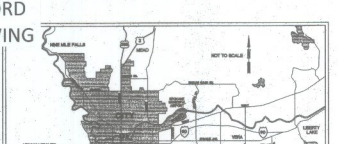
RECORD DRAWING

# NORTHWEST VISTAS 1ST ADDITION

## TO THE VISTAS AT MORNINGSIDE HEIGHTS

## SPOKANE COUNTY, WASHINGTON

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




## LOCATION MAP

## LEGEND

| | |
|---|---|
| EXISTING LOT LINE | NOT IN CONTRACT (UNEQUAL) |
| EXISTING CONTOUR | PROPOSED PLAT BOUNDARY |
| EASEMENT LINE | PROPOSED LOT LINES |
| EXISTING BURIED TELEPHONE | PROPOSED CURB & GUTTER |
| EXISTING BURIED GAS PIPELINE | PROPOSED SIDEWALK |
| EXISTING OVERHEAD ELECTRICAL | PROPOSED WATER LINE PLUG |
| EXISTING FENCE | PROPOSED DRAINAGE FLOW |
| EXISTING WATER LINE | PROPOSED SANITARY SEWER |
| EXISTING SEWER LINE | PROPOSED STORM DRAIN LINE |
| EXISTING STORM DRAIN LINE | FINISH CONTOUR |
| EXISTING WATER VALVE | FINISH GRADE ELEVATION |
| EXISTING WATER LINE FITTING (TYP.) | PROPOSED WATER VALVE |
| EXISTING FIRE HYDRANT | PROPOSED CONCRETE THRUST BLOCK |
| EXISTING WATER METER AND SERVICE | PROPOSED WATER FITTING (TYP.) |
| EXISTING SIGN | PROPOSED FIRE HYDRANT |
| EXISTING SS MANHOLE | PROPOSED SS MANHOLE |
| EXIST. DRYWELL | PROPOSED STORM MANHOLE |
| EXIST. CATCH BASIN | PROPOSED STORM CATCH BASIN |
| EXISTING STORM MANHOLE | PROPOSED CLEAN OUT |
| EXISTING CLEAN OUT | PROPOSED CURB INLET |
| | PROPOSED DRYWELL |
| | MONUMENT |

## SCHEDULE OF DRAWINGS

**SHEET NO. DESCRIPTION**

### GENERAL

1 ..... COVER SHEET

### ROAD

2 ..... 17TH AVENUE- STA. 14+93.42 TO STA. 22+74.54
3 ..... *MSH DRIVE- STA. 21+77.91 TO STA. 28+18.80
4 ..... CLOVER DRIVE- STA. 10+13.37 TO STA. 13+06.07
5 ..... MULLIGAN COURT- STA. 9+50.00 TO STA. 14+23.00
BARCLAY DRIVE- STA. 10+00.00 TO STA. 12+40.30
6 ..... INTERSECTION GRADING
7 ..... MASS GRADING

### DRAINAGE

8 ..... 17TH AVENUE- STA. 15+47.12 TO STA. 22+74.54
*MSH DRIVE- STA. 23+19.56 TO STA. 24+33.41
9 ..... MULLIGAN COURT- STA. 12+33.83 TO STA. 17+90.83
STORMLINE "B"- STA. 1+00 TO STA. 1+61.23
10 ..... CLOVER DRIVE- STA. 10+13.75 TO STA. 10+58.66
STORMLINE "A"- STA. 1+00 TO STA. 2+25.18
11 ..... DETENTION POND ACCESS ROAD
STA. 1+00 TO STA. 9+54.41
12 ..... STORMWATER DETENTION POND
13 ..... STORMWATER DETAILS
14 ..... EROSION AND SEDIMENT CONTROL
15 ..... EROSION AND SEDIMENT CONTROL DETAILS

