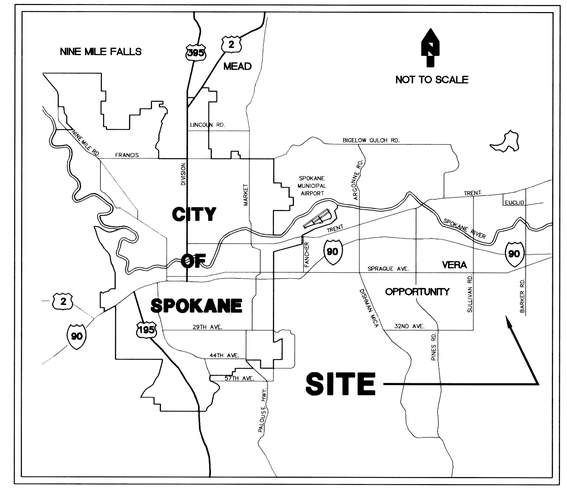
MORNINGSIDE PHASE IV

SPOKANE COUNTY, WASHINGTON

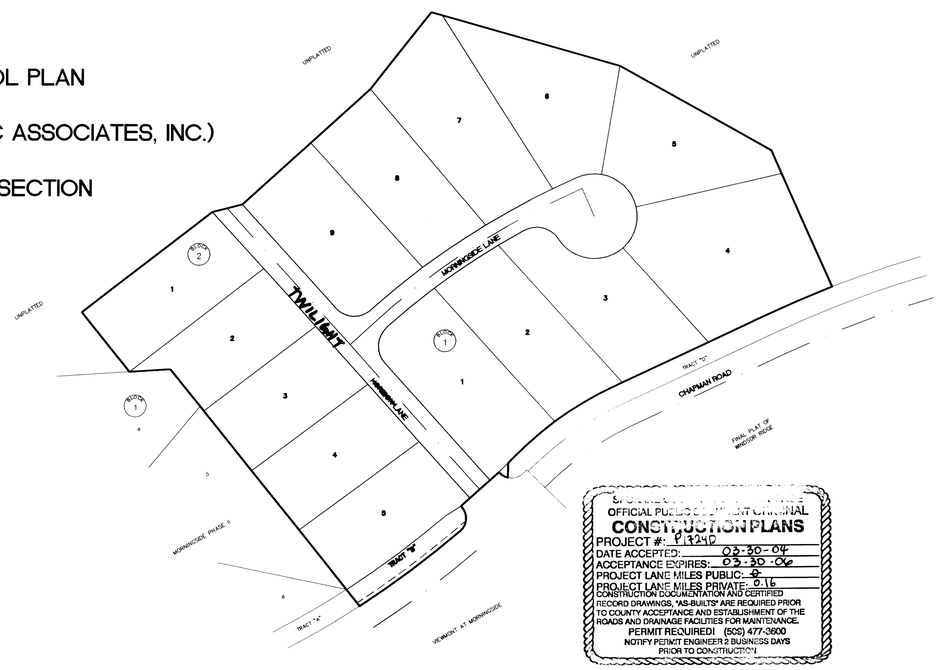
SECTION 30, T. 25N., R. 45E., W.M.



LOCATION MAP

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	~~HORIZION~~ TWILIGHT LANE STA. 10+00.00 TO STA. 14+98.64
3	MORNINGSIDE LANE STA. 10+00.00 TO CUL-DE-SAC
4	STORM SEWER PROFILE
5	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
6	CHAPMAN ROAD ASPHALT BIKE PATH (BY CLC ASSOCIATES, INC.)
7	CHAPMAN ROAD ASPHALT BIKE PATH CROSS SECTION (BY CLC ASSOCIATES, INC.)



OFFICIAL PUBLIC DEPARTMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1724D
DATE ACCEPTED: 03-30-04
ACCEPTANCE EXPIRES: 03-30-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.16
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

GENERAL NOTES:

1. ALL MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 2001", AS AMENDED, AND PER THE "2004 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).
2. THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF THE CONCRETE GUTTER.
3. 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.
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. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED DRAWINGS.
5. 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.
6. 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.
7. 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.
8. 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%.
9. 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.

LEGEND

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

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

No.	Date	By	Ckd.	Appr.	Revisions
1	2/5/04	GRG		MAA	COUNTY REVIEW COMMENTS, DATED 1/29/04

		Date
Drawn	GRG	1/6/04
Designed	GRG	1/6/04
Checked	MAA	1/6/04

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 2-10-04 — EXPIRES 03/10/05

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 Richard T. Bosch Date 2-9-04

VERTICAL DATUM: REBAR W/YPC, L.S.#1809, @ CENTERLINE OF CHAPMAN RD. 1207.6' 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 PHASE IV

