

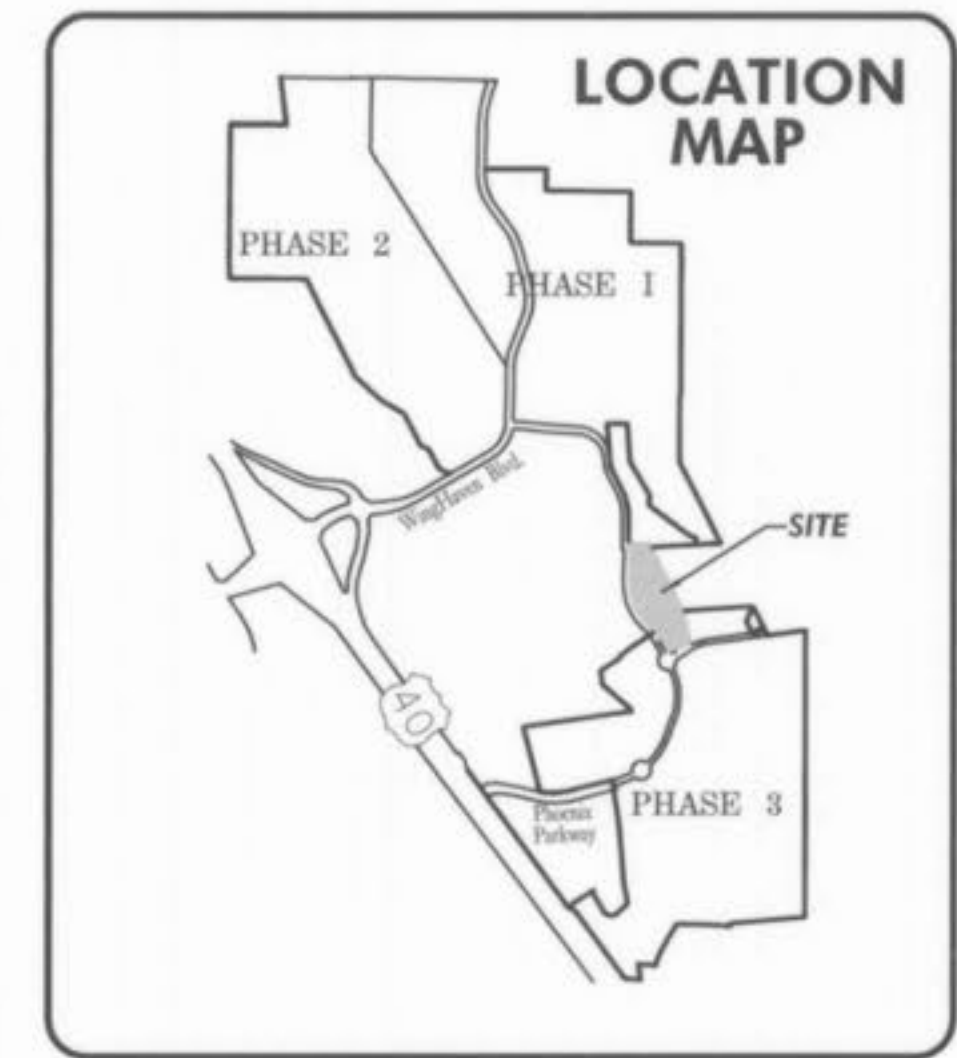
WINGHAVEN

PHASE 3

WIND HILL VILLAGE

AS-BUILT PLANS

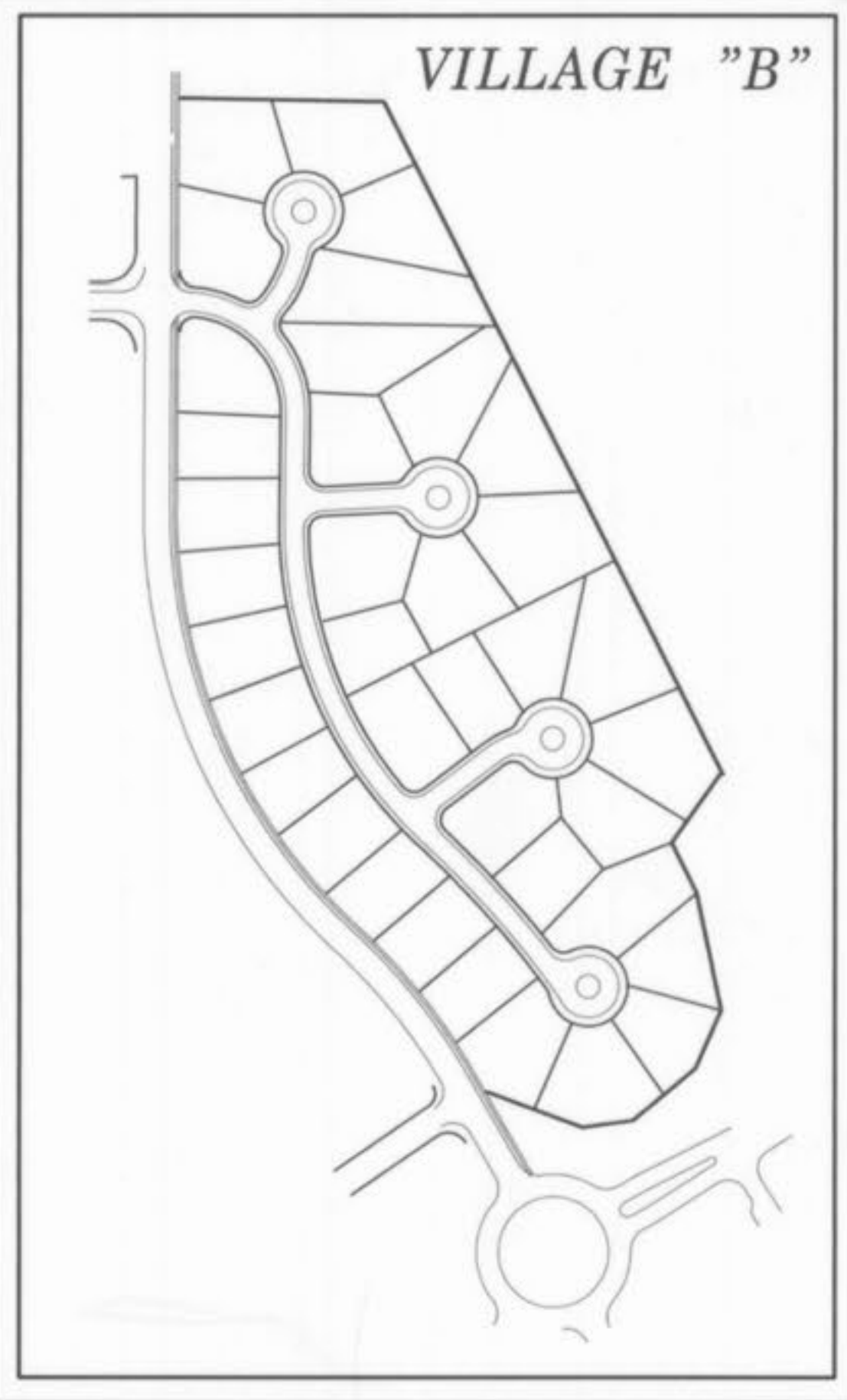
WINGHAVEN RESIDENTIAL L.L.C.