*MORNINGSIDE HEIGHTS DRIVE

GENERAL NOTES

1. ALL MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND DRAINAGE CONSTRUCTION", AND THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND BY THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
2. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL "UNDERGROUND SERVICES NORTHWEST" AT SERVICE #1-800-553-4344.
3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION ALL UNDERGROUND UTILITIES. ANY DISCREPANCIES BETWEEN THE PLAN AND ACTUAL LOCATIONS OF EXISTING UTILITIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. WITH UTILITY COMPANIES FOR RELOCATION OF EXISTING FACILITIES, IF NECESSARY, AND ANY UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE AT ALL TIMES. THE ENGINEER WILL PROVIDE THE PLANS. IF ANY ALTERATIONS ON THE PLAN OR A DEVIATION FROM THE LINE AND GRADES SHOWING DESCRIBED ARE CHANGED FROM THE APPROVED DRAWINGS.
5. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS FROM DRAWINGS PRIOR TO BIDDING. IF ANY DISCREPANCIES ARE DISCOVERED, OR IF THE PLANS ARE ERRONEOUS OR MISLEADING, THE CONTRACTOR SHALL IMMEDIATELY REPORT THE SAME TO THE ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITIONS BY THE CONTRACTOR.
7. FOR ANY CURB GRADES LESS THAN SIXTY (0.60) FEET, A WATERMASTER MUST BE CONTACTED TO INSPECT THE CURB TO SHALL VERIFY THAT THE CURB FORMS ARE AT THE CORRECT GRADE AND THE CURB FORMS ARE ON THE PLANS. IF ANY CURB GRADES ARE CHANGED TO BE LESS THAN SIXTY (0.60) FEET, ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
8. ALL PROPOSED PAVEMENT AREAS SHALL BE REMOVED TO A DEPTH OF AT LEAST 18" OF ALL MATERIALS, NON-ORGANIC MATERIAL, ANY SOFT OR WET MATERIAL, AND REPLACED WITH COMPACTED STRUCTURAL FILL. THE CONTRACTOR, BUT IS NOT RESPONSIBLE FOR PROVIDING FILL.
9. NATIVE MATERIALS EXCLUDING TOPSOIL, IS ACCEPTABLE FOR STRUCTURAL FILL PROVIDED THAT THE MATERIAL IS FREE OF ORGANIC MATERIAL, SOFT OR WET MATERIAL, AND ROCKS, THE MATERIAL MUST BE PLACED IN LIFTS NOT EXCEEDING TWO (2) FEET IN THICKNESS AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD.
10. THE TOP 12 INCHES OF THE SUBGRADE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD.
11. CRUSHED SURFACING TOP COURSE SHALL CONFORM TO WSDOT STANDARDS AND COMPACTED TO 100% OF MODIFIED PROCTOR MAXIMUM DENSITY.
12. NOT ANY ASPHALT (MAX) SHALL BE WEBBY HAS CLASS 1 (1/2" MAX) AGGREGATE. ASPHALT CONCRETE MIXES FOR PGA+-58 WILL CONFORM TO WSDOT STANDARDS. MAXIMUM COMPACTION AS DETERMINED BY THE MIXE METHOD.
13. DURING CONSTRUCTION, ALL EXCAVATIONS SHALL BE BUILTED TO PREVENT STORM WATER FROM ACCUMULATING IN THE SUBGRADE. ALL FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING TWO (2) FEET AND REPLACED WITH COMPACTED STRUCTURAL FILL.
14. SITE GRADING SHALL BE COMPLETED TO SUBGRADE. SHALL BE COMPACTED TO 95% MAXIMUM DENSITY. ALL SUBGRADE MATERIAL SHALL BE PROOF ROLLED TO DETERMINE ANY SOFT SPOTS. ACCORDING TO THE APPROVED PAVEMENT DESIGN. THE CONTRACTOR SHALL PROVIDE A SUBGRADE CERTIFICATION TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBGRADE CERTIFICATION.
15. ALL FILL IN AREAS OUTSIDE OF PAVEMENT SHALL BE COMPACTED TO MAXIMUM OF UPTO 95 (95% OF MAXIMUM) AS DETERMINED BY THE PROCTOR. PAVEMENT SHALL BE COMPACTED TO 100%.
16. FOR CONSTRUCTION OF DRYWELLS, INITIAL FILTER FABRIC (MINIMUM 4 OZ. OR APPROVED EQUIVALENT) BETWEEN THE UNDISTURBED GRADE SOIL AND THE BACKFILL.
17. THE PLACE OF A DRYWELL PERCOLATION AREA (DPA) SHALL BE SELECTED TO PROVIDE A MINIMUM OF 3 FEET OF SOIL BELOW AND THE BOTTOM OF THE DPA. IF UP TO 30 FEET OVERLAY ELEVATION ON TOP OF DRYWELL. THE DPA LOCATED ON THE SITE SHALL BE SELECTED TO PROVIDE A MINIMUM OF 3 FEET OF SOIL BELOW THE BOTTOM OF THE DPA. IF THE BOTTOM OF DPA IS OF 30 FEET PER HOUR, THE DRYWELL SHALL PROVIDE A SUITABLE FILTER FABRIC (MINIMUM 4 OZ. OR APPROVED EQUIVALENT) BETWEEN THE UNDISTURBED GRADE SOIL AND THE BACKFILL. THE DRYWELL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND PRIOR TO FINAL ACCEPTANCE, THE SINGLE PLACE MATERIAL SHALL BE REMOVED FROM THE DRYWELL. THE DRYWELL SHALL ALSO BE SELECTED TO CONTAIN THE MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
18. THE CONTRACTOR SHALL DEPLOY A LICENSED SURVEYOR TO VERIFY THAT THE GRADES-WATER FORMS ARE AT THE CORRECT GRADE AND THE CURB FORMS ARE ON THE PLANS.
19. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL DURING CONSTRUCTION. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE "WASHINGTON STATE DEPARTMENT OF TRANSPORTATION" (WSDOT) STANDARDS.
20. CURBS GRADES SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS. ALL CURB AND PLAN, ARE MEASURED ON CENTER OF SIDEWALK. SHALL BE FROM A PROFESSIONAL LAND SURVEYOR. THE CONTRACTOR SHALL PROVIDE A STRONG CONCRETE FORM FOR THE CURB. THE CONTRACTOR SHALL PROVIDE A STRONG CONCRETE FORM FOR THE CURB. THE CONTRACTOR SHALL PROVIDE A STRONG CONCRETE FORM FOR THE CURB. ANY CURBS THAT MUST BE REMOVED DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
21. ALL CONCRETE SHALL BE PROTECTED FROM DAMAGE BY HARSH WEATHER CONDITIONS.
22. THE CONTRACTOR SHALL PROVIDE ADEQUATE SUPERVISION TO ENSURE THAT THE CONCRETE FINISHERS ARE ON THE JOB SITE TO COMPLETE THE SURFACE FINISHING REQUIREMENTS.
23. THE CONTRACTOR SHALL PROVIDE ADEQUATE SUPERVISION TO ENSURE THAT THE CONCRETE FINISHERS ARE ON THE JOB SITE TO COMPLETE THE SURFACE FINISHING REQUIREMENTS.
24. THE CONTRACTOR SHALL PROVIDE ADEQUATE SUPERVISION TO ENSURE THAT THE CONCRETE FINISHERS ARE ON THE JOB SITE TO COMPLETE THE SURFACE FINISHING REQUIREMENTS.

This design improvements shown in this plan set are in compliance with the requirements of the Spokane County Standards for Road and Bridge Construction, and the Spokane County Guidelines for Stormwater Management. All design modifications have been approved by the Spokane County Engineer. I approve these plans for construction.

Developer's Approval Craig A. Taylor Date 2-6-2015

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.

EXPIRES 06/30/17

OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 7-7-14
DATE ACCEPTED 11/17/14

PROCESSED SERVICE AGENT
(HE-CC) PARKER
009-024-0200
THE THE PARKER WAY
SPRAG TOP 24

| REVISIONS | |
|---|---|
| 1 02/2015 | ROSEMARIE WILLIAM CC. |

DWN: JM DATE: 2/06/07
DSN: JMA DATE: 2/06/07

Taylor Engineering, Inc.
Civil Design and Land Planning
1120 N. Washington
Spokane, Washington 99201
(509) 326-4591 FAX (509) 326-5820

SCALE: N/A

1 / 10

COVER SHEET
NORTHWEST VISTAS
1st ADDITION

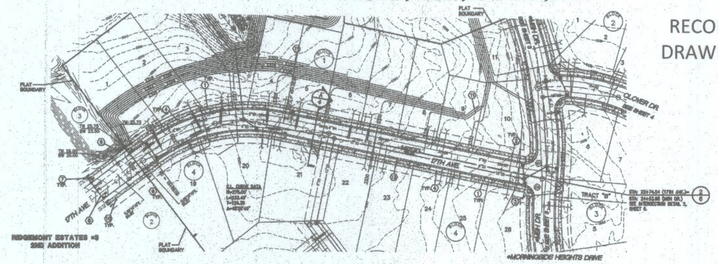
NW4SHEET(1)-COV.dwg

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PERMIT REQUIRED!

NAVD 88 DATUM



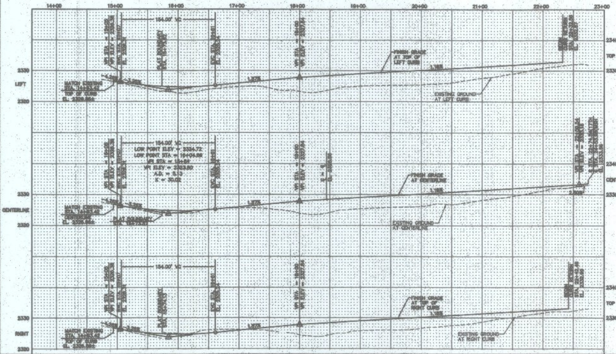

CURVE TABLE AT FACE OF CURB

| CURVE | RADIUS | LENGTH | DELTA |
|---|---|---|---|
| C1 | 20.00' | 35.11' | 100°34'45" |
| C2 | 20.00' | 28.70' | 82°12'44" |