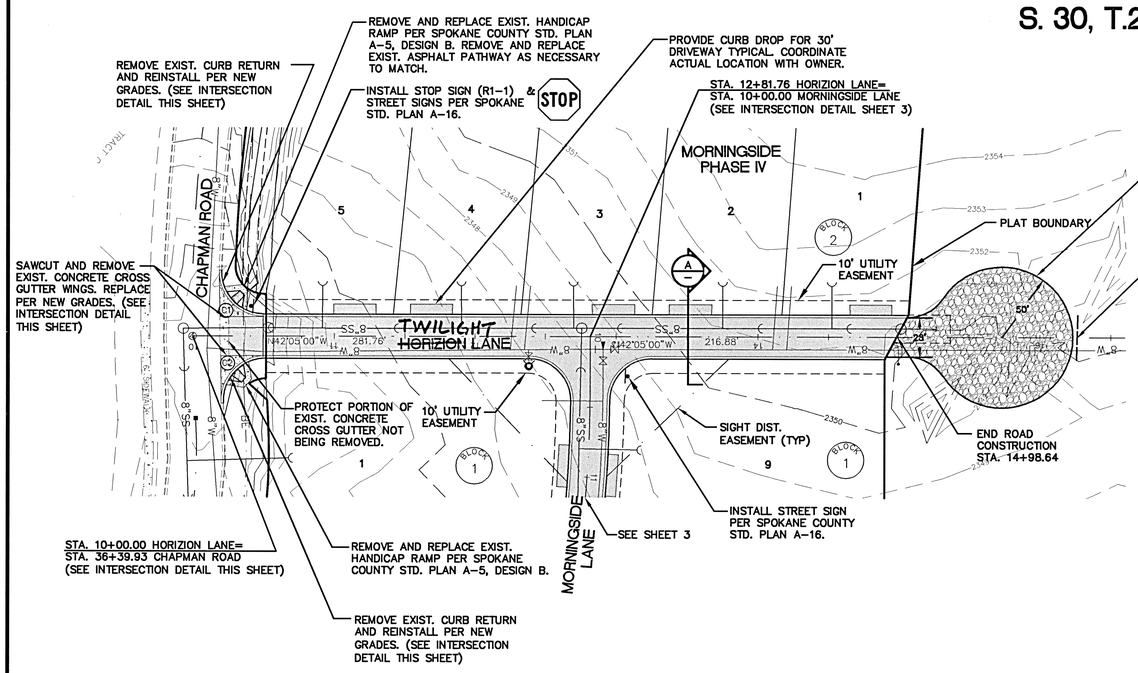
COVER SHEET

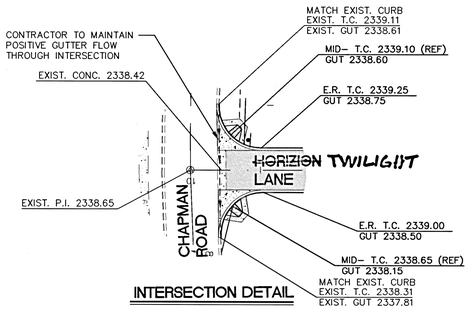
COVER SHEET 1/7

P-1724D Eng Road & Drainage

MORNINGSIDE PHASE IV

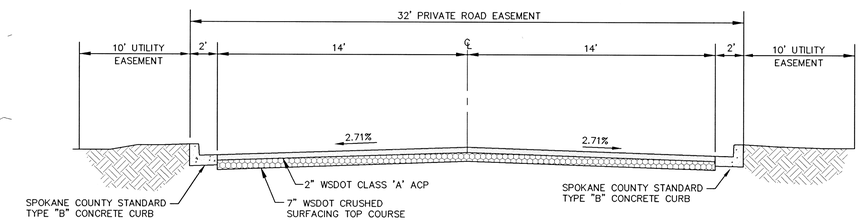
S. 30, T.25N., R.45E., W.M.





INTERSECTION DETAIL

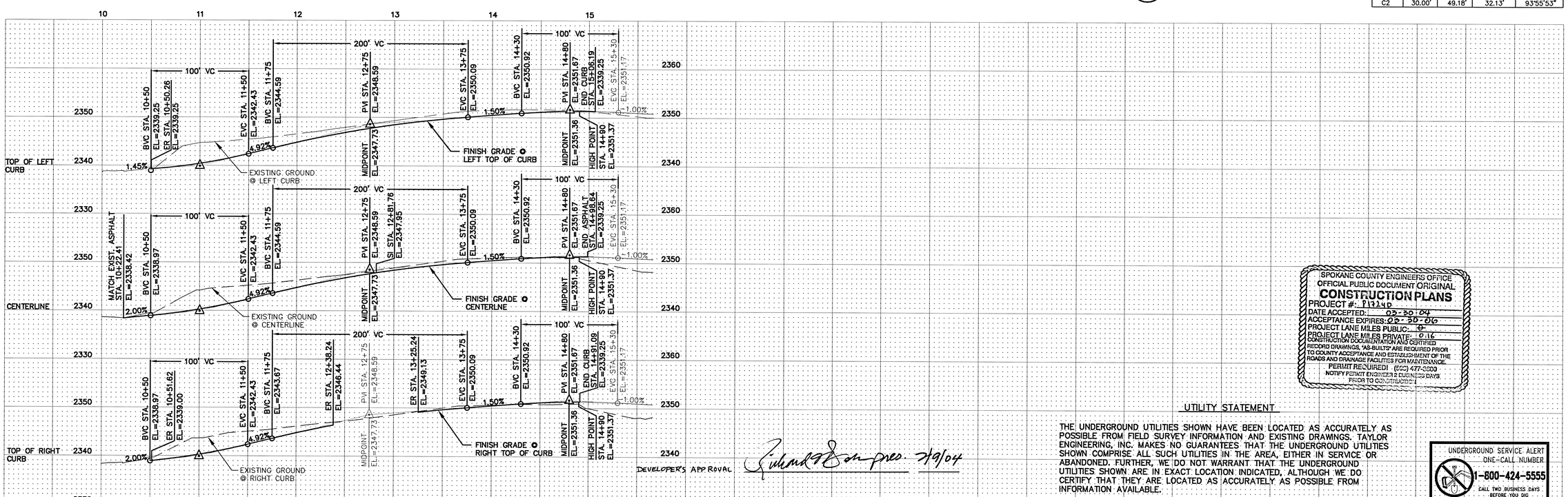
NORTH



TWILIGHT ~~HORIZION~~ LANE CROSS-SECTION (A/–)

N.T.S. STA. 10+00.00 TO STA. 14+98.64

CURB RETURN DATA – FACE OF CURB (THIS SHEET ONLY)				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00'	48.47'	31.38'	92°34'06"
C2	30.00'	49.18'	32.13'	93°55'53"



DEVELOPER'S APPROVAL Richard Bonpreo 2/9/04

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P17240
DATE ACCEPTED: 02-20-04
ACCEPTANCE EXPIRES: 02-20-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.16
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! (ECC) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION!

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.

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

No.	Date	By	Ckd.	Appr.	Revisions
1	2/5/04	GRG		MAA	COUNTY REVIEW COMMENTS, DATED 1/29/04

		Date
Drawn	GRG	1/6/04
Designed	GRG	1/6/04
Checked By	MAA	1/6/04

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER, 2/10/04, EXPIRES 03/10/05

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

Approved _____ Date _____

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Approved _____ Date _____

VERTICAL DATUM: REBAR W/YPC, L.S.#18509, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: PH-4 HORIZION LANE-ROAD

50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 1 FOOT

SCALE
HORIZ. 1"=50'
VERT. 1"=10'