B.M. LOOP NOTES

U.S.G.S. DATUM BENCHMARK
 (Provided by the Missouri Department of Transportation)

ELEVATION 616.50 at Dardenne Prairie, T. 46N., R. 2E., near approximate corner sections 1, 2, 11 & 12, 31' N. and 20' W. of Crossroads, the intersection of State Highway "N" with Post Road and Hanley Road, 49' S. of S.E. Corner of Catholic Church, 2.0' N. of sidewalk, and in concrete post, standard tablet stamped "TT 60 C 1936 616."



The existing sewer lengths, sizes, flowlines, depths of structures and sewers and locations with respect to existing or proposed easements have been measured. The results of those measurements are shown on this set of Final Measurement Plans. Since the wye locations have been plotted from information provided by the sewer contractor or other sources, I disclaim any responsibility for that specific information.

All public sewers are located within designated existing or proposed easements except as shown in this drawing.

The results of those measurements are shown on this drawing by lining out the planned number and indicating the measured number adjacent to the planned number. All other numbers shown have not been measured or verified.

The location of the sewers were determined by locating the manholes and traversing in a straight line between them.

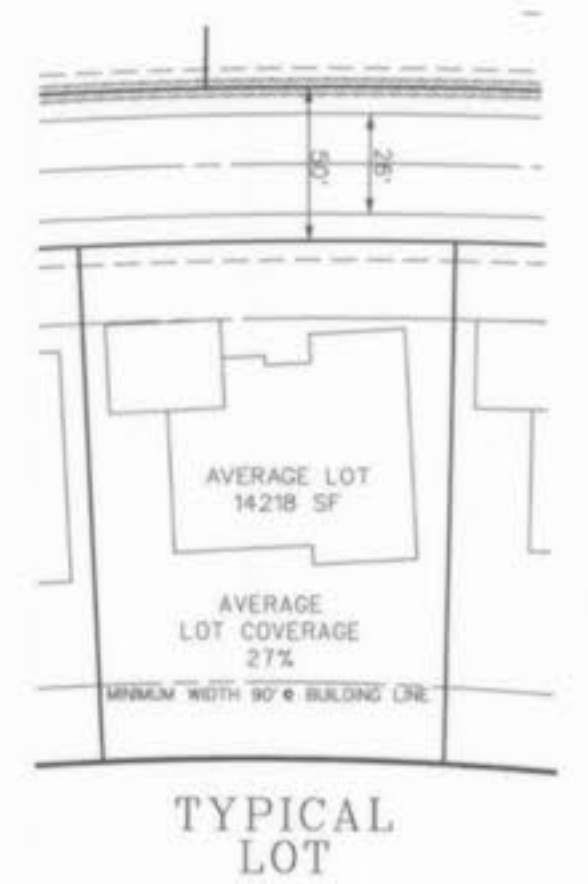
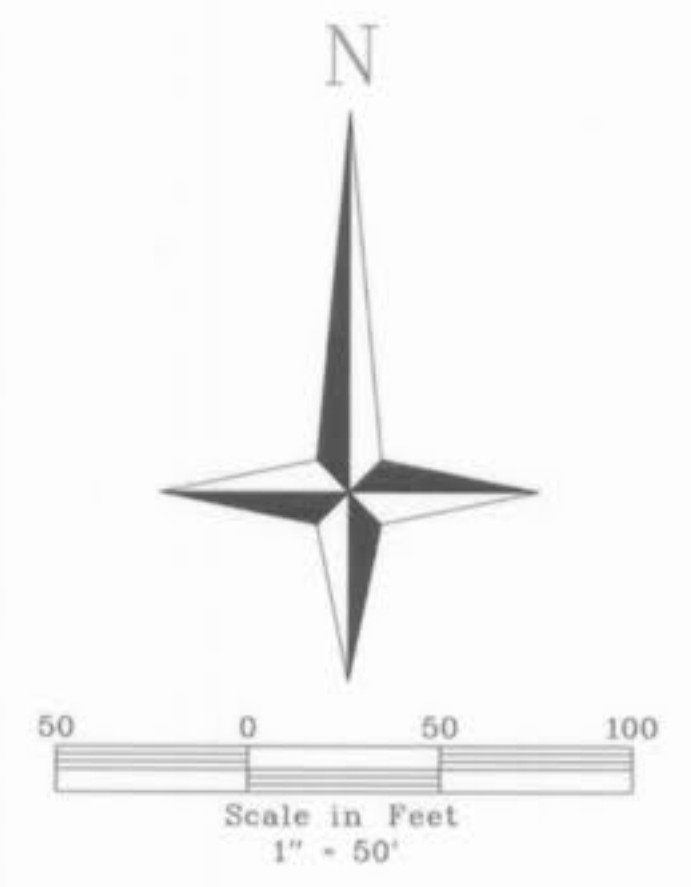
No hydraulic computations have been done on the measured lines to verify or confirm the capacity, freeboard or design requirements of the sewers.