CONSTRUCTION NOTES

ALL DETAILS SHALL BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. 5' WIDE CONCRETE SIDEWALK PER STANDARD SHEET A-4.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16.
4. 20' WIDE DRIVEWAY PER SPOKANE COUNTY STD. PLAN A-4.
5. (NOT USED)
6. CONCRETE RETAINING WALL PER SPOKANE COUNTY STANDARD DETAIL A-12 TO BE CONSTRUCTED TO FINISHED GRADE ELEVATIONS SHOWN. (BW=BOTTOM OF WALL, TW=TOP OF WALL)
7. REMOVE AND REPLACE CONCRETE SIDEWALK TO NEW FINISHED GRADE ELEVATIONS BETWEEN THE PLAT BOUNDARY (STA 15+73.87 AT 17TH AVE CL) TO STA 14+93.62 ON BOTH SIDES OF 17TH AVENUE.
8. SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE CURB AND GUTTER FROM PLAT BOUNDARY (STA 15+73.87 AT 17TH AVE CL) TO STA 14+93.62. REPLACE ASPHALT AND CONCRETE CURB AND GUTTER TO MATCH EXISTING AND TO FINISHED GRADES SHOWN IN PROFILE.
9. PROTECT EXISTING CATCH BASINS AND ADJUST RIM ELEVATIONS TO GRADES SHOWN ON STORM SHEET 7.
10. ALL WORK OUTSIDE OF THE NORTHWEST VISTAS ADDITION PLAT SHALL BE PERFORMED WITHIN THE SPOKANE COUNTY RIGHT OF WAY AND BORDER EASEMENTS.
11. PROPOSED CONTOURS SHOWN ARE TO ROUGH FINISHED GRADE. CONTRACTOR SHALL PROVIDE GRADING AS NECESSARY TO MEET ROAD CENTERLINE AND TOP OF CURB ELEVATIONS AND GRADES SHOWN IN PROFILES. PROPOSED CONTOURS SHALL BE CONSTRUCTED AS PART OF A SEPARATE MASS GRADING CONTRACT AND ADDITIONAL LOT GRADING WILL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
12. SPOKANE COUNTY TYPE "B" CONCRETE CURB AND GUTTER PER STANDARD PLAN A-3.




SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1462B
DATE ACCEPTED: 1/11/17

ANDY J. ELIASON, STATE OF WASHINGTON, 42767, PROFESSIONAL ENGINEER
EXPIRES 05/28/17

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

| No. | Date | By | Ckd. | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 02/2015 | PAR | | | ELIMINATED MULLIGAN CT. INT.; RENUMBER LOTS |

| | | Date |
|---|---|---|
| Drawn | DJH | 5/20/07 |
| Designed | BAN | 5/20/07 |
| Checked | MAA | 12/2014 |

Taylor Engineering, Inc.
Civil Design and Land Planning

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: REBAR AND CAP AT INTERSECTION OF CLOVER AND MANGROVE DRIVE. EL.=2335.68(NAVD 88)

CADD FILE NAME: RD14043(2)-17TH AVE.dwg

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

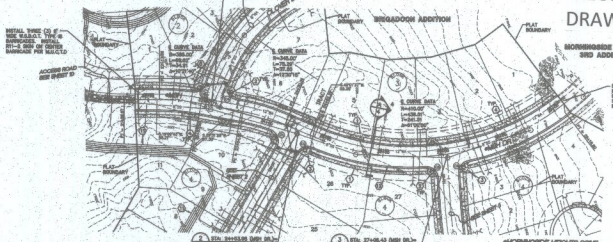
NORTHWEST VISTAS ADDITION

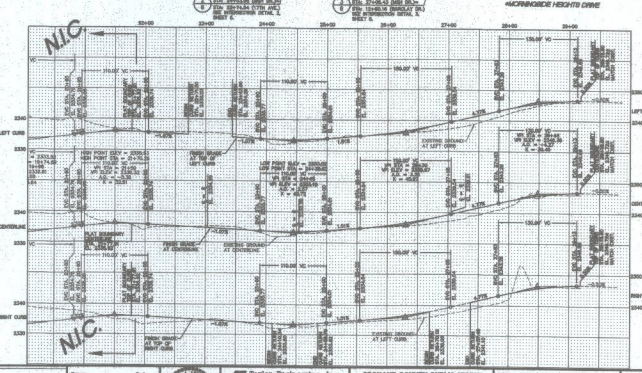
17TH AVENUE
STA. 14+93.42 TO STA. 22+74.54

ROAD
SHEET 2 / 10

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING




NAVD 88 DATUM

CURVE TABLE AT FACE OF CURB

| CURVE | RADIUS | LENGTH | DELTA |
|---|---|---|---|
| C1 | 20.00' | 25.11' | 100°24'46" |
| C2 | 20.00' | 28.70' | 82°12'44" |
| C3 | 20.00' | 27.88' | 79°14'38" |
| C4 | 20.00' | 35.42' | 100°16'22" |
| C5 | 20.00' | 31.32' | 89°32'32" |
| C6 | 20.00' | 34.34' | 91°22'17" |

CONSTRUCTION NOTES:
ALL REQUIRED WORK TO BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. 5' WIDE CONCRETE SIDEWALK PER STANDARD SHEET A-4.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16.
4. 20' WIDE DRIVEWAY PER SPOKANE COUNTY STD. PLAN A-4.
5. (LABEL NOT USED)
6. PROPOSED CONTOURS SHOWN ARE TO ROUGH FINISHED GRADE. CONTRACTOR SHALL PROVIDE GRADING AS NECESSARY TO MEET REAR CENTERLINE AND TOP OF CURB ELEVATIONS AND GRADES SHOWN IN PROFILE. PROPOSED CONTOURS ARE TO BE ADJUSTED TO MEET THE ABOVE. CONTRACTOR SHALL GRADING CONTRACT AND ADDITIONAL LOT GRADING WILL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
7. SPOKANE COUNTY TYPE 'B' CONCRETE CURB AND GUTTER PER STANDARD PLAN A-2.

SPOKANE COUNTY BOARD OF COMMISSIONERS
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2-7-91
THIS DOCUMENT IS THE PROPERTY OF SPOKANE COUNTY. ANY REPRODUCTION, REUSE OR DISTRIBUTION WITHOUT WRITTEN PERMISSION IS PROHIBITED.
PERMIT INQUIRIES (509) 477-3600
NOTE: CONSTRUCTION PLANS EXPIRE 180 DAYS FROM ISSUE DATE

OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 2-7-91
DATE ACCEPTED 11/15

SHEET 10 OF 10

THIS BLUEPRINT, THE PROPERTY OF THE CORPORATION, MUST BE RETURNED UPON ITS DEMAND. ALL INFORMATION, CONFIDENTIAL IN NATURE, CONTAINED ON THIS PLAN AND STANDARD SPECIFICATIONS PROJECT NUMBER

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
800-424-5555
Wash. Rev. Code 19.122

| No. | Date | By | Ckd | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 05/2010 | PAB | | | ENGINEERED SLOPES AND UTS |

Drawn Date
SM 5/26/91
Designed
SM 5/26/91
Checked
MA 10/94

Taylor Engineering, Inc.
Civil Design and Land Planning
N. 104 Division St.
Spokane, Washington 99202
(509) 326-4271 FAX (509) 326-1854

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 1026 Broadway Ave.
Spokane, Wa. 99260
509-477-3600

VERTICAL DATUM: SPOKE AVE 1/4 AT WEBSTER, ELEV. 2000.00 (NGVD 29) 1.0'=2000.00' MSL
CADD FILE NAME: RD1404X(3)-4(04 SB.dwg
50 25 0 50 100
SCALE FEET

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

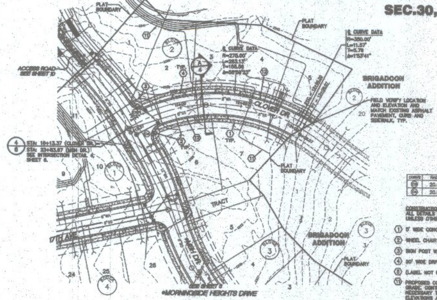
NORTHWEST VISTAS ADDITION

MORNINGSIDE HEIGHTS DRIVE
21+77.91 TO STA. 29+18.99

ROAD
SHEET 3 / 10

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD
DRAWING




NORTH

*NAVD 88 DATUM*

CURVE TABLE AT FACE OF CURB

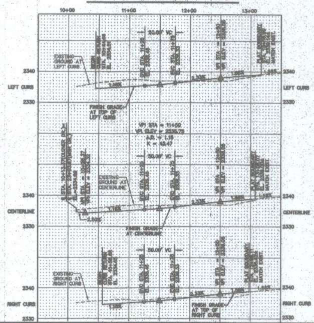
| CURVE | RADIUS | LENGTH | DELTA |
|---|---|---|---|
| C3 | 20.00' | 27.86' | 79°47'56" |
| C4 | 20.00' | 35.02' | 100°19'32" |

