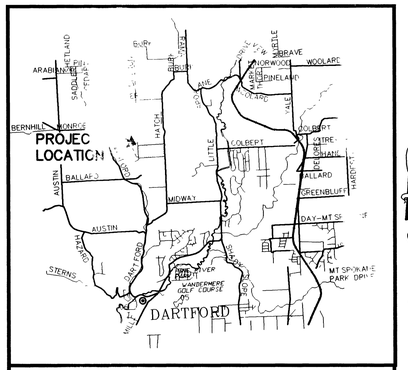
WESTWOOD NORTH FIRST ADDITION

LOCATED IN SEC. 20, T. 27 N., R 43 E. WM
SPOKANE COUNTY, WASHINGTON



VICINITY MAP

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LEGEND

EXISTING | GENERAL | PROPOSED

- ROADWAY CENTER LINE
- RIGHT OF WAY LINE
- PROPERTY LINE
- EASEMENT LINE
- CURB
- PAVEMENT
- PLAT BOUNDARY

STORM DRAINAGE

- DRAINAGE LINE
- DW — DRYWELL
- CB — CATCH BASIN
- DITCH

SANITARY SEWER

- SANITARY SEWER
- MANHOLE
- CLEANOUT
- SEWER SERVICE

WATER

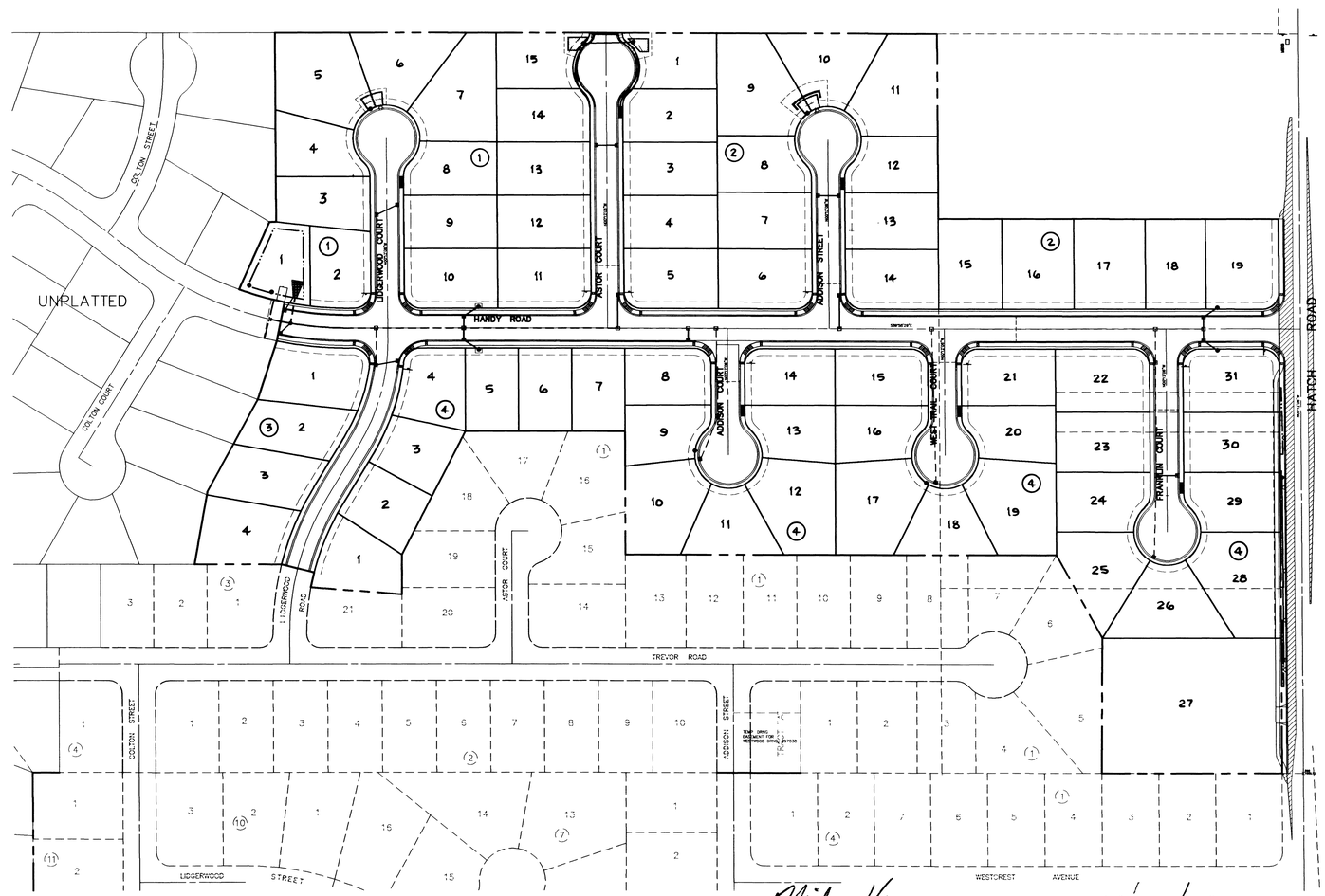
- WATER LINE
- V — VALVE
- FH — FIRE HYDRANT
- WS — SERVICE
- BLOWOFF — BLOWOFF

COUNTY DATUM
RR SPIKE IN W FACE OF PP
28' E OF C/L OF HATCH RD
61' N OF S PLAT BOUNDARY
WESTWOOD ESTATES #2
EL =1943 71

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000

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

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: 0.72
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION CERTIFICATE REQUIRED
RECORD DRAWINGS "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND/OR ISSUANCE OF ROADS AND DRAINAGE FACILITIES MAINTENANCE PERMIT REQUIRED
TRM
KC
S



THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO 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.

Mike Hume
DEVELOPER'S APPROVAL

10/25/00
DATE

NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 1995", AND AS AMENDED
2. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTIONS PERMIT ON SITE AT ALL TIMES THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT
3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE ACCEPTED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS
4. 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
5. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000, BEFORE YOU DIG
6. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THEY SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, CLC ASSOCIATES, NELSON OGREN @ 458-6840, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, STI NORTHWEST, BRUCE HOWARD @ 534-9711, AND THE SPOKANE COUNTY ENGINEER'S OFFICE @ 477-3600
7. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC "AMOCO" 4545 OR APPROVED EQUIVALENT, BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK, AND BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS. SEE SPOKANE COUNTY STANDARD DETAILS B-1 AND B-1A
8. THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC BETWEEN THE RIM AND GRATE FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER A DRYWELL OR CATCH BASIN, THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER
9. ALL DRYWELL CONNECTION PIPES SHALL BE PLACED BELOW THE DRYWELL CONCRETE CAP AND SHALL FLOW AS DIRECTED IN THE PLANS
10. ALL CURB DROP INLETS ARE TO HAVE A 2" DEPRESSION PER FIGURE 48, PAGE 6-84 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT ALL GUTTER INLETS SHALL BE CONSTRUCTED PER STANDARD DETAIL B-18
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT MUD, AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF THE CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON A "AS NEEDED" BASIS USING WATER UNDER PRESSURE SWEEPING AND WATER SHALL BE USED WHEN WATER PRESSURE ALONE WILL NOT WASH THE CONSTRUCTION DEBRIS FROM THE STREET
12. FOR AREAS WITH GRADE LESS THAN 0.8% (0.0080 FT/FT), A WASHINGTON STATE PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR
13. 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-GUTTER SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF THE CONCRETE GUTTER
14. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE AND THE SIDESTEPS OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEED THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR
15. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
16. ALL STORM DRAIN PIPES TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
Spokane, Washington
(509) 458-6840
(509) 435-6844

JOHN FRANK SAYWERS, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number	99193
CLC Job Number	99193
Drawn By	JME
Designed By	NWO
Checked By	JFS

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STREET PLANS
WESTWOOD NORTH FIRST ADDITION
COVER SHEET

Sheet Title
STREET PLANS

1 OF 15
Sheet Number

P-1709A Eng. Road & Drainage

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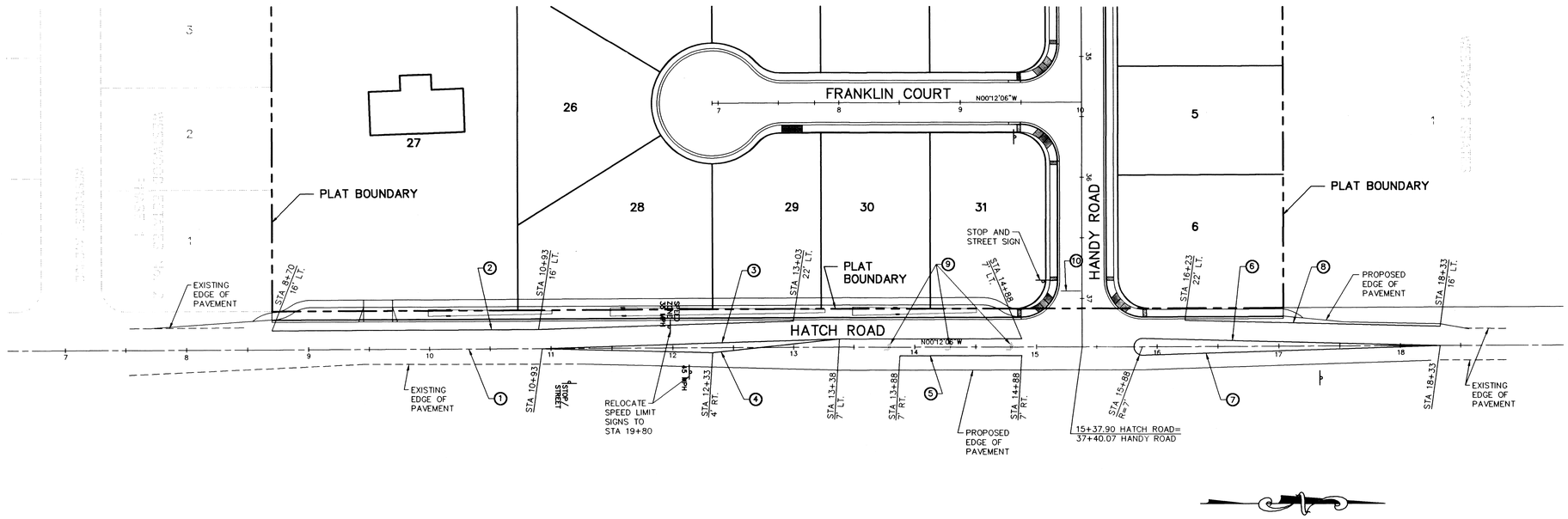
SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

COUNTY DATUM
RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
WESTWOOD ESTATES #2
EL =1943.71

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



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

STRIPING NOTES

1. 4" DOUBLE YELLOW STRIPE.
   STA 8+70 TO 10+93.
2. 4" WHITE FOG LINE.
   STA 8+70, 16' LT TO 10+93, 16' LT TO 13+03, 22' LT.
3. 4" DOUBLE YELLOW STRIPE.
   STA 10+93 TO 13+38, 7' LT TO 14+88, 7' LT.
4. 4" DOUBLE YELLOW STRIPE.
   STA 10+93 TO 12+33, 4' RT TO 13+38, 7' LT.
5. 8" WHITE GORE STRIPE.
   STA 13+88, 7' RT TO 14+88, 7' RT.
6. 4" DOUBLE YELLOW STRIPE.
   STA 15+88, 7' LT. TO 18+33.
7. 4" DOUBLE YELLOW STRIPE.
   STA 15+88, 7' RT. TO 18+33.
8. 4" WHITE FOG LINE.
   STA 16+23, 22' LT TO 18+33, 16' LT.
9. LEFT TURN ARROWS (3 PLACES).
   STA 13+78, STA 14+28, AND STA 14+78.
10. 12" WHITE STOP BAR.
    STA 36+95, RT (HANDY ROAD).

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: .32
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, WHEN 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

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

JOHN FRANK SAYMES
STATE OF WASHINGTON
36212
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN FR. SAYMES, P.E.
WASHINGTON REGISTRATION
NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

Date	Description
12/02/99	ORIGINAL PREPARATION

Project Number:	99193
IPE Job Number:	99193
Drawn By:	TTB,SMM
Designed By:	NWO
Checked By:	TRW

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STREET PLANS
WESTWOOD NORTH FIRST ADDITION
HATCH ROAD CHANNELIZATION

Sheet Title
STREET PLANS

1 OF 1
Sheet Number

P-1709A Eng-Road & Drainage

J:\Land Projects\99193\dwg\CHAN.dwg, 10/25/00 08:49:15 PM, JME

COUNTY DATUM
RR SPIKE FND. IN W. FACE OF P.P. 28' E. OF C/L OF HATCH RD. 61' N. OF S. LINE OF SECTION 20 (PER WESTWOOD ESTATES NO. 2, PH. I) ELEV.=1943.7'

WESTWOOD NORTH FIRST ADDITION

LOCATED IN SEC. 20, T. 27 N., R 43 E. WM
SPOKANE COUNTY, WASHINGTON

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

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Planning
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Phone: (509) 458-6840
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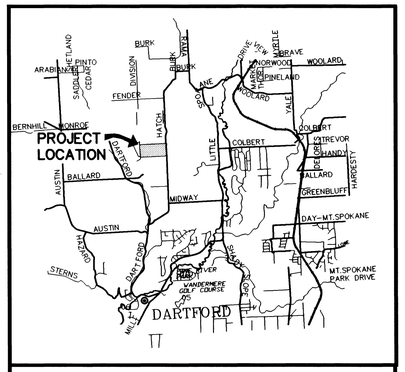
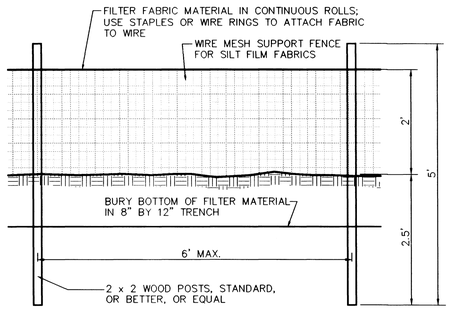
JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

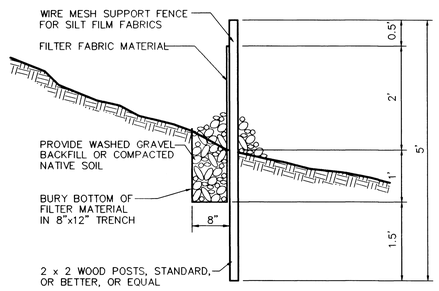
PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.



VICINITY MAP

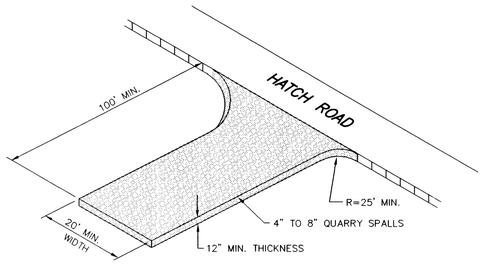


ELEVATION



SECTION

SILT FENCE DETAIL (1)
NOT TO SCALE



ROCK CONSTRUCTION ENTRY (2)
NOT TO SCALE

LEGEND

STORM DRAINAGE POND – NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7.

STORM DRAINAGE STRUCTURE – NO CONCRETE TRUCK WASHOUT. SEE GENERAL NOTES 4 AND 7.

—x——x——x— SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5.

ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 AND GENERAL NOTE 6.

EROSION & SEDIMENT CONTROL

GENERAL NOTES AND INFORMATION

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/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
4. GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
5. THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. SEE DETAIL (2)
7. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT, NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
8. PROPERTY OWNER: BOB FRISCH/MIKE HUME, TOMLINSON BLACK NORTH (509)467-7400
   PERMIT APPLICANT: BOB FRISCH/MIKE HUME, TOMLINSON BLACK NORTH (509)467-7400
   CONTACT PERSON ON SITE: DICK MATERNE, MOUNTAIN CREST CONSTRUCTION (509)466-5794
9. PROJECT LOCATION: IN NORTH SPOKANE, WEST OF AND OF ADJACENT TO HATCH RD., EAST OF SR 395 AND SOUTH OF THE IUGA BOUNDARY, IN THE SW 1/4 OF SECTION 20, TOWNSHIP 27 N., RANGE 43 E.WM.
10. PROJECT DESCRIPTION: WESTWOOD NORTH 1ST ADDITION IS A RESIDENTIAL SUBDIVISION CONSISTING OF 68 LOTS AND WILL REQUIRE CONSTRUCTION OF SEWER, WATER, ROADS, STORM DRAINAGE AND ELECTRICAL FACILITIES. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 3,100 LINEAR FEET OF NEW PRIVATE STREETS, CURBS AND SIDEWALKS, WITH ASSOCIATED 45-FOOT RADIUS CUL-DE-SACS AND STORM DRAINAGE; AND APPROXIMATELY 1000 LINEAR FEET OF WIDENING TO THE SOUTHBOUND LANE OF HATCH ROAD AND 700 LINEAR FEET OF WIDENING TO THE NORTHBOUND LANE.
11. DESCRIPTION OF ESC MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL ESC MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
12. EXISTING VEGETATION: FIELD GRASS AND HAY.
13. PLAN PREPARATION DATE: MARCH 2, 2000
14. SOILS: ON SITE SOILS INCLUDE BONNER LOAM (BvB) AND BONNER SILT LOAM (BtB).
15. STABILIZATION OF DENUDED AREAS:
    ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 lbs/ACRE.
16. CONTROL OF POLLUTANTS:
    ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES

MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY ESC MEASURES.
2. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF-PRODUCING RAINFALL. DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL TEMPORARY AND PERMANENT ESC PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
7. ALL TEMPORARY ESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
9. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.