Roger G. Allen
 Roger G. Allen
 Mo. Reg. L.S. 2185



WINGHAVEN VILLAGE A
PROPERTY NO. 02
WINGHAVEN RESIDENTIAL L.L.C.
2012/174



Storm Sewer details per MSD standards modified:
 A) All inlets to have $0\frac{1}{8}$ " trash bar in center of inlet throat.
 B) Face of top stone shall be 2' behind back of curb.
 C) A 0.2' drop is required through storm sewer structures.
 D) No concrete manhole or structure covers will be allowed.

- NOTE:
1. ALL DIMENSIONS ARE SHOWN TO THE BACK OF THE CURB UNLESS SPECIFIED OTHERWISE.
 2. ALL CURBS SHALL BE BACKFILLED TO THE TOP OF THE BACK OF THE CURB.
 3. ALL UTILITIES WILL BE UNDERGROUND.
 4. WIND HILL VILLAGE IS LOCATED ON THE F.I.R.M. PANEL 430 OF 525 DATED AUGUST 2, 1996 INDICATES UNSHADOWED ZONE 'X'.
 5. WIND HILL VILLAGE IS IN PHASE 3 OF WINGHAVEN. THE ENTIRE WINGHAVEN PHASE 3 WILL BE CONSTRUCTED AT THE SAME TIME.
 6. WIND HILL VILLAGE HAS 37 PROPOSED LOTS WITH A 20' BUILDING SETBACK LINE FROM THE R/W.
 7. DRIVEWAY LOCATIONS SHALL NOT INTERFERE WITH THE SIDEWALK ACCESSIBLE RAMPS.
 8. DEVELOPER MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH SOILS REPORTS PRIOR TO OR DURING SITE SOIL TESTING.
 9. ALL SIGN POST ADJ. BACKS AND BRACKET ARMS SHALL BE PAINTED BLACK USING CARBONILE RUSTBOND PENETRATING SEALER 50 AND CRABONILE 133 HB PAINT (OR EQUIVALENT AS APPROVED BY CITY AND M&D) UNLESS COLORS ARE DESIGNATED UNDER THE WINGHAVEN MASTER ASSOCIATION MAINTENANCE AGREEMENT.

The underground utilities shown herein were plotted from available information and do not necessarily reflect the actual existence, or nonexistence, size, type, number, or location of these or other utilities. The general contractor shall be responsible for verifying the actual location of all underground utilities in the field, shown or not shown, prior to any grading, excavation, or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

Roger G. Allen
 Roger G. Allen
 Mo. P.L.S. No. 2185



FINAL SEWER MEASUREMENTS

Wind Hill Approved 3/12/04 HAK
 WINGHAVEN AS BUILTS 3-12-04 WIND HILL

WINGHAVEN
 RESIDENTIAL L.L.C.
 *1 MCBRIDE & SON
 CORPORATE CENTER DRIVE
 ST. LOUIS, MISSOURI 63105
 PHONE (314) 537-2000



WINGHAVEN

WIND HILL VILLAGE

SITE PLAN

Design By: C.W.C.
 Drawn By: C.W.C.
 Checked By: T.J.M.

B-5500

05-10-01
 02



WINGHAVEN

WIND HILL VILLAGE "B" AS-BUILT PLANS



SITE PLAN

Design By: D.W.L.
 Drawn By: D.W.L.
 Checked By: T.J.M.

B-5500
 03



Scale in Feet
 1" = 50'

MEASURES MAY BE REQUIRED (I.E. EXTENDED FOUNDATIONS OR COMPACTED BACKFILL) DURING CONSTRUCTION TO ENSURE THAT NO FOUNDATIONS BEAR WITHIN A 1:1 (HORIZONTAL TO VERTICAL) ZONE OF INFLUENCE ABOVE SEWERS AND ASSOCIATED BACKFILL.

WINGHAVEN VILLAGE C
 PROPERTY INT. OF WINGHAVEN RESIDENTIAL L.L.C.
 202/174

★ LOT NO.	★ ELEVATION
169	527.6
170	526.0
171	525.0
174	522.5
175	522.2
176	521.5

Storm Sewer details per MSD standards modified:
 A) All inlets to have 47/8" trash bar in center of inlet throat.
 B) Face of top stone shall be 2' behind back of curb.
 C) A 0.2' drop is required through storm sewer structures.
 D) No concrete manhole or structure covers will be allowed.