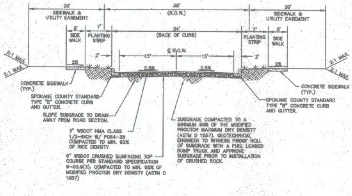
CONSTRUCTION NOTES
ALL DETAILS SHALL BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. 5' WIDE CONCRETE SIDEWALK PER STANDARD SHEET A-4.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16.
4. 20' WIDE DRIVEWAY PER SPOKANE COUNTY STD. PLAN A-4.
5. (LABEL NOT USED)
11. PROPOSED CONTOURS SHOWN ARE TO ROUGH FINISHED GRADE. CONTRACTOR SHALL PROVIDE GRADING AS NECESSARY TO MEET ROAD CENTERLINE AND TOP OF CURB ELEVATIONS AND GRADES SHOWN IN PROFILES. PROPOSED CONTOURS SHALL BE CONSTRUCTED AS PART OF A SEPARATE MASS GRADING CONTRACT AND ADDITIONAL LOT GRADING WILL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
12. SPOKANE COUNTY TYPE "B" CONCRETE CURB AND GUTTER PER STANDARD PLAN A-3.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

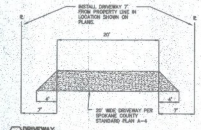
CLOVER DRIVE



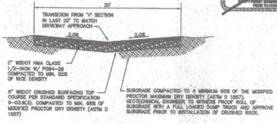




TYPICAL ROAD SECTION
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1762B
DATE ACCEPTED: 1/11/17




4 DRIVEWAY
NOT TO SCALE




20' WIDE PRIVATE DRIVE
NOT TO SCALE

ANDY J. ELIASON
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
EXPIRES 05/28/17

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

| No. | Date | By | Ckd | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 02/2015 | PAH | | | RENUMBERED BLOCKS AND LOTS |

| | Date |
|---|---|
| Drawn: DJJ | 8/20/07 |
| Designed: BAH | 8/20/07 |
| Checked: MAA | 12/2014 |

Taylor Engineering, Inc.
Civil Design and Land Planning
Spokane, Washington

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane, Wa. 99260
509-477-3600

VERTICAL DATUM:
CADD FILE NAME: RD14043(4)-CLOVER.DWG

SCALE
HORIZ. 1"=50'
VERT. 1"=10'
50 25 0 50 100
SCALE FEET

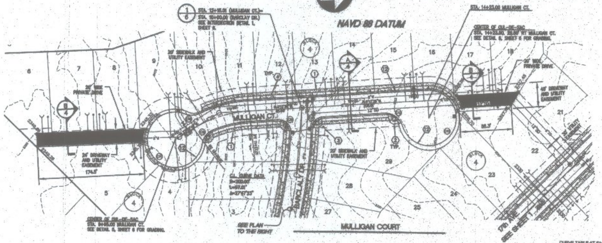
NORTHWEST VISTAS ADDITION

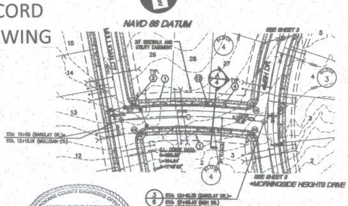
CLOVER DRIVE
STA. 10+13.37 TO STA. 13+08.07

ROAD SHEET 4 / 10

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING




SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1962.B
DATE ACCEPTED: 1/11/17

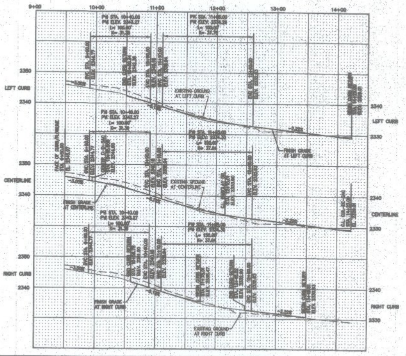
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1962.B
RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

CURVE TABLE AT FACE OF CURB

| CURVE | RADIUS | LENGTH | DELTA |
|---|---|---|---|
| [illegible] | 20.00' | 31.25' | 89°32'20" |
| [illegible] | 20.00' | 28.29' | 81°03'27" |
| [illegible] | 20.00' | 29.30' | 83°57'01" |
| [illegible] | 20.00' | 33.73' | 96°37'50" |
| [illegible] | 30.00' | 30.62' | 58°28'49" |
| [illegible] | 30.00' | 24.67' | 47°06'55" |
| [illegible] | 45.00' | 222.22' | 282°56'40" |
| [illegible] | 30.00' | 39.85' | 76°06'46" |
| [illegible] | 45.00' | 201.15' | 256°06'46" |

**CONSTRUCTION NOTES**
ALL DETAILS SHALL BE PER SPOKANE COUNTY STANDARDS UNLESS OTHERWISE NOTED.

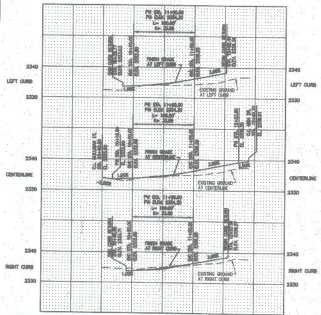
1. 5' WIDE CONCRETE SIDEWALK PER STANDARD SHEET A-4.
2. WHEEL CHAIR RAMP PER STANDARD SHEET A-5, DESIGN 'B'.
3. SIGN POST W/STREET SIGN PER STANDARD SHEET A-16.
4. 20' WIDE DRIVEWAY PER SPOKANE COUNTY STD. PLAN A-4.
12. SPOKANE COUNTY TYPE "B" CONCRETE CURB AND GUTTER PER STANDARD PLAN A-3.




ANDY J. ELIASON
STATE OF WASHINGTON
42757
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 05/28/17

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




| No. | Date | By | Ckd. | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 02/2015 | PAH | | | RECONFIGURE MULLIGAN CT. |

| | | |
|---|---|---|
| Drawn | DJJ | 5/29/07 |
| Designed | BAN | 5/29/07 |
| Checked | MAA | 12/2014 |

MARK A. ARONSON, STATE OF WASHINGTON, 34081, PROFESSIONAL ENGINEER

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

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: REBAR AND CAP AT INTERSECTION OF CLOVER AND SHAMROCK DRIVE. EL.=2336.88(NAVD 88)

