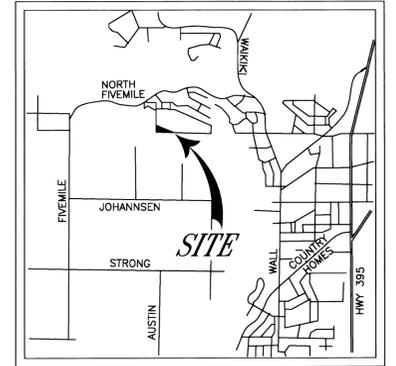
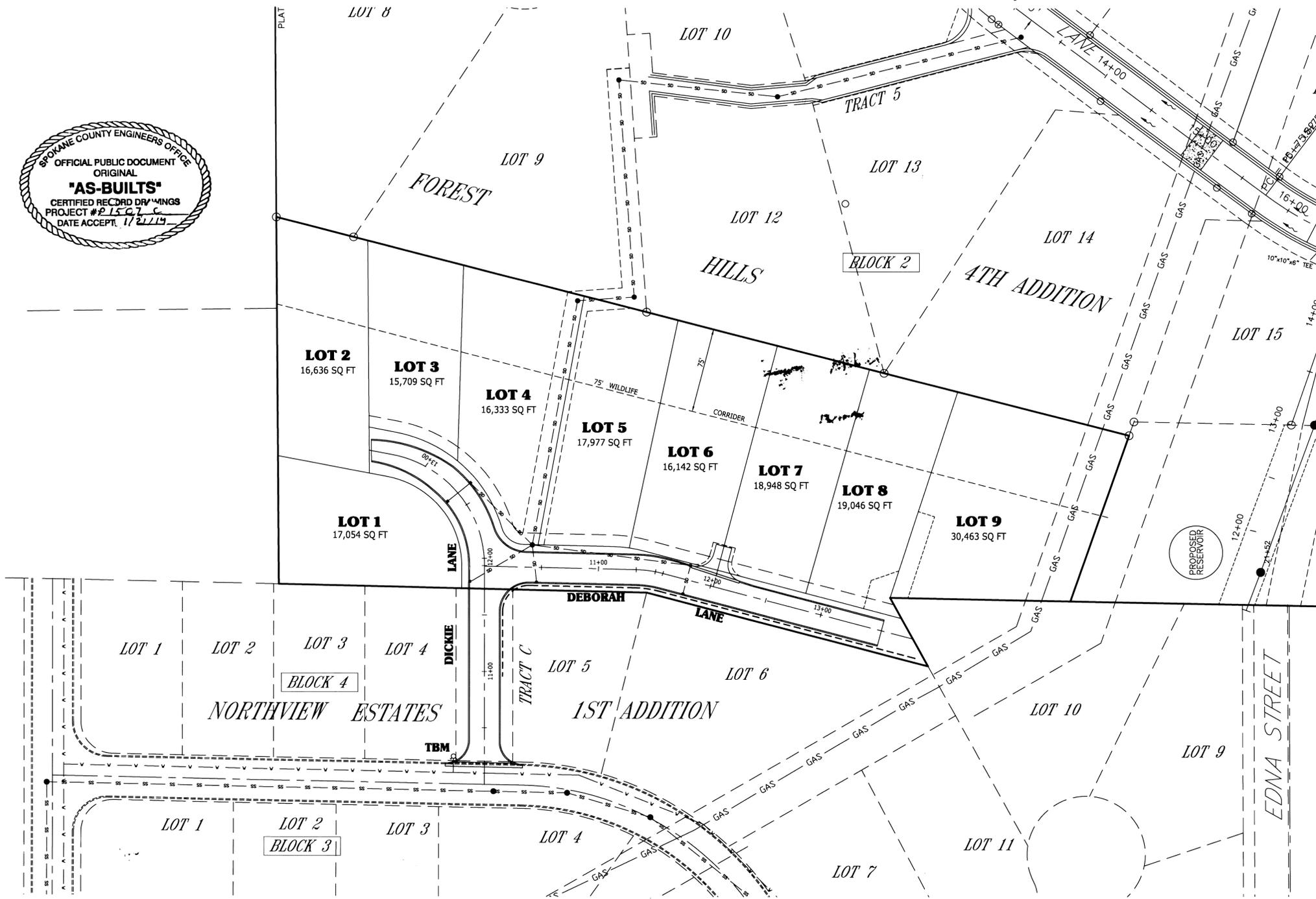


CALL 48 HOURS
BEFORE YOU DIG
456-8000
ONE CALL NUMBER

ROAD PLANS FOR FOREST HILLS FIFTH ADDITION PORTION OF THE NE1/4 OF SECTION 13, T26N, R42E, W.M. SPOKANE COUNTY, WASHINGTON