- NOTE:
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 8. DEVELOPER MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO OR DURING SITE SOIL TESTING.
 9. ALL SIGN POSTS AND BACKS AND BRACKET ARMS SHALL BE PAINTED BLACK USING CARBOLINE RUSTBOND PENETRATING SEALER SC AND CARBOLINE 133 HB PAINT (OR EQUIVALENT AS APPROVED BY CITY AND MODOT) UNLESS COLORS ARE DESIGNATED UNDER THE WINGHAVEN MASTER ASSOCIATION MAINTENANCE AGREEMENT.

The underground utilities shown herein were plotted from available information and do not necessarily reflect the actual existence, or nonexistence, size, type, number, or location of these or other utilities. The general contractor shall be responsible for verifying the actual location of all underground utilities in the field, shown or not shown, prior to any grading, excavation, or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

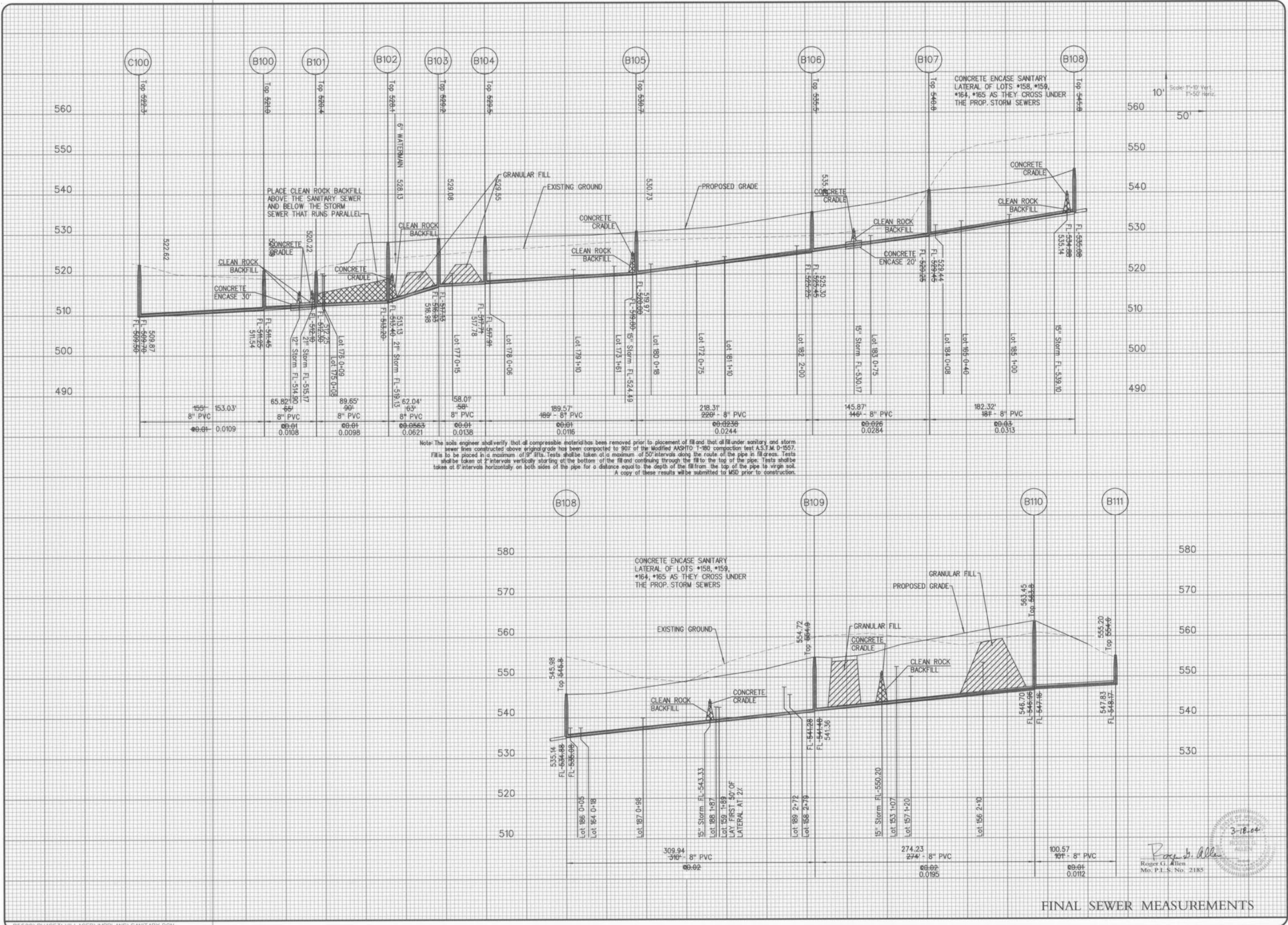
FINAL SEWER MEASUREMENTS

Wind Hill Approved 3/12/04 BSC
 WINGHAVEN AS-BUILTS 3-12-04 WIND HILL



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 Roger G. Allen
 Mo. P.L.S. No. 2185





Scale: 1"=10' Vert.
1"=50' Horiz.

