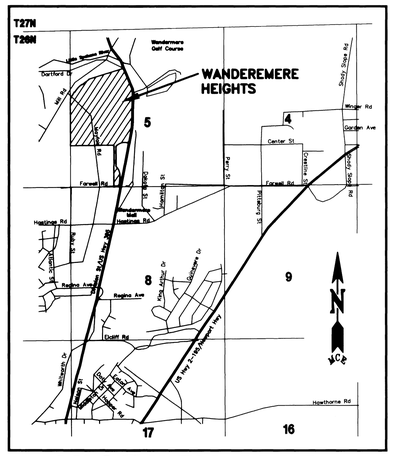
WANDERMERE HEIGHTS

STREET & DRAINAGE PLANS

SECTION 5, T.26 N., R.43 E., W.M.
SPOKANE COUNTY, WASHINGTON

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



VICINITY MAP

GENERAL NOTES – STREET/DRAINAGE

GENERAL:

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, AND AS AMENDED.
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE ACCEPTED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
5. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS.
6. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 1(800)424-5555 BEFORE YOU DIG.
7. GEOTEXTILE FABRIC SHALL BE PLACED BETWEEN THE RIMS AND GRATES 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.

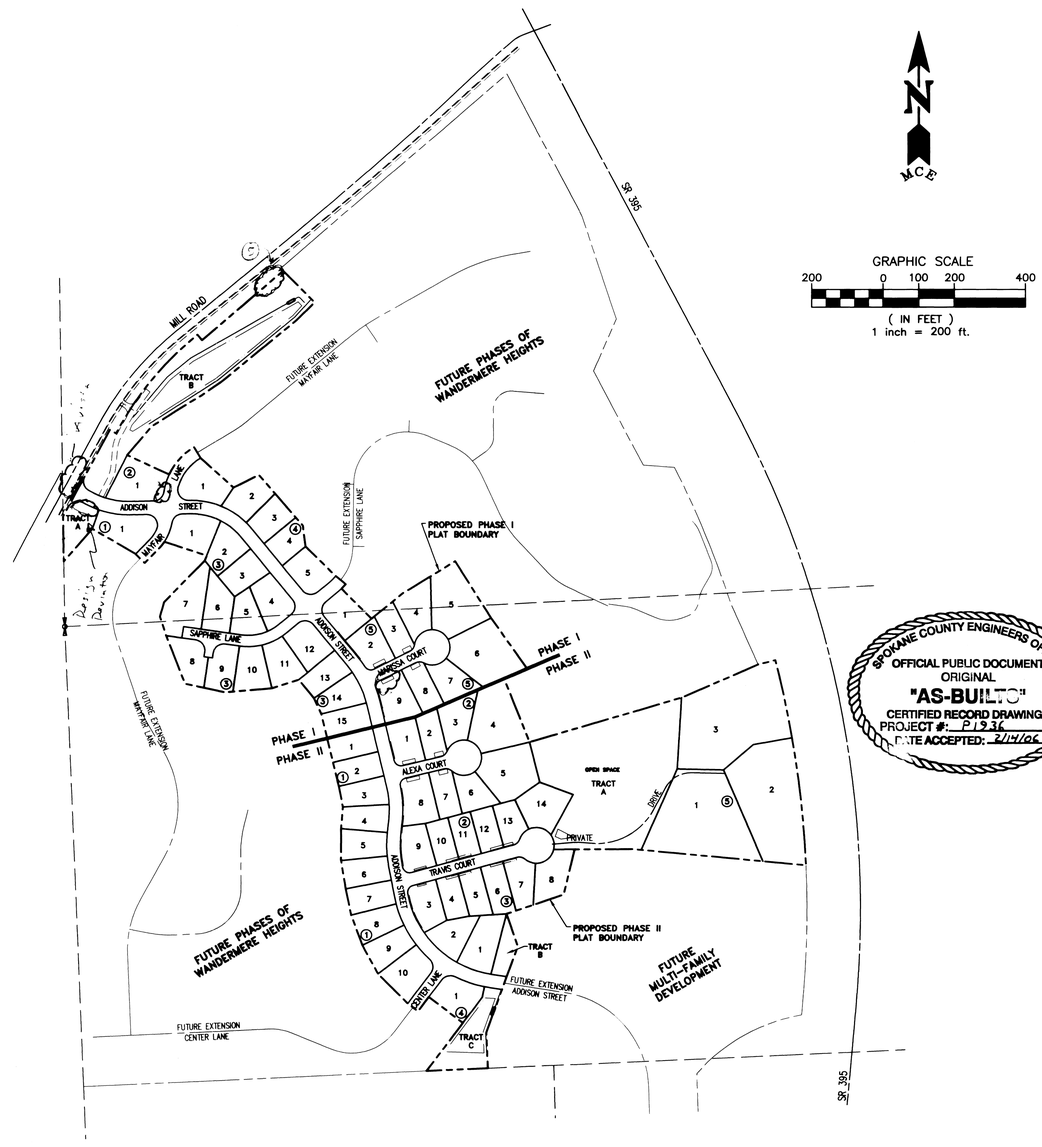
GRASSED PERCOLATION AREA (GPA) – WHEN APPLICABLE:

8. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE AND THE SIDESLOPES 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 VERIFYING 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/OR SOD, AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

EROSION/SEDIMENTATION CONTROL (ESC) – WHEN APPLICABLE: (SEE SHEET 2)

9. AN EROSION/SEDIMENTATION CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE AND UPGRADING OF THE ESC FACILITIES, ARE THE 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, WHICH EVER IS LATER.
10. 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.
11. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS THE CONTRACTOR SHALL INSPECT AND MAINTAIN THE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM EITHER FLOWING OFF THE SITE OR INTO NEW AND/OR EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, INLETS, CATCH BASINS OR GRAVEL GALLERIES.
12. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE.

DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET



GRAPHIC SCALE
200 0 100 200 400
(IN FEET)
1 inch = 200 ft.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILT"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1936
DATE ACCEPTED: 2/14/06

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.

PROJECT CONTACTS

CLIENT CONTACT	WANDERMERE HEIGHTS, LLC CRAIG CONDRON (509) 325-4805 FAX: 327-9562	PROJECT ENGINEER	MOUNTAIN CREST ENTERPRISES, INC. NELSON W. OGREN, P.E. (509) 466-5794 FAX: 466-1514
GOVERNING AGENCY	SPOKANE COUNTY ENGINEERING MATT ZAMECOR, P.E. (509) 477-3600 FAX: 477-7655	FIRE DISTRICT	SPOKANE COUNTY FIRE DISTRICT No. 9 DAN WALSH (509) 466-4602

LEGEND

EXISTING | PROPOSED

SURFACE FEATURES
PLAT BOUNDARY
CENTER LINE
RIGHT-OF-WAY LINE
PROPERTY LINE
EASEMENT LINE
CURB LINE
SIDEWALK
EDGE OF PAVEMENT
EDGE OF GRAVEL
DITCH LINE
FENCE LINE
BUILDINGS/STRUCTURES
CONTOUR (MAJOR) — 2000
CONTOUR (MINOR) — 2005

SANITARY SEWER
SEWER MAIN (w/ Flow)
MANHOLE
CLEAN-OUT
SIDE SERVICE

WATER
WATER MAIN
VALVE
HYDRANT
BLOW-OFF ASSEMBLY
AIR/VACUUM RELIEF
SERVICE

STORM DRAINAGE
STORM MAIN
CATCH BASIN
MANHOLE
DRYWELL
POND BOTTOM

UTILITIES
GAS MAIN
POWER LINE
TELEPHONE
POWER VAULT
POWER/LIGHT POLE

SHEET INDEX

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ADDISON STREET STA 21+50 TO 32+00	(PHASE I)	4
ADDISON STREET STA 17+81.05 TO 21+50		5
MAYFAIR LANE STA 24+46.96 TO 27+98.79	(PHASE I)	6
SAPPHIRE LANE STA 6+17.33 TO 11+20.37	(PHASE I)	7
MARISSA COURT STA 10+00 TO 12+10	(PHASE I)	8
ALEXA COURT STA 10+00 TO 12+10.49		9
TRAVIS COURT STA 10+00 TO 14+00		10
PRIVATE DRIVE STA 0+00 TO 5+74.44		10A
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DRAINAGE DETAILS	(PHASE I)	15
DRAINAGE DETAILS	(PHASE I)	16

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

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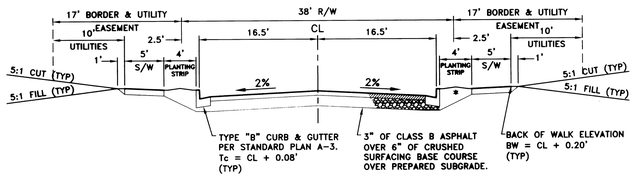
WANDERMERE HEIGHTS
COVER SHEET
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 1 of 16

P-1936 Eng As Built

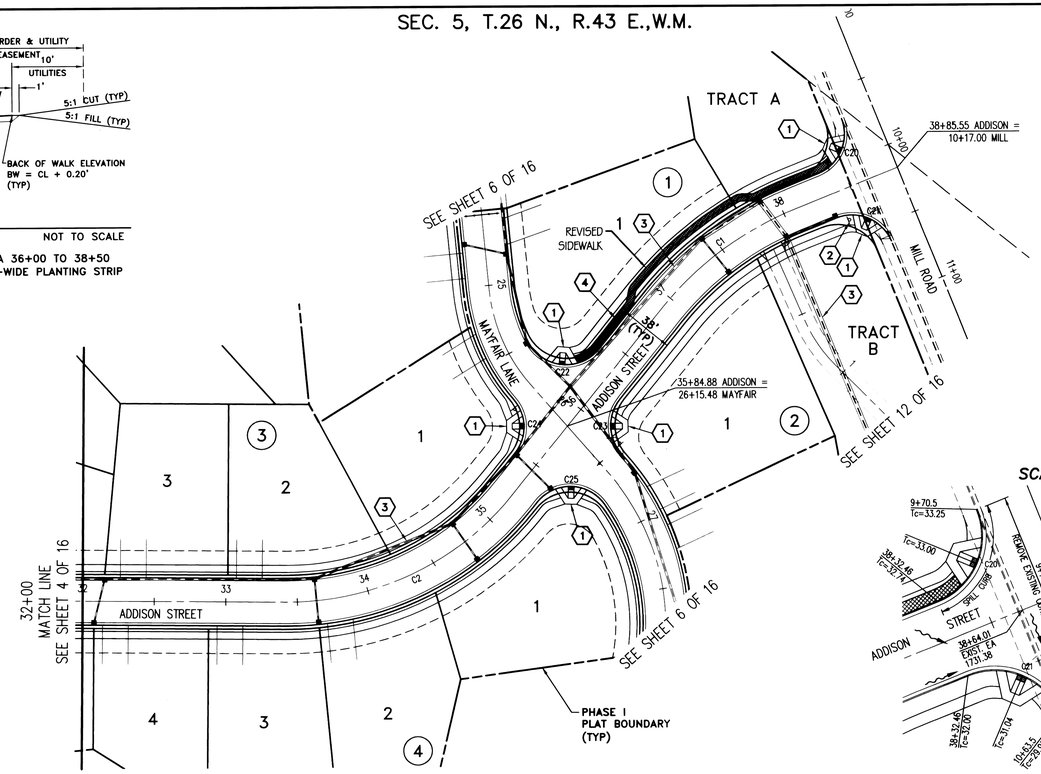
SEC. 5, T.26 N., R.43 E.,W.M.