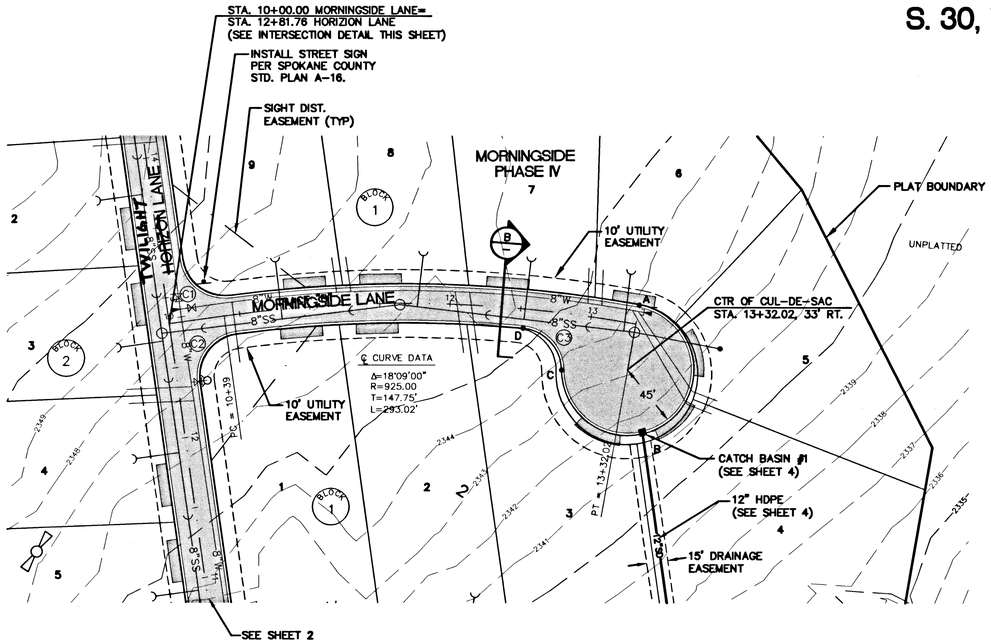
MORNINGSIDE PHASE IV

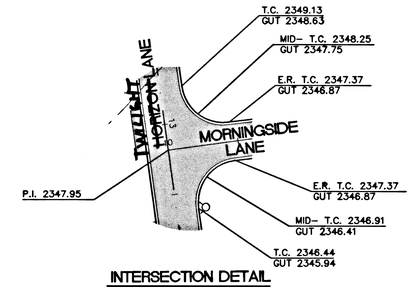
TWILIGHT ~~HORIZION~~ LANE
STA. 10+00.00 TO STA. 14+98.64

ROAD
SHEET 2 / 7

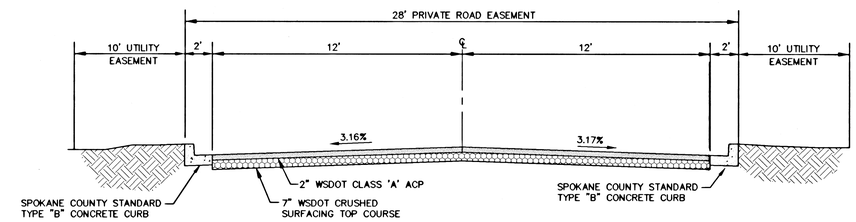
P-17240 Eng Road Drawing

MORNINGSIDE PHASE IV
S. 30, T.25N., R.45E., W.M.



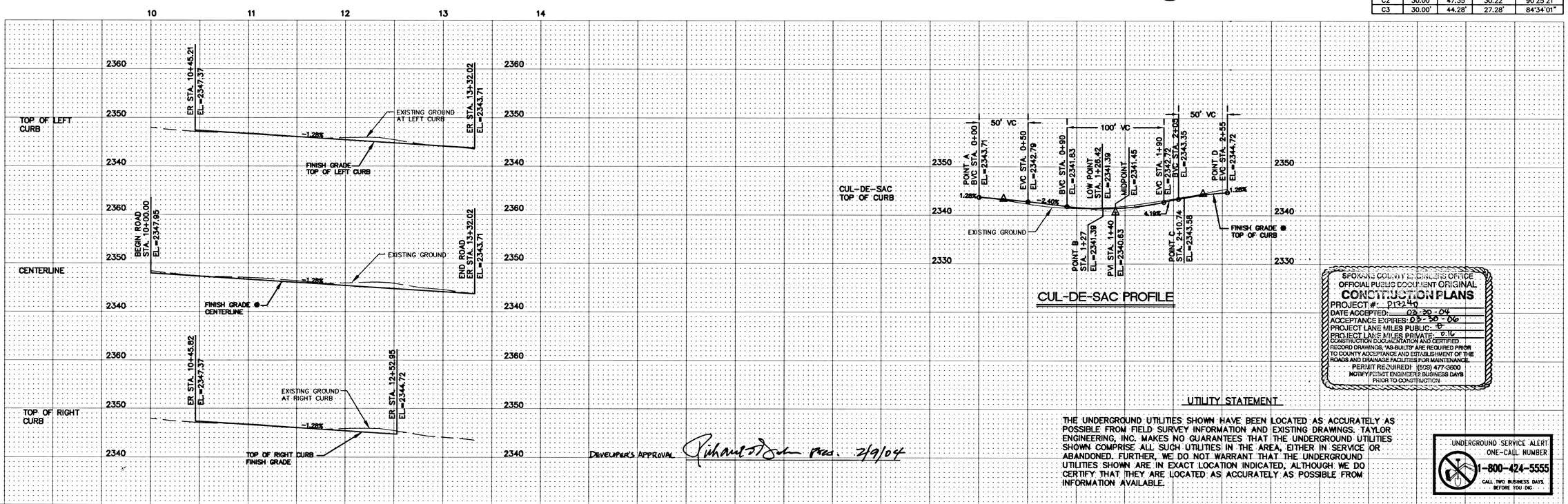


INTERSECTION DETAIL



MORNINGSIDE LANE CROSS-SECTION (B/–)
N.T.S. STA. 10+00.00 TO STA. 12+52.95

CURB RETURN DATA – FACE OF CURB (THIS SHEET ONLY)				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00'	46.92'	29.80'	89°36'56"
C2	30.00'	47.35'	30.22'	90°25'21"
C3	30.00'	44.28'	27.28'	84°34'01"



CUL-DE-SAC PROFILE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1324D
DATE ACCEPTED: 02-20-04
ACCEPTANCE EXPIRES: 03-30-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.16
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 Johnson Pres. 2/9/04

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.

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

No.	Date	By	Ckd.	Appr.	Revisions
1	2/5/04	GRG		MAA	COUNTY REVIEW COMMENTS, DATED 1/29/04

		Date
Drawn	GRG	10/24/03
Designed	GRG	1/6/04
Checked By County	MAA	1/6/04

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER, 2/10/04, EXPIRES 03/10/05

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

Approved _____ Date _____

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Approved _____ Date _____

VERTICAL DATUM: REBAR W/YPC, L.S.#15809, @ CENTERLINE OF CHAPMAN RD. 120'± EAST OF THE INTERSECTION OF DAYBREAK LANE AND CHAPMAN RD. EL = 2341.84 (NAVD 88)

CADD FILE NAME: PH-4 MORNINGSIDE LANE-ROAD

50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 1 FOOT

SCALE
HORIZ 1"=50'
VERT. 1"=10'