3-18-04
 Roger G. Allen
 Mo. P.E. No. 2185

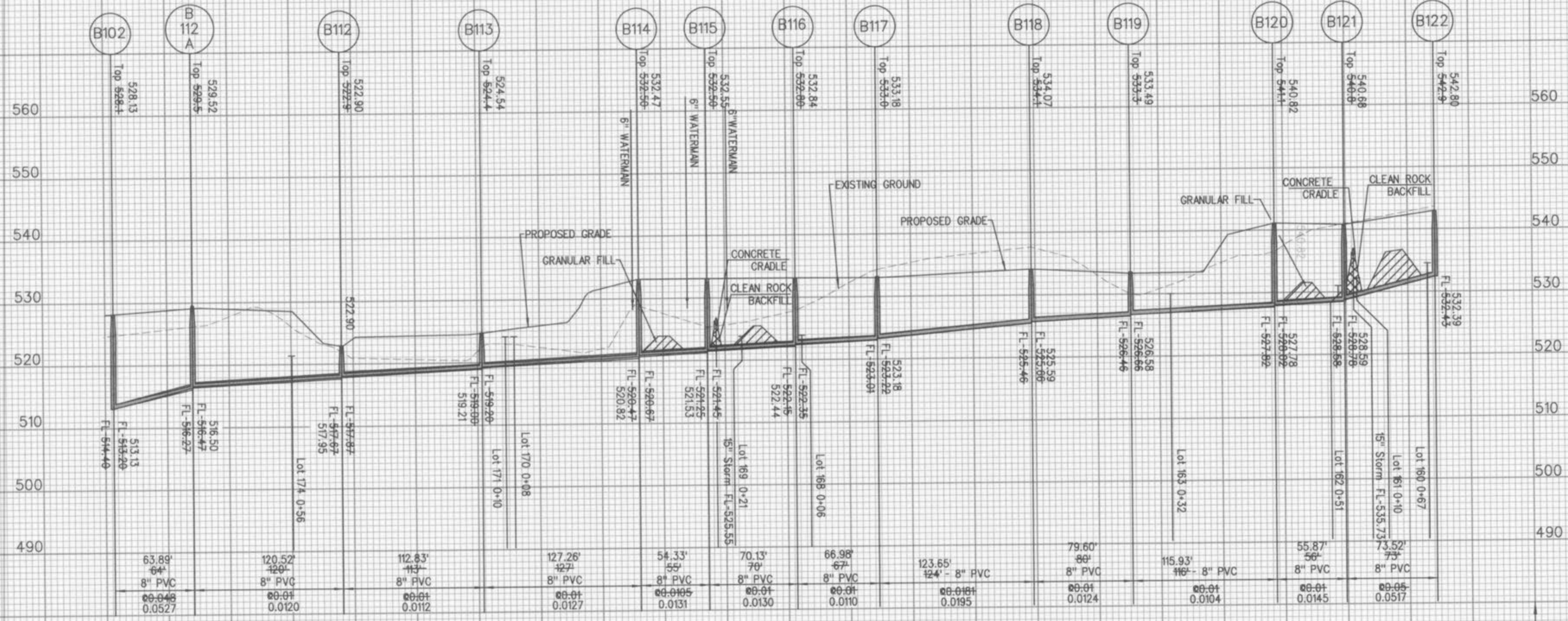
FINAL SEWER MEASUREMENTS

WINGHAVEN
 RESIDENTIAL L.L.C.
 *164, *165 AS THEY CROSS UNDER
 THE PROP. STORM SEWERS



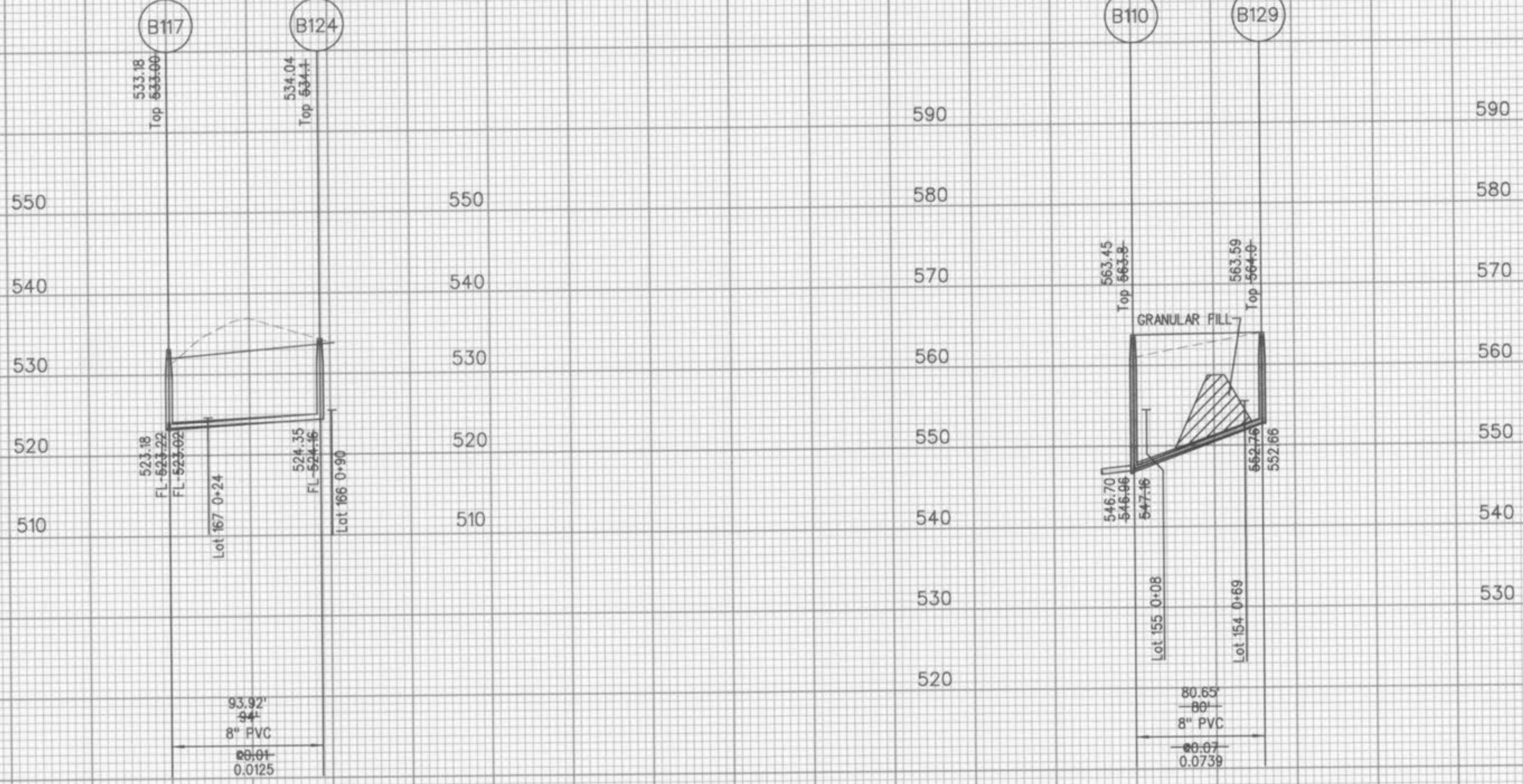
WINGHAVEN™
 WIND HILL VILLAGE™ AS-BUILT PLANS