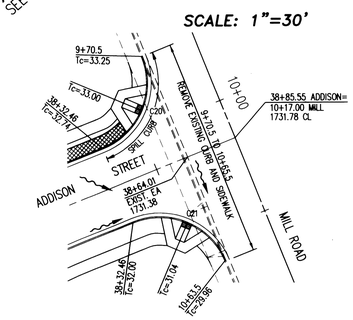


ADDISON STREET

NOT TO SCALE

*NOTE:
STA 36+00 TO 38+50
7'-WIDE PLANTING STRIP





GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.
Contour Interval: 2 Feet

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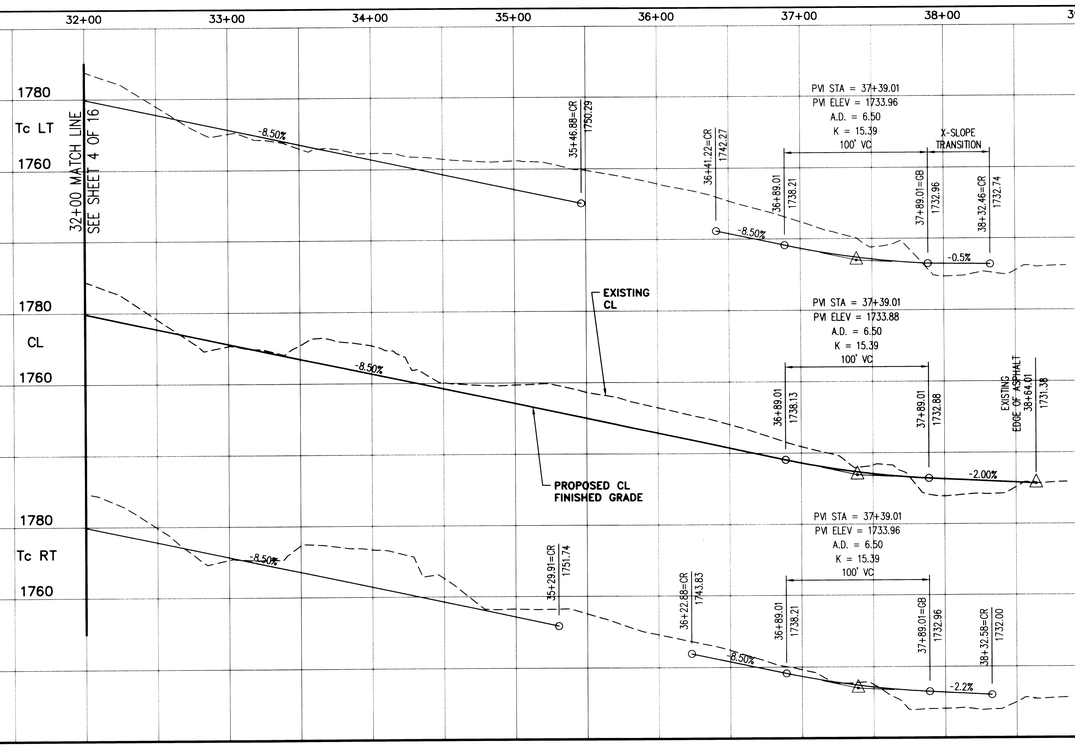
Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/08/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

CONSTRUCTION NOTES

1. CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN "B".
2. INSTALL STOP SIGN AND STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
3. SEE DRAINAGE DETAILS SHEET 13.
4. STA 36+64.0 25-MPH SPEED LIMIT SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C1	117.04	230.00	59.81	115.78	29°09'18"
C2	180.04	200.00	96.63	174.02	51°34'36"
C20	47.11	30.00	29.99	42.42	89°58'48"
C21	47.11	30.00	29.99	42.42	89°58'28"
C22	59.17	30.00	45.33	50.03	113°00'18"
C23	41.89	30.00	25.17	38.57	80°00'00"
C24	41.82	30.00	25.11	38.51	79°52'03"
C25	55.32	30.00	39.56	47.81	105°39'11"

DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1936
DATE ACCEPTED: 2/14/06

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P.O. Box 1800, Mead, WA 98021
(509) 466-5794 Fax: 466-1514

WANDERMERE HEIGHTS
ADDISON STREET
STA 32+00 TO STA 38+64.01
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 3 of 16

P-1936 Engr's Built

SEC. 5, T.26 N., R.43 E.,W.M.

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.
Contour Interval: 2 Feet

MCE

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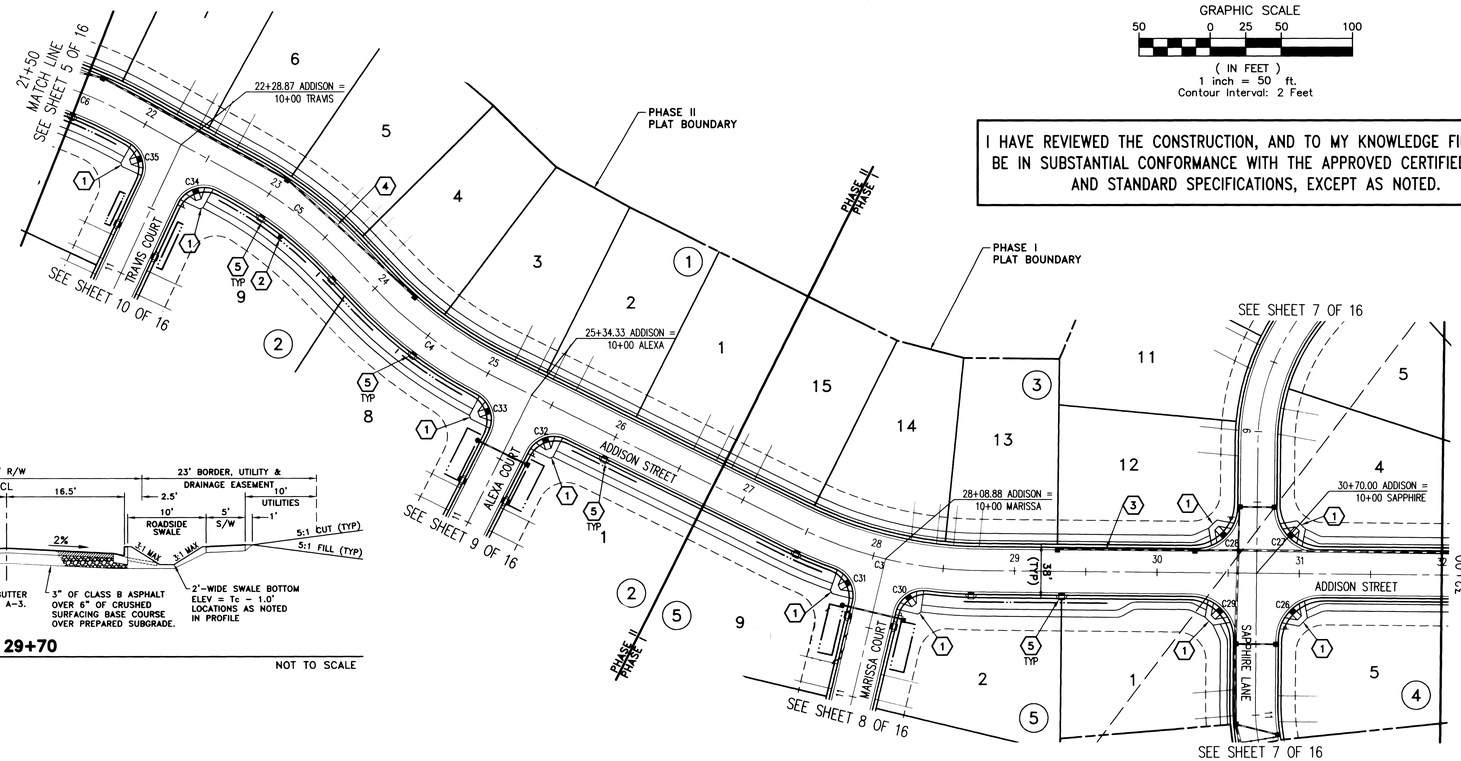
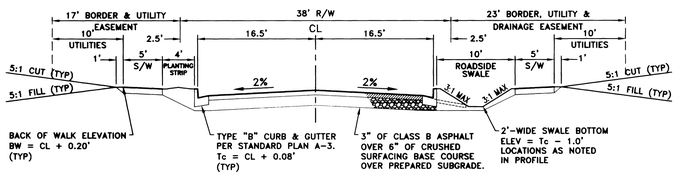


CONSTRUCTION NOTES

1. CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN "B".
2. STA 23+25, 20' RT. TYPE A DRYWELL WITH TYPE 4 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-1 AND B-15. RIM ELEV=1794.09.
3. SEE DRAINAGE DETAILS SHEET 13.
4. SEE DRAINAGE DETAILS SHEET 14.
5. TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8. L=3' (TYPICAL). SEE PROFILE FOR CURB DROP LOCATIONS.

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C3	135.84	300.00	69.10	134.68	25°56'37"
C4	103.36	300.00	52.20	102.85	19°44'23"
C5	90.75	300.00	45.73	90.41	17°19'58"
C6	366.85	300.00	210.31	344.42	70°03'46"
C26	47.12	30.00	30.00	42.43	90°00'00"
C27	47.12	30.00	30.00	42.43	90°00'00"
C28	47.12	30.00	30.00	42.43	90°00'00"
C29	47.12	30.00	30.00	42.43	90°00'00"
C30	29.30	20.00	17.99	26.75	83°56'39"
C31	29.30	20.00	17.99	26.75	83°56'39"
C32	31.42	20.00	20.00	28.28	90°00'00"
C33	31.02	20.00	19.60	28.00	88°51'09"
C34	32.81	20.00	21.45	29.25	94°00'00"
C35	30.02	20.00	18.65	27.28	86°00'00"

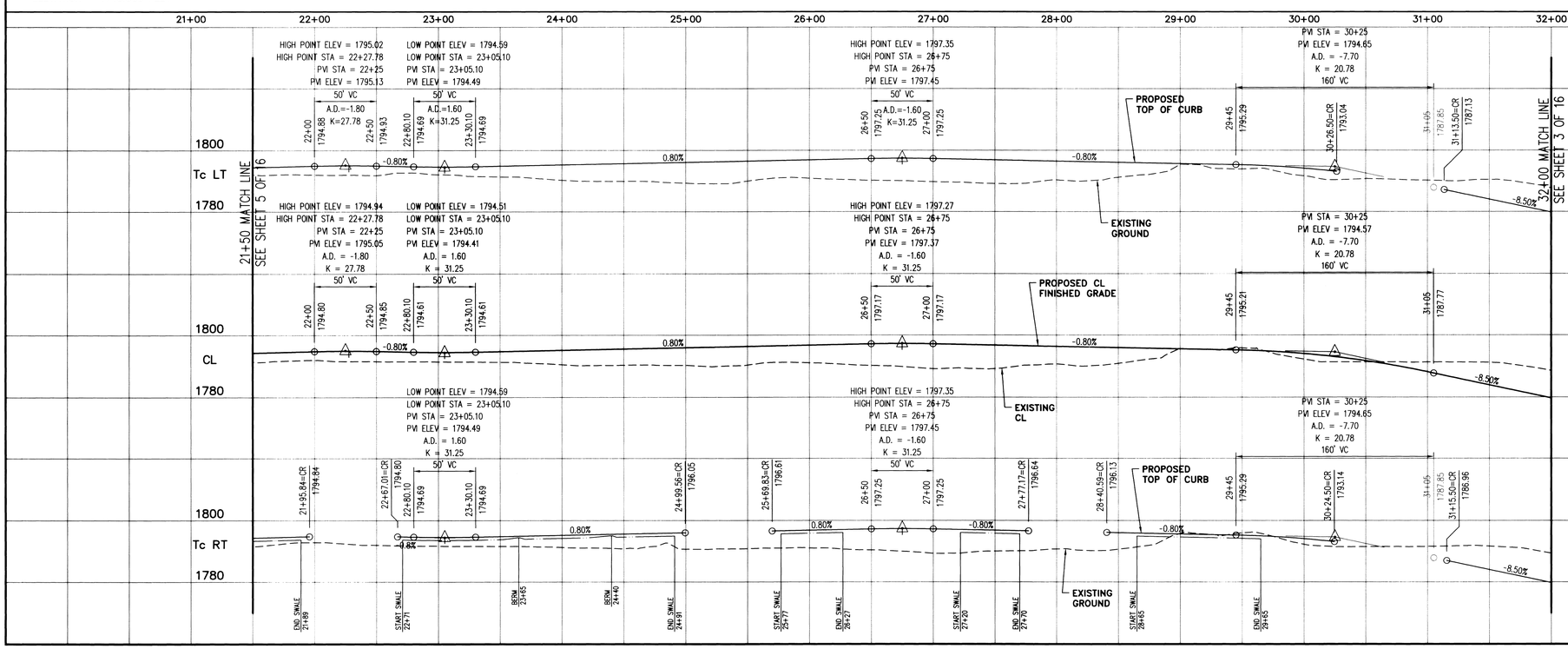


ADDISON STREET – STA 20+80 TO 29+70

NOT TO SCALE

DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

VERTICAL SCALE: 1"=20'



CURB DROP
21+50.0
23+05.1
23+75.0
24+50.0
26+00.0
27+50.0
28+70.0
29+33.2

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT#: P1936
DATE ACCEPTED: 2/14/06

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

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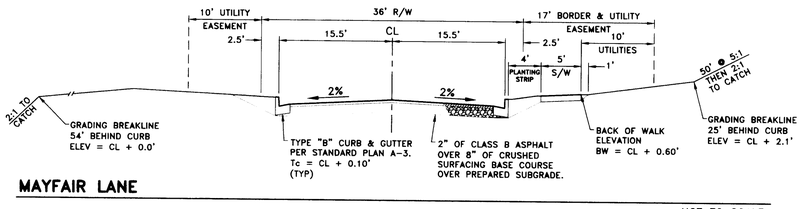
WANDERMERE HEIGHTS
ADDISON STREET
STA 21+50 TO STA 32+00
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 4 of 16