MORNINGSIDE PHASE IV

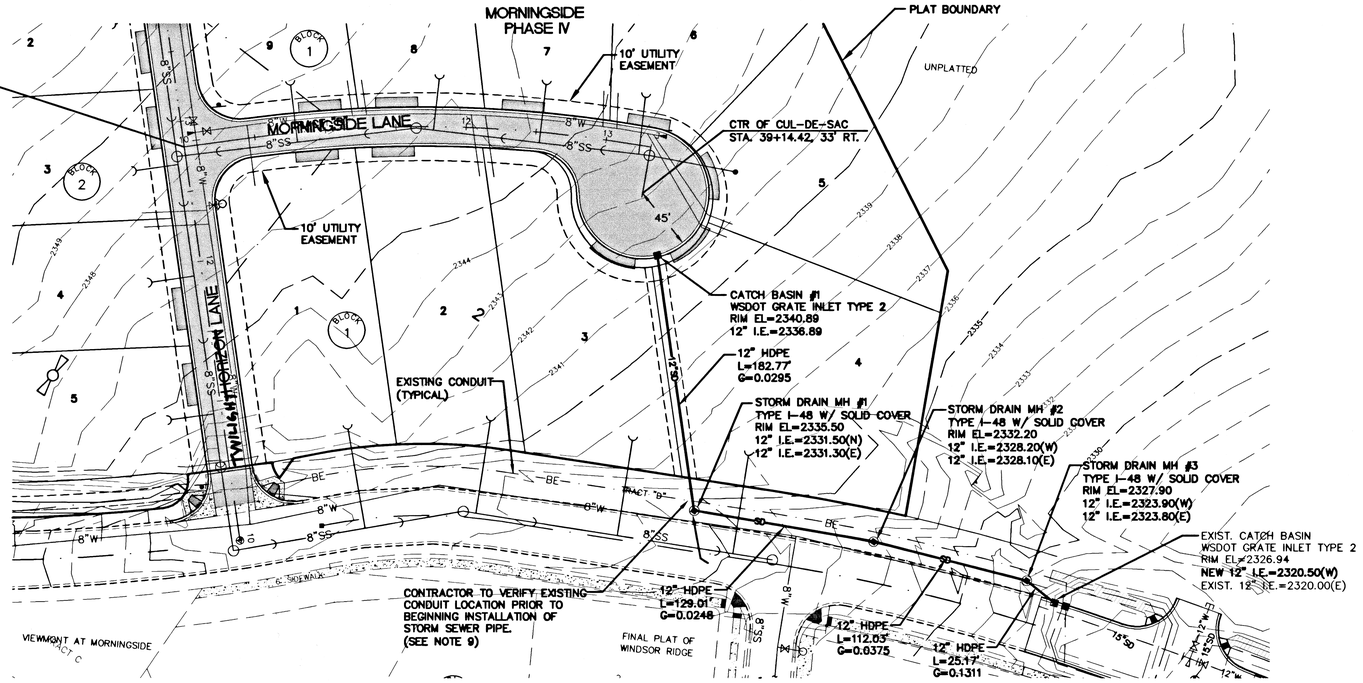
MORNINGSIDE LANE
STA. 10+00.00 TO CUL-DE-SAC

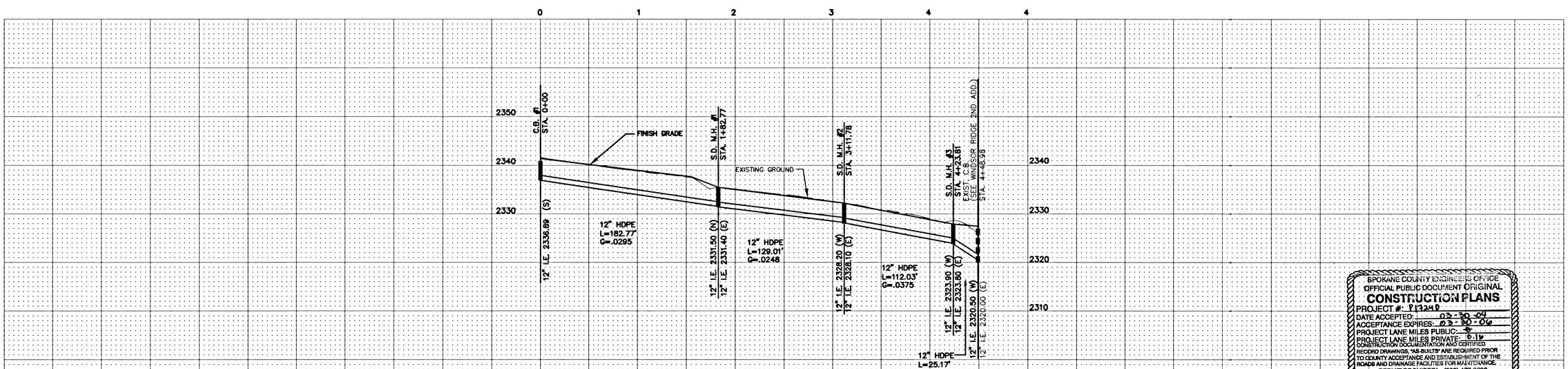
(TYPE)
SHEET 3 / 7

P-17241D Eng/Road/Drainage

MORNINGSIDE PHASE IV

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





STORM DRAIN PROFILE

NORTH

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" 2001, 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.
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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. MANHOLE TYPE I-48 IS PER SPOKANE COUNTY STANDARD PLAN NO. U-2 WITH RING AND COVER PER SPOKANE COUNTY STANDARD PLAN U-14.
7. GRATE INLET TYPE 2 IS PER WSDOT STANDARD PLAN B-4c.
8. ALL STORM SEWER PIPE AND FITTINGS SHALL BE HIGH DENSITY POLY ETHYLENE (HDPE) AND MEET THE REQUIREMENTS OF AASHTO M 294 TYPE S OR D.
9. CONTRACTOR SHALL VERIFY EXISTING CONDUIT LOCATION PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE EXISTING CONDUIT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF VERA WATER AND POWER.