VICINITY MAP



STANDARD NOTES FOR CONSTRUCTION PLANS

- The following standard notes are to be included in a road and drainage plan set, for privately sponsored developments. These notes are applicable to both public and private roads.
- 1) All work and materials shall be in conformance with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2004, and as amended.
 - 2) 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.
 - 3) 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.
 - 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) Prior to site construction, the Contractor is responsible for locating underground utilities. Call the underground utility location service at 456-8000 before you dig.
 - 6) For any curb grades less than 0.8% (0.008 ft/ft), a Washington State-licensed Professional Land Surveyor shall verify that the curb forms are at the grades noted on the approved plans, prior to placement of curb material. The Contractor is responsible for arranging and coordinating work with the Professional Land Surveyor.
 - 7) The Contractor shall employ a licensed surveyor to verify that the cross-gutter forms are at the correct plane grade prior to concrete placement. The cross-gutters shall be constructed prior to paving, and the pavement shall then match the edge of concrete gutter.
 - 8) Type 1 catch basins to be Spokane County Standard per drawing B-4. Type 2 WSDOT catch basin are per Standard Plan b-10.20. Type 2 frame and grate will be installed on all catch basins within the roadway, unless otherwise noted. Solid lids for Spokane County inlets are per plan B-15.
 - 9) Silt fence is to be placed around the downslope perimeter of the site before removal of erosion control measures. Leave fence in place until final ground cover roots and construction related erosion hazard subsides.
 - 10) Pipes installed at over 20% grade are to be secured with standard pipe anchors.
 - 11) Storm sewer to be constructed using ADS pipe with watertight joints. Joint coupler to be kept clean during pipe installation, and the installation procedure shall follow manufacturer's recommendations.
 - 12) Onsite grading shall be in accordance with the approved grading plan and ESC plan. Any import or export of material shall be from a preapproved source/destination and coordinated with the Spokane County Department of Building and Planning at 477-3675. Grading on this site or any other site must comply with all development regulations including, but not limited to, grading permits, SEPA review, timber harvest permits, critical areas, floodplains, designated drainageways, etc.

RECORD DRAWING 12/15/13

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TABLE OF CONTENTS

- SHEET 1: TITLE SHEET
- SHEET 2: KYLE LANE: STA 10+00.00 TO STA 13+47.08
ASHLEIGH LANE: STA 10+00.00 TO STA 13+56.41
- SHEET 3: STORMSEWER PLAN
- SHEET 4: MISCELLANEOUS DETAILS

NOTE:

UNDERGROUND UTILITIES WERE OBTAINED BY EXISTING FIELD LOCATED FIXTURES AND MAPS SUPPLIED BY SPOKANE COUNTY THEY SHOULD BE FIELD VERIFIED.

TEMPORARY BENCH MARK (TBM)

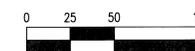
TOP OF FIRE HYDRANT
NORTH SIDE OF BRIARCLIFF LANE
SOUTHEAST CORNER OF LOT 5
NORTHVIEW ESTATES 1ST ADDITION
ELEV = 2399.74

LEGEND

- CATCH BASINS
- SS— SEWER MAIN
- W— WATER LINE
- SD— STORMSEWER LINE
- - - - EXISTING CONTOURS

ENGINEER'S CERTIFICATE

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO THE APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORM WATER MANAGEMENT. THE SPOKANE COUNTY ENGINEER HAS APPROVED ALL DESIGN DEVIATIONS. I APPROVE THESE PLANS FOR CONSTRUCTION.