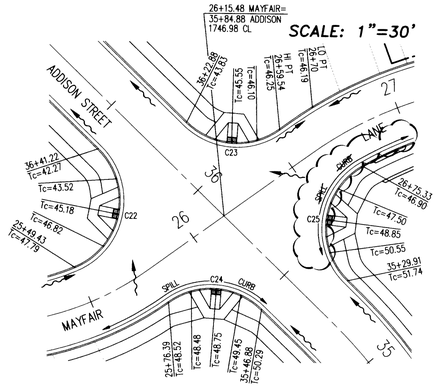
P-1936 Eng As Built

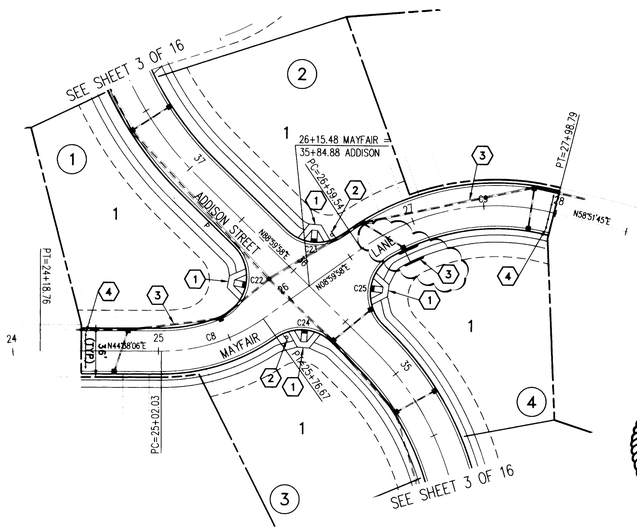
SEC. 5, T.26 N., R.43 E.,W.M.

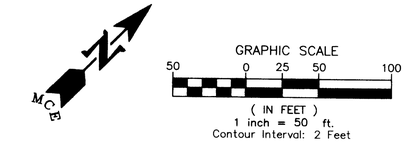


MAYFAIR LANE

NOT TO SCALE







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12/13/05	RECORD DRAWING (PHASE I)	MEI
11/20/09	AS-BUILT OF TRENCH DRAIN REVISION	DNW

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.

DANIEL W. NATHAN WOLF
STATE OF WASHINGTON
39934
REGISTERED PROFESSIONAL ENGINEER
11/20/09

CLOUDED REVISIONS ONLY

CONSTRUCTION NOTES

1. CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN "B".
2. STOP SIGN AND STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
3. SEE DRAINAGE DETAILS SHEET 15.
4. WSDOT TYPE III BARRICADE WITH "END OF ROADWAY" SIGN.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1936
DATE ACCEPTED: 11/24/09

* Revised to reflect corrective field changes after certification.

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C8	74.63	120.00	38.57	73.44	35°38'08"
C9	139.24	160.00	74.38	134.89	49°51'48"
C22	59.17	30.00	45.33	50.03	113°00'18"
C23	41.89	30.00	25.17	38.57	80°00'00"
C24	41.82	30.00	25.11	38.51	79°52'03"
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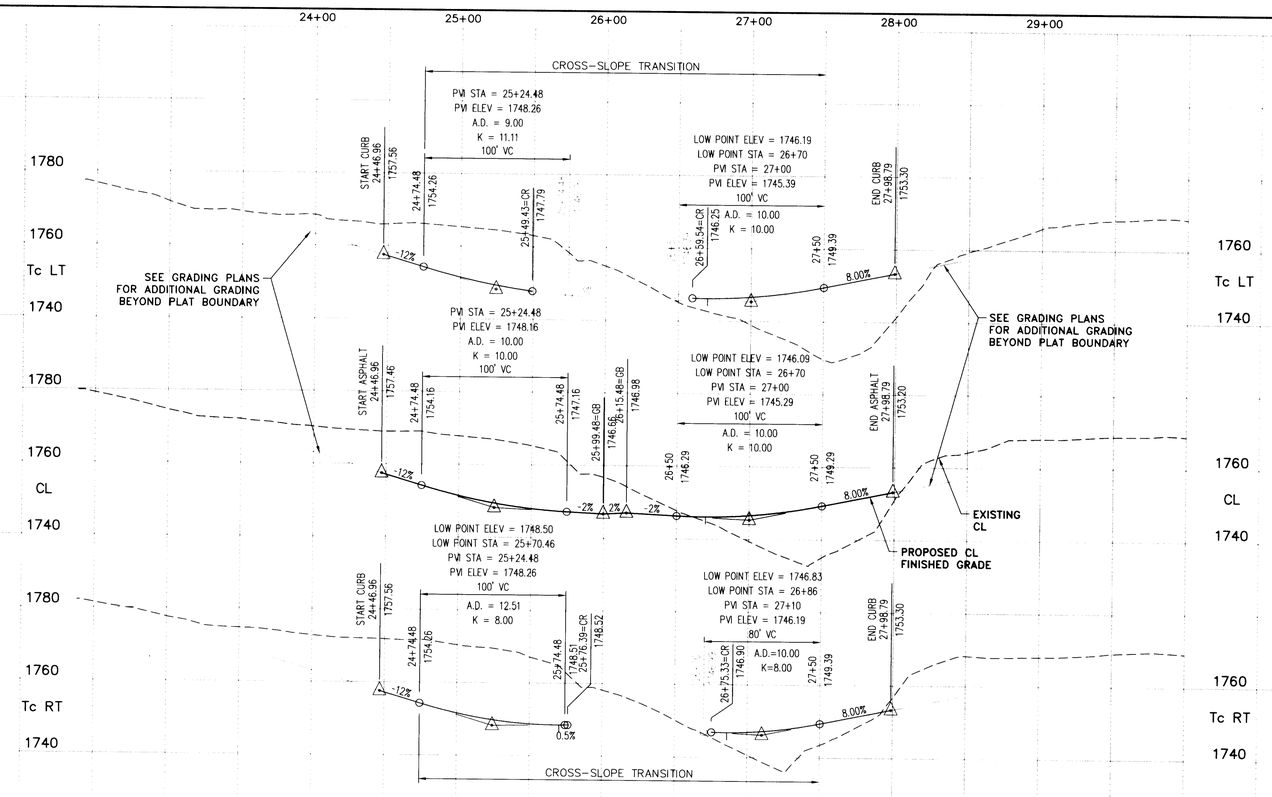

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STA 24+46.96 TO STA 27+98.79
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Sheet: 6 of 16

P-1936 Eng As Built
Revised

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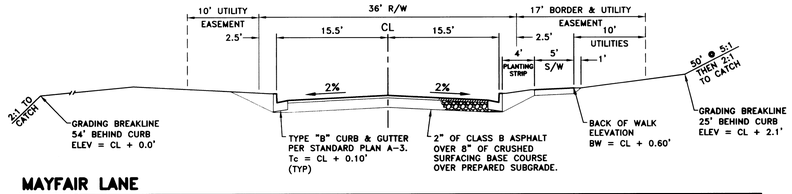
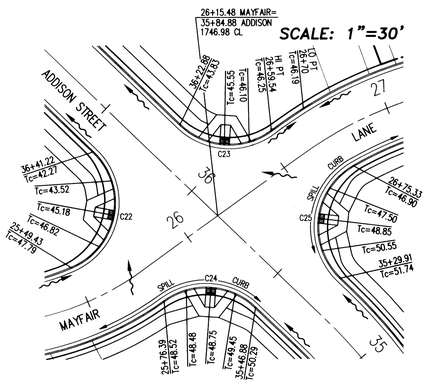
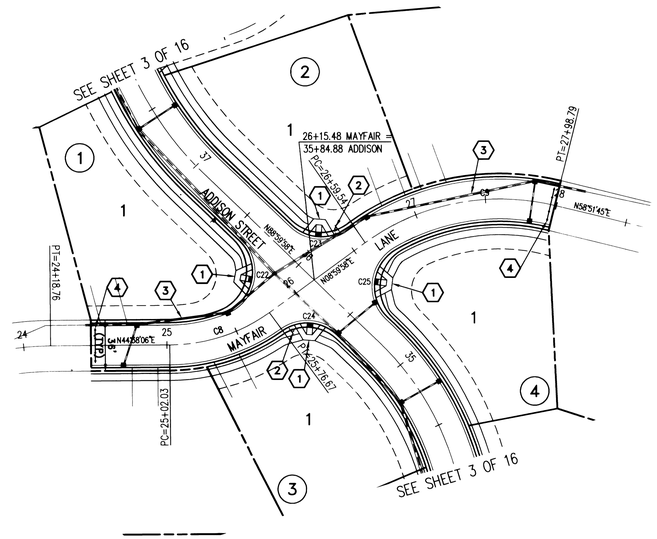


MAYFAIR LANE

NOT TO SCALE





GRAPHIC SCALE

50 0 25 50 100

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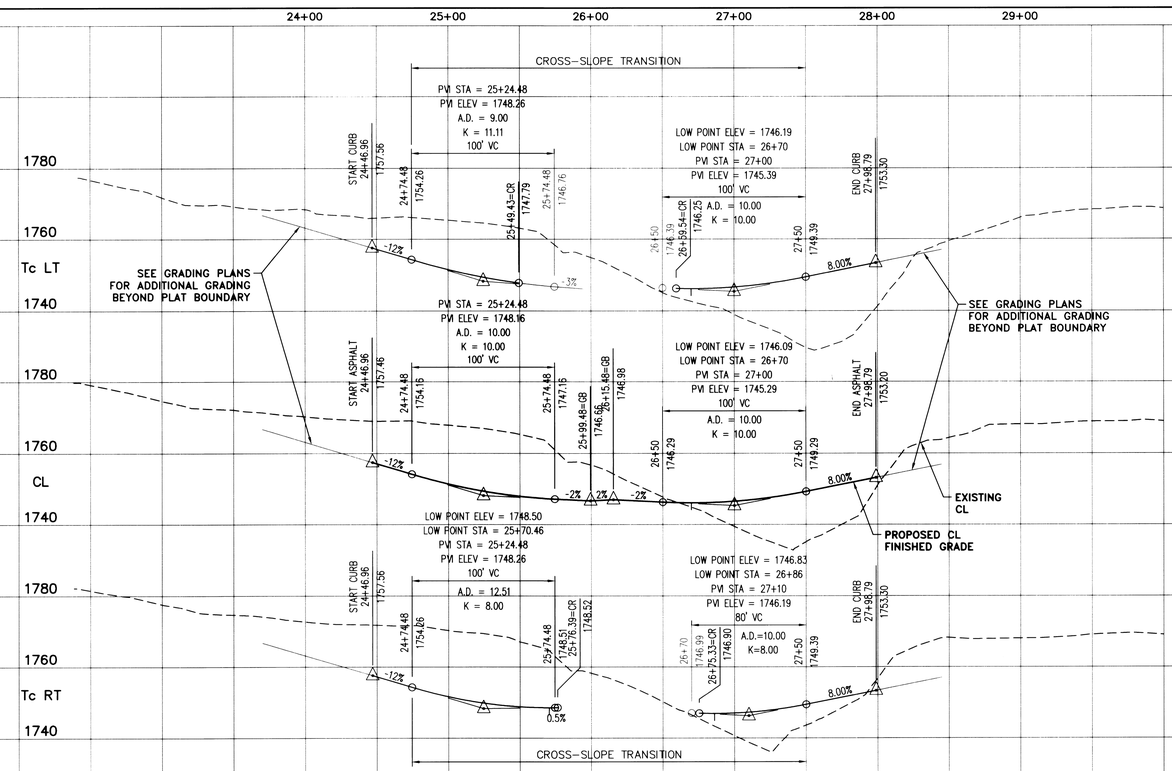
DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

VERTICAL SCALE: 1"=20'



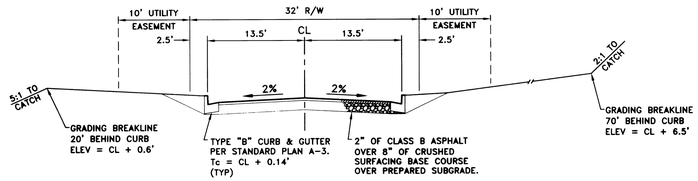
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1936
DATE ACCEPTED: 2/14/06

Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

WANDERMERE HEIGHTS
MAYFAIR LANE
STA 24+46.96 TO STA 27+98.79
SPOKANE COUNTY, WA

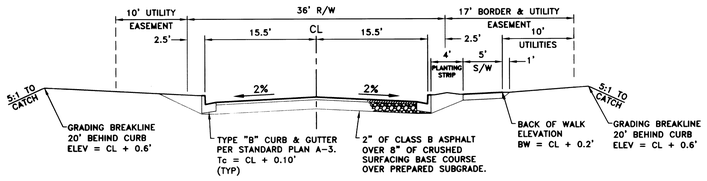
STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 6 of 16

P1936 Engr's Built



SAPPHIRE LANE (STA 6+17 TO 10+00)

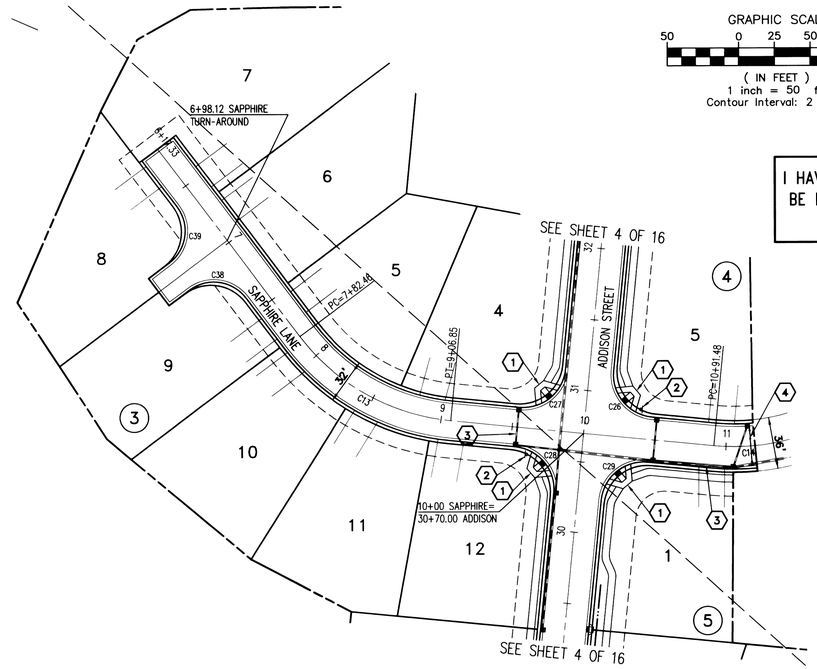
NOT TO SCALE



SAPPHIRE LANE (STA 10+00 TO 12+00)

NOT TO SCALE

SEC. 5, T.26 N., R.43 E.,W.M.



GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.
Contour Interval: 2 Feet

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

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

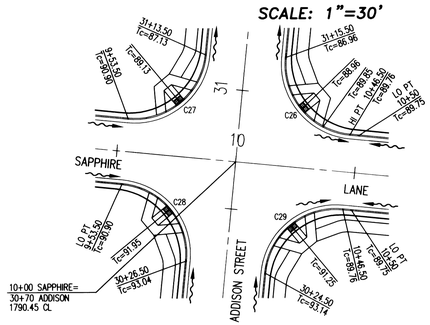
CONSTRUCTION NOTES

1. CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN "B".
2. STOP SIGN AND STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
3. SEE DRAINAGE DETAILS SHEET 16.
4. WSDOT TYPE III BARRICADE WITH "END OF ROADWAY" SIGN.

CURVE TABLE

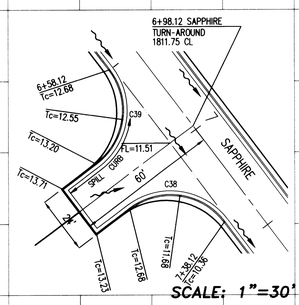
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C13	124.39	150.00	66.02	120.86	47°30'50"
C14	130.84	150.00	69.91	126.73	49°58'36"
C20	47.11	30.00	29.99	42.42	89°58'48"
C21	47.11	30.00	29.99	42.42	89°58'28"
C26	47.12	30.00	30.00	42.43	90°00'00"
C27	47.12	30.00	30.00	42.43	90°00'00"
C28	47.12	30.00	30.00	42.43	90°00'00"
C29	47.12	30.00	30.00	42.43	90°00'00"
C38	44.77	28.50	28.50	40.30	89°59'59"
C39	44.77	28.50	28.50	40.31	90°00'00"

SCALE: 1"=30'

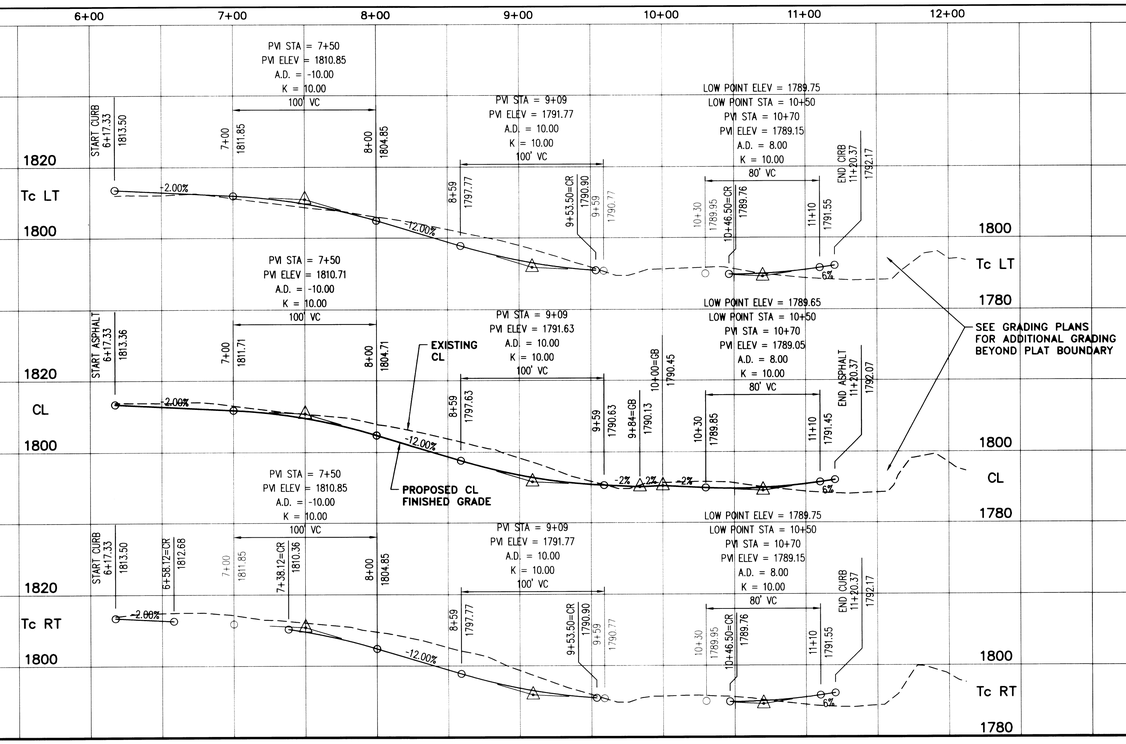


DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

VERTICAL SCALE: 1"=20'



SCALE: 1"=30'



SEE GRADING PLANS FOR ADDITIONAL GRADING BEYOND PLAT BOUNDARY

SPOKANE COUNTY ENGINEERS OFFICE
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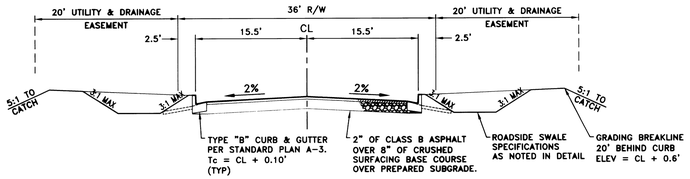
WANDERMERE HEIGHTS
SAPPHIRE LANE
STA 6+17.33 TO STA 11+20.37
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 7 of 16

P-1936 Engr's Bluelts

SEC. 5, T.26 N., R.43 E.,W.M.



MARISSA, ALEXA & TRAVIS COURTS

NOT TO SCALE

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.
Contour Interval: 2 Feet

N
MCE

UNDERGROUND SERVICE ALERT
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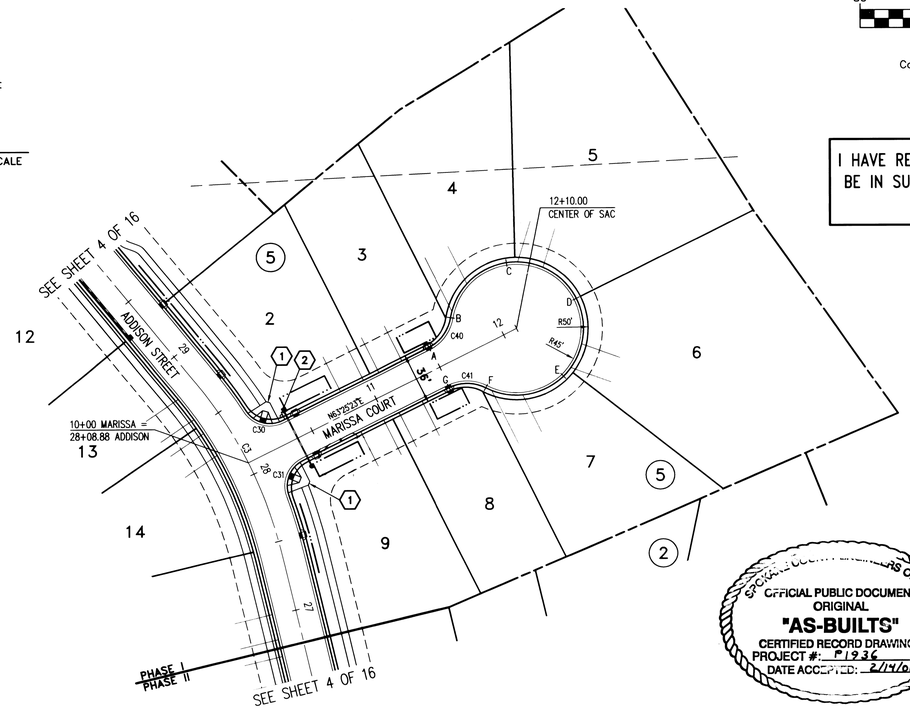
CALL TWO BUSINESS DAYS BEFORE YOU DIG

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.



CONSTRUCTION NOTES

1. CURB RAMP PER SPOKANE COUNTY STANDARD PLAN A-5, DESIGN "B".
2. STOP SIGN AND STREET NAME SIGN PER M.U.T.C.D. AND SPOKANE COUNTY STANDARDS.
3. TYPE 1 CURB INLET, PER SPOKANE COUNTY STANDARD PLAN B-8. L=3' (TYPICAL). SEE PROFILE FOR CURB DROP LOCATIONS.
4. STA 10+38.5, 22' LT. TYPE 1 CATCH BASIN WITH TYPE 1 METAL FRAME AND TYPE 2 METAL GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-13. RIM ELEV=1794.90.
5. 43 L.F. OF 10" ADS STORM PIPE. G=0.058. IE(N)=1792.40, IE(S)=1789.90.
6. STA 10+38.5, 22' RT. TYPE B DRYWELL WITH TYPE 4 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-1 AND B-15. RIM ELEV=1794.90.