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-17240
DATE ACCEPTED: 03-30-04
ACCEPTANCE EXPIRES: 03-30-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.19
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) 477-3900
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

UTILITY STATEMENT

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DEVELOPER'S APPROVAL Richard O. Bain Pres. 2/9/04

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No.	Date	By	Ckd.	Appr.	Revisions
1	2/5/04	GRG		MAA	COUNTY REVIEW COMMENTS, DATED 1/29/04

Drawn	GRG	1/6/04
Designed	GRG	1/6/04
Checked By	MAA	1/6/04

MARK A. ARDISON, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER 24681, 2/10/04, EXPIRES 03/10/05

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

Approved _____ Date _____

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF UTILITIES
W. 1026 Broadway Ave.
Spokane Wa. 99260
477-3604

Approved _____ Date _____

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

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50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 1 FOOT

SCALE
HORIZ. 1"=50'
VERT. 1"=10'

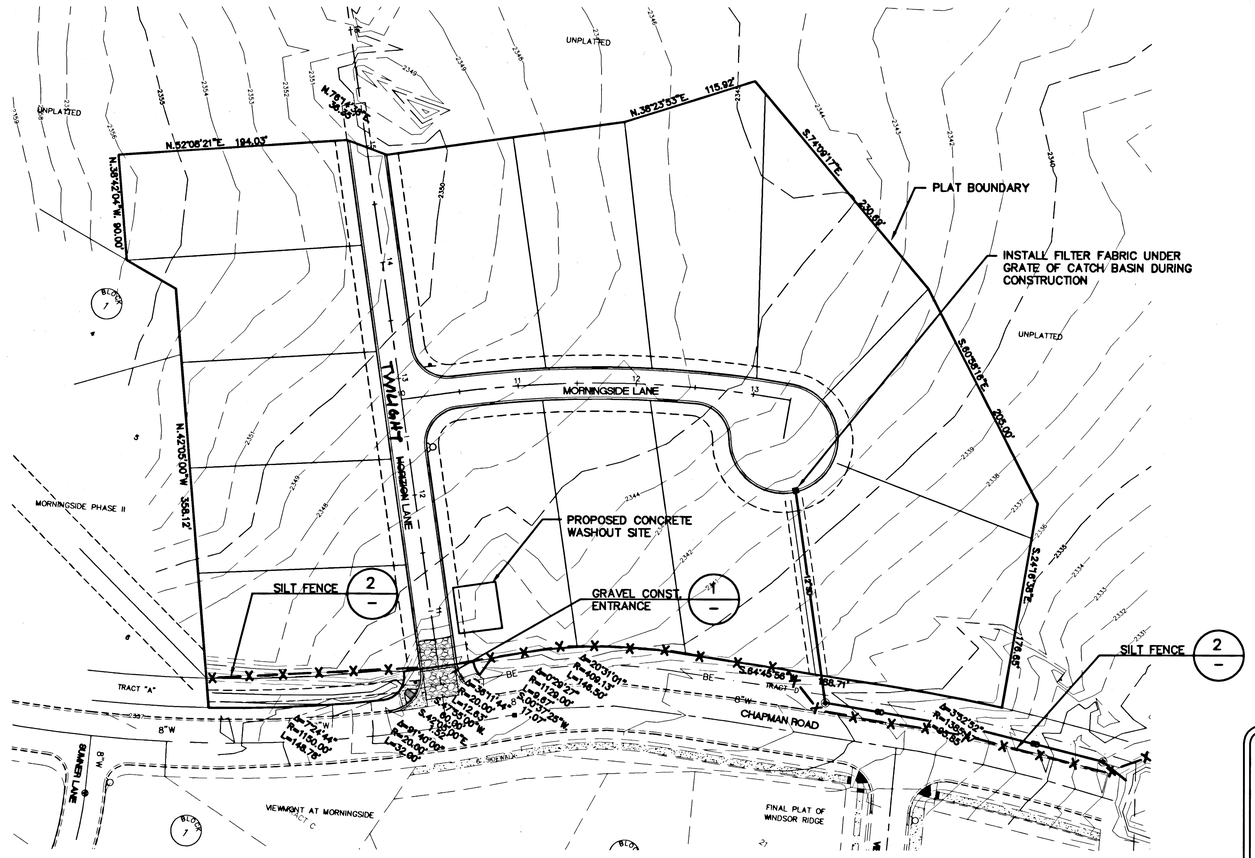
MORNINGSIDE PHASE IV

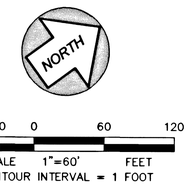
STORM SEWER PROFILE
CUL-DE-SAC TO CHAPMAN ROAD

STORM SHEET 4 / 7

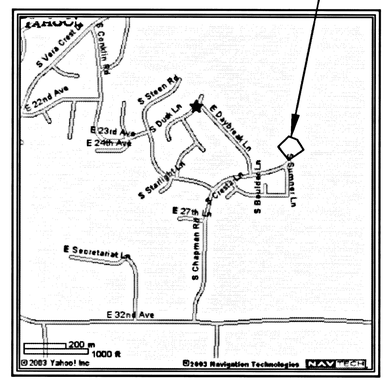
P-17240 Eng Roads Drainage

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





PROJECT SITE



VICINITY MAP

PROPERTY OWNER:	SUMMIT PROPERTIES, INC.
PERMIT APPLICANT:	SUMMIT PROPERTIES, INC.
CONTACT PERSON AT PROJECT SITE:	RICH DAHM
PROJECT ADDRESS:	CHAPMAN ROAD AND HORIZION LANE
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:	BsB– BONG AND PHOEBE LOAMY SANDS
LEGAL DESCRIPTION:	SEE PLAT MAP.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1724D
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PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.14
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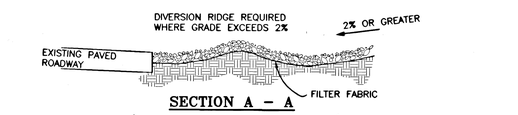
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

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

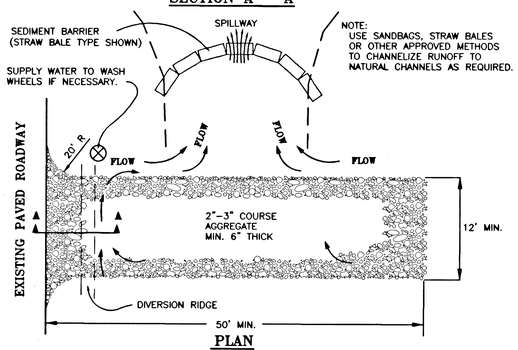
Developer's Approval Richard Dahm pres. Date 2-9-04

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 SCAPCA 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 SEEDED 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.