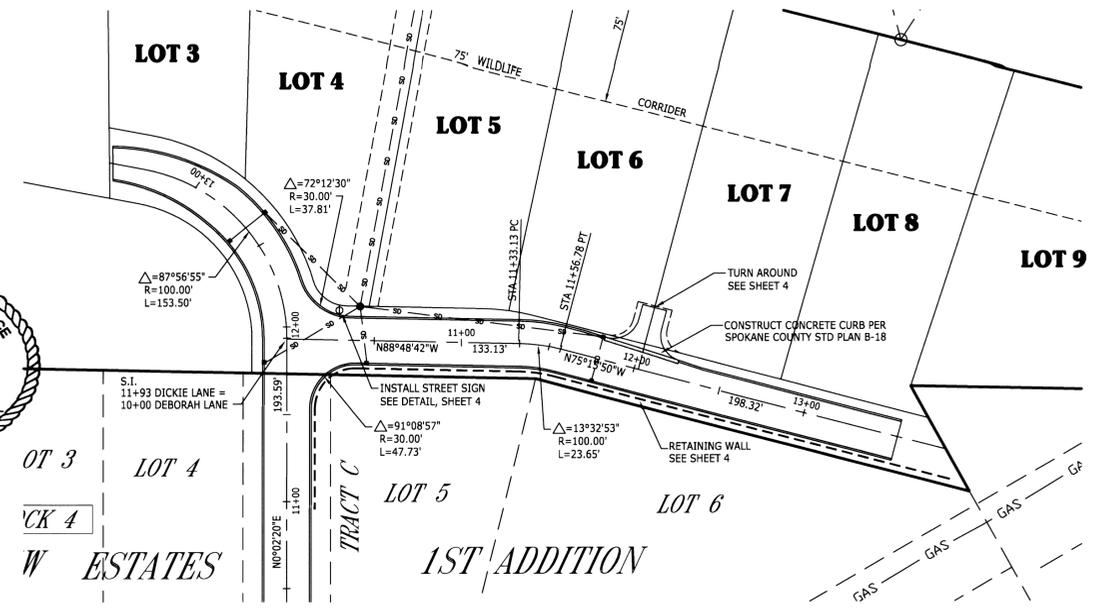
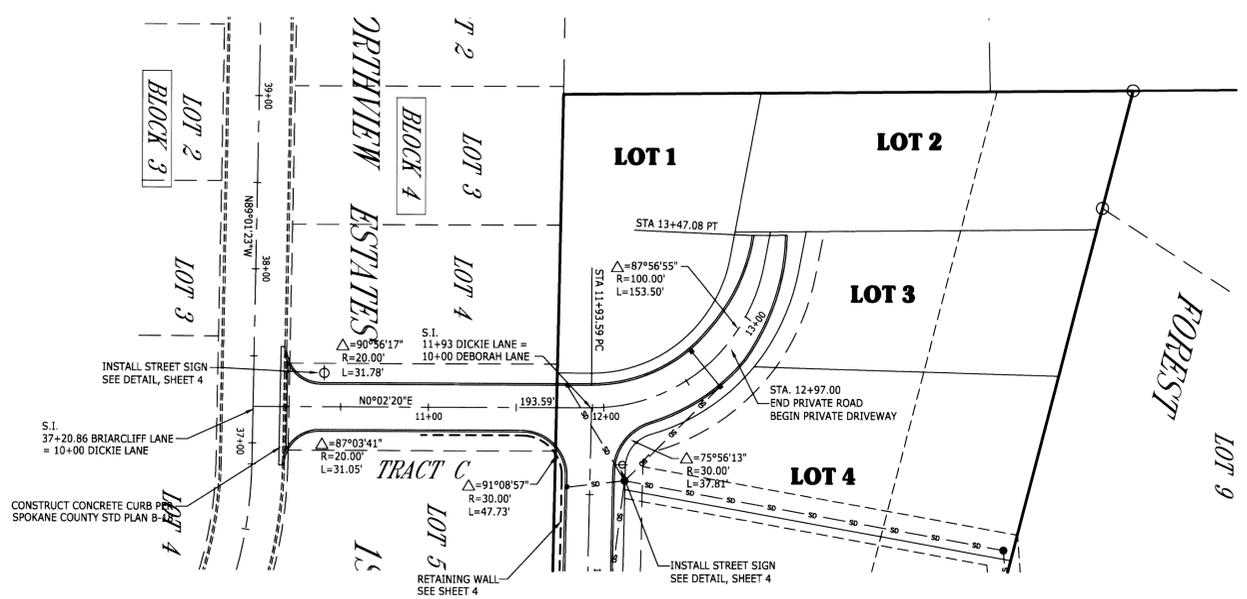
MILLER ENGINEERING

CONSULTING CIVIL ENGINEERING SERVICES
5516 N. BELT, SPOKANE, WASHINGTON 99205 (509) 953-5166

HOWES QUALITY CONSTRUCTION
14 W. GRAVES ROAD
SPOKANE, WA 99218

PROJECT NO. 0609

SHT 1 OF 4
DATE: 12/15/13
SCALE: 1"=50'
DRAWN BY: GSM
CHECKED BY: GSM
FIELD BOOK: 0609



TEMPORARY BENCH MARK (TBM)
 TOP OF FIRE HYDRANT
 NORTH SIDE OF BRIARCLIFF LANE
 SOUTHEAST CORNER OF LOT 5
 NORTHVIEW ESTATES 1ST ADDITION
 ELEV = 2399.74

DICKIE LANE

RECORD DRAWING 12/15/13

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- LEGEND**
- CATCH BASINS
 - SS SEWER MAIN
 - W WATER LINE
 - SD STORMSEWER LINE
 - - - EXISTING CONTOURS