SPOKANE COUNTY ... OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1936
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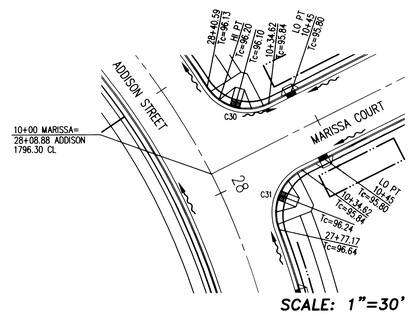
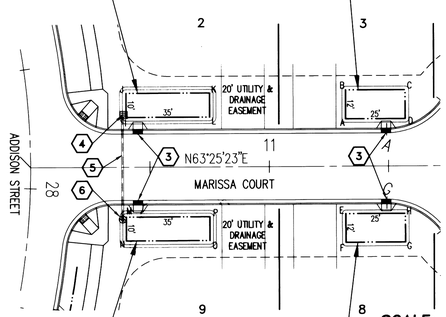
CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA
C3	135.84	300.00	69.10	134.68	25°06'09"
C30	29.30	20.00	17.99	26.75	83°56'39"
C31	29.30	20.00	17.99	26.75	83°56'39"
C40	26.90	28.50	14.55	25.91	54°04'45"
C41	26.90	28.50	14.55	25.91	54°04'45"



SCALE: 1"=30'

POND B04:
Tc AT INLET = 1795.80
POND BTM ELEV = 1794.40
POND BTM AREA = 350 SF
OUTLET ELEV = 1794.90
OVERFLOW ELEV = 1795.30
MIN. BERM ELEV = 1795.50

POND B02:
Tc AT INLET = 1799.35
POND BTM ELEV = 1798.35
POND BTM AREA = 300 SF
OVERFLOW ELEV = 1798.85
MIN. BERM ELEV = 1799.05



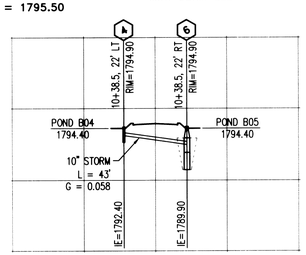
SCALE: 1"=30'

POND B05:
Tc AT INLET = 1795.80
POND BTM ELEV = 1794.40
POND BTM AREA = 350 SF
OUTLET ELEV = 1794.30
OVERFLOW ELEV = 1795.30
MIN. BERM ELEV = 1795.50

POND B03:
Tc AT INLET = 1799.35
POND BTM ELEV = 1798.35
POND BTM AREA = 300 SF
OVERFLOW ELEV = 1798.85
MIN. BERM ELEV = 1799.05

POND CORNERS

STATION AND OFFSET FROM MARISSA COURT			
POND	POINT	STATION	OFFSET
B02	A	11+32.0	20'
	B	11+32.0	32'
	C	11+57.0	32'
	D	11+57.0	20'
B03	E	11+32.0	20'
	F	11+32.0	32'
	G	11+57.0	32'
	H	11+57.0	20'
B04	I	10+40.0	21'
	J	10+40.0	31'
	K	10+75.0	31'
	L	10+75.0	21'
B05	M	10+40.0	21'
	N	10+40.0	31'
	O	10+75.0	31'
	P	10+75.0	21'



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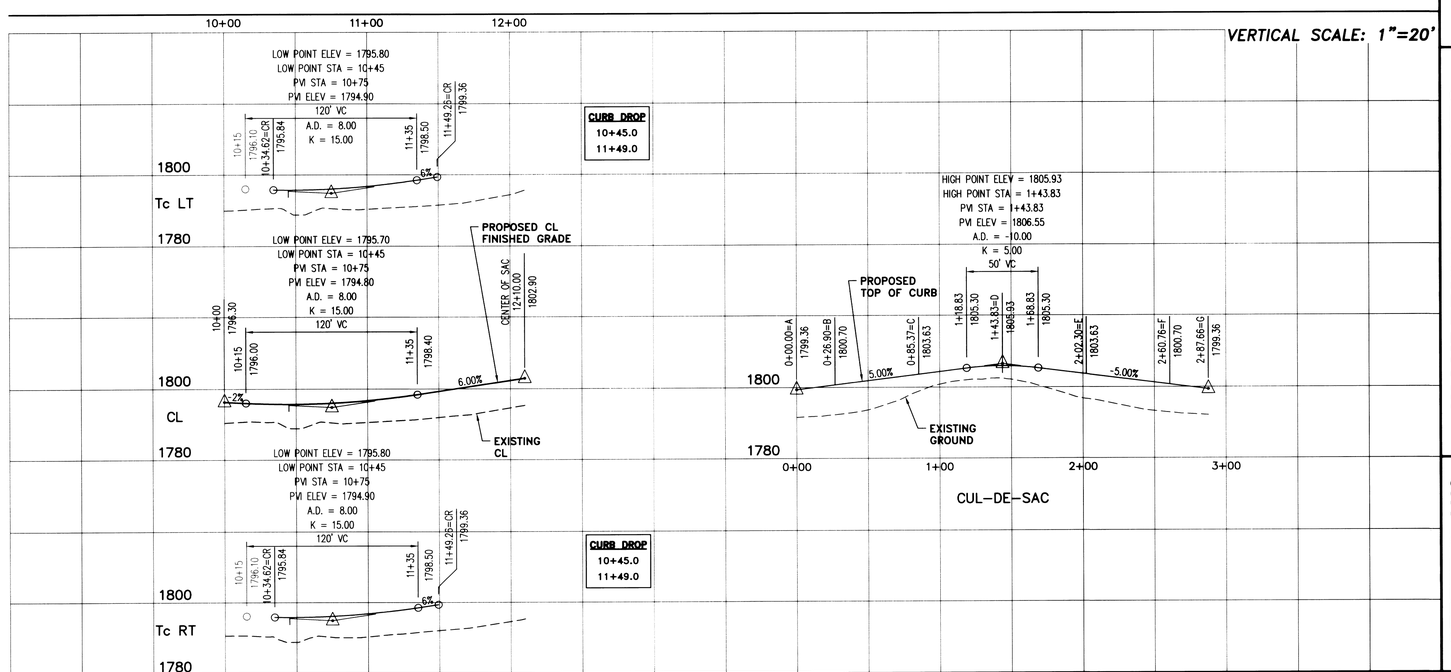

WANDERMERE HEIGHTS
MARISSA COURT
STA 10+00 TO STA 12+10
SPOKANE COUNTY, WA

Mountain Crest Enterprises Inc.
4024 East First Street
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STREET PLANS
County Plat No.: P-1936
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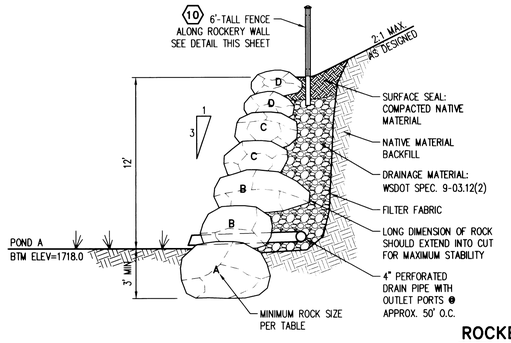
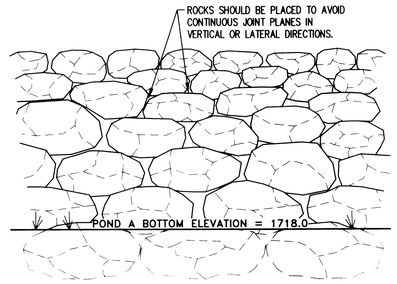
Sheet: 8 of 16

P-1936 Eng's Built

SEC. 5, T.26 N., R.43 E.,W.M.





ROCK TABLE		
ROCK	MINIMUM DIAMETER (FT)	APPROXIMATE WEIGHT (LBS)
A	5.0'	5,000 TO 6,000
B	4.5'	4,000 TO 5,000
C	4.0'	2,000 TO 4,000
D	3.0'	750 TO 2,000

WSDOT SPEC. 9-03.12(2)

GRAVEL BACKFILL FOR WALLS:

SIEVE:	PASSING:
4"	100%
1/4"	25-70%
#200	5.0% MAX.
S.E.	52 MIN.

ROCKERY WALL CONSTRUCTION NOTES

THE LARGER THE ROCK, THE MORE COMPETENT THE ROCKERY WALL SHOULD BE. LARGEST SIZE ROCK MUST BE PLACED IN THE LOWER PORTION OF THE ROCKERY.

ALL ROCK SHALL CONSIST OF ANGULAR LEDGE ROCK, NO ROUNDED BOULDERS.

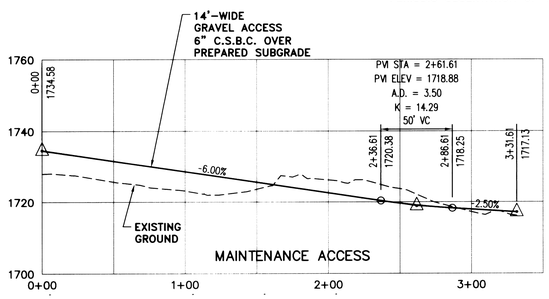
EACH ROCK SHOULD BEAR ON TWO OR MORE ROCKS BELOW IT, WITH GOOD FLAT-TO-FLAT CONTACT.

MAXIMUM INCLINATION OF SLOPE ABOVE AND BEHIND THE ROCKERY IS 2H:1V.

MINIMUM THICKNESS OF DRAINAGE MATERIAL BEHIND THE ROCKERY IS 12"

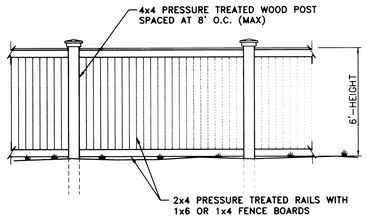
BACKFILL SHALL BE PLACED IN 8 TO 10 INCH LOOSE LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

ROCKERY WALLS GREATER THAN 8' IN HEIGHT SHALL BE INSTALLED UNDER PERIODIC OBSERVATION OF THE CONSTRUCTION INSPECTOR.



ROCKERY FENCE DETAIL

NOT TO SCALE



DRYLAND GRASS SEED MIX

PER APPENDIX E, SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT

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

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

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

GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIME RELEASE COMPOSITION, 300 LBS. PER ACRE

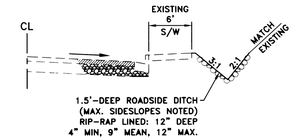
ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATION, SECTION 8-01.

DATUM

NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

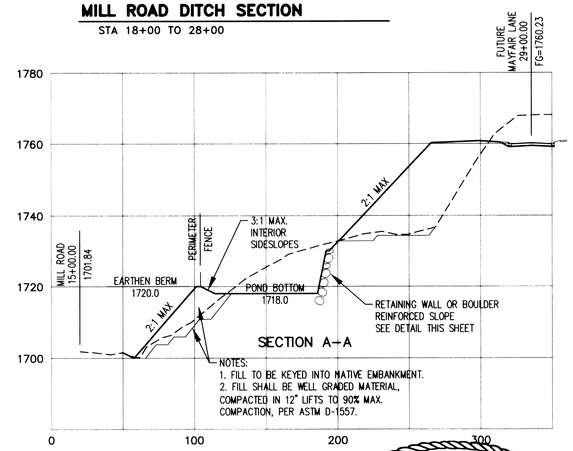
POND A

STATION AND OFFSET FROM MILL ROAD			
POINT	STATION	OFFSET	NOTES
A	12+46.0	92.4'	ANGLE POINT
B	12+47.4	83.5'	ANGLE POINT
C	12+61.1	81.2'	ANGLE POINT
D	14+43.5	89.3'	ANGLE POINT
E	15+35.8	95.9'	ANGLE POINT
F	18+71.7	154.0'	ANGLE POINT
G	18+72.6	169.3'	ANGLE POINT
H	18+35.6	174.5'	ANGLE POINT
I	15+56.9	173.8'	ANGLE POINT



MILL ROAD DITCH SECTION

STA 18+00 TO 28+00



POND A:

BTM ELEV = 1718.0
BTM AREA = 28,910 S.F.
OUTLET ELEV = 1718.5
OVERFLOW ELEV = 1719.5
MIN. BERM ELEV = 1720.0
PEAK 50-YR WS = 1718.75