Date	Description
03/02/00	ORIGINAL PREPARATION
10/25/00	FINAL PREPARATION

Project Number:	99193
IPE Job Number:	99193
Drawn By:	TTB
Designed By:	NWO
Checked By:	JFS

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WESTWOOD NORTH FIRST ADDITION
EROSION/GRADING PLAN

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-23-00
ACCEPTANCE EXPIRES: 10-23-03
PROJECT LANE MILES PUBLIC: 1.72
PROJECT LANE MILES PRIVATE: —
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) 477-3590
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

Sheet Title: EROSION CONTROL PLAN
Sheet Number: 1 OF 2

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO 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.

CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE ESC REQUIREMENTS AS LISTED IN CHAPTER 4.5 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

JOHN F. SAYWERS, P.E.

DEVELOPER'S APPROVAL — DATE 10/26/00

P-1709A Eng. Road & Drainage

J:\Land Projects\99193\dwg\EROSION.dwg, 10/25/00 08:50:38 PM, JME

SEC. 20, T. 27 N., R 43 E. WM
SPOKANE COUNTY, WASHINGTON

SPOKANE COUNTY ENGINEERS OFFICE
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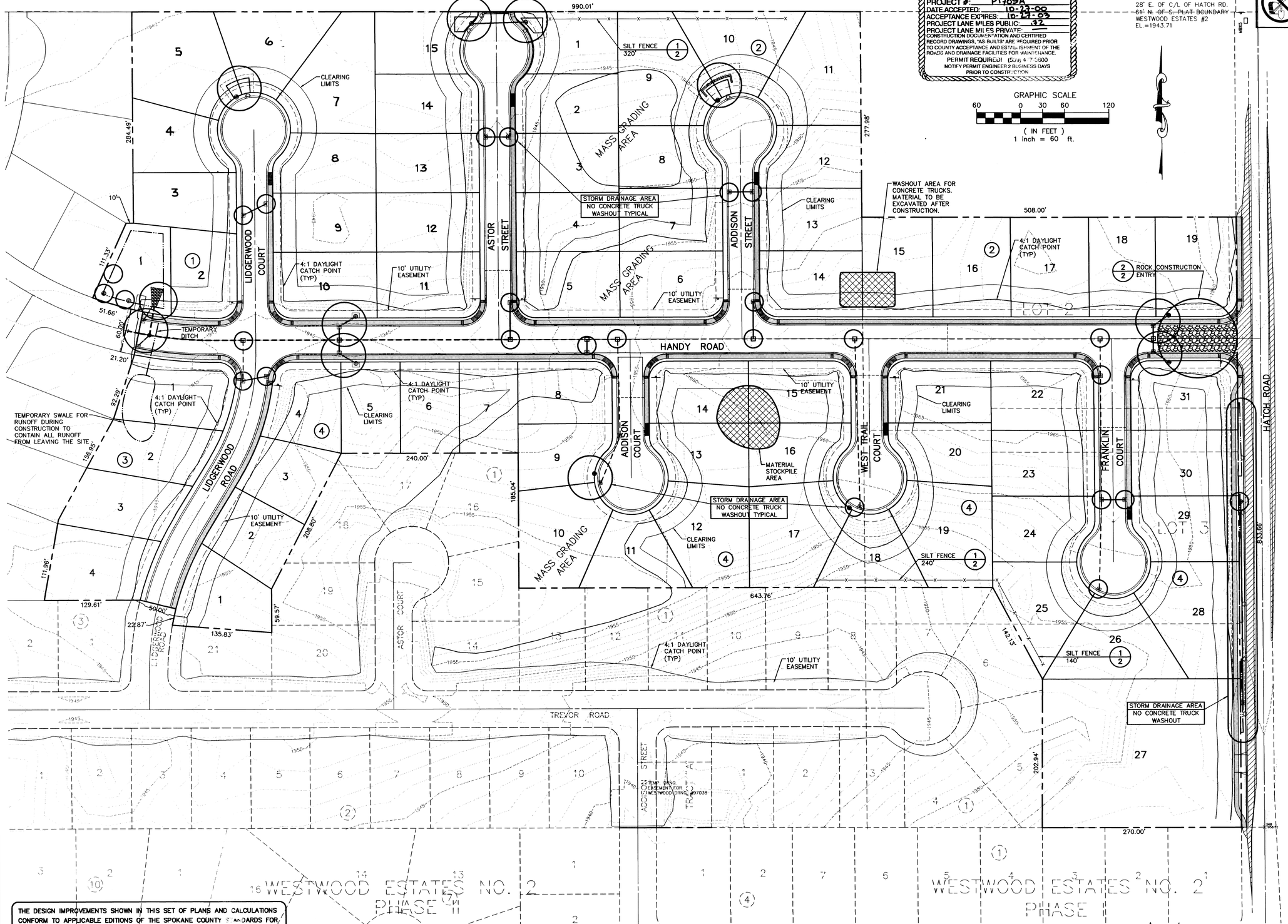
PERMIT REQUIRED! (509) 477-5900
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

COUNTY DATUM
RR SPIKE IN W. FACE OF P.P. 28' E. OF C/L OF HATCH RD. 61' N. OF S. PLAT BOUNDARY WESTWOOD ESTATES #2
EL.=1943.71

GRAPHIC SCALE
60 0 30 60 120
(IN FEET)
1 inch = 60 ft.

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



THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO 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.

Mike Hume 10/26/00

P-1709A Eng. Road & Drainage

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
10-10-00
EXPIRES 5/18/01

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
03/02/00	ORIGINAL PREPARATION
10/25/00	FINAL PREPARATION

Project Number:	99193
IPE Job Number:	99193
Drawn By:	JME
Designed By:	NWO
Checked By:	JFS

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WESTWOOD NORTH FIRST ADDITION
EROSION/GRADING PLAN

Sheet Title: GRADING PLAN

2 OF 2
Sheet Number

J:\Land Projects\99193\dwg\Grading.dwg, 10/25/00 08:51:52 PM, JME

SEC. 20, T.27 N., R.43 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

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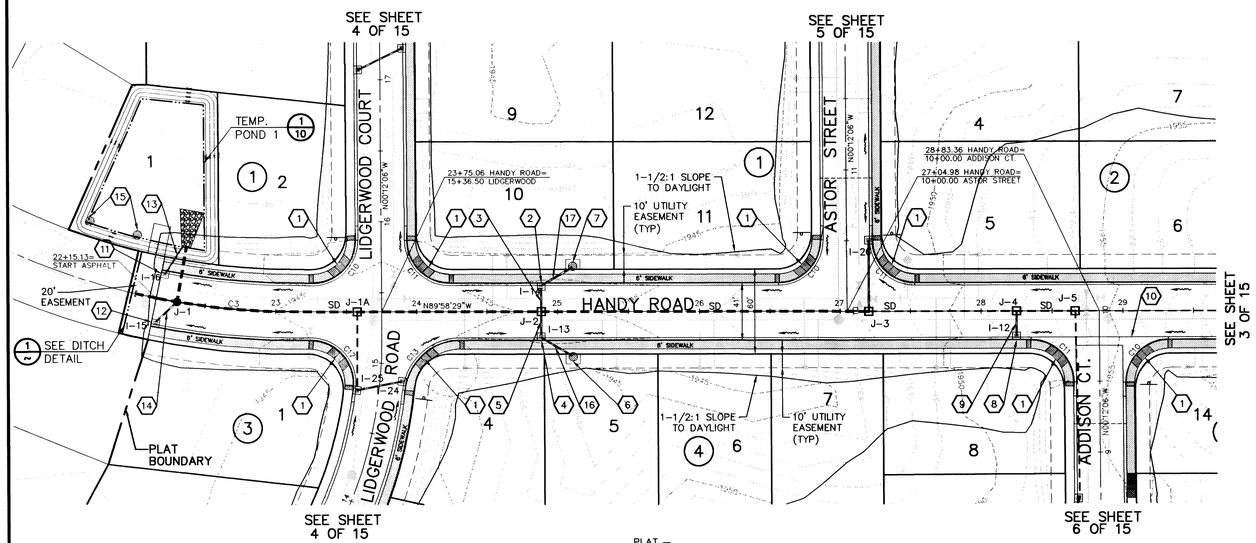
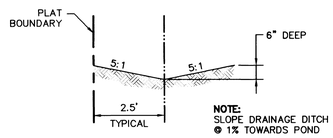
10/25/00
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION
NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.





NOTE:
SLOPE DRAINAGE DITCH @ 1% TOWARDS POND

DITCH DETAIL
NOT TO SCALE

COUNTY DATUM
RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

CONSTRUCTION NOTES

NOTE: FOR STORM DRAINAGE SYSTEM (SD) SEE SHEETS 12 THRU 15.

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN A.
2. STA 24+88.57, 19' LT. TYPE 1 CATCH BASIN WITH TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17. TC ELEV=1944.16, RIM ELEV=1943.49.
3. 18 L.F. OF 10" ADS N-12 PIPE S=-0.0050, IE(N)=1941.89, IE(S)=1941.80.
4. STA 24+88.57, 19' RT. TYPE 1 CATCH BASIN WITH TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17. TC ELEV=1944.16, RIM ELEV=1943.49.
5. 18 L.F. OF 10" ADS N-12 PIPE S=0.0050, IE(N)=1941.89, IE(S)=1941.80.
6. STA 25+11, 32' RT. TYPE "B" DRYWELL WITH A TYPE "4" METAL FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS B-1 AND B-5 RIM ELEV=1944.12. EASEMENT 5' FROM CENTER OF DRYWELL.
7. STA 25+11, 32' LT. TYPE "B" DRYWELL WITH A TYPE "4" METAL FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS B-1 AND B-5 RIM ELEV=1944.12. EASEMENT 5' FROM CENTER OF DRYWELL.
8. STA 28+25, 19' RT. TYPE B DRYWELL WITH TYPE 1 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1950.91.
9. 18 L.F. OF 12" PVC. S=0.0100, IE(S)=1947.91, IE(N)=1947.73.
10. TYPE 1 CONCRETE CROSS GUTTER, CASE 2, PER SPOKANE COUNTY STANDARD PLAN B-18 AND ADDISON COURT INTERSECTION DETAIL, SHEET 9.
11. STA 22+18, 19' LT. TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-10, B-12, B-17 AND B-18. RIM ELEV=1942.12.
12. STA 22+18, 19' RT. TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-10, B-12, B-17 AND B-18. RIM ELEV=1942.12.
13. 24 L.F. OF 12" ADS N-12 PIPE S=-0.0533, IE(S)=1940.10, IE(N)=1938.82.
14. 20 L.F. OF 10" ADS N-12 PIPE S=-0.0550, IE(SW)=1940.10, IE(NE)=1939.00.
15. OFFSET 40.5' LT. 4-TYPE B DRYWELLS WITH TYPE 4 RIM AND GRATES PER SPOKANE COUNTY STANDARD PLANS B-1a AND B-15. RIM ELEV=1939.50.
16. 25 L.F. OF 10" PVC. S=0.0200, IE(NW)=1941.76, IE(SE)=1941.26.
17. 25 L.F. OF 10" PVC. S=0.0200, IE (SW)=1941.76, IE(NE)=1941.26.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: .72
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION AS-CERTIFIED RECORD DRAWINGS, "AS-BUILTS", IS REQUIRED PRIOR TO COUNTY ACCEPTANCE OF PUBLIC IMPROVEMENTS OF ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIREMENTS [illegible]
NOTIFY REPRESENTATIVE 48 BUSINESS DAYS PRIOR TO CONSTRUCTION

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number: 99193
CLC Job Number: 99193
Drawn By: JME
Designed By: NWO
Checked By: JFS

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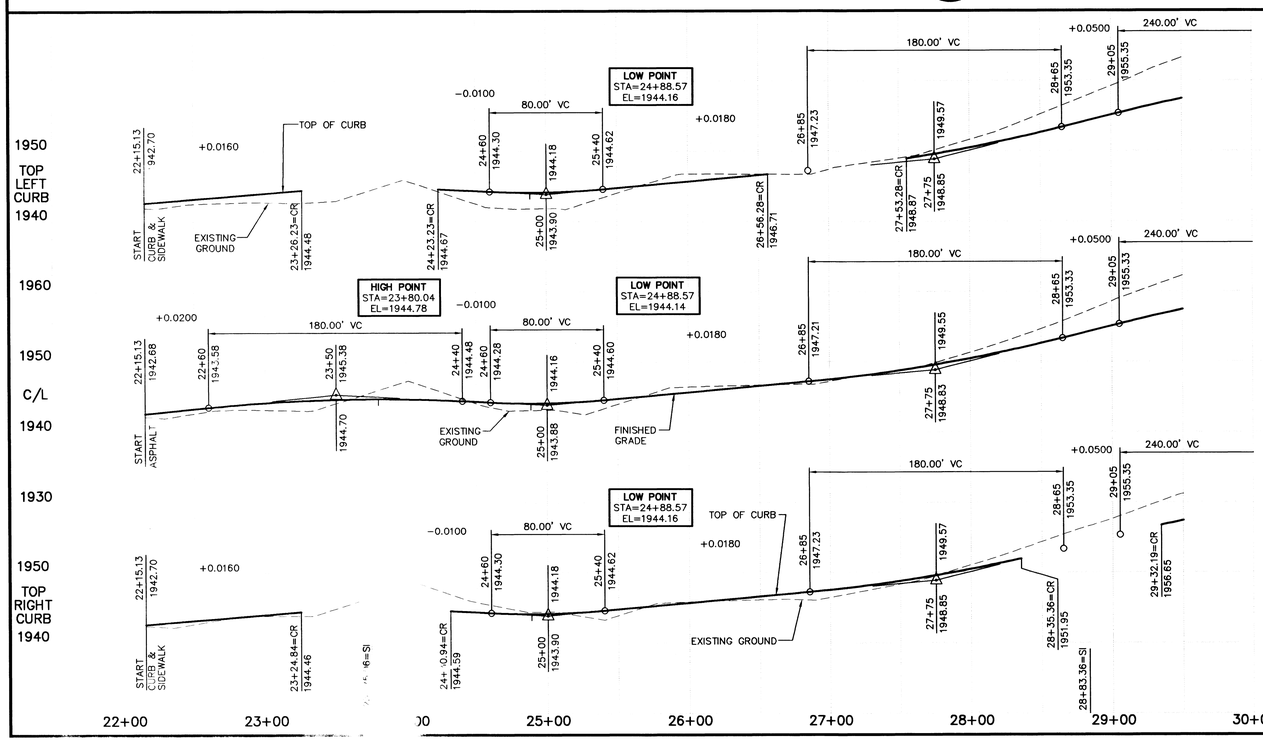
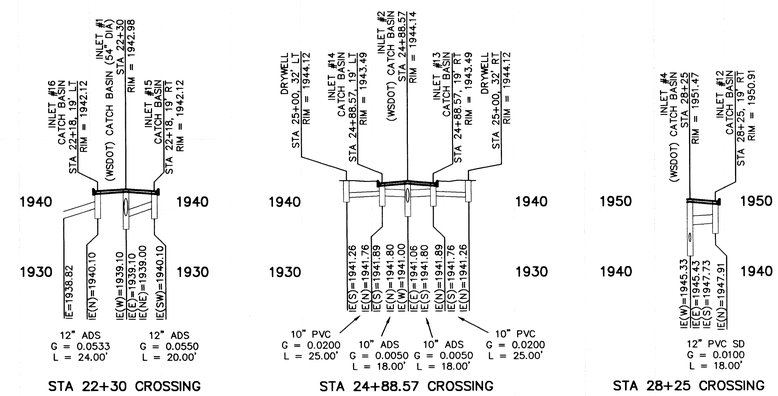
Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C3	500.00'	99.68'	50.00'	99.51'	11°25'20"
C10	30.00'	47.24'	30.12'	42.51'	90°13'37"
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
C12	30.00'	50.72'	33.83'	44.89'	96°52'23"
C13	40.00'	58.40'	35.80'	53.35'	83°38'59"