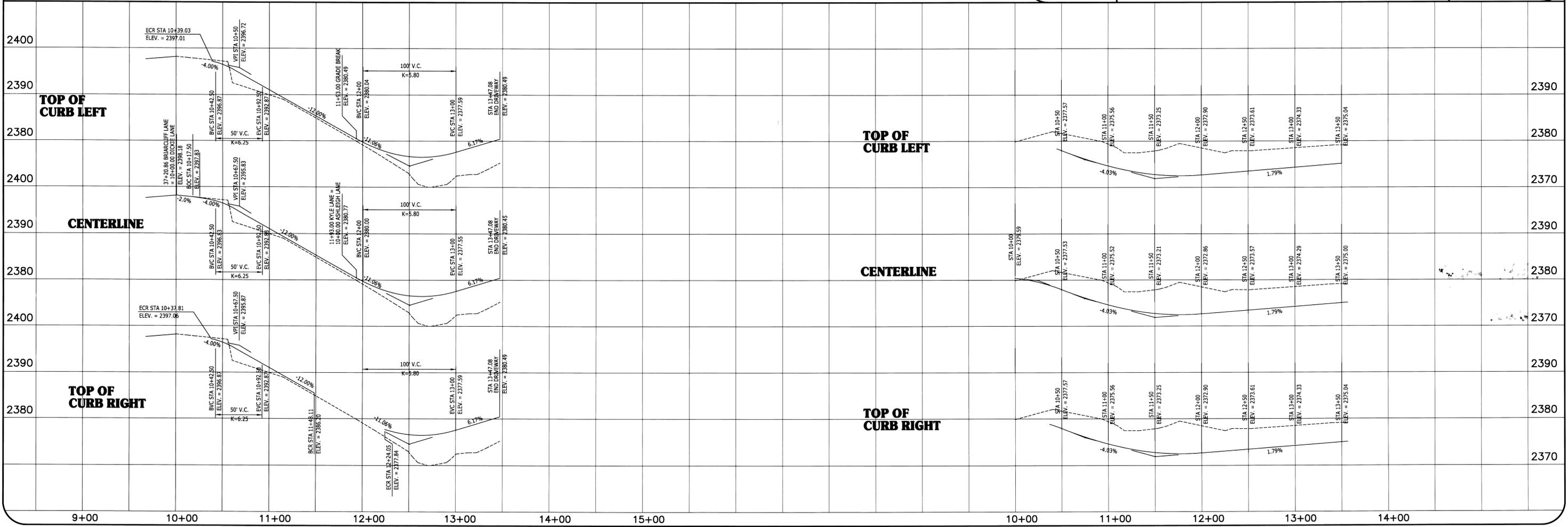
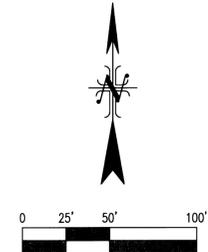
DEBORAH LANE