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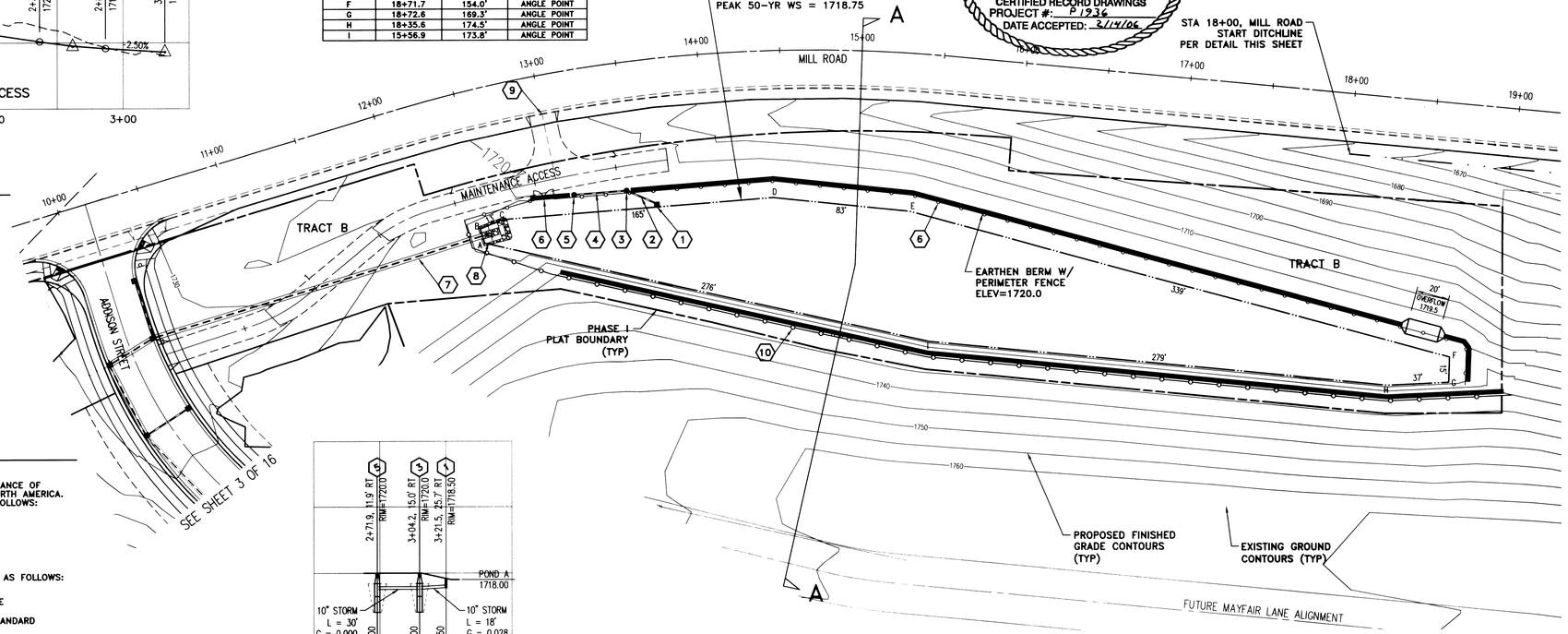
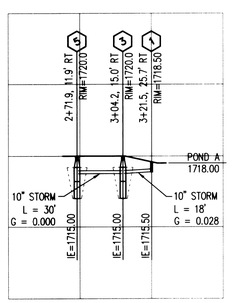




CONSTRUCTION NOTES

- DETENTION POND SHALL BE SEEDED WITH DRYLAND GRASS SEED MIX, AT A MINIMUM, PER SPECIFICATIONS NOTED ON THIS SHEET.

1. STA 3+21.5, 25.7' RT (MAINTENANCE ACCESS). TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND TYPE 2 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-13. RIM ELEV=1718.50
2. 18 L.F. OF 10" ADS STORM PIPE. G=0.028. IE(E)=1715.50, IE(W)=1715.00.
3. STA 3+04.2, 15.0' RT (MAINTENANCE ACCESS). TYPE B DRYWELL WITH TYPE 4 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-1A AND B-15. RIM ELEV=1720.0.
4. 30 L.F. OF 10" ADS STORM PIPE. G=0.000. IE=1715.00.
5. STA 2+71.9, 11.9' RT (MAINTENANCE ACCESS). TYPE B DRYWELL WITH TYPE 4 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-1A AND B-15. RIM ELEV=1720.0.
6. 4'-TALL CHAIN LINK FENCE WITH 14'-WIDE ACCESS GATE, PER WSDOT STANDARD PLANS L-2 AND L-3.
7. SEE DRAINAGE DETAILS SHEET 13.
8. GABION ENERGY DISSIPATOR WITH CONCRETE OUTFALL (WILBERT PRECAST #4016-30"), PER DETAIL SHEET 16.
9. STA 13+00, RT (MILL ROAD). 14'-WIDE CONCRETE APPROACH, PER SPOKANE COUNTY STANDARD PLAN A-7.
10. 6'-TALL CEDAR FENCE (OR EQUAL) ALONG ROCKERY WALL, PER DETAIL THIS SHEET.

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.

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

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.
Contour Interval: 2 Feet

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

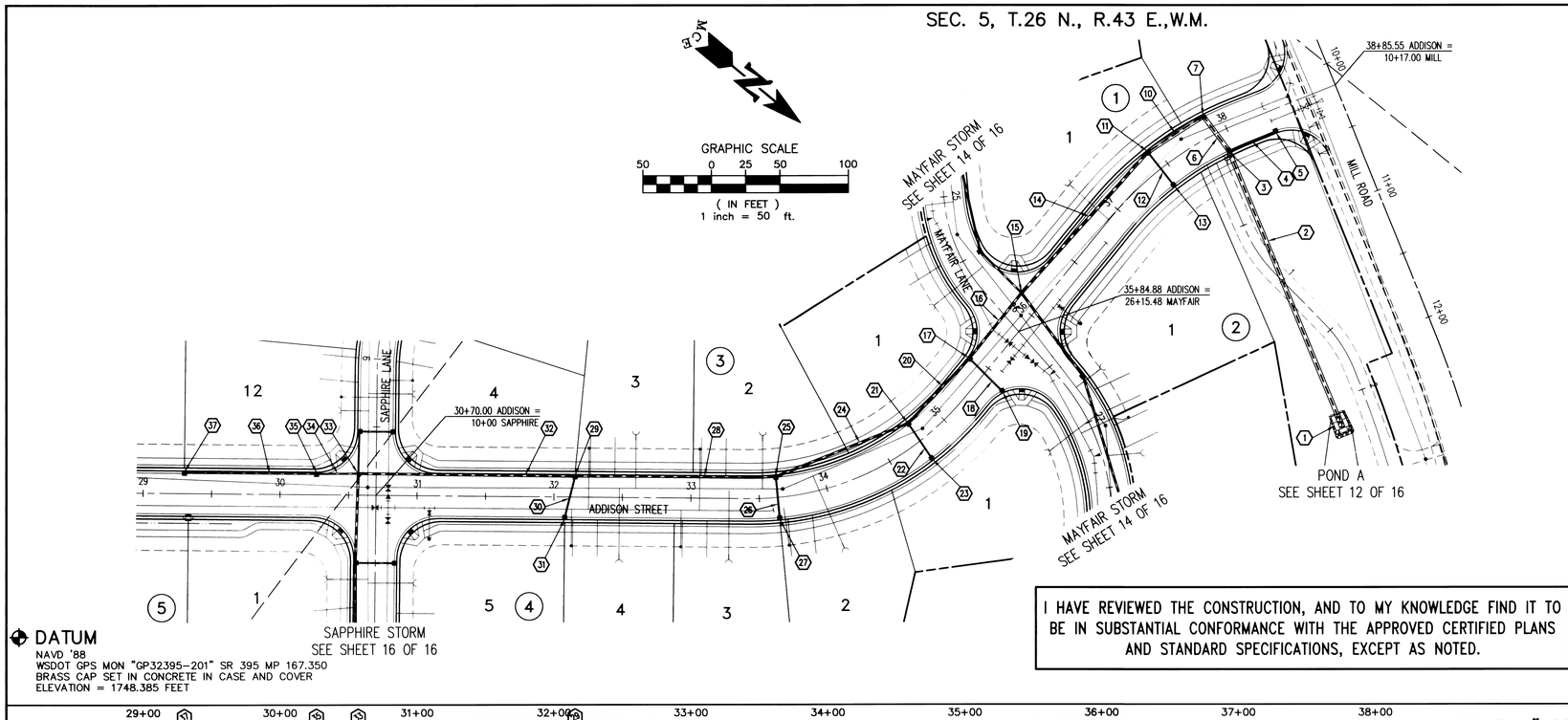
WANDERMERE HEIGHTS
POND "A" DETAIL

SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 12 of 16

P-1936 Eng As Built

SEC. 5, T.26 N., R.43 E.,W.M.



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BRASS CAP SET IN CONCRETE IN CASE AND COVER
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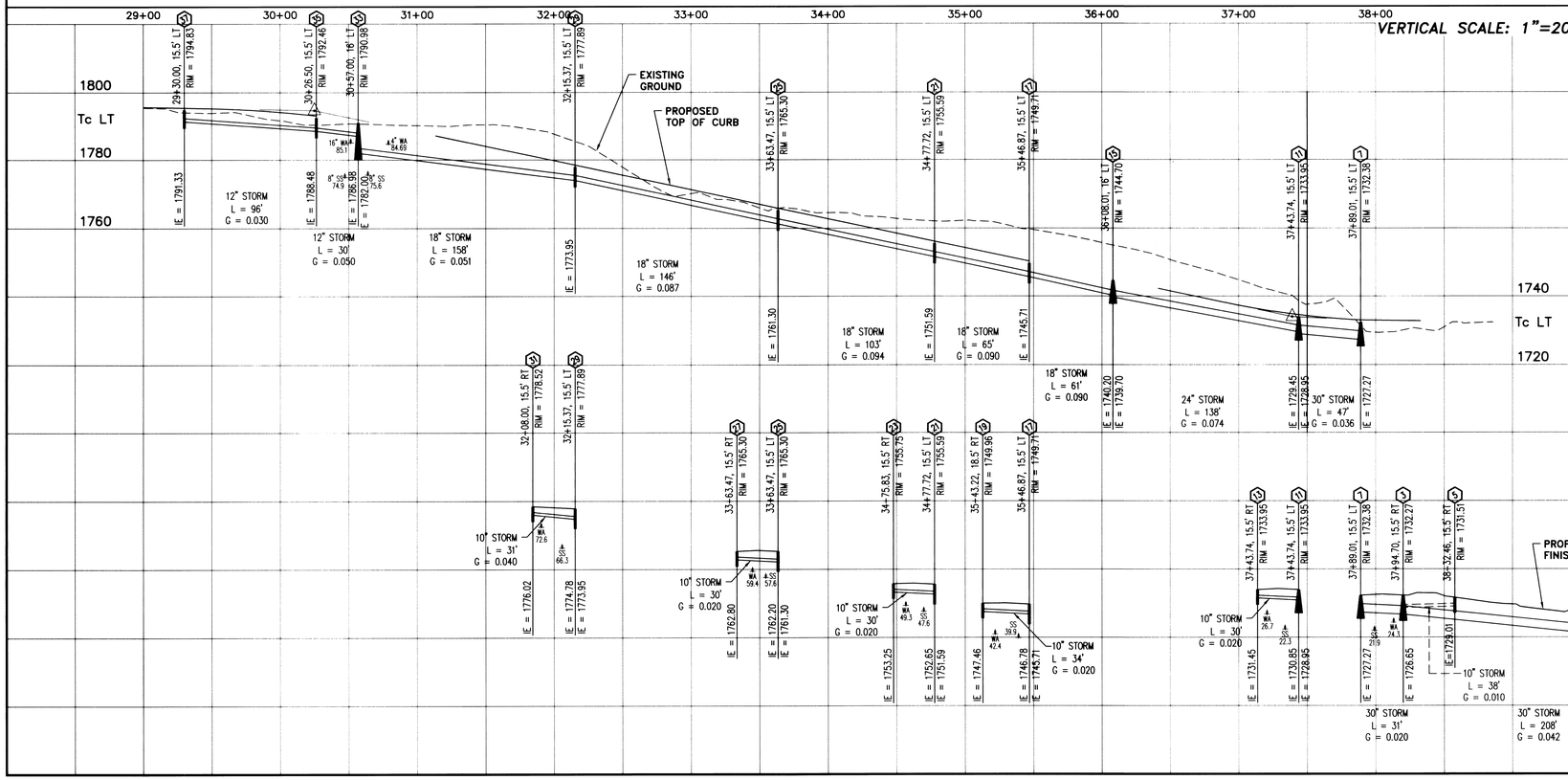
CONSTRUCTION NOTES

- ALL INLET STRUCTURES SHALL BE INSTALLED WITH 1" DEEP GUTTER DEPRESSION PER SPOKANE COUNTY STANDARD PLAN B-18. RIM ELEVATIONS NOTED INCLUDE 1" DEPRESSION.