VERTICAL SCALE: 1"=10'





STREET PLANS
WESTWOOD NORTH FIRST ADDITION
HANDY ROAD
(STA. 22+15.13 TO STA. 29+50)

Sheet Title
STREET PLANS

2 OF 15
Sheet Number

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P-1709A Eng. Road + Drainage

SEC. 20, T.27 N., R.43 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
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Land Surveying
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Spokane, Washington 99204
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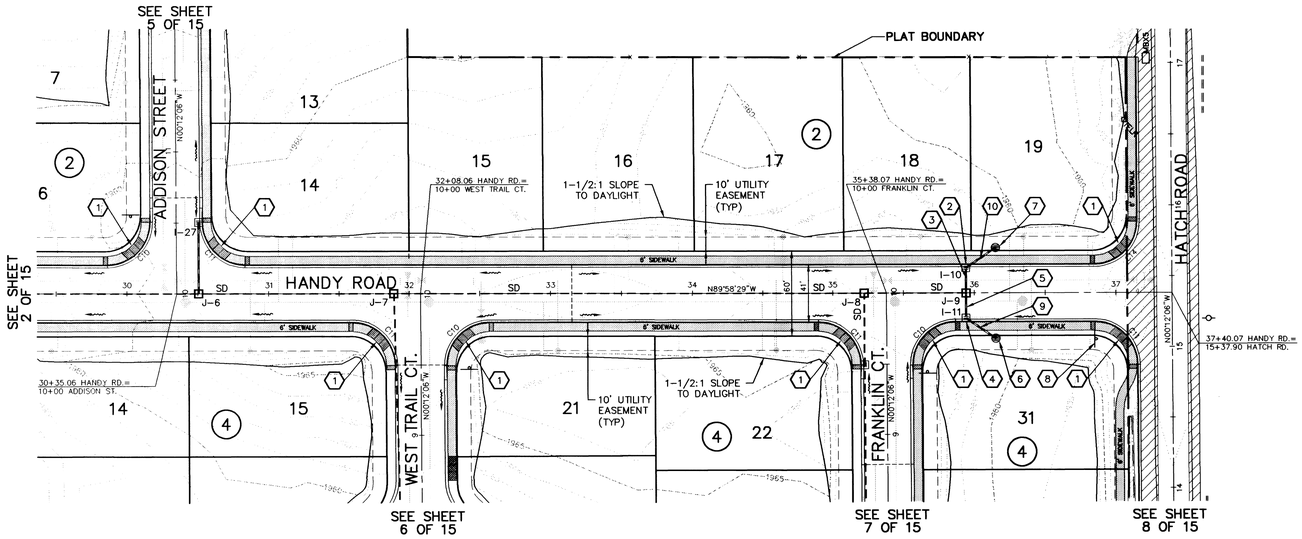


CONSTRUCTION NOTES

NOTE: FOR STORM DRAINAGE SYSTEM (SD) SEE SHEETS 12 THRU 15.

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN A.
2. STA 35+95, 19' LT. TYPE 1 CATCH BASIN WITH TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17
   TC ELEV=1960.98, RIM ELEV=1960.31.
3. 18 L.F. OF 10" PVC. S=0.0100, IE(N)=1957.31, IE(S)=1957.13.
4. STA 35+95, 19' RT. TYPE 1 CATCH BASIN WITH TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17.
   TC ELEV=1960.98, RIM ELEV=1960.31.
5. 18 L.F. OF 10" PVC. S=0.0100, IE(S)=1957.31, IE(N)=1957.13.
6. TYPE "B" DRYWELL WITH A TYPE "4" METAL FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS B-1 AND B-15
   RIM ELEV=1960.51, STA 36+15, 31' LT.
7. TYPE "B" DRYWELL WITH A TYPE "4" METAL FRAME AND SOLID COVER PER SPOKANE COUNTY STANDARD PLANS B-1 AND B-15
   RIM ELEV=1960.51, STA 36+15, 31' RT.
8. STREET NAME AND STOP SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
9. 25 L.F. OF 12" PVC. S=0.0200, IE(N)=1957.17, IE(S)=1956.67.
10. 25 L.F. OF 12" PVC. S=0.0200, IE(N)=1957.16, IE(S)=1956.66.

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00'	47.24'	30.12'	42.51'	90°13'37"
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
C14	30.00'	46.14'	29.03'	41.72'	88°07'13"

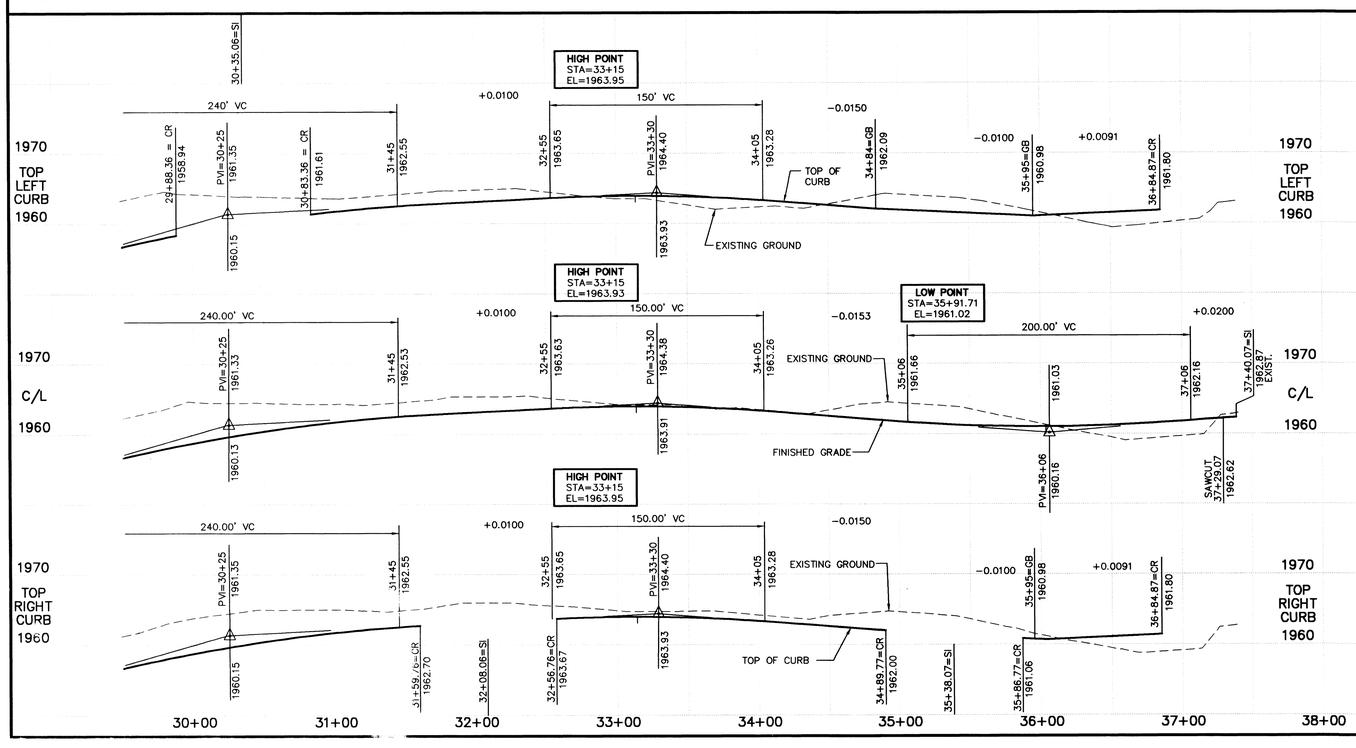
Mike Hume
DEVELOPER'S APPROVAL

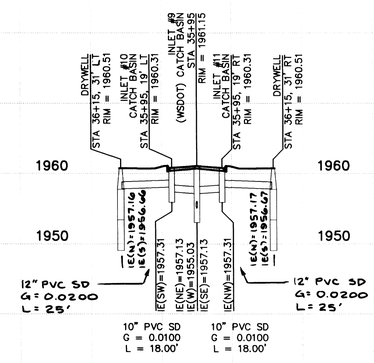
10/26/00
DATE

COUNTY DATUM

RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

VERTICAL SCALE: 1"=10'





SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: .12
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTS CERTIFIED
RECORD DRAWINGS MUST BE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ENGINEERING ENGINEMENT OF THE ROADS AND DRAINAGE FACILITIES
PERMIT REQUIREMENTS MAY APPLY
NOTIFY PERMIT ENGINEER 24 BUSINESS DAYS PRIOR TO CONSTRUCTION

JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
10/26/00
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number: 99193
CLC Job Number: 99193
Drawn By: JME
Designed By: NWO
Checked By: JFS

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STREET PLANS
WESTWOOD NORTH FIRST ADDITION
HANDY ROAD
(STA. 29+50 TO 37+40.07)

Sheet Title
STREET PLANS

3 OF 15
Sheet Number

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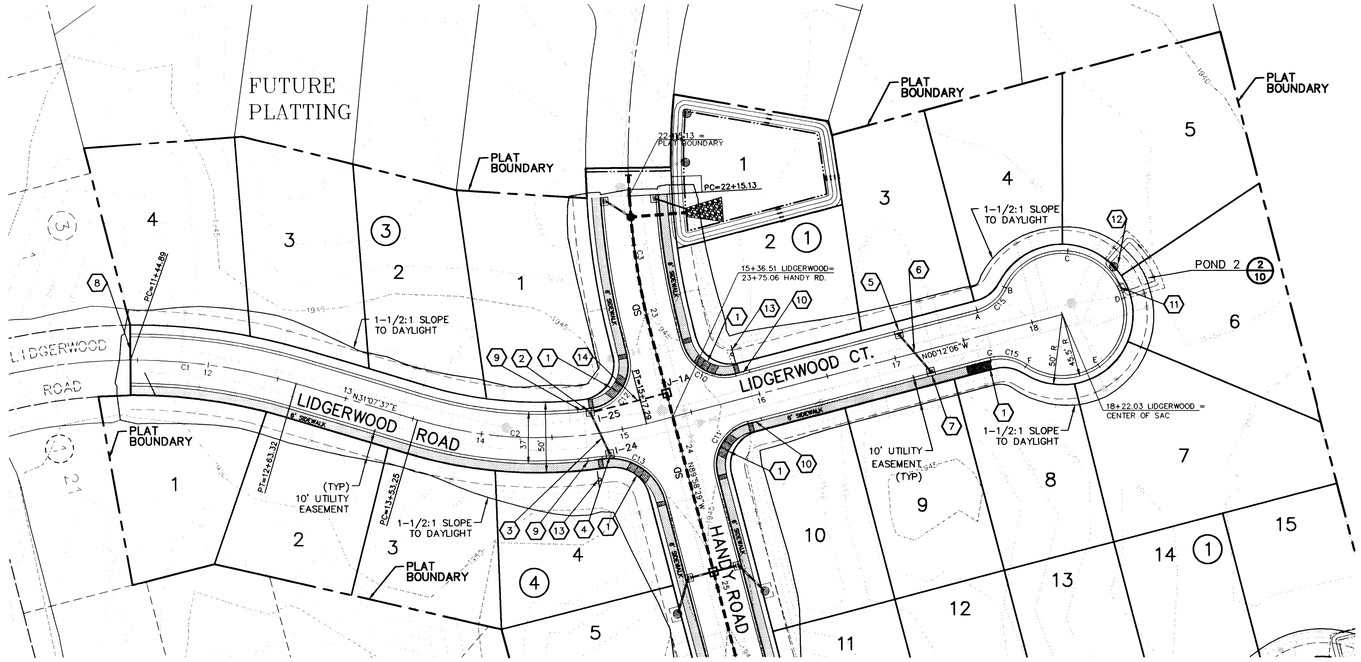
P-1709A Eng. Roads Drainage

SEC. 20, T.27 N., R.43 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
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Land Surveying
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Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

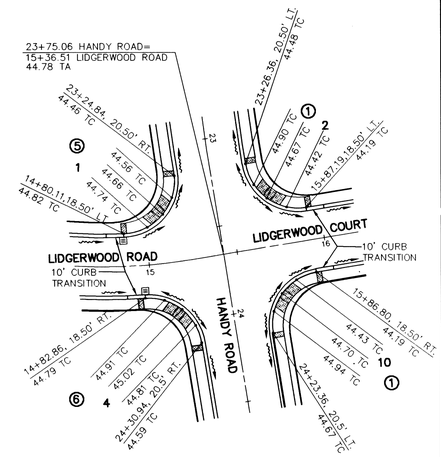
JOHN FRANK SAYMERS
STATE OF WASHINGTON
36212
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYMERS, P.E.
WASHINGTON REGISTRATION NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

CONSTRUCTION NOTES

NOTE: FOR STORM DRAINAGE SYSTEM (SD) SEE SHEETS 12 THRU 15.

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN A.
2. STA 14+79, 17' LT. TYPE B DRYWELL WITH TYPE 1 METAL FRAME AND GRATE, AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1944.24.
3. 34 L.F. OF 10" PVC. S=0.0138, IE(E)=1941.85, IE(W)=1941.38.
4. STA 14+82, 18' RT. TYPE B DRYWELL WITH TYPE 1 METAL FRAME AND GRATE, AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1944.21.
5. STA 17+07, 17' LT. TYPE B DRYWELL WITH TYPE 1 METAL FRAME AND GRATE, AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1942.71.
6. 35 L.F. OF 12" PVC. S=0.0530, IE(E)=1939.56, IE(W)=1937.71.
7. STA 17+22, 17' RT. TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME AND GRATE, AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-10, B-12, B-17 AND B-18. RIM ELEV=1942.60.
8. SAWCUT EXISTING EDGE OF ASPHALT FOR COMPETENT, VERTICAL EDGE. TACK COAT PRIOR TO PAVING.
9. 10' CONCRETE TRANSITION FROM TYPE R (ROLLED CURB) TO TYPE B (CURB AND GUTTER).
10. 10' CONCRETE TRANSITION FROM TYPE B (CURB AND GUTTER) TO TYPE R (ROLLED CURB).
11. STA 1+29.32, CUL-DE-SAC, TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1941.25, CURB DROP ELEV=1940.75.
12. STA 1+15, CUL-DE-SAC, OFFSET 4.5', TYPE B DRYWELL WITH TYPE 4 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLANS B-1a, AND B-15. RIM ELEV=1940.42.
13. STREET NAME AND STOP SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
14. 52.83 L.F. OF 12" DI. S=0.0051, IE(S)=1941.28, IE(N)=1941.01.