REVISIONS	

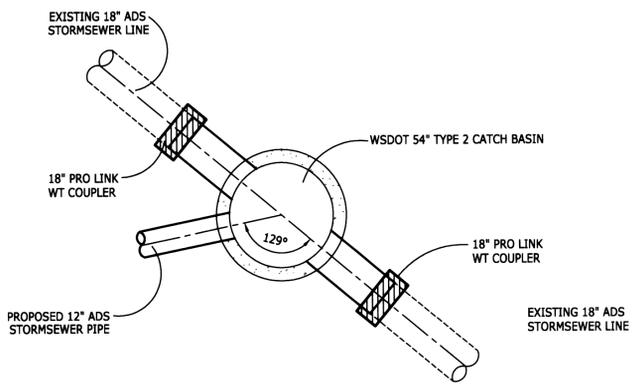
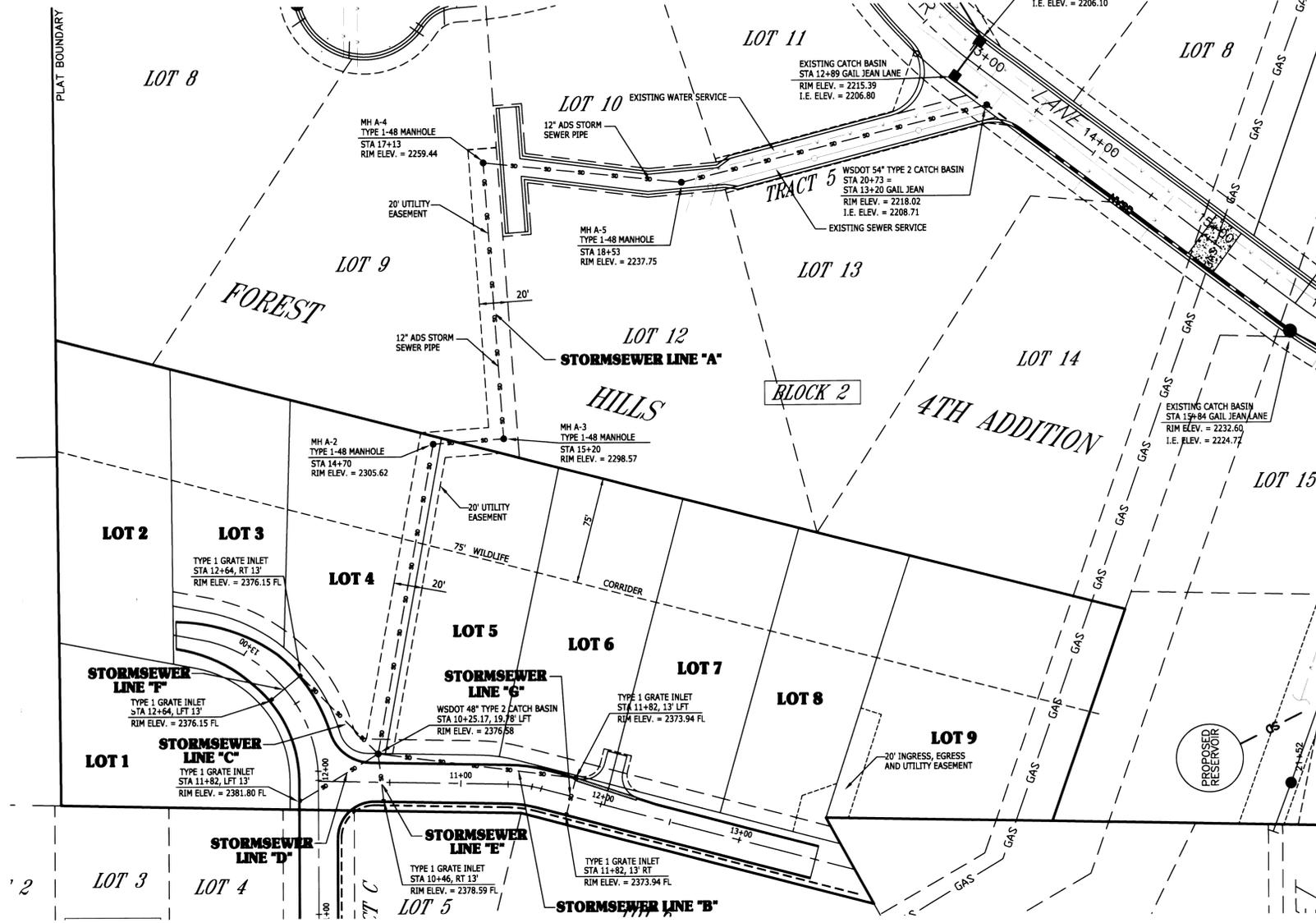
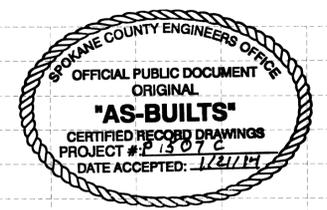
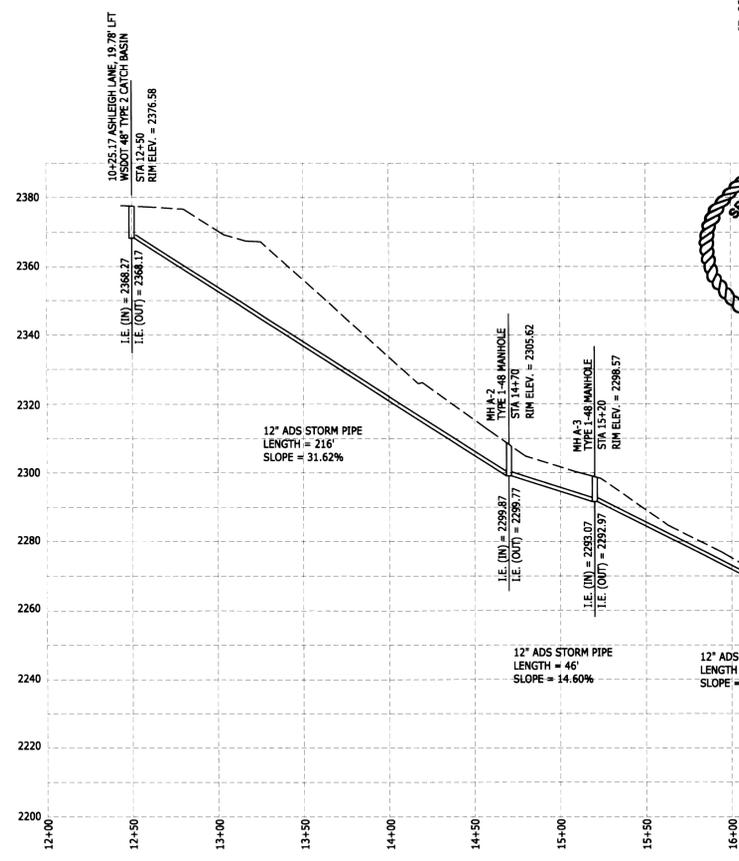
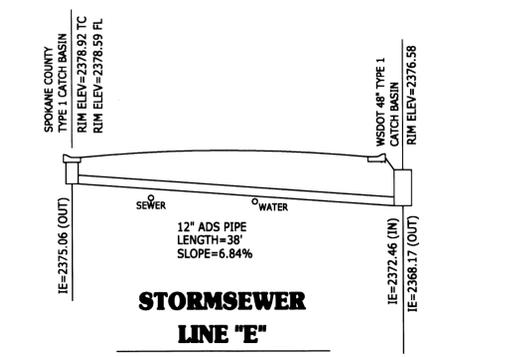
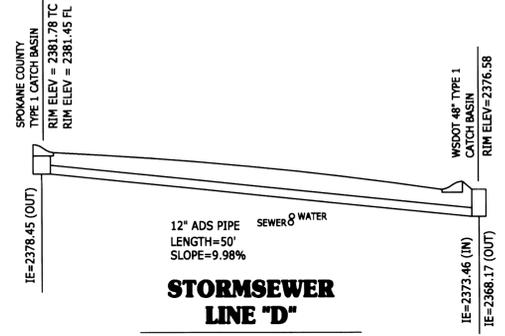
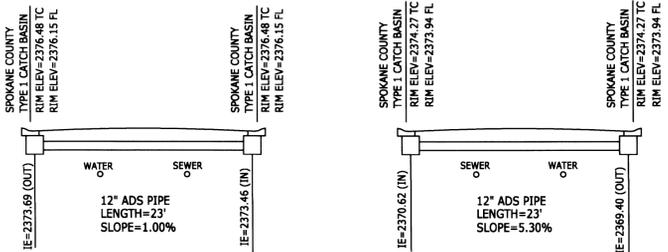
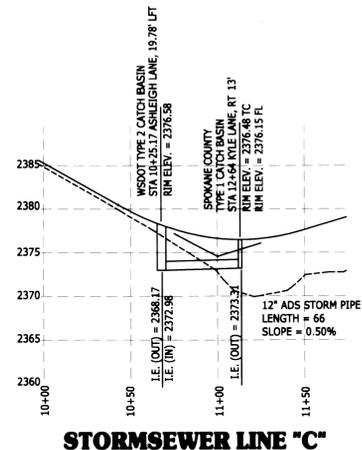
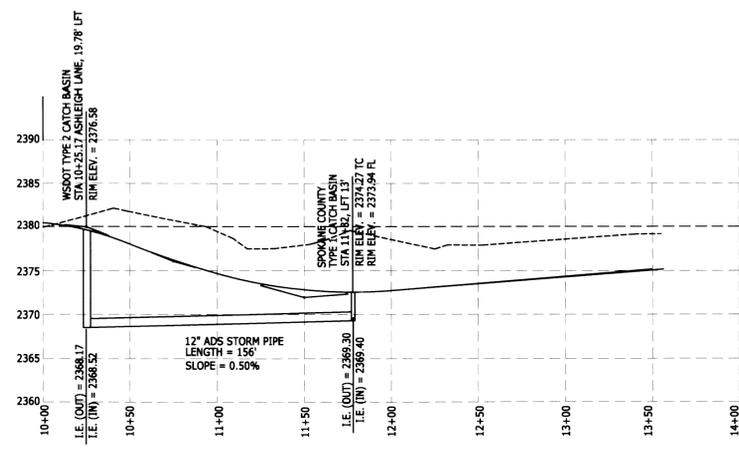
MILLER ENGINEERING
 CONSULTING CIVIL ENGINEERING SERVICES
 5516 N. BELT, SPOKANE, WASHINGTON 99205 (509) 953-5166