CADD FILE NAME: RD14043(5)-MULLIGAN & BARCLAY.dwg

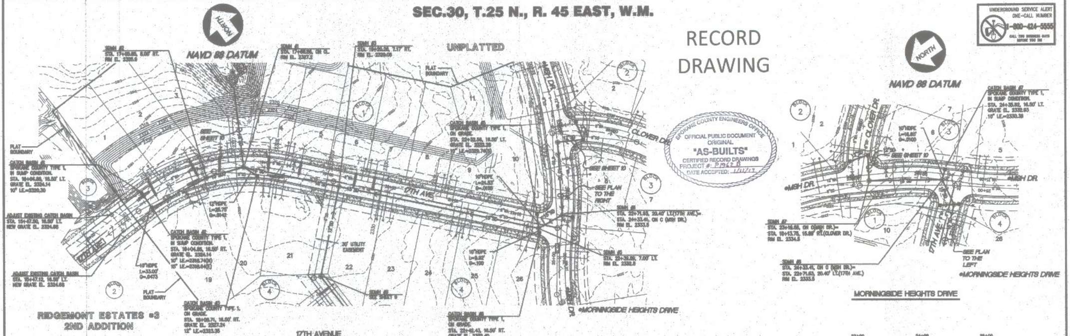
SCALE 50 25 0 50 100 FEET

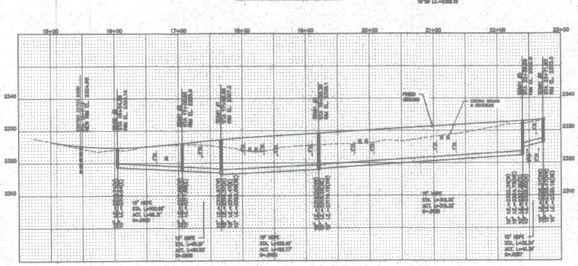
SCALE
HORIZ. 1"=50'
VERT. 1"=10'

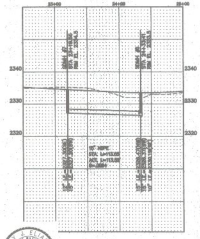
NORTHWEST VISTAS ADDITION

MULLIGAN COURT
STA. 9+60.00 TO STA. 14+23.00
AND
BARCLAY DRIVE
STA. 10+00.00 TO STA. 12+40.30

ROAD
SHEET
5 / 10




| MANHOLE SCHEDULE | | COORDINATES | |
|---|---|---|---|
| M.H. NO. | M.H. TYPE | NORTHING | EASTING |
| SDMH #1 | I-48 | 7344.56 | 4775.86 |
| SDMH #2 | I-48 | 7356.97 | 4719.83 |
| SDMH #3 | I-48 | 7265.74 | 4636.46 |
| SDMH #4 | I-48 | 7212.29 | 4690.60 |
| SDMH #5 | I-48 | 6967.03 | 5064.17 |
| SDMH #6 | I-48 | 6980.36 | 5125.63 |
| SDMH #7 | I-48 | 7074.48 | 5189.54 |

NOTES:

1. SPOKANE COUNTY TYPE 1 CATCH BASIN, ON GRADE, PER SPOKANE COUNTY STD. PLAN B-4 WITH A TYPE 1 METAL FRAME PER STD. PLAN B-10 AND A TYPE 1 METAL GRATE PER STD. PLAN B-12.
2. SPOKANE COUNTY TYPE 1 CATCH BASIN, IN SUMP CONDITION, PER SPOKANE COUNTY STD. PLAN B-4 WITH A TYPE 2 METAL FRAME PER STD. PLAN B-11 AND A TYPE 3 METAL GRATE PER STANDARD PLAN B-14.
3. WSDOT TYPE 2 GRATE INLET, IN SUMP CONDITION PER WSDOT STD. PLAN B-4C. INLET TO BE INSTALLED WITH "NORMAL" ORIENTATION. FRAME AND VANED GRATES FOR TYPE 2 GRATE INLET PER WSDOT PLAN B-4D. ORIENT GRATES TO ACCOMMODATE FLOW FROM BOTH DIRECTIONS.
4. STORM DRAIN MANHOLE TYPE I-48 PER SPOKANE COUNTY STD. PLAN U-2 WITHOUT CHANNEL AND WITH A 1' MINIMUM SUMP BELOW LOWEST PIPE INVERT ELEVATION.
5. STORM DRAIN MANHOLE TYPE II-48 PER SPOKANE COUNTY STD. PLAN U-5 WITHOUT CHANNEL AND WITH A 1' MINIMUM SUMP BELOW LOWEST PIPE INVERT ELEVATION.
6. PROPOSED CONTOURS SHOWN ARE TO ROUGH FINISHED GRADE. SEE ROAD SHEETS FOR ACTUAL FINISHED GRADE FOR ROADS AND CURBS. PROPOSED CONTOURS SHALL BE CONSTRUCTED AS PART OF A SEPARATE MASS GRADING CONTRACT. ANY ADDITIONAL LOT GRADING WILL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
7. CATCH BASIN OFFSET DISTANCES NOTED ARE FROM ROAD CENTERLINE TO FACE OF CURB. CONTRACTOR SHALL ADJUST THIS DISTANCE FOR PROPER INSTALLATION OF CATCH BASIN PER STD. PLAN B-

EXPIRES 05/28/17

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
CONSTRUCTION PLANS
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

| No. | Date | By | Ckd. | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 02/2015 | PAH | | | ELIMINATED MULLIGAN CT. INT.; RENUMBER LOTS MODIFIED STORM LINE FROM MULLIGAN TO 17TH |

| | Name | Date |
|---|---|---|
| Drawn | DJJ,MJW | 8/20/07 |
| Designed | BAN | 8/20/07 |
| Checked | MAA | 8/20/07 |

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

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: REBAR AND CAP AT INTERSECTION OF CLOVER AND SHAMROCK DRIVE. EL=2336.66(NAVD 88)

CADD FILE NAME: SD14043(B)-17TH AVE & MSH-DR.dwg

SCALE: 50 25 0 50 100 FEET

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

NORTHWEST VISTAS ADDITION

17TH AVENUE
STA. 15+47.12 TO STA. 22+74.54
AND
MORNINGSIDE HEIGHTS DRIVE
STA. 23+19.56 TO STA. 24+33.41

STORM
SHEET 6 / 10

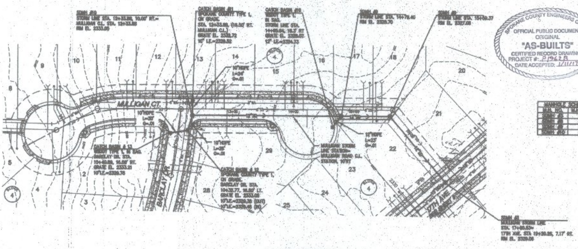
# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING

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

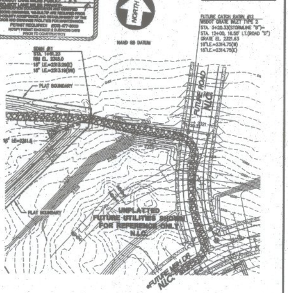
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1962B
DATE ACCEPTED: 1/11/17

## RIDGEMONT ESTATES #3 2ND ADDITION

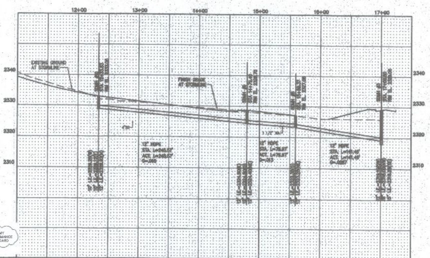



NOTE:
STORM SEWER EAST OF STORM MAIN AND IN FUTURE MORNINGSIDE HEIGHTS DRIVE AND FUTURE ROAD "D" WILL BE CONSTRUCTED AS PART OF FUTURE PHASES. OTHER IMPROVEMENTS IN AND ALONG FUTURE MORNINGSIDE HEIGHTS DRIVE AND FUTURE ROAD "D" WILL ALSO BE CONSTRUCTED AS A PART OF FUTURE PHASES.

