HIGHLAND MEADOWS - 6TH PLAT

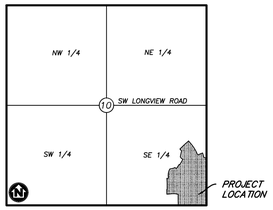
SANITARY SEWER EXTENSION PLANS

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SEC. 10, TWP. 47N, RNG. 32W

DATE: 2/11/2021

LOTS: 160-210 (51 TOTAL)



VICINITY MAP

SECTION 10, TOWNSHIP 47, RANGE 32
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI
NOT TO SCALE

WATERSHED: LITTLE BLUE RIVER

DISTURBED AREA: 14.9 AC

SHEET INDEX:

CVR – COVER SHEET
C101 – GENERAL LAYOUT
C102 – SANITARY SEWER 6A AND 6B PLAN & PROFILE
C103 – SANTITARY SEWER 6C PLAN & PROFILE
C104 – SANTITARY SEWER 6D AND 6E PLAN & PROFILE
C401 – SANITARY SEWER DETAILS

PROJECT SPECIFICATIONS:

THE SPECIFICATIONS FOR THIS PROJECT SHALL BE THE FOLLOWING:

1. MOST CURRENT VERSION OF THE DESIGN AND CONSTRUCTION MANUAL OF THE CITY OF LEE'S SUMMIT AS ADOPTED BY ORDINANCE 5813.

THE STANDARD SPECIFICATIONS THROUGH AND INCLUDING THE LATEST AMENDMENTS SHALL BE PART OF THESE PROJECT DRAWINGS AND SPECIFICATIONS AND ARE INCORPORATED HEREIN BY REFERENCE. THE MORE STRINGENT OF THESE STANDARD SPECIFICATIONS AND THOSE PREPARED BY THE ENGINEER PREPARING THESE PLANS SHALL GOVERN.

OIL AND GAS WELL NOTES:

NO ABANDONED OIL OR GAS WELLS HAVE BEEN IDENTIFIED WITHIN THE PROPERTY LIMITS OF THE PROPOSED CONSTRUCTION ACTIVITIES, PER THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR) PERMITTED OIL AND GAS DATABASE, DATED JUNE 2, 2020.

LEGAL DESCRIPTION:

THE EAST HALF OF THE SOUTHEAST QUARTER OF SECTION 10, TOWNSHIP 47 NORTH, RANGE 32 WEST, EXCEPT THOSE PARTS PLATTED AS HIGHLAND MEADOWS FIRST PLAT, HIGHLAND MEADOWS SECOND PLAT , HIGHLANDS MEADOWS THIRD PLAT, HIGHLAND MEADOWS 4TH PLAT, SUBDIVISIONS IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.

811 Know what's below. Call before you dig.

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG.

UTILITY CONTACTS:

SANITARY & WATER:
CITY OF LEE'S SUMMIT
JEFF THORN
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
PHONE (816) 969–1900

STORMWATER:
CITY OF LEE'S SUMMIT
PUBLIC WORKS
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
PHONE (816) 969–1800

STREETS:
CITY OF LEE'S SUMMIT
MICHAEL PARK
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
PHONE (816) 969–1900

AT&T:
RONALD GIPFERT
500 E 8TH STREET
KANSAS CITY, MO 64106
PHONE (816) 275–1550

EVERGY:
DOUG DAVIN
1300 SE HAMBLEN ROAD
LEE'S SUMMIT, MO 64081
PHONE (816) 347–4320

MISSOURI GAS ENERGY:
RICHARD FROCK
3025 SW CLOVER DRIVE
LEE'S SUMMIT, MO 64082
PHONE (816) 472–3489

FEMA FLOOD INFORMATION:

THE SITE IS LOCATED IN ZONE X, AREA OF MINIMAL FLOOD HAZARD, PER FEMA FIRM MAP 29095C0418G: EFFECTIVE DATE OF JANUARY 20, 2017. NO LETTERS OF MAP AMENDMENT OR REVISIONS ARE BEING PROPOSED.