PROJECT NO.	0609
SHT	2 OF 4
DATE:	06/02/06
DRAWN BY:	GSM
CHECKED BY:	GSM
FIELD BOOK:	0609

FOREST HILLS 5TH ADDITION
 DICKIE LANE: STA 10+00.00 TO STA 13+47.08
 DEBORAH LANE: STA 10+00.00 TO STA 13+56.41



STORMSEWER FOREST HILLS FIFTH ADDITION



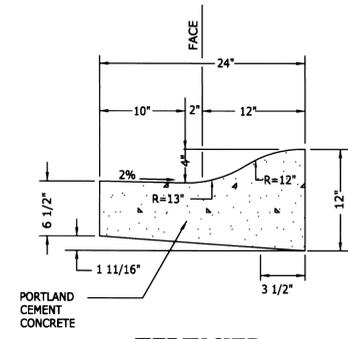
RECORD DRAWING 12/15/13

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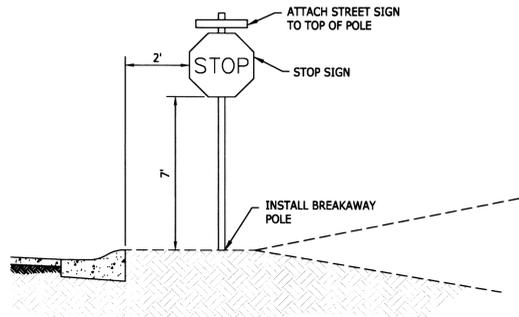
12/15/13