1. GABION ENERGY DISSIPATER WITH CONCRETE OUTFALL (WILBERT PRECAST #4016-30"), PER DETAIL SHEET 16.
2. 208 L.F. OF 30" ADS STORM PIPE. G=0.042. IE(H)=1718.00, IE(S)=1726.65.
3. STA 37+94.70, 15.5' RT. TYPE III-60" MANHOLE WITH TYPE 1 RISER, TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), B-3, B-10 AND B-12. RIM ELEV=1732.27.
4. 38 L.F. OF 10" ADS STORM PIPE. G=0.010. IE(W)=1729.01, IE(E)=1728.63.
5. STA 38+32.46, 15.5' RT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1731.51.
6. 31 L.F. OF 30" ADS STORM PIPE. G=0.020. IE(H)=1726.65, IE(S)=1727.27.
7. STA 37+89.01, 15.5' LT. TYPE III-60" MANHOLE WITH TYPE 1 RISER, TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), B-3, B-10 AND B-12. RIM ELEV=1732.38.
8. NOT USED
9. NOT USED
10. 47 L.F. OF 30" ADS STORM PIPE. G=0.036. IE(W)=1727.27, IE(E)=1728.95.
11. STA 37+43.74, 15.5' LT. TYPE III-60" MANHOLE WITH TYPE 1 RISER, TYPE 1 FRAME AND TYPE 1 GRATE, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), B-3, B-10 AND B-12. RIM ELEV=1733.95.
12. 30 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(H)=1731.45, IE(S)=1730.85.
13. STA 37+43.74, 15.5' RT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1733.95.
14. 138 L.F. OF 24" ADS STORM PIPE. G=0.074. IE(W)=1729.45, IE(E)=1739.70.
15. STA 36+08.01, 16' LT. TYPE III-60" MANHOLE WITH MANHOLE RING AND SOLID COVER, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), AND B-15. RIM ELEV=1744.70.
16. 61 L.F. OF 18" ADS STORM PIPE. G=0.090. IE(W)=1740.20, IE(E)=1745.71.
17. STA 35+46.87, 15.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1749.71.
18. 34 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(H)=1747.46, IE(S)=1746.78.
19. STA 35+43.22, 18.5' RT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1749.96.
20. 65 L.F. OF 18" ADS STORM PIPE. G=0.090. IE(W)=1745.71, IE(E)=1751.59.
21. STA 34+77.72, 15.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1755.59.
22. 30 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(H)=1753.25, IE(S)=1752.65.
23. STA 34+75.83, 15.5' RT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1755.75.
24. 103 L.F. OF 18" ADS STORM PIPE. G=0.094. IE(W)=1751.59, IE(E)=1761.30.
25. STA 33+63.47, 15.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1765.30.
26. 30 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(NE)=1762.80, IE(SW)=1762.20.
27. STA 33+63.47, 15.5' RT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1765.30.
28. 146 L.F. OF 18" ADS STORM PIPE. G=0.087. IE(NW)=1761.30, IE(SE)=1773.95.
29. STA 32+15.37, 15.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1777.89.
30. 31 L.F. OF 10" ADS STORM PIPE. G=0.040. IE(NE)=1776.02, IE(SW)=1774.78.
31. STA 32+08.00, 15.5' RT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1778.52.
32. 158 L.F. OF 18" ADS STORM PIPE. G=0.051. IE(NW)=1773.95, IE(SE)=1782.00.
33. STA 30+57.00, 16' LT. TYPE III-48" MANHOLE WITH MANHOLE RING AND SOLID COVER, PER SPOKANE COUNTY STANDARD PLANS U-6 (W/O CHANNEL), AND B-15. RIM ELEV=1790.98.
34. 30 L.F. OF 12" ADS STORM PIPE. G=0.050. IE(NW)=1786.98, IE(SE)=1788.48.
35. STA 30+26.50, 15.5' LT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1792.46.
36. 96 L.F. OF 12" ADS STORM PIPE. G=0.030. IE(NW)=1788.48, IE(SE)=1791.33.
37. STA 29+30.00, 15.5' LT. TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12. RIM ELEV=1794.83.



Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
03/15/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

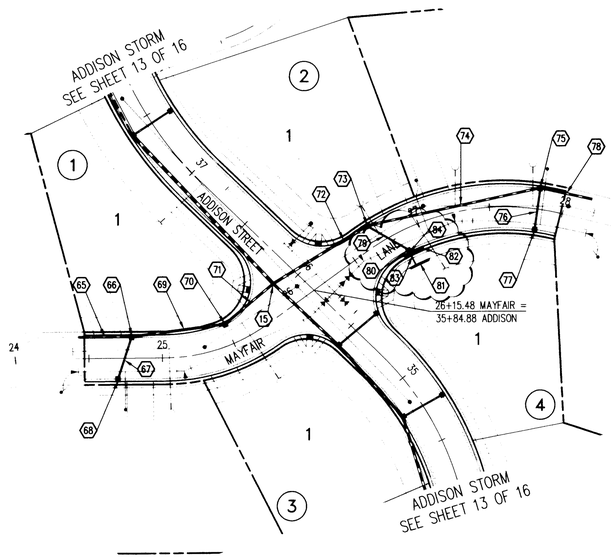
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1936
DATE ACCEPTED: 2/14/06

WANDERMERE HEIGHTS
ADDISON STREET
STORM SEWER SYSTEM
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 13 of 16

P-1936 Eng As Built

SEC. 5, T.26 N., R.43 E.,W.M.



GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1936
DATE ACCEPTED: 11/24/09

* Revised to reflect corrective field changes after certification.

DANIEL NATHAN NOE
STATE OF WASHINGTON
No. 39934
REGISTERED PROFESSIONAL ENGINEER
11/20/09

CLOUDED REVISIONS ONLY

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1(800)424-5555
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CONSTRUCTION NOTES

- ALL INLET STRUCTURES SHALL BE INSTALLED WITH 1" DEEP GUTTER DEPRESSION PER SPOKANE COUNTY STANDARD PLAN B-18. RIM ELEVATIONS NOTED INCLUDE 1" DEPRESSION.

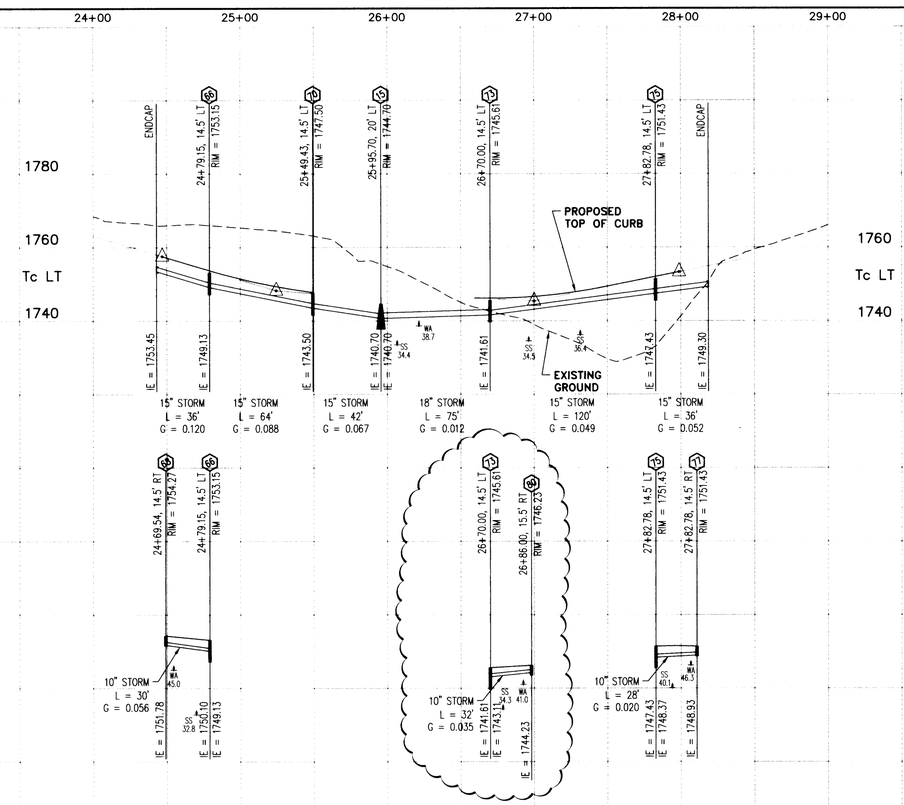
65. 36 L.F. OF 15" ADS STORM PIPE WITH ENDCAP. G=0.120. IE(E)=1749.13, IE(W)=1753.45.
66. STA 24+79.15, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1753.15.
67. 30 L.F. OF 10" ADS STORM PIPE. G=0.056. IE(N)=1750.10, IE(S)=1751.78.
68. STA 24+69.54, 14.5' RT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1754.27.
69. 64 L.F. OF 15" ADS STORM PIPE. G=0.088. IE(E)=1743.50, IE(W)=1749.13.
70. STA 25+49.43, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1747.50.
71. 42 L.F. OF 15" ADS STORM PIPE. G=0.067. IE(E)=1740.70, IE(W)=1743.50.
15. SEE SHEET 13 OF 16.
72. 75 L.F. OF 18" ADS STORM PIPE. G=0.012. IE(E)=1741.61, IE(W)=1740.70.
73. STA 26+70.00, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 2 FRAME (W/ HOOD) AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-11 AND B-14. RIM ELEV=1745.61.
74. 120 L.F. OF 15" ADS STORM PIPE. G=0.049. IE(E)=1747.43, IE(W)=1741.61.
75. STA 27+82.78, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1751.43.
76. 28 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(N)=1748.37, IE(S)=1748.93.
77. STA 27+82.78, 14.5' RT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1751.43.
78. 36 L.F. OF 15" ADS STORM PIPE WITH ENDCAP. G=0.052. IE(E)=1749.30, IE(W)=1747.43.
79. 32 L.F. OF 10" DI STORM PIPE. G=0.035. IE(E)=1744.23, IE(W)=1743.11.
80. STA 26+86.00, 15.5' RT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1746.23.
81. 13 L.F. OF 4" WIDE PRESLOPED TRENCH DRAIN SYSTEM. ABT POLYDRAIN OR POLYCAST 600 OR EQUIV. CAST TRENCH DRAIN INTO 14" WIDE CONCRETE SECTION LOCATED DIRECTLY BEHIND SIDEWALK. SET TRENCH DRAIN GRATE ELEVATIONS AT 1" BELOW ADJACENT BACK OF SIDEWALK ELEVATION. INSTALL FRENCH DRAIN BELOW AND BEHIND TRENCH DRAIN AND CONNECT PERFORATED PIPE TO TRENCH DRAIN OUTLET PIPE.
82. 13 L.F. OF 4" WIDE PRESLOPED TRENCH DRAIN SYSTEM. ABT POLYDRAIN OR POLYCAST 600 OR EQUIV. CAST TRENCH DRAIN INTO 14" WIDE CONCRETE SECTION LOCATED DIRECTLY BEHIND CURB. SET TRENCH DRAIN GRATE ELEVATIONS AT 1" BELOW ADJACENT CURB ELEVATION.INSTALL FRENCH DRAIN BELOW AND BEHIND TRENCH DRAIN AND CONNECT PERFORATED PIPE TO TRENCH DRAIN OUTLET PIPE.
83. CONNECT SIDEWALK TRENCH DRAIN TO CURB TRENCH DRAIN WITH 4" PVC PIPE.
84. CONNECT CURB TRENCH DRAIN TO CONCRETE INLET WITH 4" PVC PIPE.

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/05/05	COUNTY REVIEW COMMENTS	NWO
02/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI
09/28/09	ADDED TRENCH DRAIN AND CI	DNW
11/20/09	AS-BUILT OF TRENCH DRAIN REVISION	DNW

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.

DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

VERTICAL SCALE: 1"=20'



Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

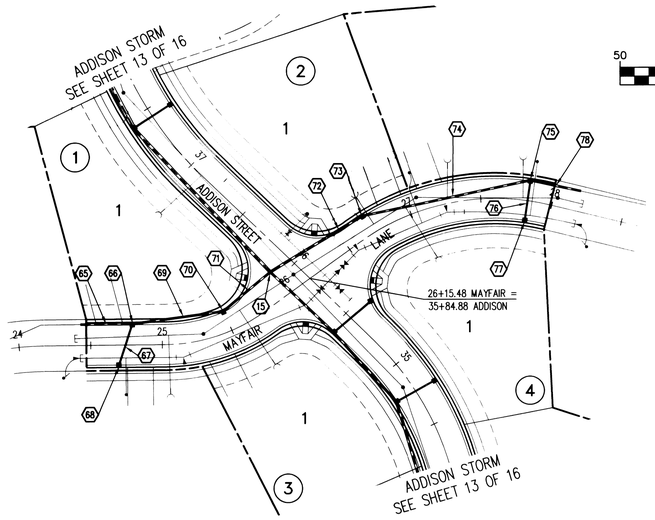
WANDERMERE HEIGHTS
MAYFAIR LANE
STORM SEWER SYSTEM
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 15 of 16

P-1936
Revised

Eng As Built

SEC. 5, T.26 N., R.43 E.,W.M.



GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

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65 36 L.F. OF 15" ADS STORM PIPE WITH ENDCAP. G=0.120. IE(E)=1749.13, IE(W)=1753.45.

66 STA 24+79.15, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1753.15.

67 30 L.F. OF 10" ADS STORM PIPE. G=0.056. IE(N)=1750.10, IE(S)=1751.78.

68 STA 24+69.54, 14.5' RT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1754.27.

69 64 L.F. OF 15" ADS STORM PIPE. G=0.088. IE(E)=1743.50, IE(W)=1749.13.