| MANHOLE SCHEDULE | | COORDINATES | |
|---|---|---|---|
| M.H. NO. | M.H. TYPE | NORTHING | EASTING |
| SDMH #3 | I-48 | 7228.11 | 4876.91 |
| SDMH #8 | I-48 | 7136.61 | 4788.42 |
| SDMH #9 | I-48 | 7056.98 | 4788.91 |
| SDMH #10 | I-48 | 6811.41 | 4769.90 |



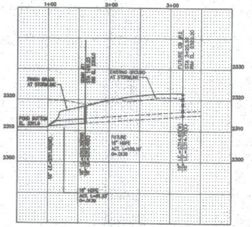

MULLIGAN COURT




NOTES:

1. SPOKANE COUNTY TYPE 1 CATCH BASIN, ON GRADE, PER SPOKANE COUNTY STD. PLAN B-4 WITH A TYPE 1 METAL FRAME PER STD. PLAN B-10 AND A TYPE 1 METAL GRATE PER STD. PLAN B-12.
2. SPOKANE COUNTY TYPE 1 CATCH BASIN, IN SUMP CONDITION, PER SPOKANE COUNTY STD. PLAN B-4 WITH A TYPE 2 METAL FRAME PER STD. PLAN B-11 AND A TYPE 3 METAL GRATE PER STANDARD PLAN B-14.
3. WSDOT TYPE 2 GRATE INLET, IN SUMP CONDITION PER WSDOT STD. PLAN B-6C. INLET TO BE INSTALLED WITH "NORMAL" ORIENTATION. FRAME AND VANED GRATES FOR TYPE 2 GRATE INLET PER WSDOT PLAN B-4D. ORIENT GRATES TO ACCOMMODATE FLOW FROM BOTH DIRECTIONS.
4. STORM DRAIN MANHOLE TYPE I-48 PER SPOKANE COUNTY STD. PLAN U-2 WITHOUT CHANNEL AND WITH A 1' MINIMUM SUMP BELOW LOWEST PIPE INVERT ELEVATION.
5. STORM DRAIN MANHOLE TYPE II-48 PER SPOKANE COUNTY STD. PLAN U-5 WITHOUT CHANNEL AND WITH A 1' MINIMUM SUMP BELOW LOWEST PIPE INVERT ELEVATION.
6. PROPOSED CONTOURS SHOWN ARE TO ROUGH FINISHED GRADE. SEE ROAD SHEETS FOR ACTUAL FINISHED GRADE FOR ROADS AND CURBS. PROPOSED CONTOURS SHALL BE CONSTRUCTED AS PART OF A SEPARATE MASS GRADING CONTRACT. ANY ADDITIONAL LOT GRADING WILL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
7. CATCH BASIN OFFSET DISTANCES NOTED ARE FROM ROAD CENTERLINE TO FACE OF CURB. CONTRACTOR SHALL ADJUST THIS DISTANCE FOR PROPER INSTALLATION OF CATCH BASIN PER STD. PLAN B-7.

STORMLINE "B"




ANDY J. ELIASON, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 32767

EXPIRES 05/28/17

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.

| No. | Date | By | Ckd | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 02/2015 | PAH | | | RECONFIGURED MULLIGAN CT.; RENUMBER LOTS |

| | | |
|---|---|---|
| Drawn | DJJ | 8/20/07 |
| Designed | BAN | 8/20/07 |
| Checked | MAA | 12/2014 |

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

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

VERTICAL DATUM: REBAR AND CAP AT INTERSECTION OF CLOVER AND SHAMROCK DRIVE. EL.=2338.86(NAVD 88)

CADD FILE NAME: SD14043(9)-MULLIGAN-CT.dwg

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

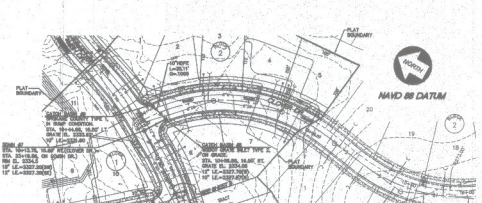
NORTHWEST VISTAS ADDITION

MULLIGAN COURT
STA. 12+33.83 TO STA. 17+66.83
AND
STORMLINE "B"
STA. 1+00 TO STA. 1+61.23

ROAD SHEET 7 / 10

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING



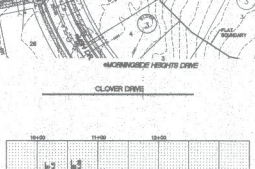

CLOVER DRIVE

STORMLINE "A"
STA. 1+00 - STA. 17+66.86 (17TH AVE.)

| MONUMENT TABLE | | | |
|---|---|---|---|
| MON. # | NORTHING | EASTING | DESCRIPTION |
| MON. 1 | 0.00 | 0.00 | 3" BRASS CAP |
| MON. 2 | 0.00 | 1,000.00 | 3" BRASS CAP |
| MON. 3 | 0.00 | 2,000.00 | 3" BRASS CAP |
| MON. 4 | 0.00 | 3,000.00 | 3" BRASS CAP |

NOTES:

1. SPOKANE COUNTY TYPE 1 CATCH BASIN, OR GRADE, PER SPOKANE COUNTY STD PLAN B-14 WITH A TYPE 1 METAL FRAME PER STD. PLAN B-10 AND A TYPE 1 METAL GRATE PER STD. PLAN B-12.
2. SPOKANE COUNTY TYPE 1 CATCH BASIN, IN SUMP CONDITION, PER SPOKANE COUNTY STD. PLAN B-14 WITH A TYPE 1 METAL FRAME PER STD. PLAN B-10 AND A TYPE 2 METAL GRATE PER STANDARD PLAN B-11A.
3. WSDOT TYPE 2 GRATE INLET, IN SUMP CONDITION PER WSDOT STD. PLAN B-30. INLET TO BE INSTALLED WITH "NORMAL" ORIENTATION. FRAME AND VANED GRATES PER TYPE 2 GRATE INLET PER WSDOT PLAN B-45. GRREEN GRATES TO ACCOMMODATE FLOW FROM BOTH DIRECTIONS.
4. STORM DRAIN MANHOLE TYPE 1-48 PER SPOKANE COUNTY STD. PLAN U-1. WITHOUT CHAMBER, AND WITH A 7' MINIMUM SUMP BELOW LOWEST PIPE INVERT ELEVATION.
5. STORM DRAIN MANHOLE TYPE 2-48 PER SPOKANE COUNTY STD. PLAN U-1. WITHOUT CHAMBER, AND WITH A 7' MINIMUM SUMP BELOW LOWEST PIPE INVERT ELEVATION.
6. PROPOSED CONTOURS SHOWN ARE TO ROUGH FINISHED GRADE. SEE ROAD SHEETS FOR ACTUAL FINISHED GRADE FOR ROADS AND CURBS. PROPOSED CONTOURS SHALL BE CONSTRUCTED AS PART OF A SEPARATE MASS GRADING CONTRACT. ANY ADDITIONAL LOT GRADING WILL BE COORDINATED BETWEEN THE CONTRACTOR AND OWNER.
7. CATCH BASIN OFFSET DISTANCES NOTED ARE FROM ROAD CENTERLINE. SEE ROAD SHEETS FOR ADDITIONAL CATCH BASIN TIED DISTANCE FOR MINIMUM INSTALLATION OF CATCH BASIN PER STD. PLAN B-7.