MILLER ENGINEERING CONSULTING CIVIL ENGINEERING SERVICES 5516 N. BELT, SPOKANE, WASHINGTON 99205 (509) 953-5166	PROJECT NO. 0609
	SHT 3 OF 4
STORMSEWER PLAN FOREST HILLS 5TH ADDITION	DATE: 12/15/13 SCALE: N.A. DRAWN BY: GSM CHECKED BY: GSM FIELD BOOK: 0609

CONSTRUCTION DETAILS FOREST HILLS FIFTH ADDITION



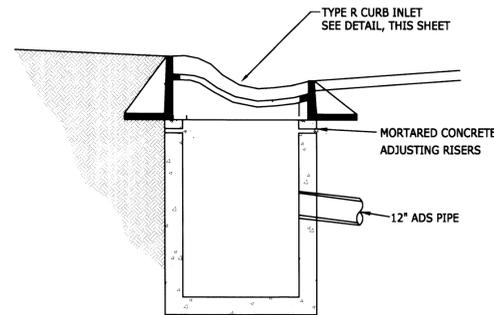
TYPE "R" CURB
N.T.S.



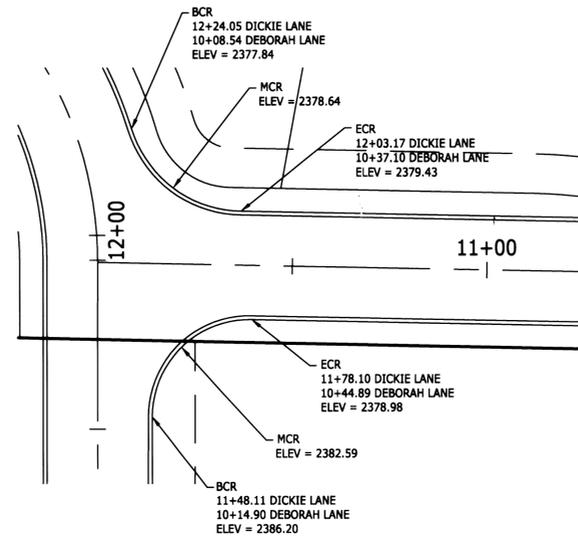
STOP AND STREET SIGN
N.T.S.

NOTE:

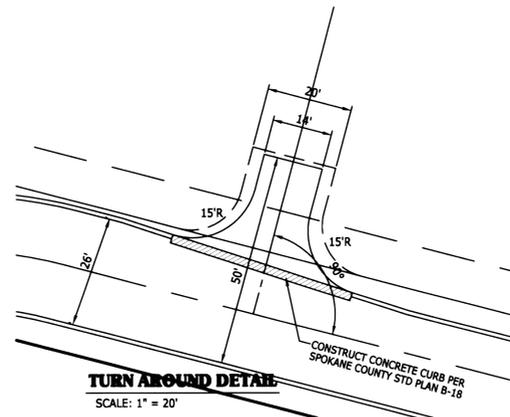
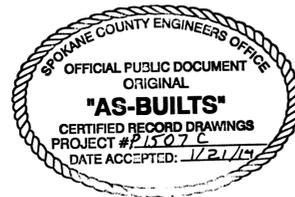
- 1.) FABRICATE ALL SIGN PANELS OF 16ga ALUMINUM
- 2.) USE NON-CORROSIVE 3/8" MACHINE BOLTS AND WASHERS
- 3.) SEE SPOKANE COUNTY STANDARD PLAN A-16 FOR STREET SIGN DETAILS.



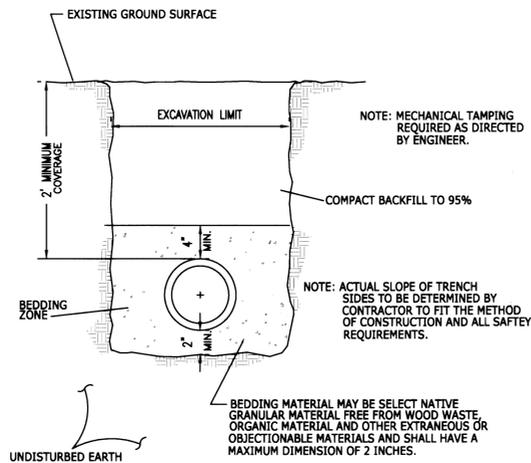
SPOKANE COUNTY TYPE 1 CATCH BASIN
N.T.S.