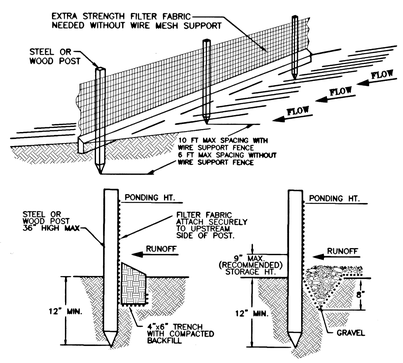
SECTION A – A



PLAN

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 (1 / –)
NOT TO SCALE



STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

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 (2 / –)
NOT TO SCALE

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 2/10/04
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. COUNTY REVIEW COMMENTS, DATED 1/29/04

DWN: CWD DATE: 1/6/04
CK'D: – DATE: –

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

SCALE: 1"=60'

SHEET 5 OF 7

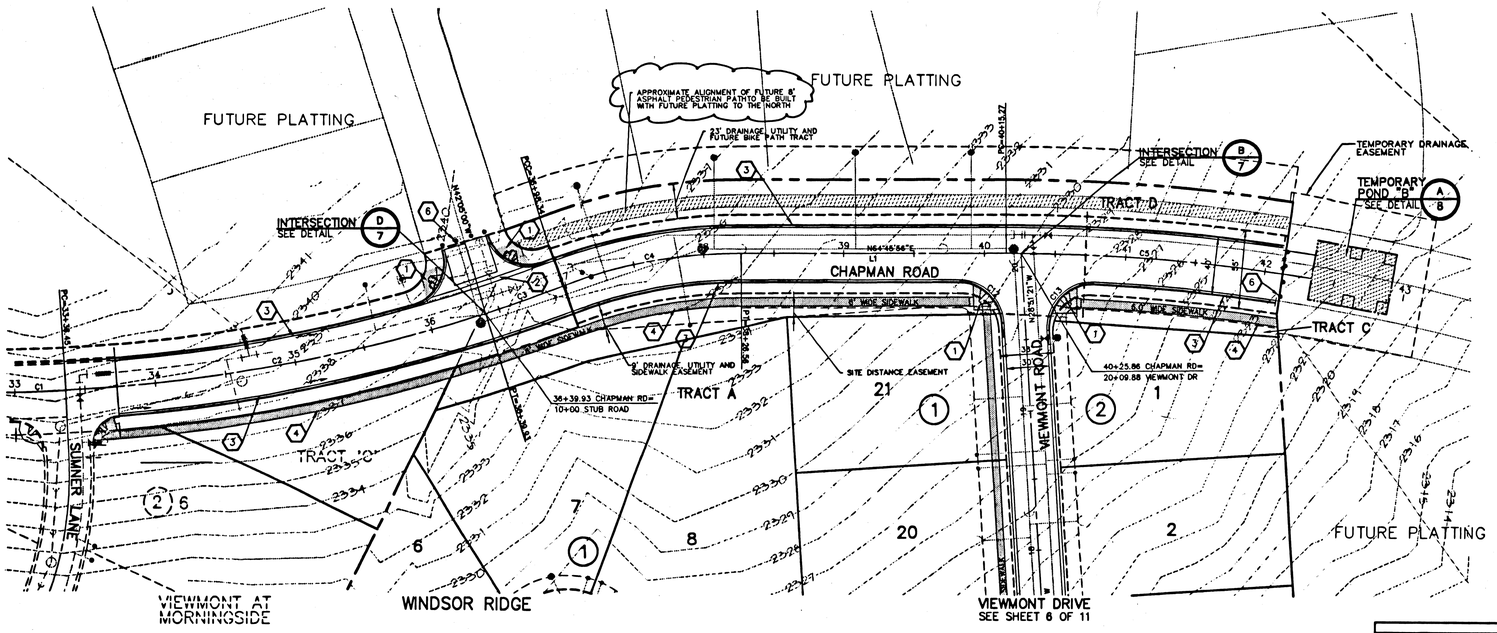
MORNINGSIDE PHASE IV
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

MORNINGSIDE PHASE IV

CADD FILE: 03020ERO

P-1724D Eng. Road & Drainage

SEC. 30, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON



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

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN B.
2. CONSTRUCT TYPE "1", CONCRETE CROSS GUTTER PER SPOKANE COUNTY STANDARD PLAN B-18.
3. CONSTRUCT TYPE "B" CURB AND GUTTER PER SPOKANE COUNTY STANDARD PLAN A-3
4. CONSTRUCT CONCRETE SIDEWALK PER ROAD SECTION "G", SHEET 7.
5. NOT USED.
6. INSTALL FLEXIBLE GUIDE POSTS (GROUND MOUNT) AT 5' SPACING MINIMUM FOR ENTIRE ROAD WIDTH. SEE WSDOT STANDARD PLAN H-1.
7. NOT USED.

LINE TABLE

LINE	BEARING	LENGTH
L1	N64°45'56"E	188.71'

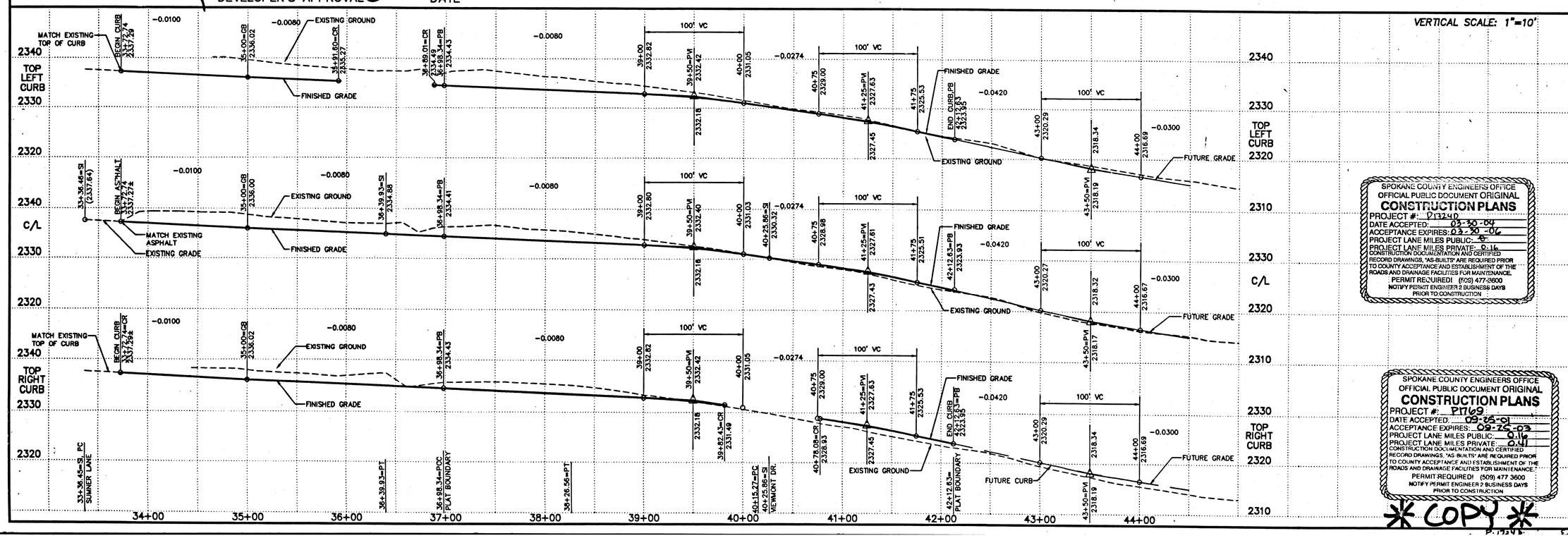
CURVE TABLE

CURVE	RADIUS		CHORD BRG	CHORD	DELTA
*C1	1180.00'		N67°35'03"E	237.03'	11°31'43"
*C2	1180.00'		N54°27'08"E	302.63'	14°44'06"
*C3	1180.00'	58.41'	N45°40'00"E	58.40'	2°50'09"
*C4	358.11'	128.24'	S54°30'26"W	127.55'	20°31'01"
*C5	1334.46'	197.36'	S69°00'09"W	197.18'	8°28'26"
C10	30.00'	48.06'	S87°58'38"E	43.08'	91°47'15"
C11	30.01'	47.91'	N03°40'26"E	42.98'	91°29'31"

* RADIUS MEASURED FROM FLOWLINE OF TYPE "B" CURB.