SANITARY SEWER PROFILES
 Design By: D.W.L.
 Drawn By: D.W.L.
 Checked By: T.J.M.
 B-6500



Note: The soils engineer shall verify that all compressible material has been removed prior to placement of fill and that all fill under sanitary and storm sewer lines constructed above original grade has been compacted to 90% of the Modified AASHTO T-99 compaction test A.S.T.M. D-1557. Fill is to be placed in a maximum of 9" lifts. Tests shall be taken at a maximum of 50' intervals along the route of the pipe in fill areas. Tests shall be taken at 2' intervals vertically starting at the bottom of the fill and continuing through the fill to the top of the pipe. Tests shall be taken at 8' intervals horizontally on both sides of the pipe for a distance equal to the depth of the fill from the top of the pipe to virgin soil. A copy of these results will be submitted to MSB prior to construction.

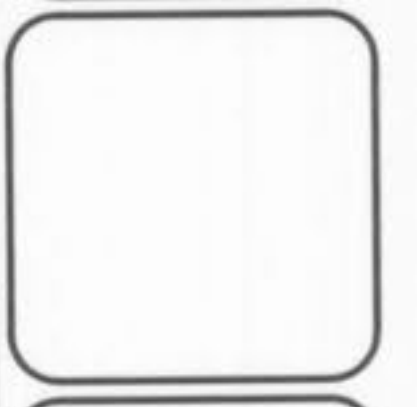
10' Scale: 1" = 10' Vert.
1" = 50' Horiz.