BENCHMARK:

BM #1 N=999843.9665 E=2898946.9717 ELEV=935.04
DESCRIPTION = "JA–148" REFERENCE SYSTEM MONUMENT

SURVEY CONTROL:

COORDINATES ARE BASED ON THE MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, USING JACKSON COUNTY, MISSOURI, GEOGRAPHIC REFERENCE SYSTEM MONUMENT JA–148 (2003 ADJUSTMENT) AND ARE MODIFIED FROM GRIS COORDINATES TO GROUND COORDINATES BY UTILIZING A GRID SCALE FACTOR OF 0.9999020 AT REFERENCE MONUMENT JA–148.

PROJECT ELEVATIONS ARE BASED ON JACKSON COUNTY, MISSOURI, GEOGRAPHIC REFERENCE SYSTEM MONUMENT JA–148 (2003 ADJUSTMENT).

"JA–148" – STANDARD KC METRO ALUMINUM GRS DISK SET IN CONCRETE FLUSH WITH THE GROUND AND STAMPED "JA–148, 2002" LOCATED ON THE NORTH SIDE OF 3RD STREET, 12.5 FEET NORTH OF A SIDEWALK AND 102.5 FEET WEST OF THE PARKING LOT EXIT OF CEDAR CREEK ELEMENTARY SCHOOL.

GENERAL NOTES:

1. CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE EXISTING CONDITIONS OF THE SITE AND HAVE ALL UTILITIES MARKED PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR SHALL POTHOLE ALL CONNECTION POINTS TO EXISTING UTILITIES AND POTENTIAL UTILITY CONFLICT LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT OR DISCREPANCY EXISTS.
3. CONTRACTOR SHALL PROTECT EXISTING STRUCTURES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED/ REPLACED TO PRE–CONSTRUCTION CONDITION AT CONTRACTOR'S EXPENSE.
4. CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTORS 48 HOURS PRIOR TO ANY LAND DISTURBANCE WORK AT (816) 969–1200.

DEVELOPER:

BRAD KEMPF
SUMMIT HOMES KC
120 SE 30TH STREET
LEE'S SUMMIT, MO 64082
BRADLEY@SUMMITHOMESKC.COM
(816) 927–9711

CIVIL ENGINEER:

ZACH MYERS
ANDERSON ENGINEERING, INC.
941 W 141ST TERR
KANSAS CITY, MO 64145
ZMYERS@ANDERSONENGINEERINGINC.COM
(816) 380–4821

AS-BUILT

The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information (provided by others / obtained by my firm). "10-inch 100.10", "1.18% slope", or "8-inch PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.

Date: 03/24/2022 Certified by: GRC
Title: Project Engineer Firm: Anderson Engineering Inc.

PREPARED & SUBMITTED BY:

ANDERSON ENGINEERING INC.
KANSAS CITY, MISSOURI

ZACH MYERS, P.E. DATE
MISSOURI P.E. NO. 2012009232

Kent Monter
Digitally signed by Kent Monter
Reason: I am approving this document
Date: 2021.04.16 11:46:18-05'00'

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/16/2021

ANDERSON ENGINEERING
EMPLOYEE OWNED
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941 W. 141ST TER • KANSAS CITY, MISSOURI 64145 • PHONE (816) 777-0400
A LICENSED MISSOURI ENGINEERING & SURVEYING CORPORATION - LC 62

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LICENSE NO.	PE-2012009232
DATE:	1/7/2021
ISSUED FOR:	FOR REVIEW
JOB NUMBER:	20KC10058
MO COA NO.	000062

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	REVISED PER CITY COMMENT	GC	2/11/21
2.	AS-BUILT DRAWINGS	GC	3/24/22