INTERSECTION 1
SCALE: 1"=40'

COUNTY DATUM

RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	400.00'	118.43'	59.65'	118.00'	16°57'52"
C2	300.00'	164.04'	84.12'	162.00'	31°19'43"
C3	500.00'	99.68'	50.00'	99.51'	11°25'20"
C10	30.00'	47.24'	30.12'	42.51'	90°13'37"
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
C12	30.00'	50.72'	33.83'	44.89'	96°52'23"
C13	40.00'	58.40'	35.80'	53.35'	83°38'59"
C15	30.00'	26.20'	14.00'	25.37'	50°01'49"

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number:	99193
CLC Job Number:	99193
Drawn By:	JME
Designed By:	NWO
Checked By:	JFS

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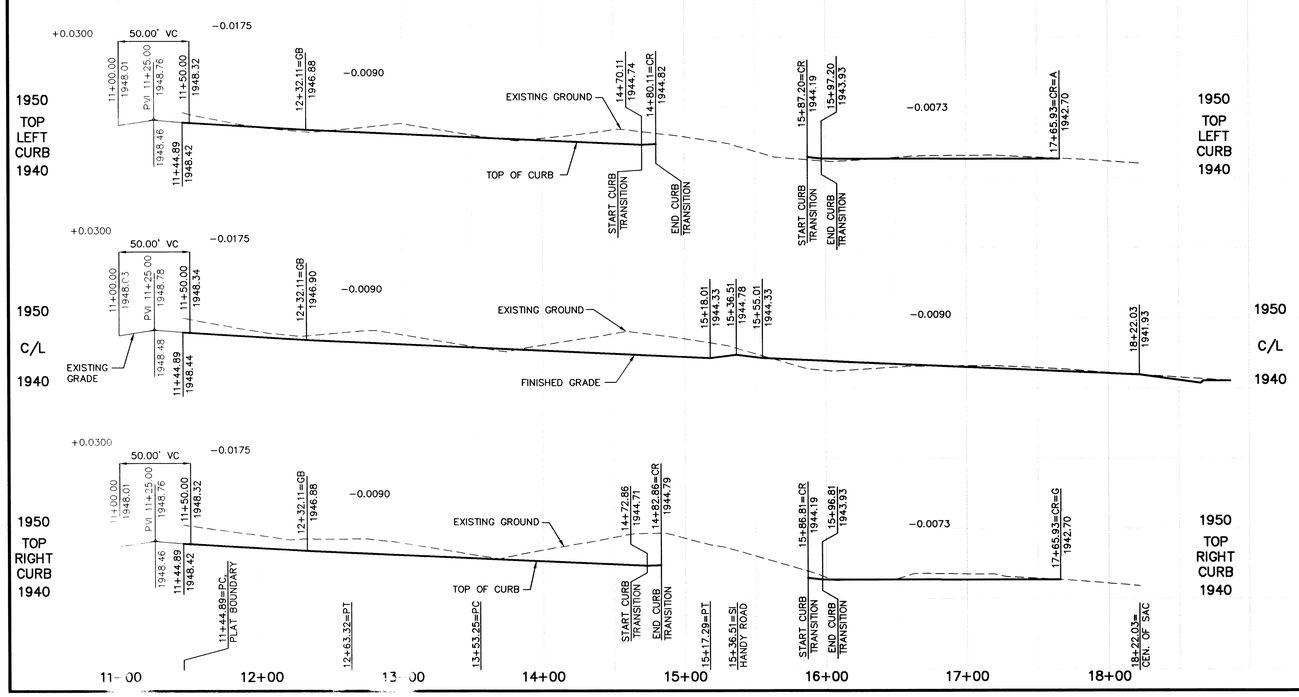
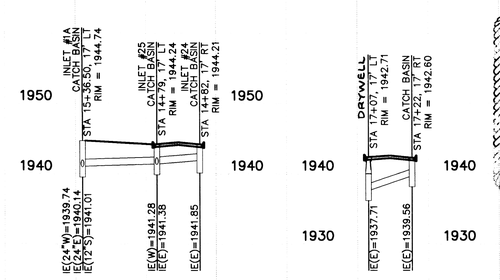
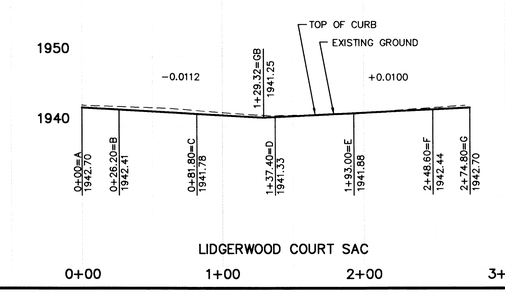
VERTICAL SCALE: 1"=10'





SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: .72
PROJECT LANE MILES PRIVATE: 1
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS AS BUILT FOR PRE REQUIRED PRIOR TO COUNTY ACCEPTANCE OF ROAD AND DRAINAGE FACILITIES LISTED ABOVE. PERMIT REQUIRED BY: [illegible]
PERMIT ENGINEER REVIEWING PLANS: [illegible]
PROJECT CONSTRUCTION



STREET PLANS
WESTWOOD NORTH FIRST ADDITION
LIDGERWOOD ROAD

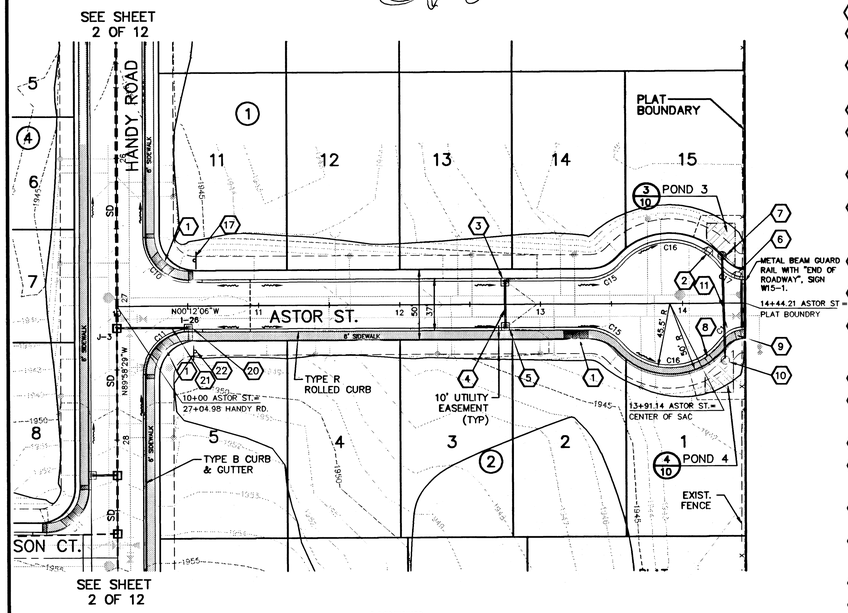
Sheet Title
STREET PLANS

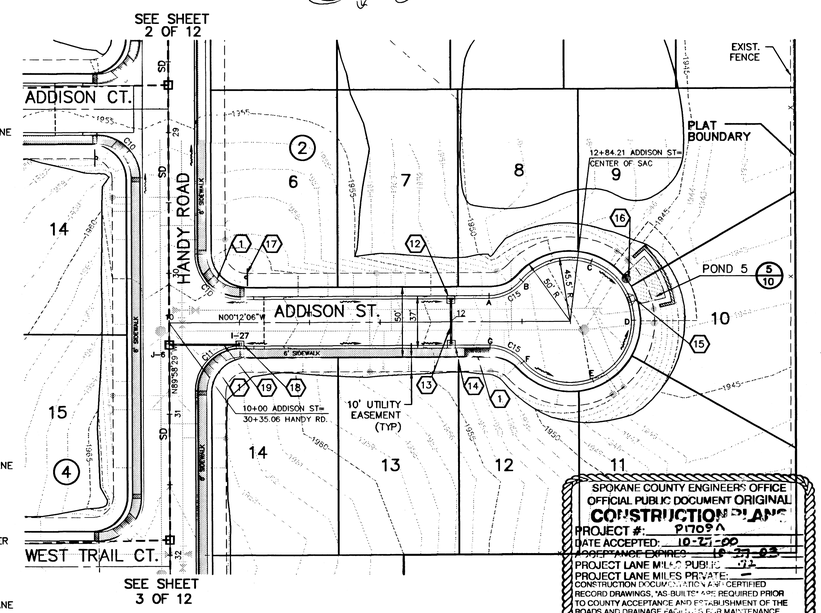
4 OF 15
Sheet Number

P-1709A Eng. Road & Drainage

J:\Land Projects\99193\dwg\LIDGER.dwg, 10/25/00 06:54:41 PM, JME

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON





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

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JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

CONSTRUCTION NOTES

NOTE: FOR STORM DRAINAGE SYSTEM (SD) SEE SHEETS 12 THRU 15.

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN A.
2. STA 14+17 LT. TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1940.85, CURB DROP ELEV=1940.35
3. STA 12+75, 17' LT. TYPE B DRYWELL WITH TYPE 1 METAL FRAME AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17, AND B-18. RIM ELEV=1944.68.
4. 34 L.F. OF 12" PVC. S=0.0500, IE(E)=1941.11, IE(W)=1939.41.
5. STA 12+75, 17' RT. TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-10, B-12, B-17 AND B-18. RIM ELEV=1944.68.
6. STA 14+38.29, LT., TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1940.66, CURB DROP ELEV=1940.16.
7. STA 14+30, 35' LT. TYPE "A" DRYWELL WITH TYPE 4 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLANS B-1a AND B-15. REMOVE CONE AND REPLACE WITH CONCRETE ADJUSTMENT RINGS. RIM ELEV=1939.85
8. STA 14+17, RT. TYPE 2 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-9. TC ELEV=1940.85
9. STA 14+38.29, RT. TYPE 2 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-9. TC ELEV=1940.16.
10. STA 14+30, 35' RT. TYPE A DRYWELL WITH TYPE 4 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLANS B-1a AND B-15. REMOVE CONE AND REPLACE WITH CONCRETE ADJUSTMENT RINGS. RIM ELEV=1939.85.
11. 73 L.F. OF 12"PVC. S=0.0000, IE=1938.78
12. STA 12+00, 17' LT. TYPE B DRYWELL WITH TYPE 1 METAL FRAME AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1953.78.
13. 34 L.F. OF 12" PVC. S=0.0816, IE(E)=1948.24, IE(W)=1945.47.
14. STA 12+00, 17' RT. TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-10, B-12, B-17 AND B-18. RIM ELEV=1953.78.
15. STA 1+21.17, CUL-DE-SAC, TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1948.64, CURB DROP ELEV=1948.14.
16. STA 1+08, CUL-DE-SAC, 4.5' OFFSET. TYPE "B" DRYWELL WITH TYPE 4 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLANS B-1a AND B-15. RIM ELEV=1947.81.
17. STREET NAME AND STOP SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
18. STA 10+50.31, 17' RT. TYPE 1 CATCH BASIN WITH TYPE 2 METAL RIM AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17. TC ELEV=1960.35, RIM ELEV=1959.68.
19. 50 LF OF 12" PVC. S=0.0100, IE(N)=1956.68, IE(S)=1956.18.
20. STA 10+50.31, 17' RT. TYPE 1 CATCH BASIN WITH TYPE 2 METAL RIM AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17. TC ELEV=1947.39, RIM ELEV=1946.72.
21. 50 LF OF 12" PVC. S=0.0100, IE(N)=1943.72, IE(S)=1943.22.
22. DEAD END SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.

NOTES

NOTE 1: TEMPORARY CUL-DE-SAC TO BE TO BE REMOVED WHEN STREET EXTEND BEYOND PLAT AT THE DEVELOPER'S EXPENSE.

COUNTY DATUM

RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

DEVELOPER'S APPROVAL

10/26/00
DATE

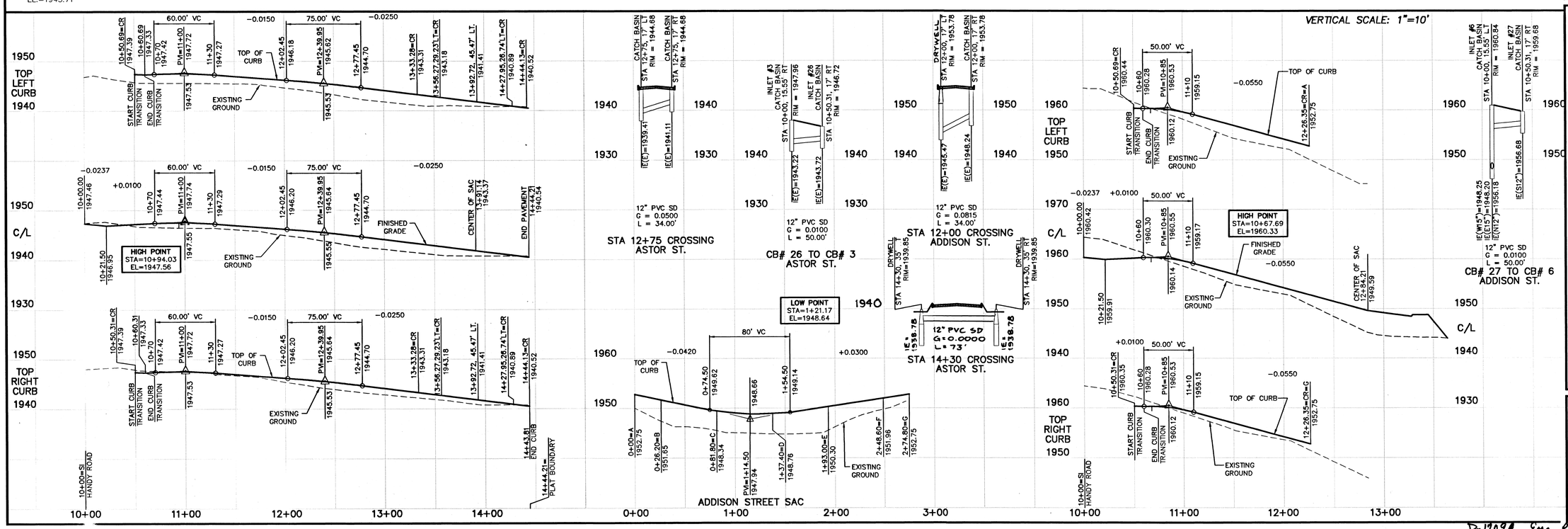
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
PROJECT ENGINEER EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: 1.2
PROJECT LANE MILES PRIVATE: -
CONSTRUCTION DOCUMENTATION AS-CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED 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

Date	Description
09/15/00	ORIGINAL SUBMITTAL
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00'	47.24'	30.12'	42.51'	90°13'37"
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
C15	30.00'	26.20'	14.00'	25.37'	50°01'49"
C16	45.50'	82.61'	58.27'	71.72'	104°01'48"
C17	20.00'	18.85'	10.19'	18.16'	54°00'00"

Project Number:	99193
CLC Job Number	99193
Drawn By:	JME
Designed By:	NWO
Checked By:	JFS

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 PLANS
WESTWOOD NORTH FIRST ADDITION
ASTOR STREET AND
ADDISON STREET

Sheet Title
STREET PLANS

5 OF 15
Sheet Number

P-1709A Eng. Roads & Drainage

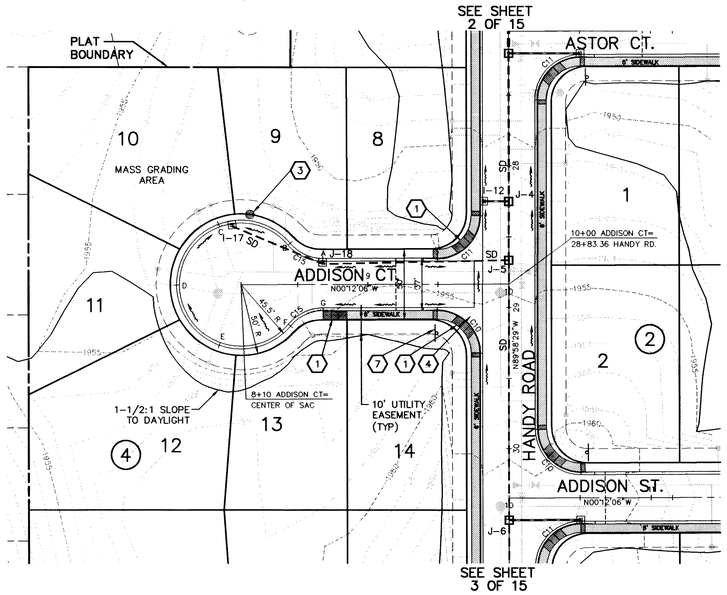
J:\Land Projects\99193\dwg\ASTOR.dwg, 10/25/00 06:35:39 PM, JME

SEC. 20, T.27 N., R.43 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

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

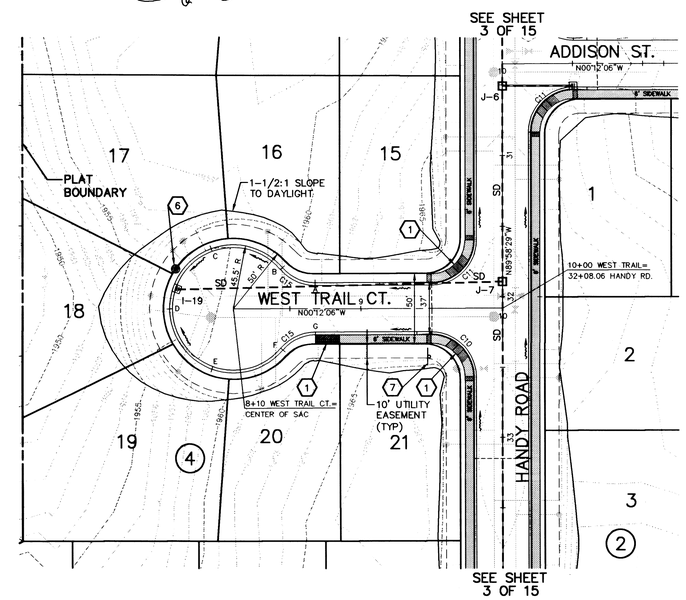


CONSTRUCTION NOTES

NOTE: FOR STORM DRAINAGE SYSTEM (SD) SEE SHEETS 12 THRU 15.

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN A.
2. NOT USED
3. STA 0+60 ADDISON CUL-DE-SAC, OFFSET 4.5'. TYPE "B" DRYWELL INSTALLED FOR PERCOLATION TESTING, ABANDONED.
4. TYPE 1 CONCRETE CROSS-GUTTER, CASE 2, PER SPOKANE COUNTY STANDARD PLAN B-18 AND ADDISON COURT INTERSECTION DETAIL, SHEET 9.
5. NOT USED
6. STA 1+10 WEST TRAIL CUL-DE-SAC, OFFSET 4.5'. TYPE "B" DRYWELL INSTALLED FOR PERCOLATION TESTING, ABANDONED
7. STREET NAME AND STOP SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-02
PROJECT LANE MILES PUBLIC: .12
PROJECT LANE MILES PRIVATE:
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.



PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER, 10/25/00
EXPIRES 5/18/01

Date	Description
09/15/00	ORIGINAL SUBMITTAL
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number: 99193
CLC Job Number: 99193
Drawn By: JME
Designed By: NWO
Checked By: JFS

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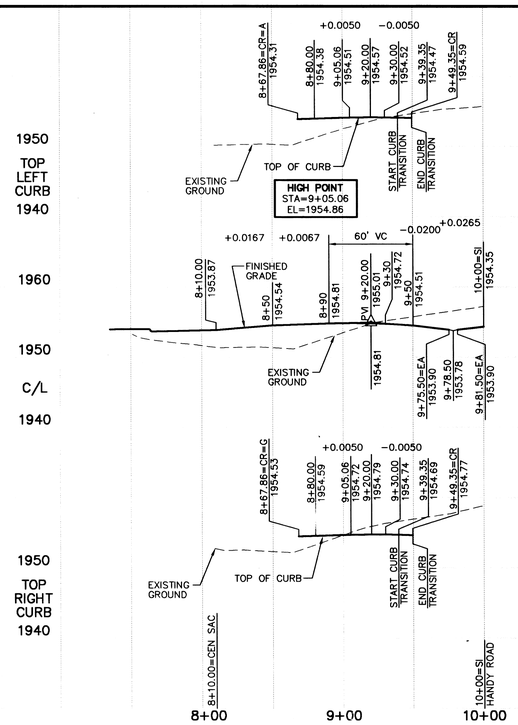
COUNTY DATUM
RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

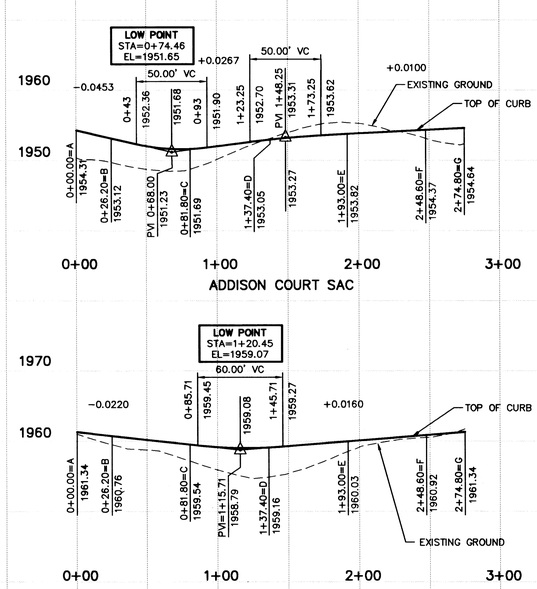
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00'	47.24'	30.12'	42.51'	90°13'37"
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
C15	30.00'	26.20'	14.00'	25.37'	50°01'49"

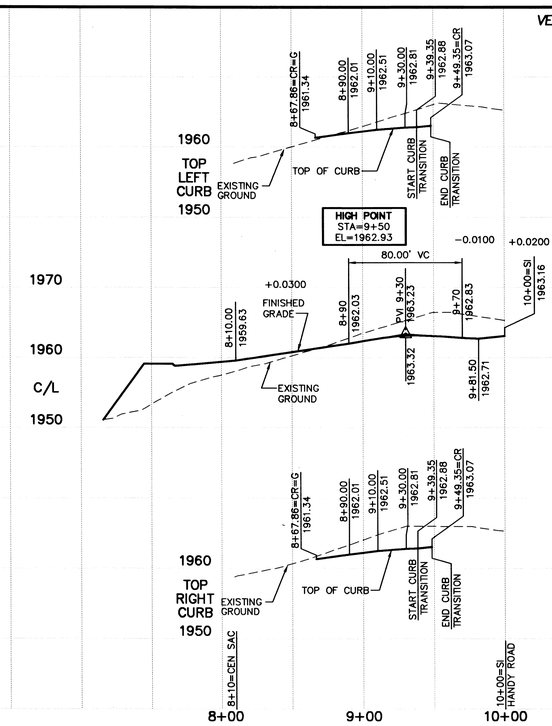
Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

VERTICAL SCALE: 1"=10'







STREET PLANS
WESTWOOD NORTH FIRST ADDITION
ADDISON COURT AND WEST TRAIL COURT

Sheet Title
STREET PLANS

6 OF 15
Sheet Number

J:\Land Projects\99193\dwg\WTRAIL.dwg, 10/25/00 06:36:15 PM, JME

P-1709A Eng. Roads & Drainage

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

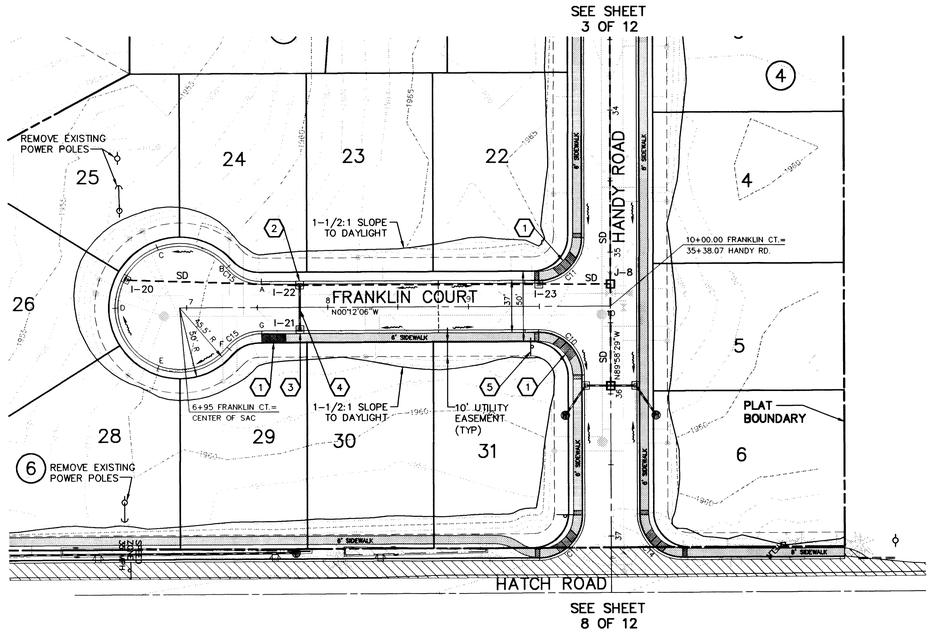
GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

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

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
10/26/00
EXPIRES 5/18/01

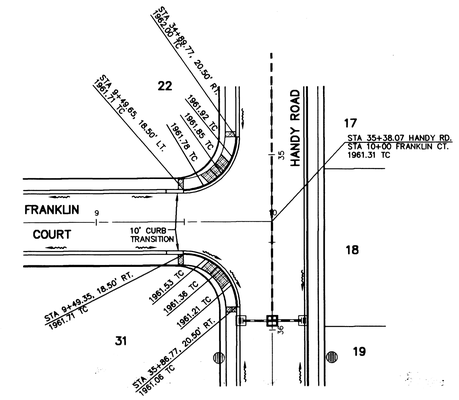
PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.



CONSTRUCTION NOTES

NOTE: FOR STORM DRAINAGE SYSTEM (SD) SEE SHEETS 12 THRU 15.

1. CONSTRUCT WHEELCHAIR RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN A.
2. STA 7+80, 17' LT. TYPE "B" DRYWELL WITH TYPE 1 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1961.07
3. STA 7+80, 17' RT., TYPE "B" DRYWELL WITH TYPE 1 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1961.07.
4. 31.5 L.F. OF 10" PVC. S=0.1086, IE(W)=1955.65, IE(E)=1959.07.
5. STREET NAME AND STOP SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.



INTERSECTION DETAIL

SCALE: 1"=40'

1 / —

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00'	47.24'	30.12'	42.51'	90°13'37"
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
C14	30.00'	46.14'	29.03'	41.72'	88°07'13"
C15	30.00'	26.20'	14.00'	25.37'	50°01'49"

COUNTY DATUM

RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

Date	Description
09/15/00	ORIGINAL SUBMITTAL
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number: 99193
CLC Job Number: 99193
Drawn By: JME
Designed By: NWO
Checked By: JFS

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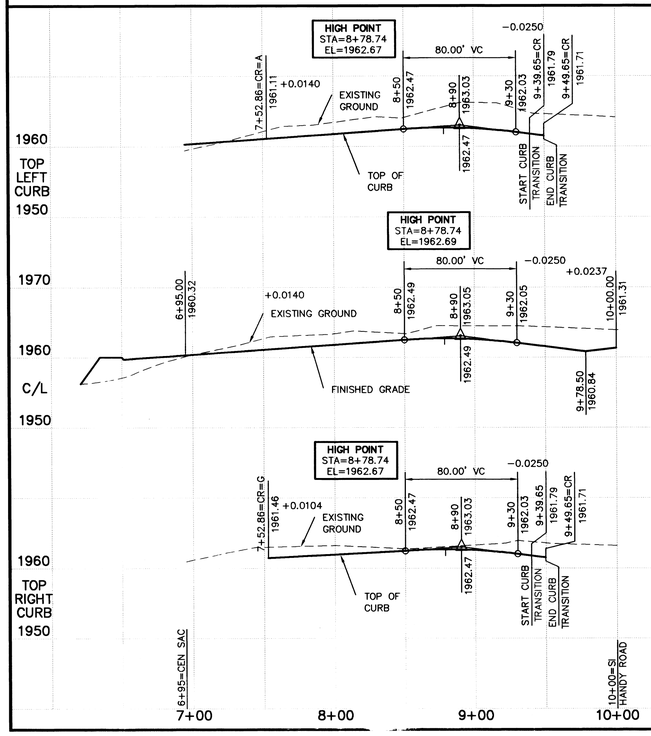
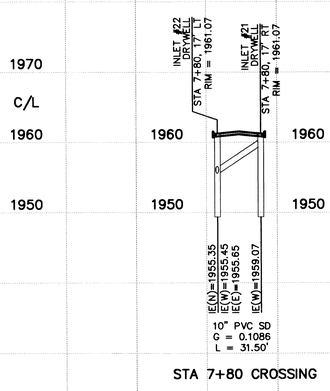
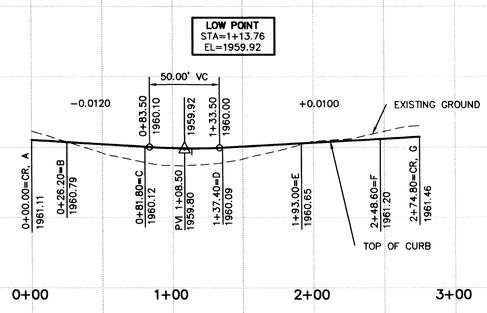
VERTICAL SCALE: 1"=10'





STA 7+80 CROSSING



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-23-00
ACCEPTANCE EXPIRES: 10-23-03
PROJECT LANE MILES PUBLIC: .32
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED (509) 477-3600
NOTIFY PERMIT ENGINEER 24 HOURS PRIOR TO CONSTRUCTION

STREET PLANS
WESTWOOD NORTH FIRST ADDITION
FRANKLIN COURT

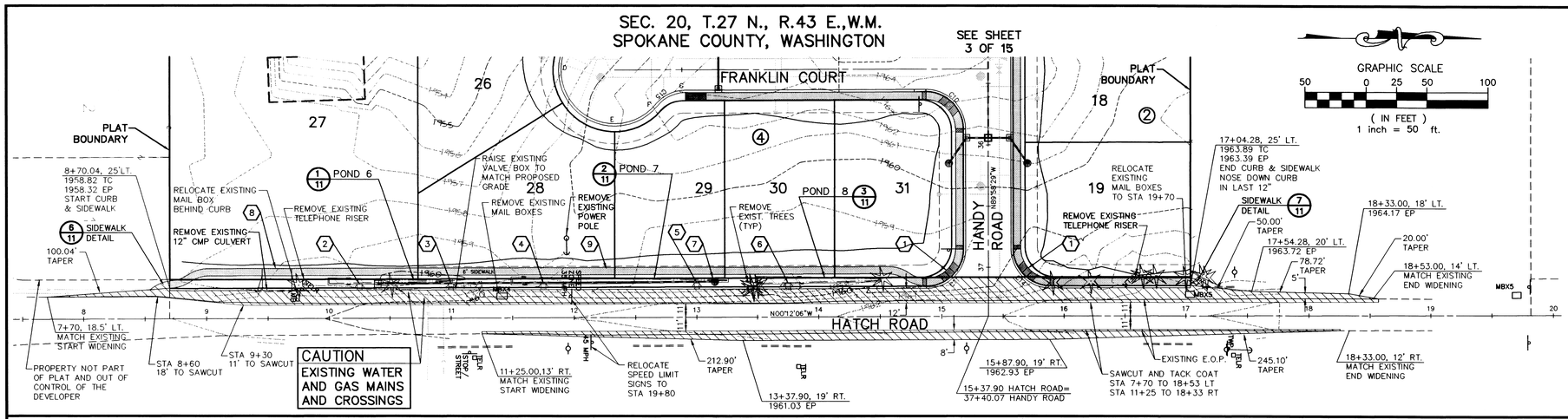
Sheet Title
STREET PLANS

7 OF 15
Sheet Number

P-1709A Eng. Road & Drainage

J:\Land Projects\99193\dwg\FRANKLIN.dwg, 10/25/00 06:36:50 PM, JME

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CAUTION
EXISTING WATER AND GAS MAINS AND CROSSINGS

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

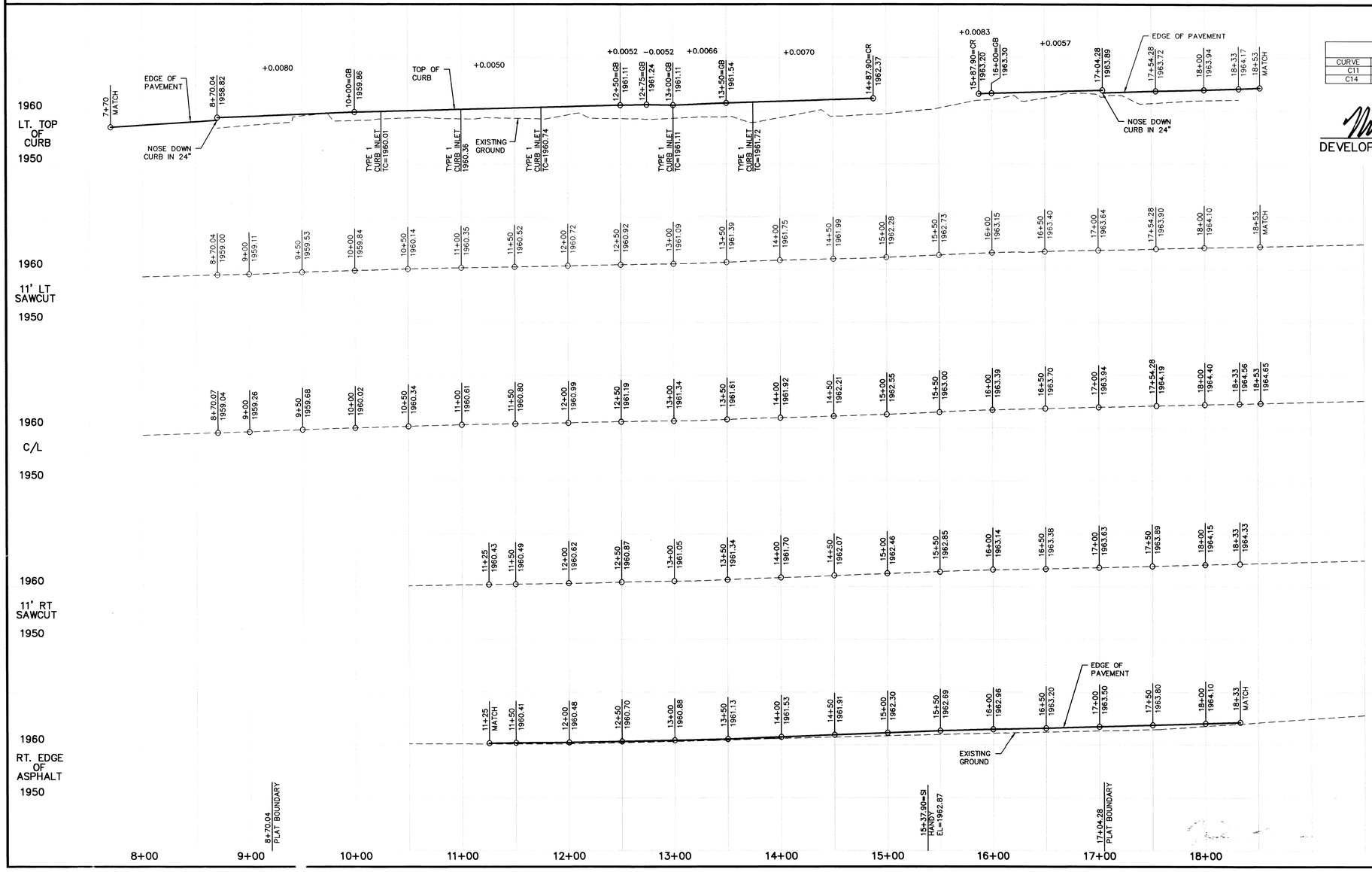
COUNTY DATUM
RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
WESTWOOD ESTATES #2
EL.=1943.71