DATE: 10/30/07

THIS SHEET IS THE ORIGINAL FILE TO BE PLOTTED AT A 1:1 RATIO. ANY OTHER SHEETS ARE TO BE DERIVATIVE. CONTRACTORS ARE TO USE THE ORIGINAL FILE TO PLOT ALL SHEETS REQUIRED FOR CONSTRUCTION.

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P_____
DATE ACCEPTED: _____

SPOKANE COUNTY PUBLIC WORKS
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P_____
DATE ACCEPTED: _____
ACCEPTED BY: _____
ALL CHANGES TO THE ORIGINAL PLAN SHALL BE MADE IN ACCORDANCE WITH SPOKANE COUNTY STANDARDS AND SHALL BE ACCOMPANIED BY A REVISED PLAN SHEET. ALL PLAN SHEETS REQUIRED TO BE REVISED SHALL BE REVISED AND RESUBMITTED FOR REVIEW AND APPROVAL. ALL PLAN SHEETS REQUIRED TO BE REVISED SHALL BE REVISED AND RESUBMITTED FOR REVIEW AND APPROVAL. ALL PLAN SHEETS REQUIRED TO BE REVISED SHALL BE REVISED AND RESUBMITTED FOR REVIEW AND APPROVAL.
PERMIT REQUIRED (509) 477-3600
DEVELOPMENT SERVICES (509) 477-3600
1026 W. BROADWAY AVE.
SPOKANE, WASHINGTON 99260


| No. | Date | By | Chd | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 10/30/07 | TW | | | REVISED MILLION/17TH AV.,MONNIER LIFT |

Drawn: Date: 5/30/07
Designed: Date: 5/30/07
Checked: Date: 10/30/07


Taylor Engineering, Inc.
Civil Design and Land Planning
W. 1026 Broadway Ave.
Spokane, Washington 99201
(509) 326-5271 FAX (509) 325-4234


SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane, Wa. 99260
509-477-3600

VERTICAL DATUM: NGVD 29 BY AT ENGINEERING SPECIFICATIONS, SPOKANE COUNTY NAD 83 - NGVD29 VERTICAL ADJ.

CADD FILE NAME: SR-NAD83-CLOVER DR. & ST L.dwg

50 25 0 50 100
SCALE FEET

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

NORTHWEST VISTAS ADDITION

CLOVER DRIVE
STA. 10+13.75 TO STA. 10+56.86
AND
STORMLINE "A"
STA. 1+00 TO STA. 2+25.18

ROAD SHEET 8 / 10

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING

NAVD 88 DATUM

UNPLATTED

N.I.C.

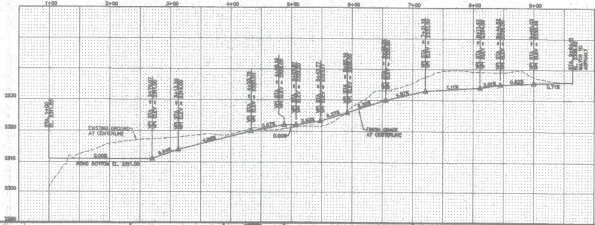
DETENTION POND ACCESS ROAD

NAVD 88 DATUM

UNPLATTED

N.I.C.

DETENTION POND ACCESS ROAD



| CURVE TABLE AT BEGIN OF GRAVEL | | | | |
|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | DELTA | |
| C3 | 20.00' | 33.53' | 96°06'23" | |
| C5 | 20.00' | 29.39' | 83°44'38" | |

NOTES:

1. PROPOSED CONTOURS SHOWN ARE ROUGH FINISHED GRADES. CONSTRUCT POND ACCESS ROAD TO GRADES AND ELEVATIONS SHOWN IN PROF. 1.
2. PROPOSED CONTOURS SHALL BE CONSTRUCTED AS SHOWN ON SHEET 7 MAIN DRAINAGE PLAN.

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT # 7176.L.2
DATE ACCEPTED: 10/15/2014

SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
APPROVED
ACCEPTANCE DATE: 10/15/2014
CONTACT LAND USE MAIN PUBLIC
CONTACT LAND USE MAIN PUBLIC
THIS DOCUMENT IS THE PROPERTY OF SPOKANE COUNTY. ANY REVISIONS OR MODIFICATIONS TO THIS DOCUMENT WITHOUT WRITTEN PERMISSION FROM SPOKANE COUNTY WILL VOID ALL REPRESENTATIONS, AND SPOKANE COUNTY WILL NOT BE LIABLE FOR ANY DAMAGES RESULTING FOR SUCH USE.
SPOKANE COUNTY ENGINEERING DEPARTMENT
ACCEPTANCE DATE: 10/15/2014
SPOKANE COUNTY ENGINEERING DEPARTMENT

| No. | Date | By | Chd | Appr. | |
|---|---|---|---|---|---|
| 1 | 02/2015 | FAE | | | REVISED SIZE OF DRAINAGE POND |

Drawn: SJC 5/24/07
Designed: SJM 5/24/07
Checked: MAA 10/2014

Taylor Engineering, Inc.
3705 Sprigg and Land Planning
N. Ben Mazen Ave.
Spokane, Washington 99205
(509) 990-9871 FAX (509) 990-9874

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
N. 1020 Broadway Ave.
Spokane, Wa. 99260
509-477-3600

VERTICAL DATUM: NGVD 29 (AS OF 4/27/2010 ADD 1.54 TO ELEVATIONS TO CONVERT TO NAVD88 DATUM)

CAD FILE NAME: REV-DRAINCSD-ACCESS ROAD.dwg

SCALE: 50 25 0 50 100 FEET

SCALE: HORZ. 1"=50' VERT. 1"=10'

NORTHWEST VISTAS ADDITION

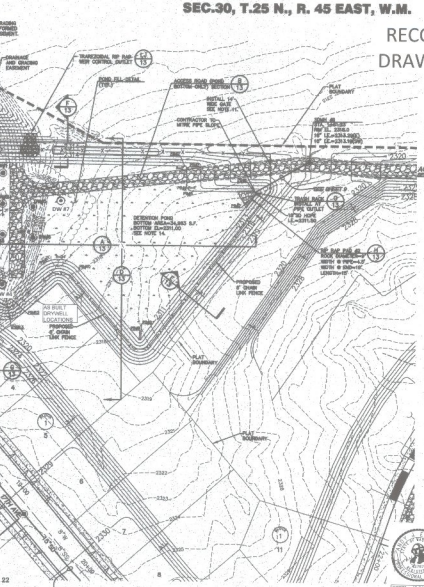
DETENTION POND ACCESS ROAD
STA. 1+08 TO STA. 9+64.41

ROAD SHEET 9 / 10

# SEC.30, T.25 N., R. 45 EAST, W.M.

RECORD DRAWING

NAVD 88 DATUM




## DRAINAGE NOTES:

1. CONTRACTOR SHALL INSTALL FILTER FABRIC OVER CATCH BASIN AND DRYWELL GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN DEBRIS COLLECTED ON FABRIC. IF THE FILTER FABRIC, FOR ANY REASON, IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND/OR DRYWELL AND REPLACE FILTER FABRIC.
2. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED, WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, 2006, AND PROJECT GEOTECHNICAL REPORTS.
3. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
4. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
6. MANHOLE TYPE I-48 IS PER SPOKANE COUNTY STANDARD PLAN NO. U-2 WITH RING AND COVER PER SPOKANE COUNTY STANDARD PLAN U-13.
7. ALL STORM SEWER PIPE AND FITTINGS SHALL BE HIGH DENSITY POLY ETHYLENE (HDPE) AND MEET THE REQUIREMENTS OF AASHTO M 294 TYPE S OR S1.
8. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AASHTO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAIN ROCK AND THE NATIVE SOIL. SEE SPOKANE COUNTY STANDARD PLAN NO. D-14 FOR DRYWELL DETAIL.
10. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SHALL INCLUDE THE LEVEL PORTION OF THE GPA, AND THE SIDE SLOPES UP TO THE EXTERIOR TOP OF BERM ELEVATION. THE GPA FLOOR ELEVATION ON TOP OF DRYWELL, AND WILL LOCATED IN THE FLOOR OF THE GPA SHALL BE FILLED WITH BERM MATERIAL WITH A MINIMUM PERCOLATION RATE OF 5.0 INCHES PER HOUR. PRIOR TO INSTALLATION OF THE GRASS SEED, A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT, AND WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING THE GRASS SEED FOR REVIEW AND 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.