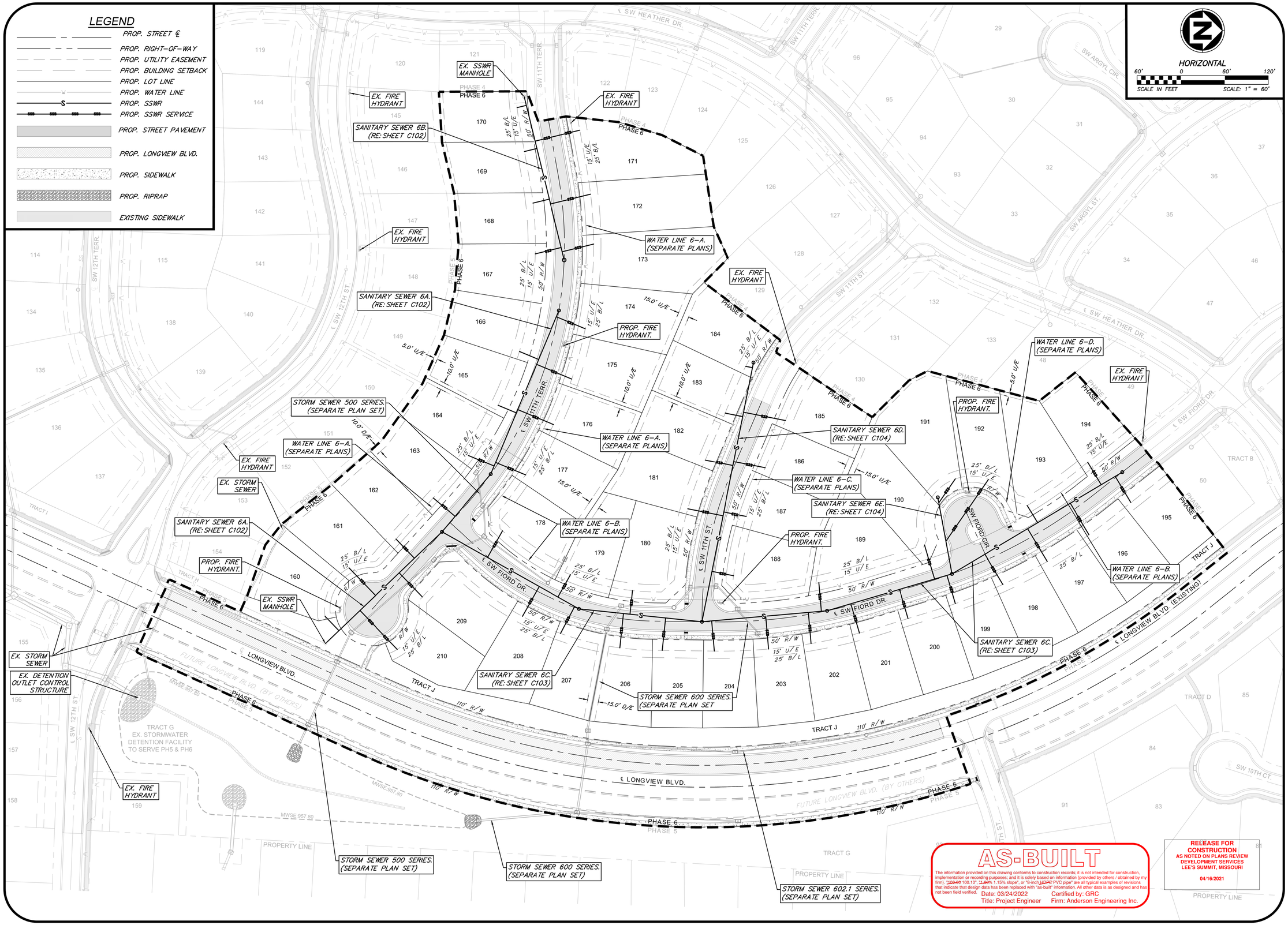
SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

COVER SHEET

S10, T47N, R32W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI ZACH A. MYERS NUMBER PE-2012009232 2/11/21 PROFESSIONAL ENGINEER