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 A.
2. STA 10+25 LT., TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1960.01, CURB DROP ELEV=1959.34.
3. STA 11+00 LT., TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1960.36, CURB DROP ELEV=1959.69.
4. STA 11+75 LT., TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1960.74, CURB DROP ELEV=1960.07.
5. STA 13+00 LT., TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1961.11, CURB DROP ELEV=1960.44.
6. STA 13+75 LT., TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. TC ELEV=1961.72, CURB DROP ELEV=1961.05.
7. STA 13+15, 29' LT. TYPE "B" DRYWELL WITH TYPE 4 METAL FRAME AND GRATE PER SPOKANE COUNTY STANDARD PLANS B-1a AND B-15. RIM ELEV=1960.11.
8. RESIDENTIAL DRIVEWAY ACCESS, PER SPOKANE COUNTY STANDARD PLAN A-4.
9. STA 9+00 TO 14+65, 6' SIDEWALK. SIDEWALK ELEV = TC - 0.20'

VERTICAL SCALE: 1"=10'



CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C11	30.00'	47.01'	29.88'	42.34'	89°46'23"
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Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-23-00
ACCEPTANCE EXPIRES: 10-23-03
PROJECT LANE MILES PUBLIC: 1.12
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-7262
NOTIFY PERMIT ENGINEER 48 BUSINESS DAYS PRIOR TO CONSTRUCTION

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED PROFESSIONAL ENGINEER
10/26/00
EXPIRES 5/18/01

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
09/15/00	ORIGINAL SUBMITTAL
09/29/00	SECOND PREPARATION
10/26/00	FINAL PREPARATION

Project Number:	99193
CLC Job Number:	99193
Drawn By:	JME
Designed By:	NWO
Checked By:	JFS

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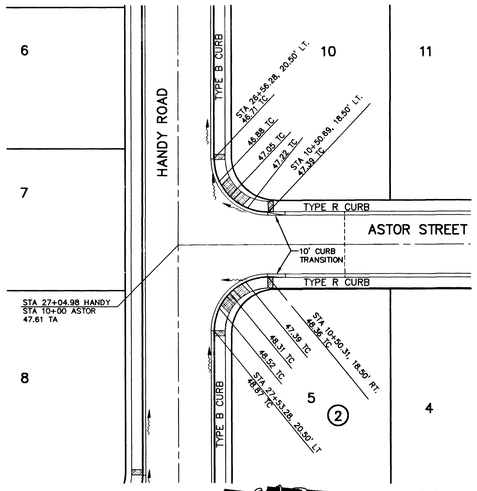
STREET PLANS
WESTWOOD NORTH FIRST ADDITION
HATCH ROAD

Sheet Title
STREET PLANS

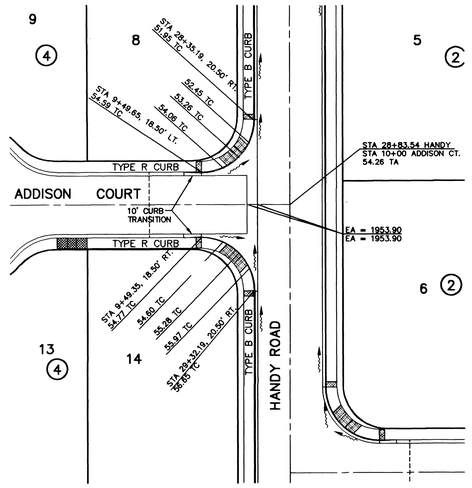
8 OF 15
Sheet Number

J:\Land Projects\99193\dwg\HATCH.dwg, 10/25/00 06:37:30 PM, JME

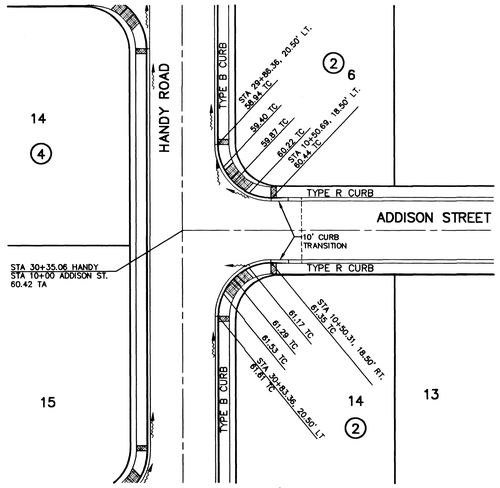
P-1709A Eng. Roads & Drainage



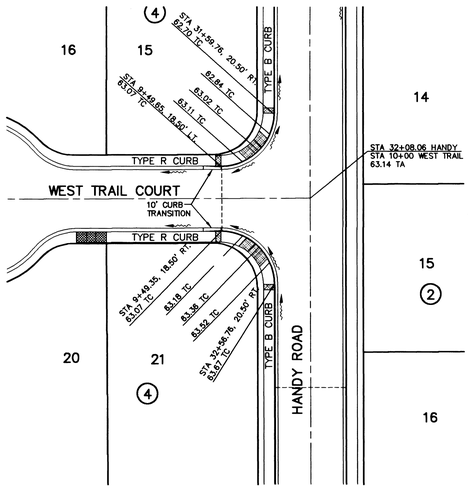
INTERSECTION (1/9)
SCALE: 1"=40'



INTERSECTION (2/9)
SCALE: 1"=40'



INTERSECTION (3/9)
SCALE: 1"=40'

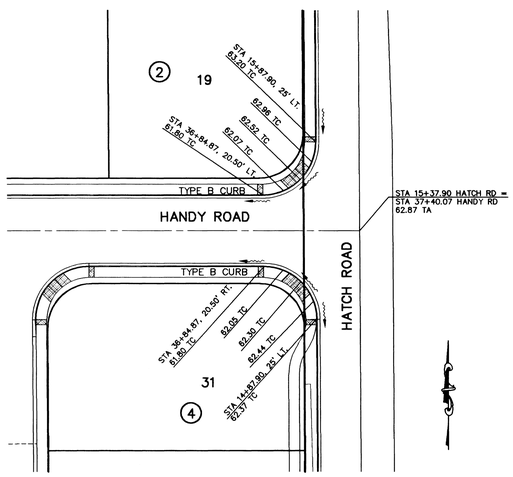


INTERSECTION (4/9)
SCALE: 1"=40'

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

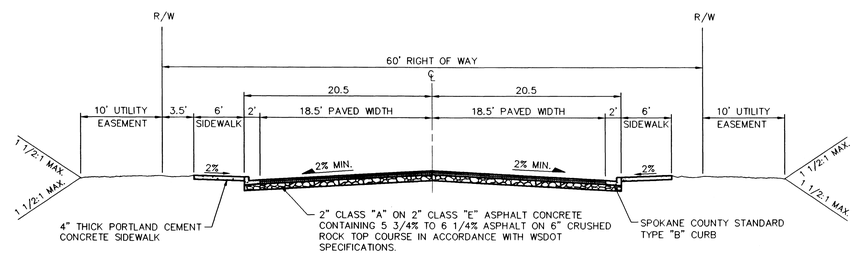
NOTE:

1. CURB RETURN RADII ON PLAN AND PROFILE SHEETS
2. ALL PAVING DEPTHS ARE COMPACTED DEPTHS

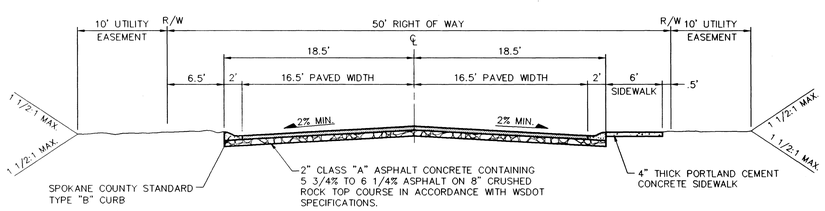


INTERSECTION (5/9)
SCALE: 1"=40'

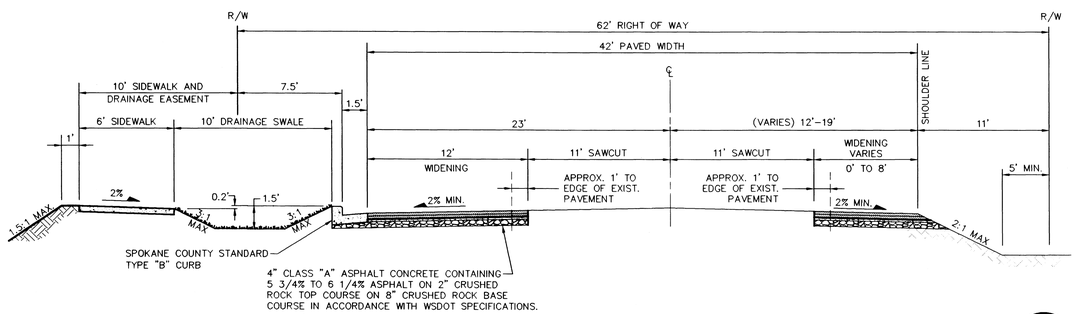
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-27-00
ACCEPTANCE EXPIRES: 10-27-03
PROJECT LANE MILES PUBLIC: .32
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, 'AS-BUILTS' ARE REQUIRED PRIOR 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



TYPICAL ROADWAY SECTION (7/9)
NOT TO SCALE
HANDY ROAD



TYPICAL ROADWAY SECTION (8/9)
NOT TO SCALE
LIDGERWOOD ROAD & COURT
ASTOR STREET & WEST TRAIL COURT
ADDISON STREET & COURT
FRANKLIN COURT



TYPICAL ROADWAY SECTION (9/9)
NOT TO SCALE
HATCH ROAD

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

P-1709A Eng. Roads + Drainage

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458 6840
Fax: (509) 458-6844

JOHN FRANK SAYWERS — STATE OF WASHINGTON — 36212 — REGISTERED PROFESSIONAL ENGINEER — 10/25/00
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number: 99193
CLC Job Number: 99193
Drawn By: JME
Designed By: NWO
Checked By: JFS

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STREET PLANS
WESTWOOD NORTH FIRST ADDITION
STREET DETAILS

Sheet Title: STREET PLANS
9 OF 15
Sheet Number

J:\Land Projects\99193\dwg\det1.dwg, 10/25/00 06:38:04 PM, JME

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707 W 7th Avenue, Suite 200
Spokane, Washington 99204
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EXPIRES 5/18/02

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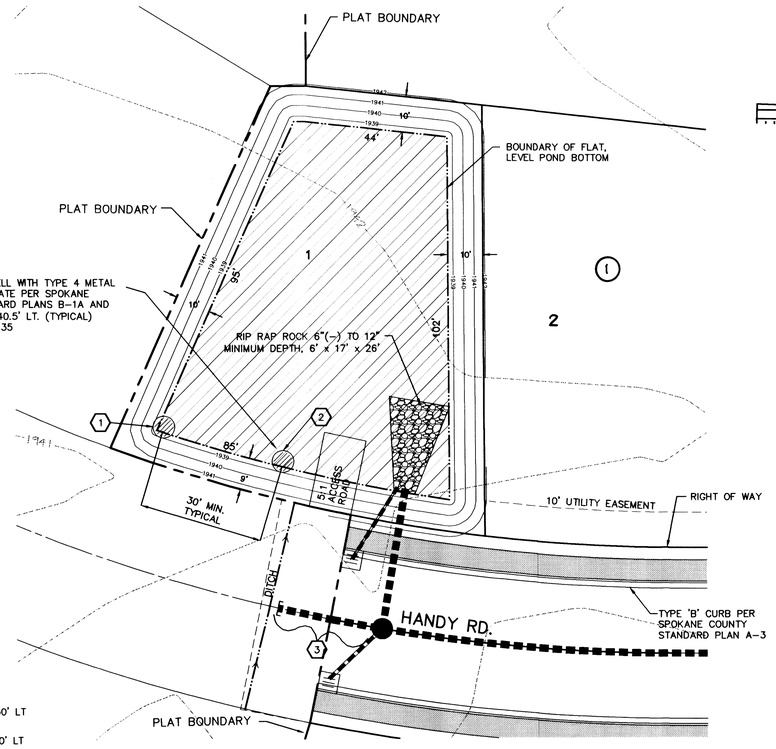


NOTES:

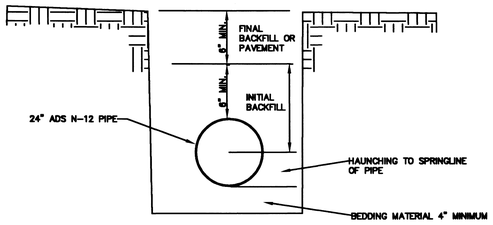
1. STATION 21+53.54, 40.50' LT
2. STATION 21+91.10, 40.50' LT
3. FULLY RESTRAIN ALL JOINTS.

TEMP POND 1 DETAIL

1"=20'

POND BOTTOM ELEV. = 1938.50
POND BOTTOM AREA = 6312 S.F.
POND VOLUME REQUIRED = 10455 C.F.
POND VOLUME PROVIDED = 10845 C.F.
MIN. BERM ELEV. = 1941.50

1/10



NOTES

FOUNDATION
WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWER AND OTHER GRAVITY-FLOW APPLICATIONS" LATEST EDITION: AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC

BEDDING:
SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION

HAUNCHING AND INITIAL BACKFILL:
SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION

PIPE BEDDING DETAIL

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number	99193
CLC Job Number	99193
Drawn By	JME
Designed By	NWO
Checked By	JFS

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SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
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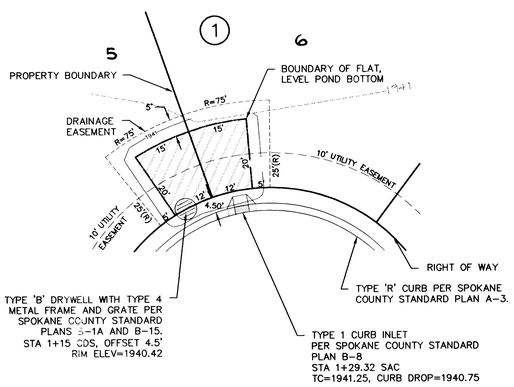
PERMIT REQUIRED
NOT TERMINATED
PRIOR TO CONSTRUCTION

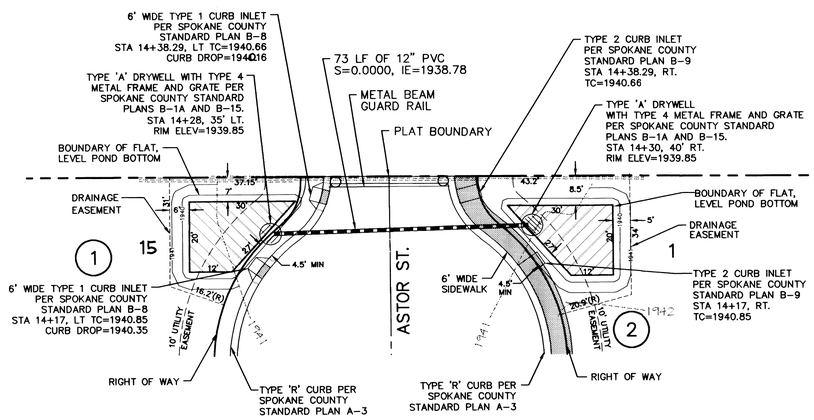


POND 2 DETAIL

1"=20'

POND BOTTOM ELEV = 1939.92
POND BOTTOM AREA = 567 S.F
POND VOLUME REQUIRED = 589 C.F.
POND VOLUME PROVIDED = 581 C.F.
MIN BERM ELEV = 1941.45

2/10



POND 3 DETAIL

1"=20'

POND BOTTOM ELEV. = 1939.35
POND BOTTOM AREA = 420 S.F
10 YR. POND VOLUME REQUIRED = 152 C.F.
POND VOLUME PROVIDED = 450 C.F.
MIN. BERM ELEV. = 1940.86

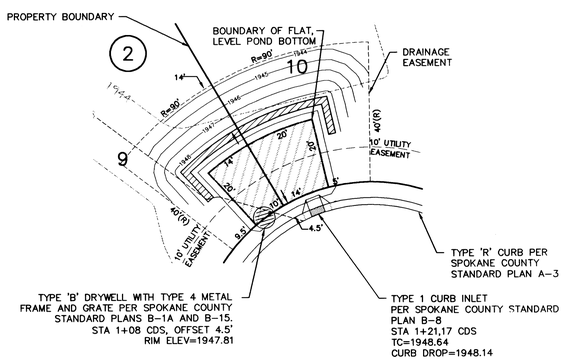
3/10

POND 4 DETAIL

1"=20'

POND BOTTOM ELEV. = 1939.35
POND BOTTOM AREA = 420 S.F.
10 YR. POND VOLUME REQUIRED = 301 C.F.
POND VOLUME PROVIDED = 450 C.F
MIN. BERM ELEV. = 1940.86

4/10



POND 5 DETAIL

1"=20'

POND BOTTOM ELEV. = 1947.31
POND BOTTOM AREA = 576 S.F.
POND VOLUME REQUIRED = 537 C.F.
POND VOLUME PROVIDED = 581 C.F.
MIN BERM ELEV = 1948.84

5/10

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

P1709A Eng. Roads Drainage

STREET PLANS
WESTWOOD NORTH FIRST ADDITION
POND DETAIL SHEET

Sheet Title
STREET PLANS

10 OF 15
Sheet Number

J:\Land Projects\99193\dwg\det3.dwg, 10/25/00 06:38:41 PM, JME

POND 6 DETAIL (1/11)

1"=20'

POND BOTTOM ELEV. = 1958.69
POND BOTTOM AREA = 200 S.F.
POND VOLUME REQUIRED = 105 C.F.
POND VOLUME PROVIDED = 100 C.F.