COUNTY DATUM
PROJECT T.B.M. - P.K. NAIL IN ROCK OUTCROPPING ELEV=2369.64 (SEE COVER SHEET FOR LOCATION)

DEVELOPER'S APPROVAL DATE 9/24/01



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P13240
DATE ACCEPTED: 03-30-04
ACCEPTANCE EXPIRES: 03-30-06
PROJECT LANE MILES PUBLIC: 0
PROJECT LANE MILES PRIVATE: 0.16
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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769
DATE ACCEPTED: 09-25-01
ACCEPTANCE EXPIRES: 09-25-03
PROJECT LANE MILES PUBLIC: 0.16
PROJECT LANE MILES PRIVATE: 0.41
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

COPY

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, WA 99204
Phone: (509) 458-8840
Fax: (509) 458-8844

SCOTT A. RIVAS
STATE OF WASHINGTON
36605
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 01/26/02

PREPARED UNDER THE DIRECT SUPERVISION OF SCOTT A. RIVAS, P.E. WASHINGTON REGISTRATION NO. 36605 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
05/16/01	COUNTY SUBMITTAL
08/01/01	COUNTY RESUBMITTAL
09/24/01	W/LJARS

Project Number: S980320
CLC Job Number: XX-XXX
Drawn By: EMT/JCR
Designed By: EMT/JCR
Checked By: SAR

THESE PLANS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROTECTED BY COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS INCLUDING COPYRIGHT. THEY MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF C.L.C. ASSOCIATES, INC. (AN AFFILIATE OF COLORADO LAND CONSULTANTS, INC.)

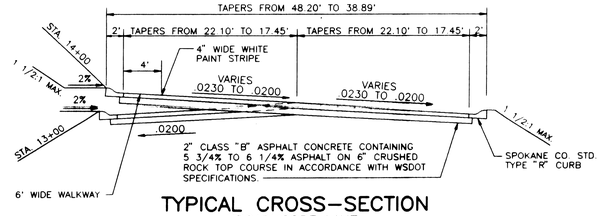
STREET CONSTRUCTION PLANS
WINDSOR RIDGE
CHAPMAN ROAD
STA. 33+72.73 TO STA. 42+12.63
SPOKANE COUNTY, WASHINGTON

6/7

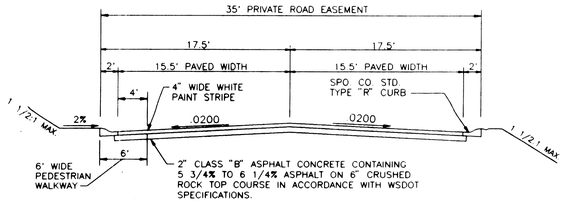
Sheet Title
STREET PLAN AND PROFILE

Sheet Number
2 OF 10

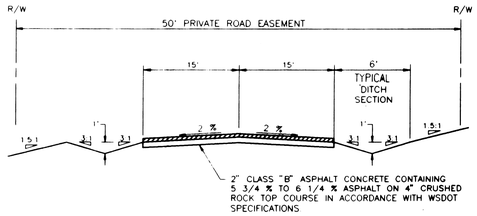
CALL BEFORE YOU DIG 456-8000



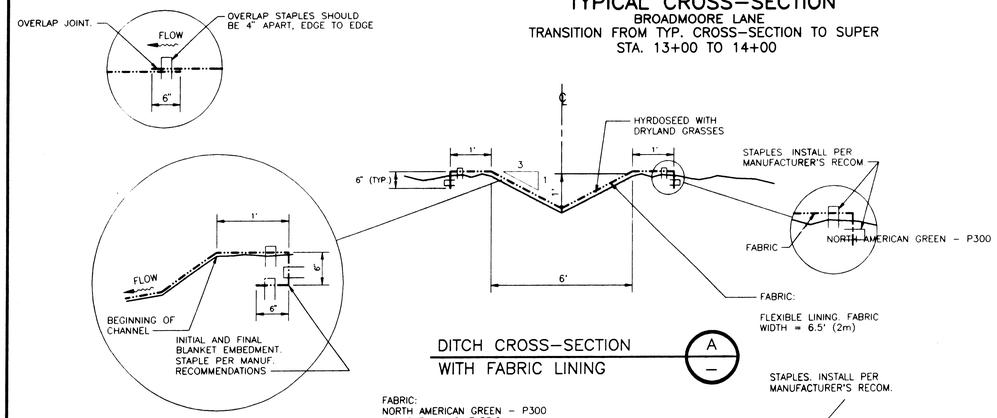
TYPICAL CROSS-SECTION
BROADMOORE LANE
TRANSITION FROM TYP. CROSS-SECTION TO SUPER
STA. 13+00 TO 14+00



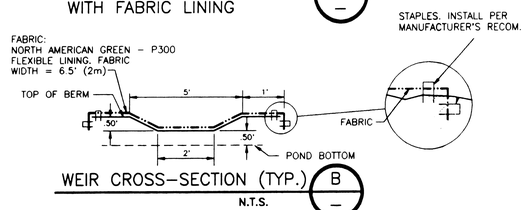
TYPICAL CROSS-SECTION
BOULDER LANE
SUMNER LANE
CRESTA LANE



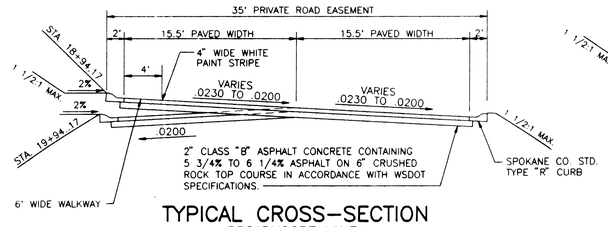
TYPICAL CROSS-SECTION
DAYBREAK LANE



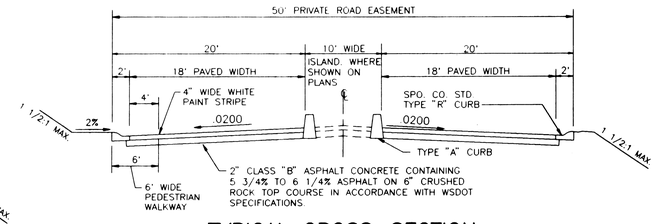
DITCH CROSS-SECTION WITH FABRIC LINING (A)



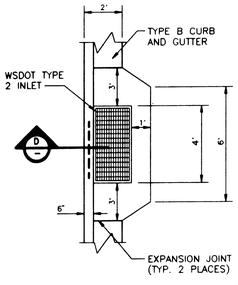
WEIR CROSS-SECTION (TYP.) (B)
N.T.S.