SHEET NUMBER
CVR
1 OF 6



Feb 11, 2021 – 2:53pm Plotted By: gcote G:\Shared drives\KC10 – Land Development\Projects\2020\20KC10058 Highland Meadows – 6th Plat\01 CIVIL\03-DWG\Sheet\SANITARY SEWER\20KC10058 – SH7 – GENERAL LAYOUT.dwg Layout: GENERAL LAYOUT

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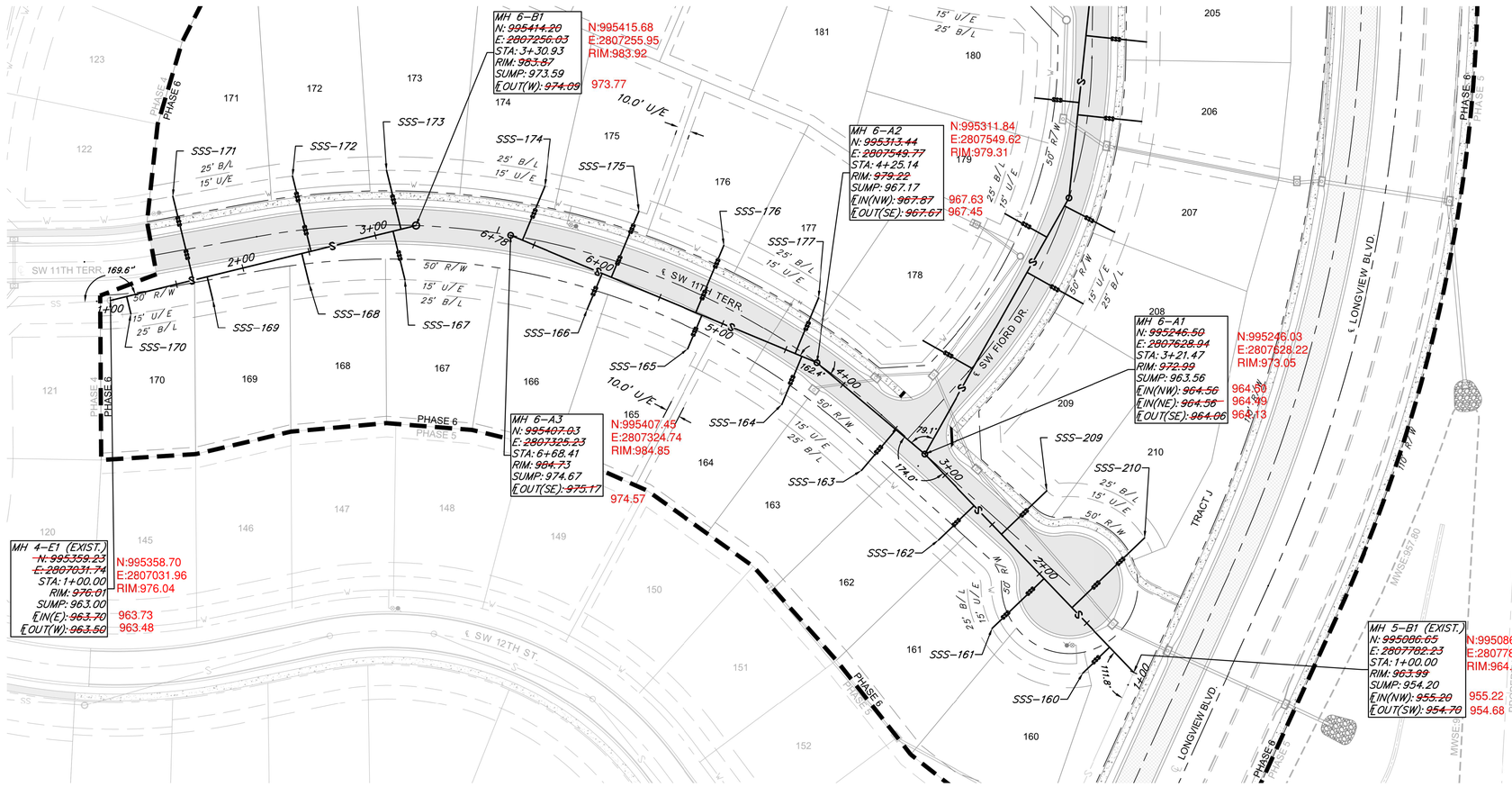
SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