POND 7 DETAIL (2/11)

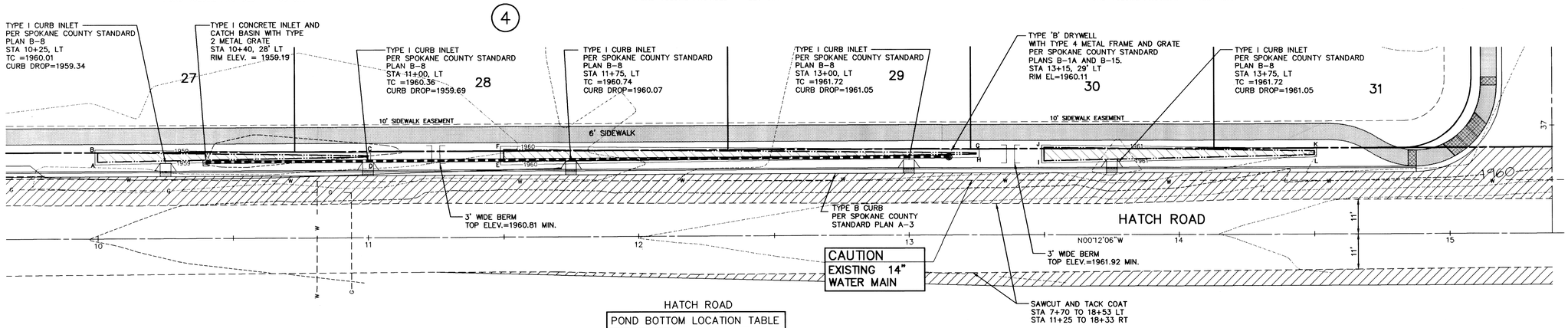
1"=20'

POND BOTTOM ELEV. = 1959.61
POND BOTTOM AREA = 437 S.F.
POND VOLUME REQUIRED = 42 C.F.
POND VOLUME PROVIDED = 220 C.F.

POND 8 DETAIL (3/11)

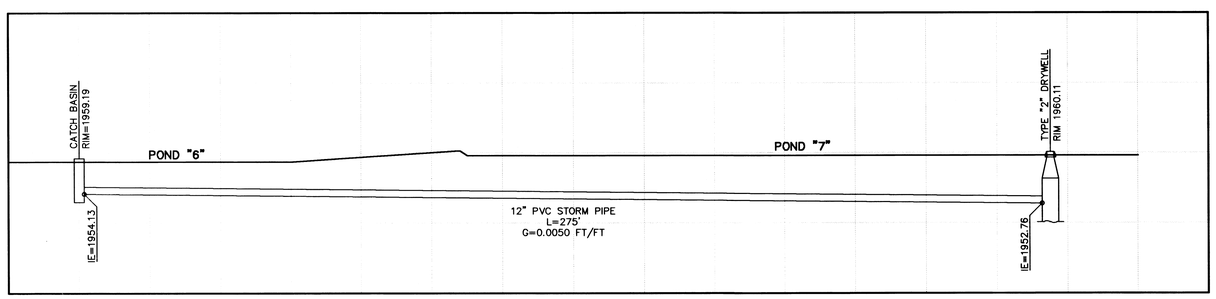
1"=20'

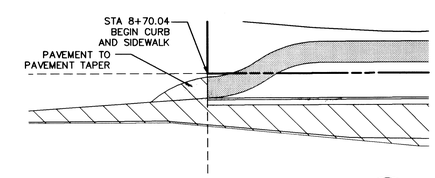
POND BOTTOM ELEV. = 1960.72
POND BOTTOM AREA = 325 S.F.
POND VOLUME REQUIRED = 59 C.F.
POND VOLUME PROVIDED = 165 C.F.



HATCH ROAD

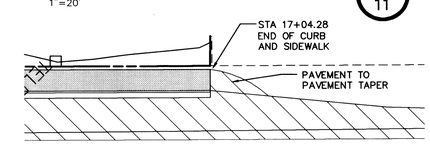
POND BOTTOM LOCATION TABLE			
POND	POINT	STATION	OFFSET
12	A	10+00	28.5' LT
12	B	10+00	32.0' LT
12	C	11+00	30.5' LT
12	D	11+00	30.0' LT
13	E	11+50	28.0' LT
13	F	11+50	32.5' LT
13	G	13+25	30.5' LT
13	H	13+25	30.0' LT
14	I	13+50	27.5' LT
14	J	13+50	32.5' LT
14	K	14+50	31.0' LT
14	L	14+50	29.5' LT





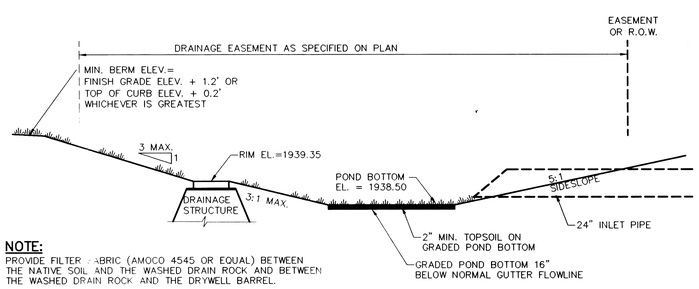
SIDEWALK DETAIL (6/11)

1"=20'



SIDEWALK DETAIL (7/11)

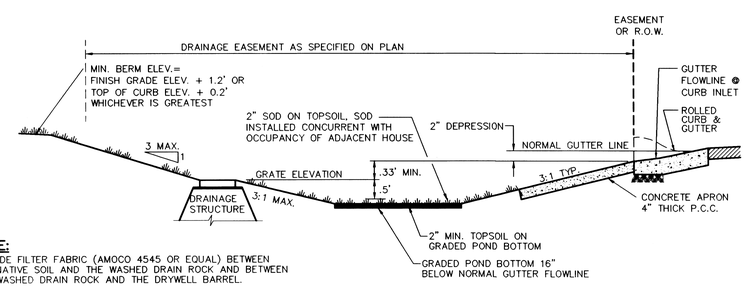
1"=20'



NOTE:
PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRYWELL BARREL.

TEMPORARY POND 1 SECTION

NOT TO SCALE



NOTE:
PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRYWELL BARREL.

SECTIONAL VIEW

TYPICAL DRAINAGE POND WITH STRUCTURE

NOT TO SCALE

NOTE:
1. BUILDER TO ADD IRRIGATION AND TURF GRASS TO POND.
2. NEED RECORD DRAWINGS FOR IRRIGATION FOR CERTIFICATION PACKAGE

WARNING:
THE USE OF SILTY LOAM IS PROHIBITED AS A POND BOTTOM MATERIAL.

SPOKANE COUNTY ENGINEERS OFFICE
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PROJECT #: P1709A
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PROJECT LANE MILES PUBLIC: .37
PROJECT LANE MILES PRIVATE:
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PERMIT REQUIRED
NOTIFY PERMIT ENGINEER 48 BUSINESS DAYS PRIOR TO CONSTRUCTION

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

P-1709A Eng. Road & Drainage

CLC Associates, Inc.
Planning
Engineering
Architecture
Landscape Architecture
Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone (509) 458-6840
Fax (509) 458-6844

JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION
NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

Date	Description
09/15/00	ORIGINAL PREPARATION
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number:	99193
CLC Job Number:	99193
Drawn By:	JME
Designed By:	NWO
Checked By:	JFS

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STREET PLANS

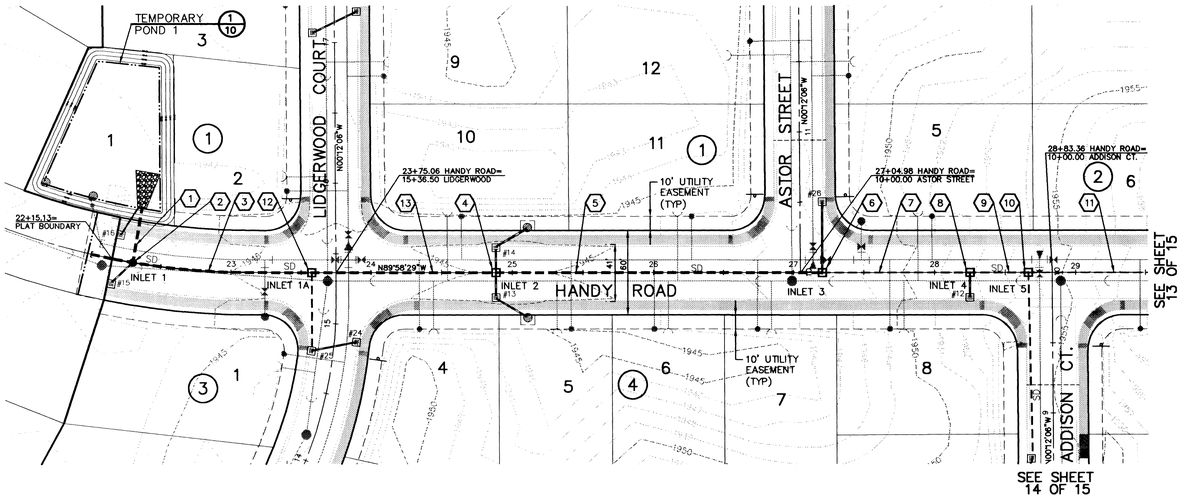
WESTWOOD NORTH FIRST ADDITION

POND DETAILS SHEET

Sheet Title
STREET PLANS

J:\Land Projects\99193\dwg\det5.dwg, 10/25/00 06:39:19 PM, JME

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. 40 LF OF 24" ADS N-12 SD, G = 0.0070, IE(N)=1938.82, IE(S)=1939.10.
2. STA 22+30. WSDOT TYPE 2 (72"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1942.98.
3. 127.67 LF OF 24" ADS N-12 SD, G = 0.0050, IE(W)=1939.10, IE(E)=1939.74.
4. STA 24+88.57. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1944.14.
5. 231.96 LF OF 24" ADS N-12 SD, G = 0.0062, IE(W)=1941.06, IE(E)=1942.50.
6. STA 27+20.53. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1947.96.
7. 104.47 LF OF 15" PVC SD, G = 0.0240, IE(W)=1942.82, IE(E)=1945.33.
8. STA 28+25. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1951.47.
9. 41.36 LF OF 15" PVC SD, G = 0.0177, IE(W)=1945.43, IE(E)=1946.16.
10. STA 28+66.36. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1953.40.
11. 184.25 LF OF 15" PVC SD, G = 0.0108, IE(W)=1946.26, IE(E)=1948.25.
12. STA 23+57.67. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1944.74.
13. 130.90 LF OF 24" ADS N-12 SD, G = 0.0066, IE(W)=1940.14, IE(E)=1941.00.

COUNTY DATUM

RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

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

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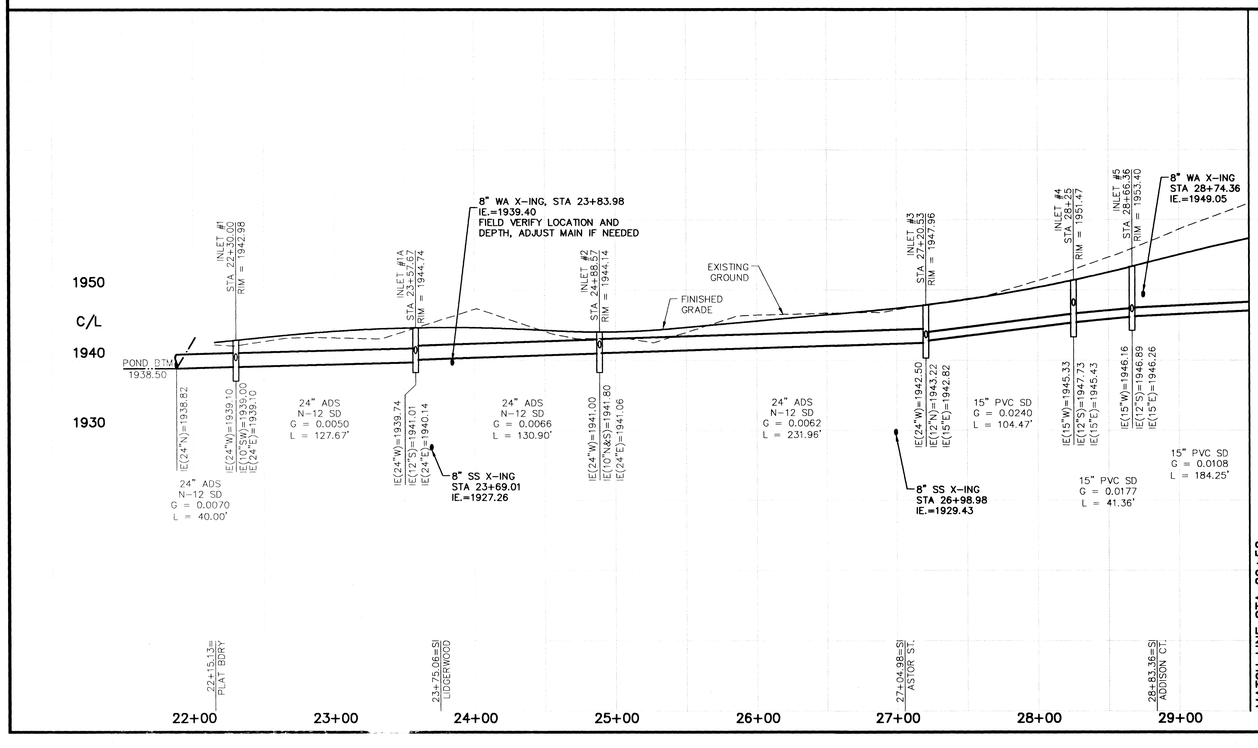
VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
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PROJECT #: P-1709A
DATE ACCEPTED: 10-23-00
ACCEPTANCE EXPIRES: 10-23-03
PROJECT LANE MILES PUBLIC: .72
PROJECT LANE MILES PRIVATE:
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PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

STORM DRAINAGE
WESTWOOD NORTH FIRST ADDITION
HANDY ROAD
(STA. 22+15.13 TO STA. 29+50

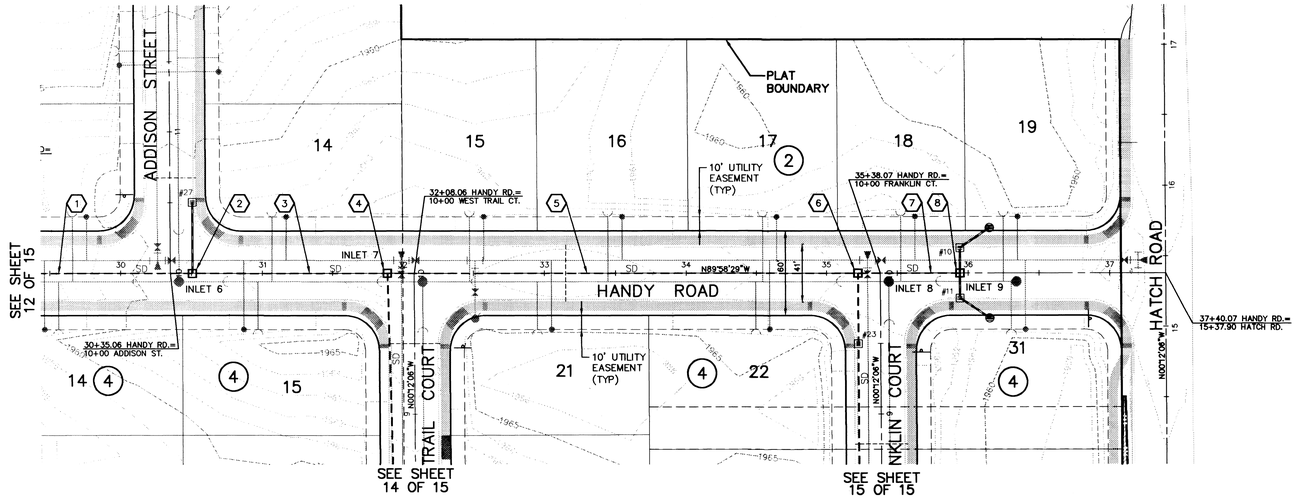
Sheet Title
STORM PLANS

12 OF 15
Sheet Number

J:\Land Projects\99193\dwg\Std_Handy.dwg, 10/25/00 08:40:04 PM, JME

P1709A Eng Road & Drainage

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. 184.25 LF OF 15" PVC, G = 0.0108, IE(W)=1948.25, IE(E)=1946.26.
2. STA 30+50.61. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1960.84.
3. 138.47 LF OF 15" PVC, G = 0.0050, IE(W)=1948.20, IE(E)=1948.89.
4. STA 31+89.08. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1962.97.
5. 333.25 LF OF 12" PVC, G = 0.0050, IE(W)=1948.99, IE(E)=1950.66.
6. STA 35+22.33. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1961.48.
7. 72.67 LF OF 12" PVC, G = 0.0588, IE(W)=1950.76, IE(E)=1955.03.
8. STA 35+95. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1961.07.