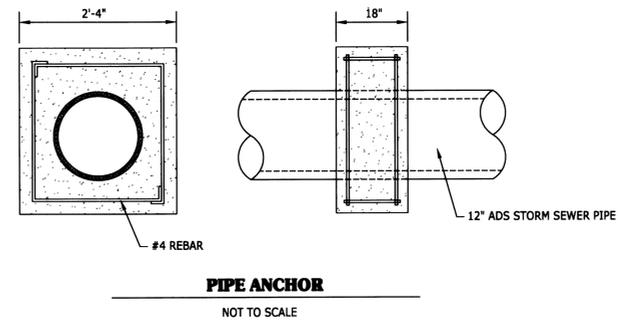
INTERSECTION DETAIL
N.T.S.



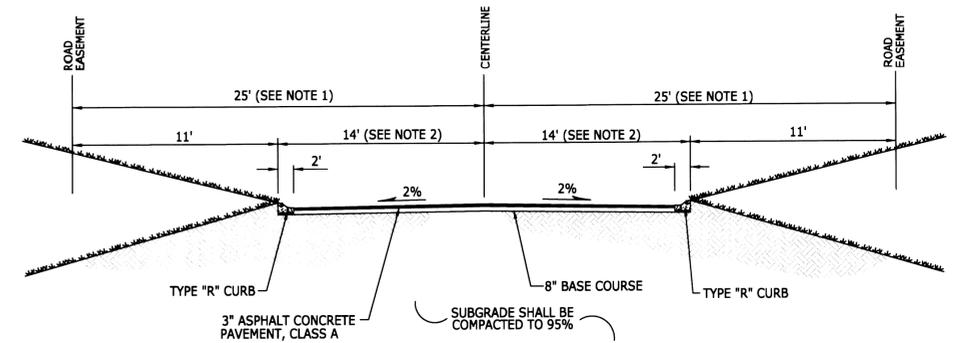
TURN AROUND DETAIL
SCALE: 1" = 20'



TYPICAL TRENCH SECTION

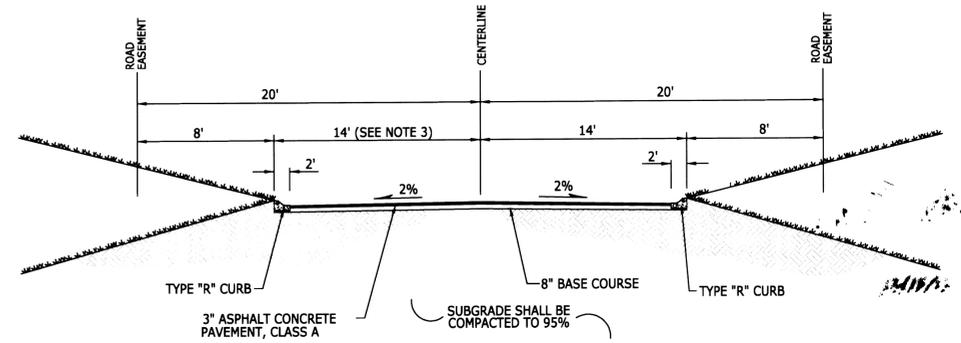


PIPE ANCHOR
NOT TO SCALE



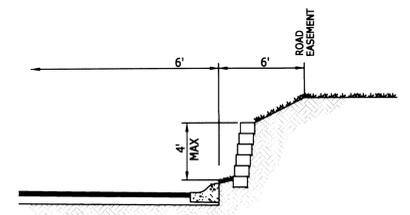
ROADWAY SECTION - DICKIE LANE
N.T.S.

- NOTE 1:
ROADWAY EASEMENT FROM STA 10+00 TO STA 11+73 IS 50' WIDE. FROM 11+73 TO 13+48, THE ROADWAY EASEMENT IS 40' WIDE.
- NOTE 2:
ROADWAY WIDTH FROM STA 10+00 TO STA 12+80 IS 24' WIDE. ROADWAY TAPERS DOWN TO 16' AND BECOMES DRIVEWAY FROM STATION 12+80.00 TO STA 13+47.08.



ROADWAY SECTION - DEBORAH LANE
N.T.S.

- NOTE 3:
ROADWAY WIDTH FROM STA 10+00 TO STA 11+80 IS 24' WIDE. ROADWAY TAPERS DOWN TO 20' AND CENTERLINE IS OFFSET FROM STATION 11+80 TO STA 13+56.



ROADWAY SECTION - DEBORAH LANE - OPTION 2
N.T.S.

CONSTRUCT RETAINING WALL ALONG SOUTH SIDE OF DEBORAH LANE WHERE REQUIRED TO KEEP SLOPE ON SITE

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Gregory S. Miller
12/15/13

CALL 48 HOURS
BEFORE YOU DIG
456-8000
ONE CALL NUMBER

MILLER ENGINEERING
CONSULTING CIVIL ENGINEERING SERVICES
5516 N. BELT, SPOKANE, WASHINGTON 99205 (509) 953-5166

PROJECT NO. 0609

SHT 4 OF 4

DATE: 12/15/13

SCALE: N.A.

DRAWN BY: GSM

CHECKED BY: GSM

FIELD BOOK: 0609