GENERAL LAYOUT

S10, T47N, R32W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI
ZACH A. MYERS
NUMBER PE-2012009232
2/11/21
PROFESSIONAL ENGINEER

SHEET NUMBER
C101
2 OF 6



MANHOLE STRUCTURE NOTE:

1. PROPOSED MANHOLES SHALL CONFORM TO THE CITY OF LEE'S SUMMIT STANDARD DETAIL.

GENERAL NOTES:

1. ALL WORK IN PUBLIC EASEMENTS AND RIGHT-OF-WAY AND ALL EROSION CONTROL WORK MUST COMPLY WITH THE LATEST EDITION OF THE TECHNICAL PROVISIONS & STANDARD DRAWINGS FOR ROADS AND SEWERS, OF LEE'S SUMMIT, MISSOURI.
2. WATER MAINS AND SANITARY SEWER MAINS/STRUCTURES SHALL HAVE AT LEAST 10' OF HORIZONTAL SEPARATION FROM EDGE OF WATER PIPE TO EDGE OF SEWER PIPE OR SEWER STRUCTURE.
3. WATER MAINS AND SANITARY SEWERS SHALL HAVE AT LEAST 18" OF VERTICAL SEPARATION FROM EDGE OF PIPE TO EDGE OF PIPE. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FORM THE WATER MAIN JOINTS.
4. ALL SANITARY SEWER LATERALS SHALL HAVE A TRENCH CHECK, CONSISTING OF FLOWABLE BACKFILL INSTALLED DURING CONSTRUCTION. TRENCH CHECK SHALL EXTEND TO BOTTOM OF TRENCH, TO WIDTH OF TRENCH TO 12 INCHES ABOVE PIPE, FOR A MINIMUM LENGTH OF 12 INCHES. TRENCH CHECK SHALL BE LOCATED AT LEAST 5 FEET FROM SANITARY SEWER MAIN.
5. ALL SANITARY SEWER LATERALS SHALL BE 4" PVC AND MAINTAIN A MINIMUM 2.0% SLOPE. REFER TO SANITARY SEWER DETAILS SHEET FOR BUILDING CONNECTION AND RISER DETAILS.

0 50 100
10
0
HORIZ.: 1"=50'
VERT.: 1"=10'