3-18-04
 Roger G. Allen
 Roger G. Allen
 Mo. P.L.S. No. 2185

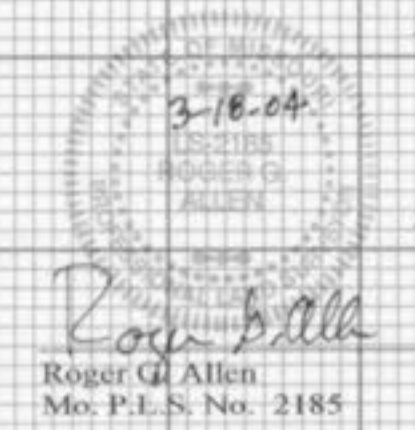
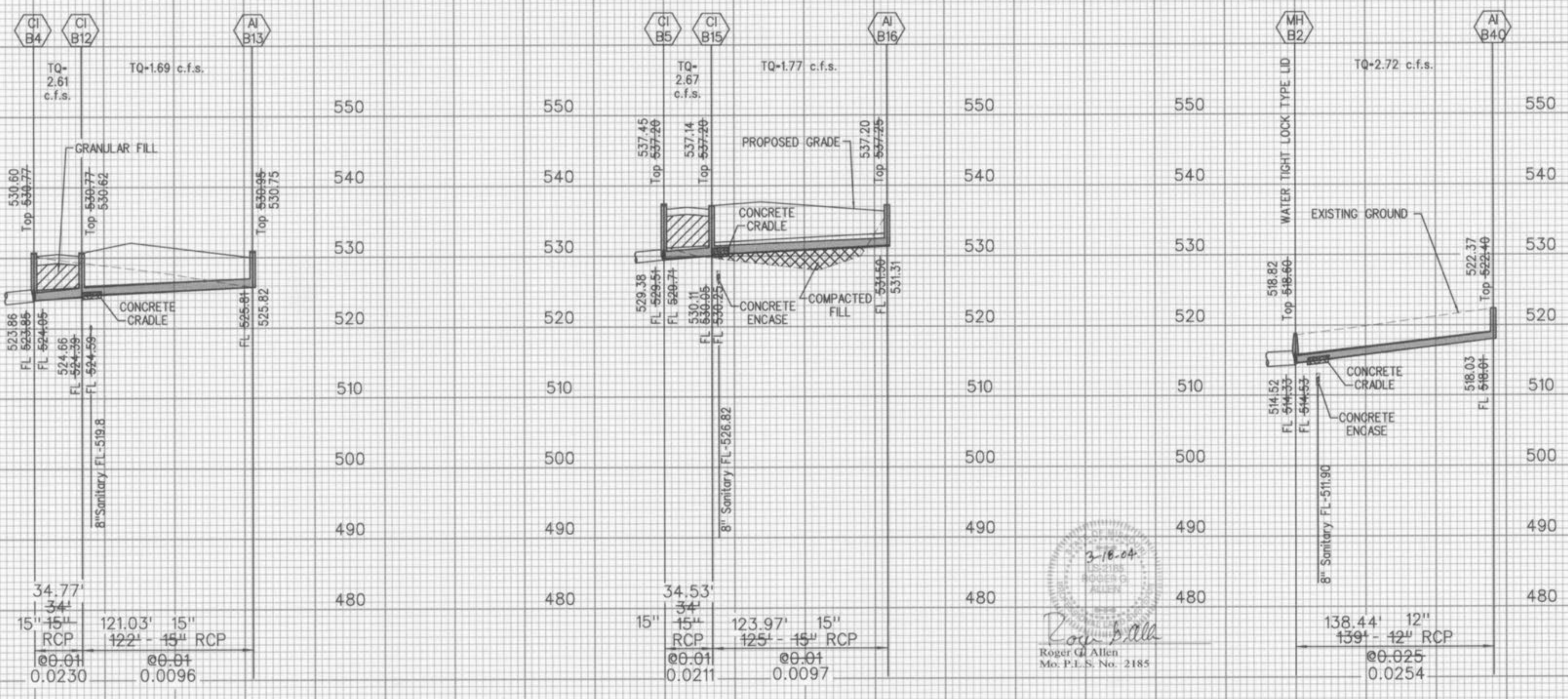
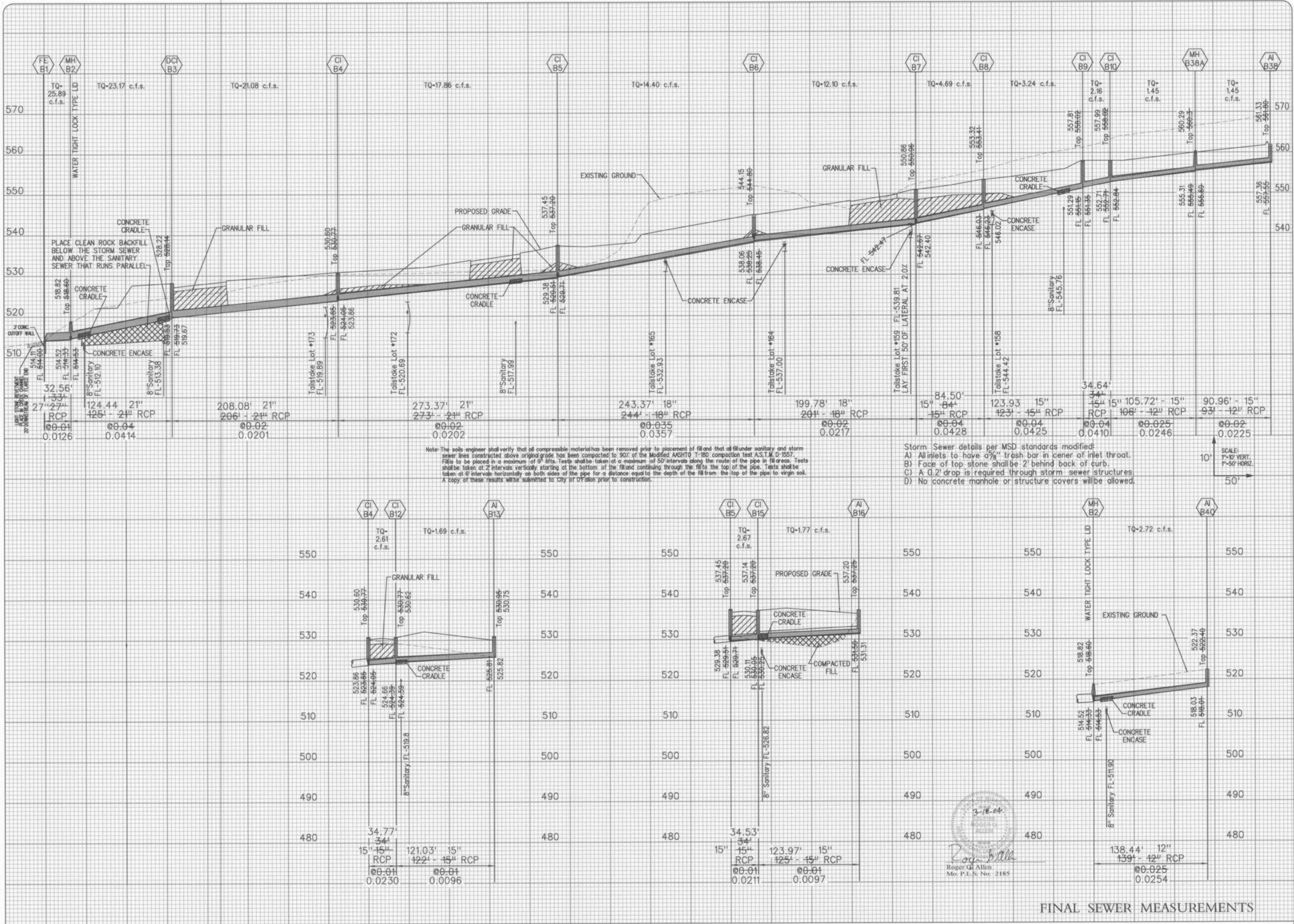
SANITARY SEWER PROFILES

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 *MCBRODE & SON
 CORPORATE CENTER DRIVE
 ST. LOUIS, MISSOURI 63005
 PHONE (314) 537-2000



WINGHAVEN™
 WIND HILL VILLAGE "B" AS-BUILT PLANS

SANITARY SEWER PROFILES
 Design By: DWL
 Drawn By: DWL
 Checked By: T.J.M.
 B-6000
 07/08/04
 9