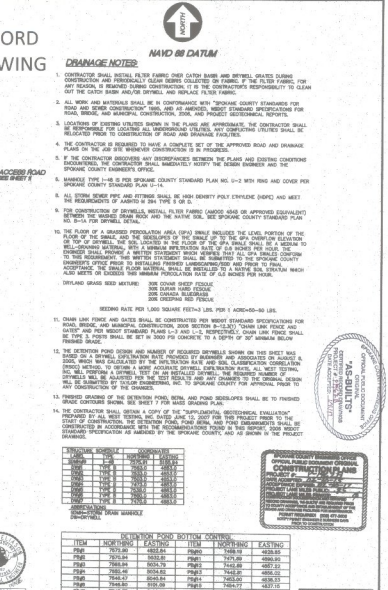
DRYLAND GRASS SEED MIXTURE: 30% COVER SHEEP FESCUE
30% DURAR HARD FESCUE
30% SHORT TERM RYEGRASS
20% CREEPING RED FESCUE

SEEDING RATE PER 1,000 SQUARE FEET=3 LBS. PER 1 ACRE=50-60 LBS.

11. CHAIN LINK FENCE AND GATES SHALL BE CONSTRUCTED PER WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, 2006 SECTION 9-3.3(1) "CHAIN LINK FENCE AND GATES" AND PER WSDOT STANDARD PLANS L-3 AND L-5, RESPECTIVELY. CHAIN LINK FENCE SHALL BE SET 3 INCHES ABOVE GRADE. POSTS SHALL BE SET IN 3000 PSI CONCRETE TO A DEPTH OF 12" MINIMUM BELOW FINISHED GRADE.
12. THE DETENTION POND DESIGN AND NUMBER OF REQUIRED DRYWELLS SHOWN ON THIS SHEET WAS BASED ON THE INFILTRATION RATE PROVIDED BY BARNARD AND ASSOCIATES OR AUGUST 8, 2005, WHICH WAS CALCULATED USING THE "ASTM D3385 DOUBLE RING INFILTROMETER" (DRIC) METHOD. TO OBTAIN A MORE ACCURATE DRYWELL EXFILTRATION RATE, ALL WEST TESTING, INC. WILL PERFORM A DRYWELL TEST ON AN INSTALLED DRYWELL. THE REQUIRED NUMBER OF DRYWELLS, AS SHOWN ON THIS SHEET, MAY RESULT DUE TO ANY ANY CHANGES TO THE ORIGINAL DESIGN WILL BE SUBMITTED BY OUTLOOK ENGINEERING, INC. TO SPOKANE COUNTY FOR APPROVAL PRIOR TO ANY CONSTRUCTION OF THE CHANGES.
13. FINISHED GRADING OF THE DETENTION POND, BERM AND POND SIDESLOPES SHALL BE TO FINISHED GRADE CONTOURS SHOWN. SEE SHEET 7 FOR MASS GRADING PLAN.
14. THE CONTRACTOR SHALL OBTAIN A COPY OF THE "SUPPLEMENTAL GEOTECHNICAL EVALUATION" PREPARED BY ALL WEST TESTING, INC. DATED JUNE 12, 2007 FOR THE GEOTECHNICAL EVALUATION OF THE START OF CONSTRUCTION. THE DETENTION POND, POND BERM, AND POND EMBANKMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS FOUND IN THIS REPORT, 2006 WSDOT STANDARD SPECIFICATION AS AMENDED BY THE SPOKANE COUNTY, AND AS SHOWN IN THE PROJECT DRAWINGS.

| STRUCTURE SCHEDULE | | | |
|---|---|---|---|
| LABEL | TYPE | NORTHING | EASTING |
| DW1 | TYPE 5 | 7374.49 | 4852.84 |
| DW2 | TYPE 5 | 7374.49 | 4852.84 |
| DW3 | TYPE 5 | 7374.49 | 4852.84 |
| DW4 | TYPE 5 | 7374.49 | 4852.84 |
| DW5 | TYPE 5 | 7374.49 | 4852.84 |
| DW6 | TYPE 5 | 7374.49 | 4852.84 |
| DW7 | TYPE 5 | 7374.49 | 4852.84 |
| DW8 | TYPE 5 | 7374.49 | 4852.84 |
| DW9 | TYPE 5 | 7374.49 | 4852.84 |
| ABBREVIATIONS: DGM=STORM DRAIN MANHOLE DW=DRYWELL | | | |

| DETENTION POND BOTTOM CONTROL | | | | | |
|---|---|---|---|---|---|
| ITEM | NORTHING | EASTING | ITEM | NORTHING | EASTING |
| PB#1 | 7575.49 | 4852.84 | PB#3 | 7488.16 | 4838.85 |
| PB#2 | 7575.54 | 4832.80 | PB#4 | 7479.69 | 4838.85 |
| PB#3 | 7566.44 | 4834.79 | PB#5 | 7441.89 | 4837.33 |
| PB#4 | 7562.46 | 4834.82 | PB#6 | 7442.01 | 4838.33 |
| PB#5 | 7544.47 | 4846.84 | PB#7 | 7444.57 | 4838.33 |
| PB#6 | 7546.80 | 4856.09 | PB#8 | 7484.77 | 4837.15 |
| PB#7 | 7544.36 | 4856.47 | PB#9 | 7486.65 | 4835.86 |
| PB#8 | 7490.50 | 4860.46 | PB#10 | 7482.63 | 4838.13 |
| PB#9 | 7486.60 | 4866.91 | PB#11 | 7488.99 | 4841.33 |




| No. | Date | By | Chkd | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 02/2003 | PAH | | | REVISED MAILBOXES/TTB WS, REMARKED LOTS, |
| | | | | | BEGINNING/END OF SECTION PGS |

Drawn Date 5/30/07
Designed PAH 5/30/07
Checked RAA 5/30/07

Taylor Engineering, Inc.
Civil Engineers • Land Use Planning
N. 114 Division Ave.
Spokane, Washington 99202
(509) 326-0271 FAX (509) 326-0954

SPOKANE COUNTY PUBLIC WORKS
DIVISION ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260
509-477-3600

SCALE: HORZ. 1"=30' VERT. N/A

CAD FILE NAME: BRNR01B(S-BTOPNB).dwg

30 15 0 30 60
SCALE FEET

NORTHWEST VISTAS ADDITION

STORMWATER DETENTION POND

STORM SHEET 10 / 10