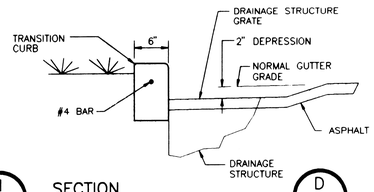
TYPICAL CROSS-SECTION
BROADMOORE LANE
TRANSITION FROM SUPER TO TYP. CROSS-SECTION
STA. 18+94.17 TO 19+94.17



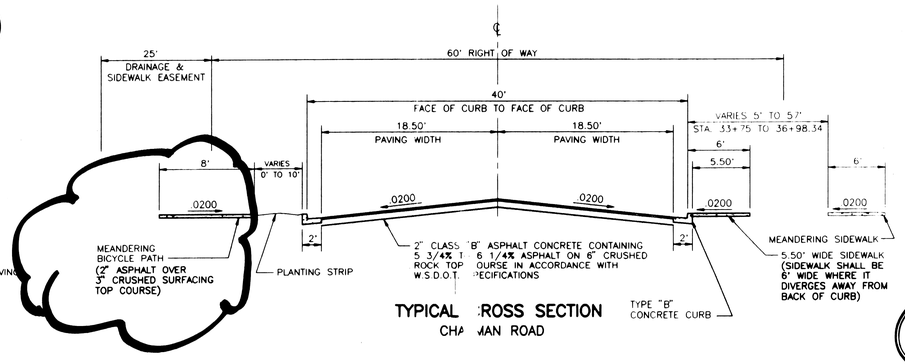
TYPICAL CROSS-SECTION
BROADMOORE LANE
STA. 10+42 TO 11+56



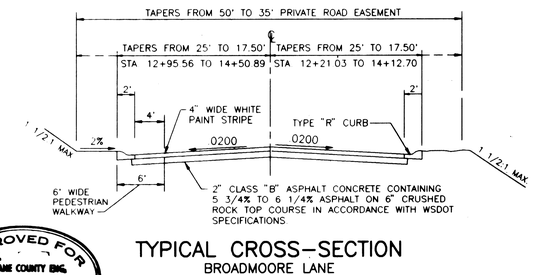
TYPE "B" CURB TRANSITION DETAIL (1)
NOT TO SCALE



SECTION (D)
NOT TO SCALE



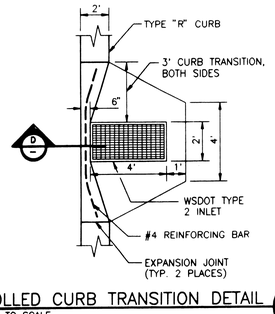
TYPICAL CROSS SECTION
CHAPMAN ROAD



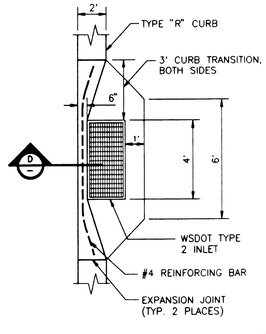
TYPICAL CROSS-SECTION
BROADMOORE LANE
STA. 11+56 TO 13+00

APPROVED FOR CONSTRUCTION
SPOKANE COUNTY ENG.
BY Dan Fraser P.E.
4-4-1996
P-1724A

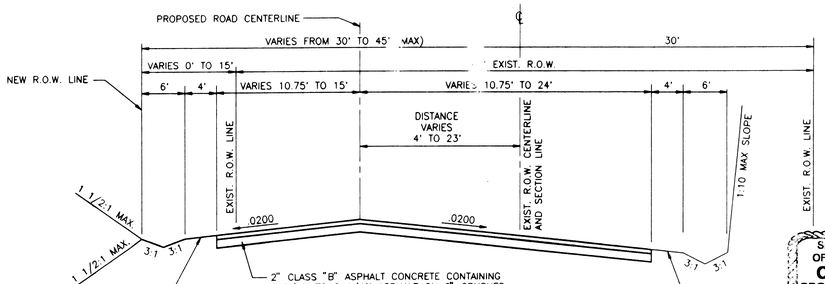
PERMIT REQUIRED!
NOTIFY THE PERMIT ENGINEER
456-3600
24 HRS. PRIOR TO CONSTRUCTION



ROLLED CURB TRANSITION DETAIL (2)
NOT TO SCALE

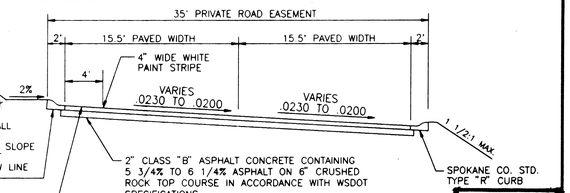


ROLLED CURB TRANSITION DETAIL (3)
NOT TO SCALE



TYPICAL CROSS SECTION
32nd AVENUE

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1724D
DATE ACCEPTED: 03-30-04
ACCEPTANCE EXPIRES: 03-30-06
PROJECT LANE MILES PUBLIC: .38
PROJECT LANE MILES PRIVATE: 0.16
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS MUST BE ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE FOR OWNERSHIP, MAINTENANCE OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT ENGINEER: 456-3600
NOTIFY 24 HRS. PRIOR TO CONSTRUCTION



TYPICAL CROSS-SECTION
BROADMOORE LANE
STA. 14+00 TO 18+94.17

DEVELOPER'S APPROVAL

11/7/95
DATE

P-1724D Engineer's Drawings

7/7

NO.	DATE	BY	REVISIONS

DATE 11/04/95
DRAWN BY: JFC.SKM
DESIGNED BY: TRW
CHECKED BY: TRW

SCALE:
HORIZONTAL: N.T.S.
VERTICAL: N.T.S.

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 Spokane, WA 99204
(509) 458-6840 FAX: (509) 458-6844

VIEWMONT AT MORNINGSIDE
STREET
CROSS-SECTIONS

SHEET 15 OF 16
JOB NUMBER 94313

94313\SECTIONS