FINAL SEWER MEASUREMENTS

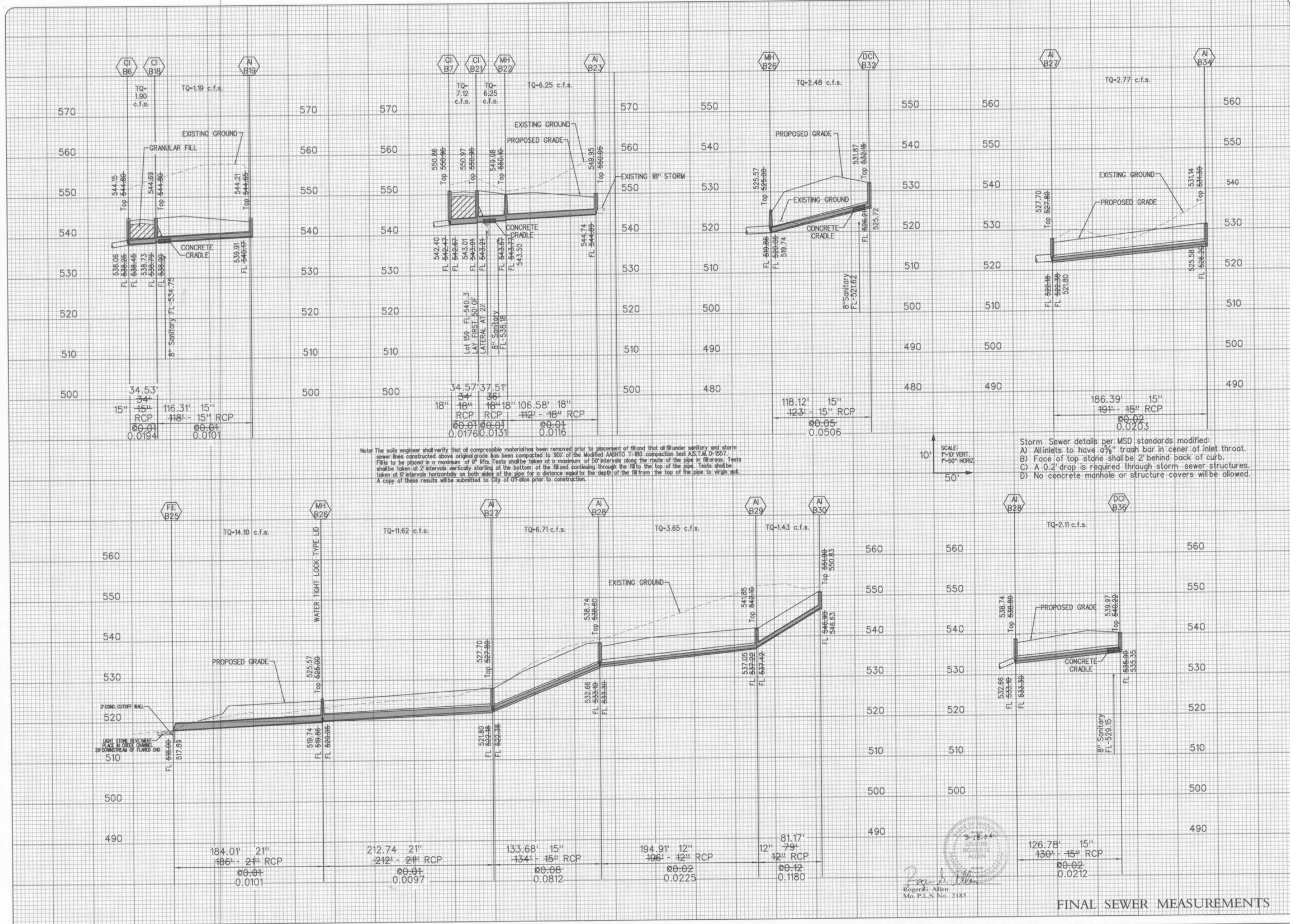
WINGHAVEN™
 WIND HILL VILLAGE "B" AS-BUILT PLANS

STORM SEWER PROFILES
 Design By: J.L.F.
 Drawn By: J.L.F.
 Checked By: T.J.M.
 B-6500

WINGHAVEN RESIDENTIAL L.L.C.
 *T.MCBROE & SON
 CORPORATE CENTER DRIVE
 ST. LOUIS, MISSOURI 63005
 PHONE (314) 537-2000

VOLZ

07-108-10
 10



Note: The soils engineer shall verify that all compressible material has been removed prior to placement of fill and that all fill under sanitary and storm sewer lines constructed above original grade has been compacted to 90% of the Modified AASHTO T-99 compaction test A.S.T.M. D-1557. Fills to be placed in a maximum of 9" lifts. Tests shall be taken at a maximum of 50' intervals along the route of the pipe in fill areas. Tests shall be taken at 2' intervals vertically starting at the bottom of the fill and continuing through the fill to the top of the pipe. Tests shall be taken at 5' intervals horizontally on both sides of the pipe for a distance equal to the depth of the fill from the top of the pipe to virgin soil. A copy of these results will be submitted to City of O'Fallon prior to construction.

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

Storm Sewer details per MSD standards modified:
 A) All inlets to have 4" trash bar in center of inlet throat.
 B) Face of top stone shall be 2' behind back of curb.
 C) A 0.2' drop is required through storm sewer structures.
 D) No concrete manhole or structure covers will be allowed.

Professional Engineer Seal
 Roger E. Allen
 Mo. P.E. No. 2185

FINAL SEWER MEASUREMENTS

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WINGHAVEN™

WIND HILL VILLAGE "B" AS-BUILT PLANS

STORM SEWER PROFILES

Design By: J.L.F.
 Drawn By: J.L.F.
 Checked By: T.J.M.
 B-6000
 07-108-111
 II