70 STA 25+49.43, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1747.50.

71 42 L.F. OF 15" ADS STORM PIPE. G=0.067. IE(E)=1740.70, IE(W)=1743.50.

15 SEE SHEET 13 OF 16.

72 75 L.F. OF 18" ADS STORM PIPE. G=0.012. IE(E)=1741.61, IE(W)=1740.70.

73 STA 26+70.00, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 2 FRAME (W/ HOOD) AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-11 AND B-14. RIM ELEV=1745.61.

74 120 L.F. OF 15" ADS STORM PIPE. G=0.049. IE(E)=1747.43, IE(W)=1741.61.

75 STA 27+82.78, 14.5' LT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1751.43.

76 28 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(N)=1748.37, IE(S)=1748.93.

77 STA 27+82.78, 14.5' RT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1751.43.

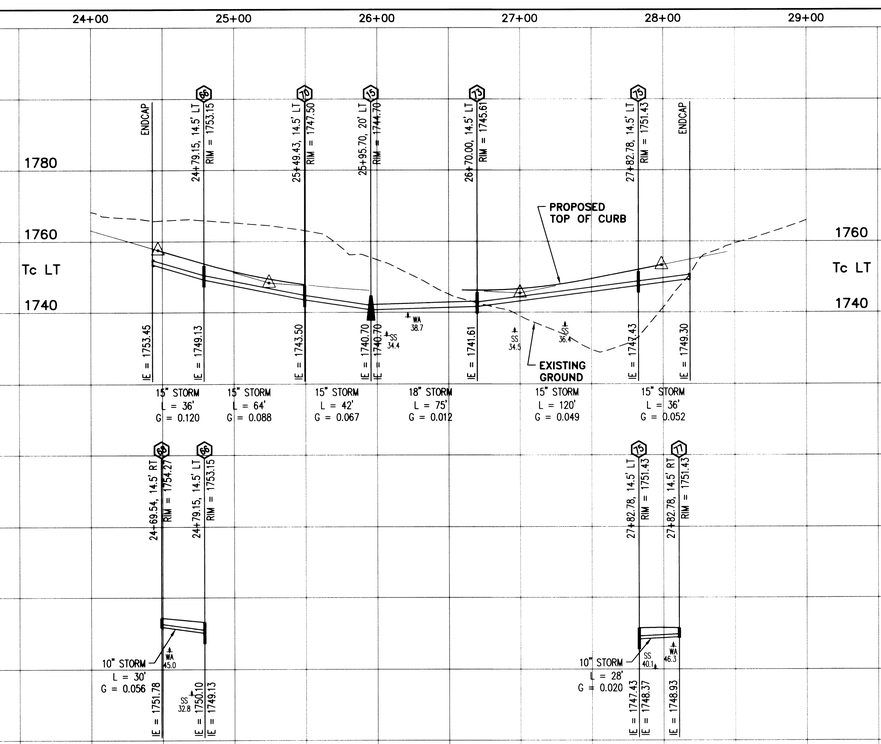
78 36 L.F. OF 15" ADS STORM PIPE WITH ENDCAP. G=0.052. IE(E)=1749.30, IE(W)=1747.43.

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY REVIEW COMMENTS	NWO
05/05/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

VERTICAL SCALE: 1"=20'



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1936
DATE ACCEPTED: 2/14/06

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P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

WANDERMERE HEIGHTS
MAYFAIR LANE
STORM SEWER SYSTEM
SPOKANE COUNTY, WA

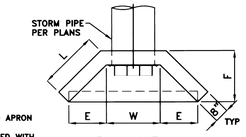
STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 15 of 16

P-1936 Eng As Built

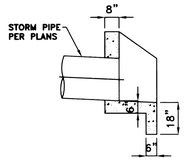
SEC. 5, T.26 N., R.43 E.,W.M.

D	L	E	F	W
18"	2'-3 1/8"	1'-3"	1'-10 1/2"	2'-0"
24"	3'-1 7/8"	1'-9"	2'-7 1/2"	2'-6"
30"	4'-0 5/8"	2'-3"	3'-4 1/2"	3'-0"
36"	4'-11 1/2"	2'-9"	4'-1 1/2"	3'-6"

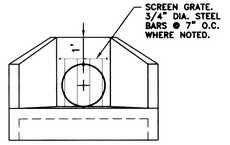
NOTE:
MINIMUM CONCRETE MIX FOR HEADWALL AND APRON SHALL BE 5 1/2 SACK, 3000 PSI.
HEADWALL SLAB AND WALL TO BE REINFORCED WITH #4 BARS @ 6" O.C. EACH DIRECTION THROUGHOUT.
1" CHAMFER ON ALL EXPOSED CORNERS OF WALLS.



PLAN VIEW



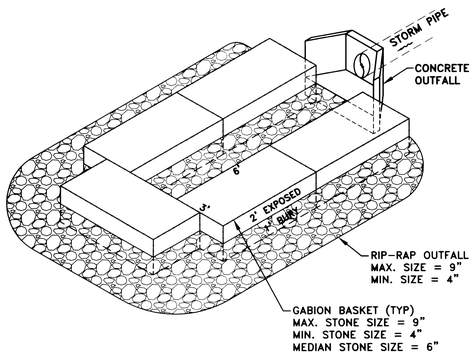
SECTION



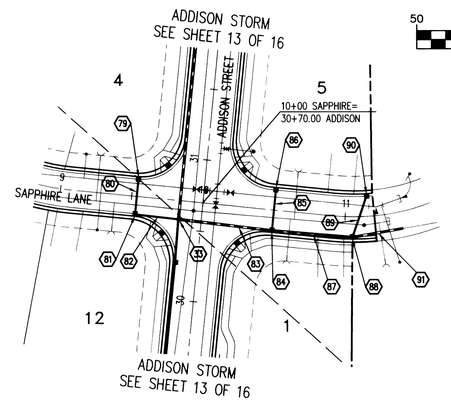
FRONT VIEW

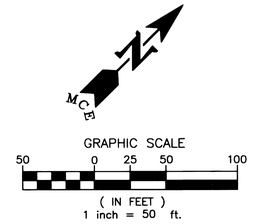
CONCRETE HEADWALL

WILBERT PRECAST - PRODUCT #4016



GABION DISSIPATER DETAIL





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CONSTRUCTION NOTES

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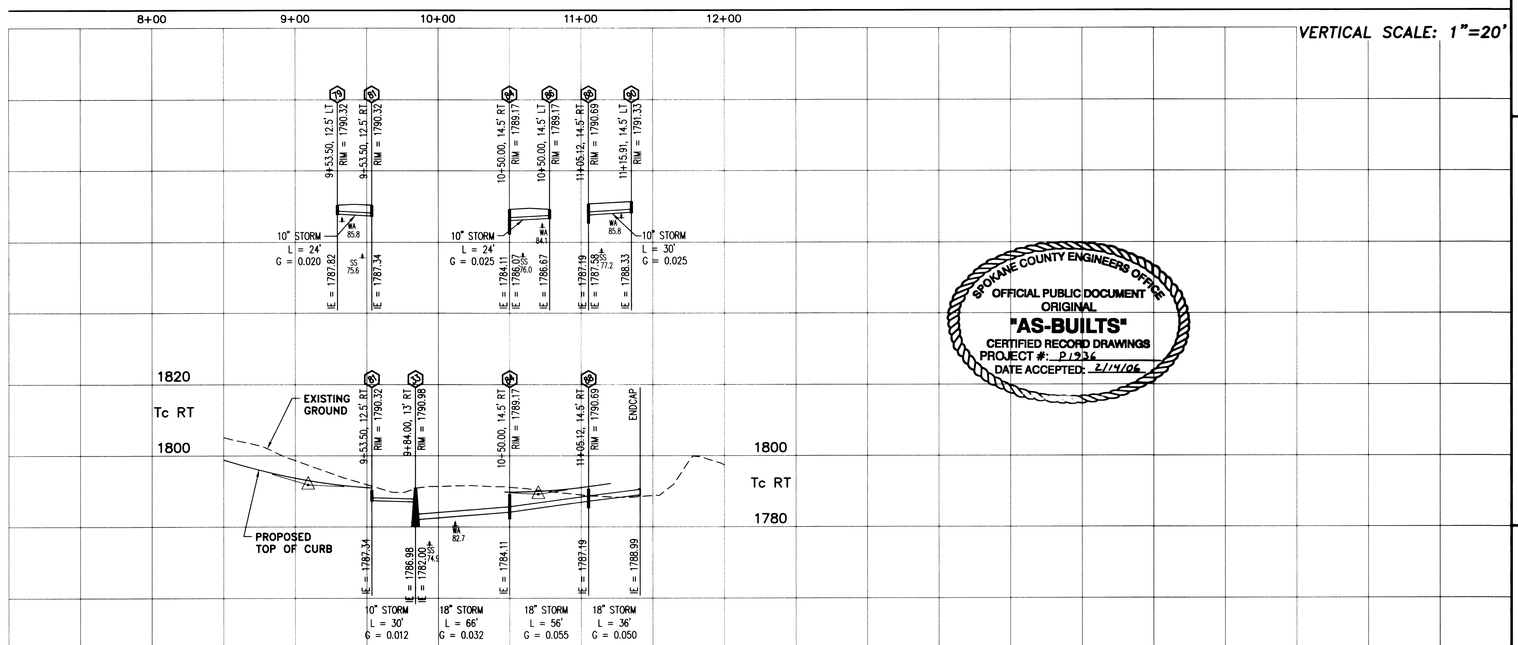
79. STA 9+53.50, 12.5' LT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1790.32.
80. 24 L.F. OF 10" ADS STORM PIPE. G=0.020. IE(N)=1787.82, IE(S)=1787.34.
81. STA 9+53.50, 12.5' RT. TYPE 2 CONCRETE INLET WITH TYPE 2 FRAME (W/ HOOD) AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-6, B-11 AND B-14. RIM ELEV=1790.32.
82. 30 L.F. OF 10" ADS STORM PIPE. G=0.012. IE(E)=1786.98, IE(W)=1787.34.
33. SEE SHEET 13 OF 16.
83. 66 L.F. OF 18" ADS STORM PIPE. G=0.032. IE(E)=1784.11, IE(W)=1782.00.
84. STA 10+50.00, 14.5' RT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 2 FRAME (W/ HOOD) AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-11 AND B-14. RIM ELEV=1789.17.
85. 24 L.F. OF 10" ADS STORM PIPE. G=0.025. IE(N)=1786.67, IE(S)=1786.07.
86. STA 10+50.00, 14.5' LT. TYPE 2 CONCRETE INLET WITH TYPE 2 FRAME (W/ HOOD) AND TYPE 3 GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-11 AND B-14. RIM ELEV=1789.17.
87. 56 L.F. OF 18" ADS STORM PIPE. G=0.055. IE(E)=1787.19, IE(W)=1784.11.
88. STA 11+05.12, 14.5' RT. TYPE 1L CATCH BASIN, PER WSDOT STANDARD PLAN B-1A, WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-12. RIM ELEV=1790.69.
89. 30 L.F. OF 10" ADS STORM PIPE. G=0.025. IE(N)=1788.33, IE(S)=1787.58.
90. STA 11+15.91, 14.5' LT. TYPE 1 CONCRETE INLET WITH TYPE 1 FRAME AND GRATE, PER SPOKANE COUNTY STANDARD PLANS B-5, B-10 AND B-12. RIM ELEV=1791.33.
91. 36 L.F. OF 18" ADS STORM PIPE WITH ENDCAP. G=0.050. IE(E)=1789.99, IE(W)=1787.19.

I HAVE REVIEWED THE CONSTRUCTION, AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS, EXCEPT AS NOTED.



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-1936
DATE ACCEPTED: 2/14/06

DATUM
NAVD '88
WSDOT GPS MON "GP32395-201" SR 395 MP 167.350
BRASS CAP SET IN CONCRETE IN CASE AND COVER
ELEVATION = 1748.385 FEET

Date	Activity	By
01/18/05	ORIGINAL PREPARATION	NWO
02/15/05	COUNTY REVIEW COMMENTS	NWO
05/25/05	FINAL STREET SUBMITTAL	NWO
12/13/05	RECORD DRAWING (PHASE I)	MEI

Mountain Crest Enterprises Inc.
4024 East First Street
P.O. Box 1800, Mead, WA 99021
(509) 466-5794 Fax: 466-1514

WANDERMERE HEIGHTS
SAPPHIRE LANE
STORM SEWER SYSTEM
SPOKANE COUNTY, WA

STREET PLANS
County Plat No.: P-1936
MCE Project No.: 04-231
Sheet: 16 of 16

P-1936 Eng As Built