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

CLC Associates, Inc.
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Land Surveying
707 W. 7th Avenue, Suite 200
Spokane, Washington 99204
Phone: (509) 458-6840
Fax: (509) 458-6844

JOHN F. SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/02

PREPARED UNDER THE DIRECT SUPERVISION OF JOHN F. SAYWERS, P.E. WASHINGTON REGISTRATION NO. 36212 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
09/15/00	ORIGINAL SUBMITTAL
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number: 99193
CLC Job Number: 99193
Drawn By: JME
Designed By: NWO
Checked By: JFS

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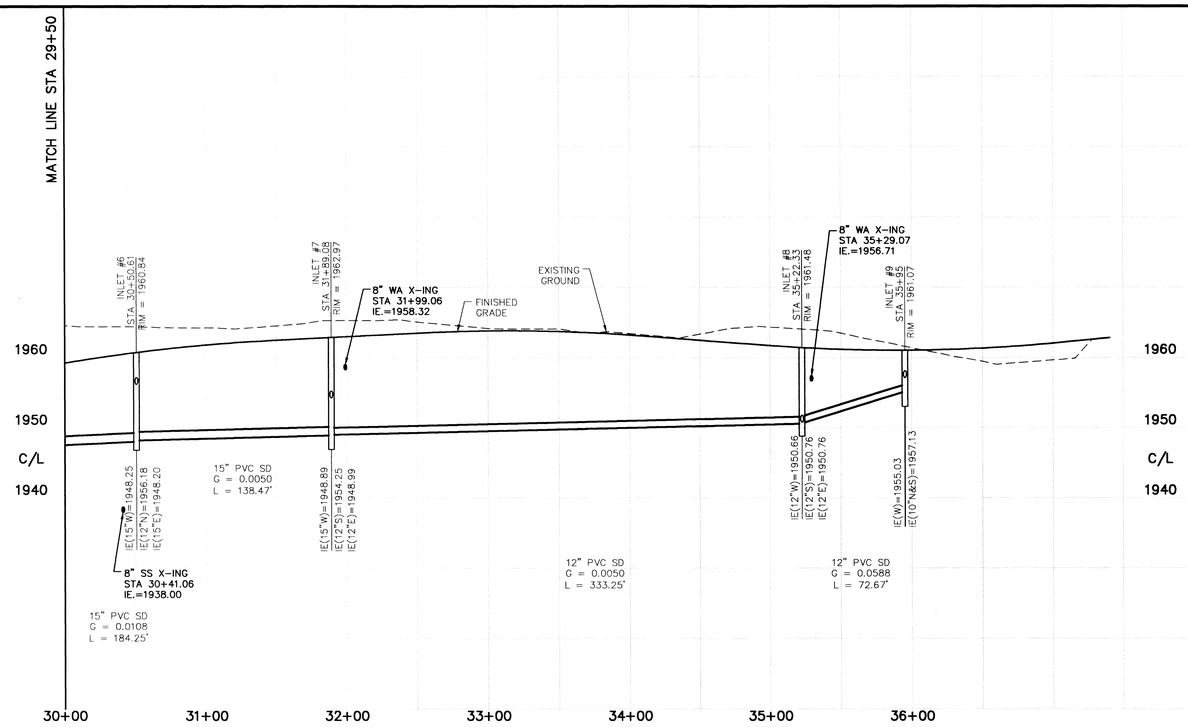
COUNTY DATUM
RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

DEVELOPER'S APPROVAL — DATE 10/26/00

VERTICAL SCALE: 1"=10'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1709A
DATE ACCEPTED: 10-23-00
ACCEPTANCE EXPIRES: 10-23-03
PROJECT LANE MILES PUBLIC: .32
PROJECT LANE MILES PRIVATE: —
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, WHICH MUST BE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-5600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

STORM DRAINAGE
WESTWOOD NORTH FIRST ADDITION
HANDY ROAD
(STA. 29+50 TO STA. 36+15.14)

Sheet Title
STORM PLANS

13 OF 15
Sheet Number

P-1709A Eng Roads & Drainage

J:\Land Projects\99193\dwg\Sd_Handy.dwg, 10/25/00 06:40:15 PM, JME

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
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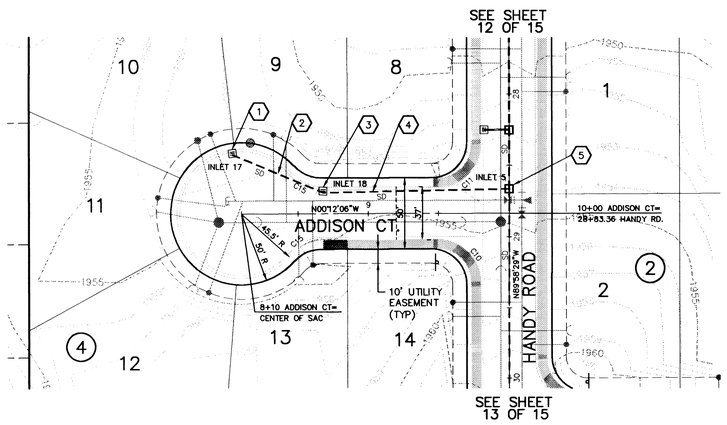
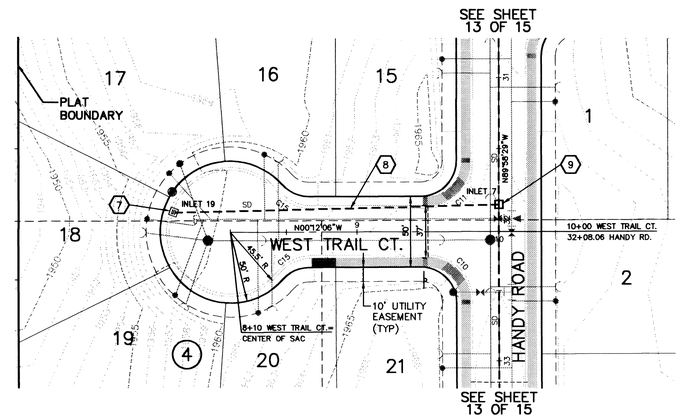
JOHN FRANK SAYWERS, STATE OF WASHINGTON, 36212, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 5/18/00

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION
NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

GENERAL NOTES

1. STA 0+71.57, CUL-DE-SAC. TYPE 1 CATCH BASIN WITH TYPE 2 METAL FRAME,GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AN B-17. RIM ELEV=1950.99.
2. 69' OF 12" PVC, G = -0.0050, IE(S)=1947.99, IE(N)=1947.65.
3. STA 8+67.86, 17' LT. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1953.28.
4. 132.28' OF 12" PVC, G = -0.0050, IE(S)=1947.55, IE(N)=1946.89.
5. STA 10+00 17' LT. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM EL=1953.40.
6. NOT USED
7. STA 1+20.45, CUL-DE-SAC. TYPE 1 CATCH BASIN WITH TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AN B-17. RIM ELEV=1958.40.
8. 229.50' OF 12" PVC, G = -0.0050, IE(S)=1955.40, IE(N)=1954.25.
9. STA 10+00, 18.98' LT. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM EL=1962.87.





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

COUNTY DATUM
RR SPIKE IN W. FACE OF P.P.
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

Date	Description
09/15/00	ORIGINAL SUBMITTAL
09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

Project Number:	99193
CLC Job Number:	99193
Drawn By:	JME
Designed By:	NWO
Checked By:	JFS

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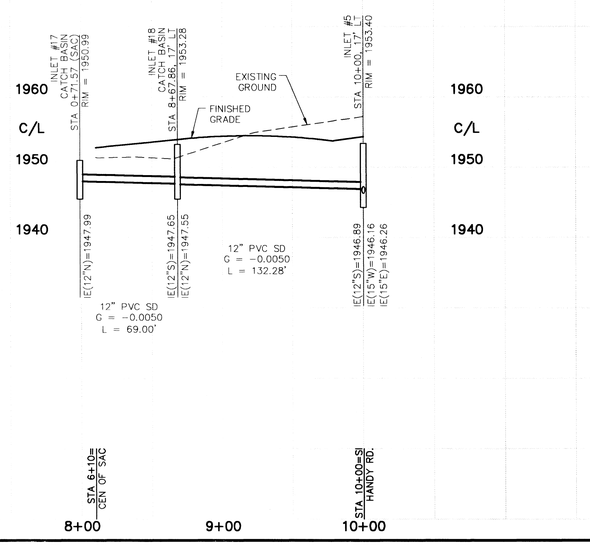
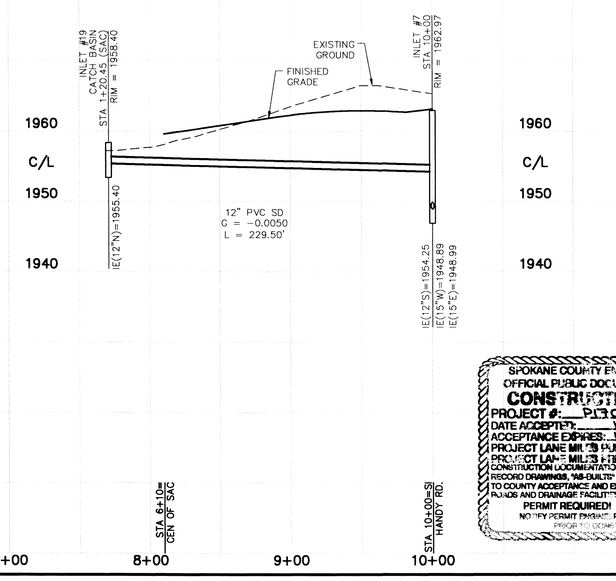
VERTICAL SCALE: 1"=10'





SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-17069A
DATE ACCEPTED: 10-23-00
ACCEPTANCE EXPIRES: 10-23-03
PROJECT LANE MILES PUBLIC: .32
PROJECT LANE MILES PRIVATE: —
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 24 BUSINESS HOURS PRIOR TO CONSTRUCTION

STORM DRAINAGE
WESTWOOD NORTH FIRST ADDITION
ADDISON COURT AND WEST TRAIL COURT

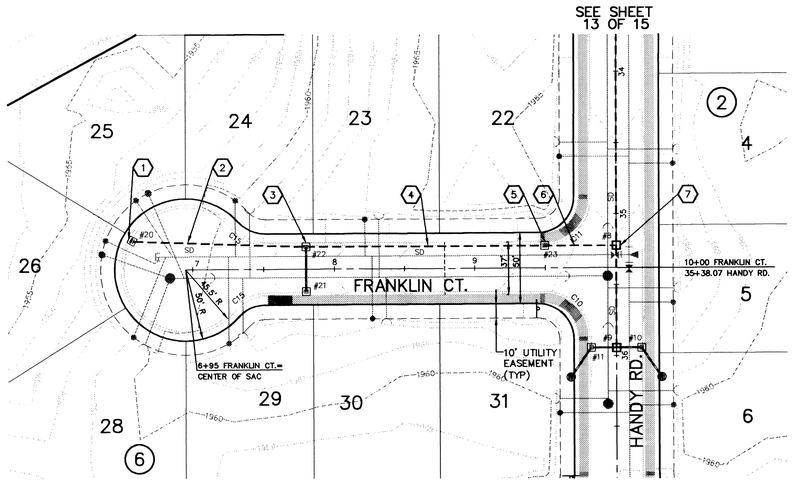
Sheet Title
STORM PLANS

14 OF 15
Sheet Number

P-17069A Eng Road & Drainage

J:\Land Projects\99193\dwg\Sd_West trail.dwg, 10/25/00 08:40:51 PM, JME

SEC. 20, T.27 N., R.43 E.,W.M.
SPOKANE COUNTY, WASHINGTON



CONSTRUCTION NOTES

1. STA 1+13.76, CUL-DE-SAC., 4' WIDE TYPE 1 CATCH BASIN W/ TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17. RIM ELEV=1959.25.
2. 120 LF OF 12" PVC, G=-0.0150, IE(S)=1957.25, IE(N)1955.45.
3. STA 7+80, 17' LT., TYPE "B" DRYWELL WITH TYPE 1 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-1, B-10, B-12, B-17 AND B-18. RIM ELEV=1961.49.
4. 169.65 L.F. OF 12" PVC. S=0.0221, IE(S)=1955.35, IE(N)=1951.60.
5. STA 9+49.65, 17' LT., 4' WIDE TYPE 1 CATCH BASIN W/ TYPE 2 METAL FRAME, GRATE AND GRATE GUARD PER SPOKANE COUNTY STANDARD PLANS B-4, B-7, B-11, B-13 AND B-17. RIM ELEV=1961.71.
6. 50.35 L.F. OF 12" PVC. S=0.0147, IE(S)=1951.50, IE(N)=1950.76.
7. STA 10+00, 15.74' LT. WSDOT TYPE 2 (48"DIA) CATCH BASIN WITH SOLID METAL COVER PER STANDARD PLANS B-1e, B-1z AND B-2. RIM ELEV=1961.53.

COUNTY DATUM

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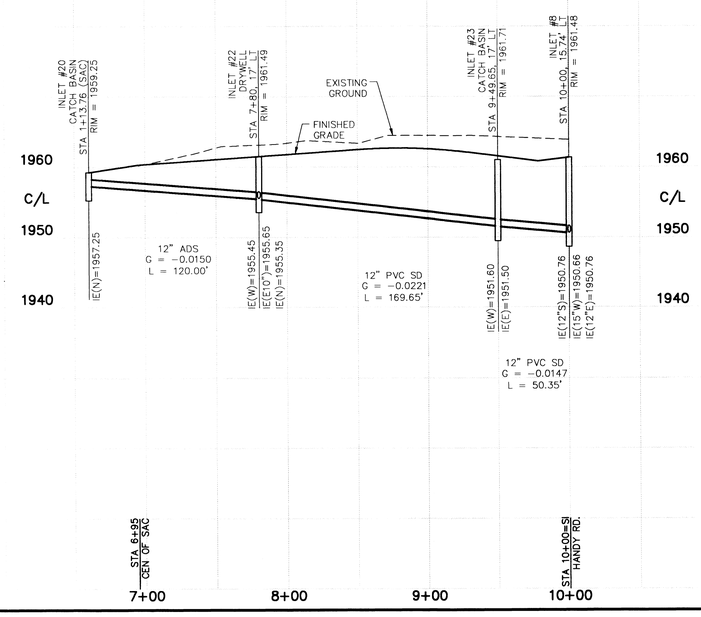
28' E. OF C/L OF HATCH RD.
61' N. OF S. PLAT BOUNDARY
WESTWOOD ESTATES #2
EL.=1943.71

Mike Hume
DEVELOPER'S APPROVAL

10/26/00
DATE

VERTICAL SCALE: 1"=10'



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P-1709A Eng. Road & Drainage

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JOHN FRANK SAYWERS
STATE OF WASHINGTON
36212
REGISTERED PROFESSIONAL ENGINEER
10/25/00
EXPIRES 5/18/01

PREPARED UNDER THE DIRECT SUPERVISION OF
JOHN F. SAYWERS, P.E.
WASHINGTON REGISTRATION NO. 36212
FOR AND ON BEHALF OF
CLC ASSOCIATES, INC.

Date	Description
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09/29/00	SECOND PREPARATION
10/25/00	FINAL PREPARATION

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STORM DRAINAGE
WESTWOOD NORTH FIRST ADDITION
FRANKLIN COURT

Sheet Title
STORM PLANS

15 OF 15
Sheet Number

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