AS-BUILT

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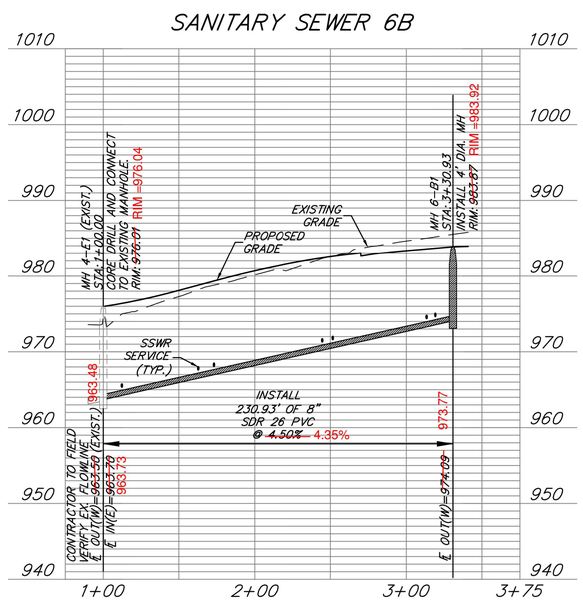
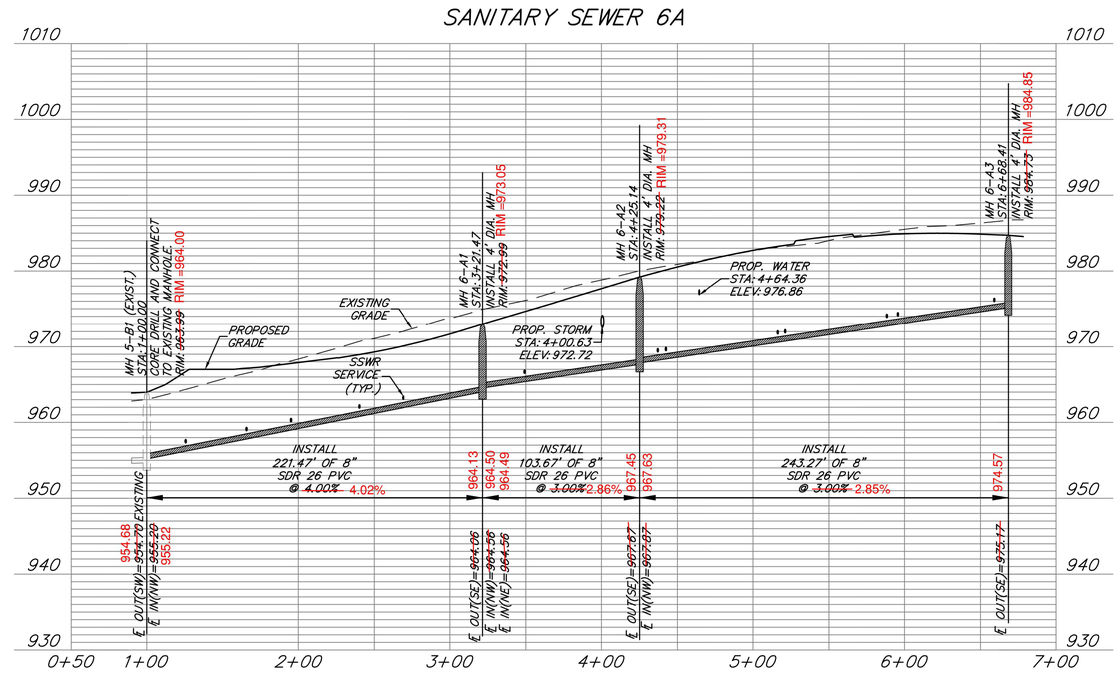
Title: Project Engineer Firm: Anderson Engineering Inc.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

04/16/2021

Sewer laterals were constructed per plan as indicated by Redford Construction





SANITARY SEWER SERVICE				
PIPE NAME	STATION	LENGTH	SLOPE	MSFE
SSS-160	1+25.59	27'	2.00%	957.91+(3.5')
SSS-161	1+95.17	53'	2.00%	961.19+(3.5')
SSS-162	2+69.12	36'	2.00%	963.83+(3.5')
SSS-163	3+49.16	39'	2.00%	967.31+(3.5')
SSS-164	4+37.10	38'	2.00%	970.13+(3.5')
SSS-165	5+16.29	27'	2.00%	972.28+(3.5')
SSS-166	5+95.63	29'	2.00%	974.69+(3.5')
SSS-167	3+13.32	37'	2.00%	975.17+(3.5')
SSS-174	6+59.09	43'	2.00%	976.88+(3.5')
SSS-175	5+88.37	52'	2.00%	974.95+(3.5')
SSS-176	5+21.17	53'	2.00%	972.95+(3.5')
SSS-177	4+42.43	45'	2.00%	970.42+(3.5')
SSS-168	2+44.63	23'	2.00%	971.80+(3.5')
SSS-169	1+73.10	18'	2.00%	968.48+(3.5')
SSS-170	1+12.21	13'	2.00%	965.65+(3.5')
SSS-171	1+62.75	63'	2.00%	968.92+(3.5')
SSS-172	2+51.55	57'	2.00%	972.79+(3.5')
SSS-173	3+19.31	44'	2.00%	975.59+(3.5')
SSS-209	2+40.19	46'	2.00%	962.86+(3.5')
SSS-210	1+65.62	74'	2.00%	960.44+(3.5')

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SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

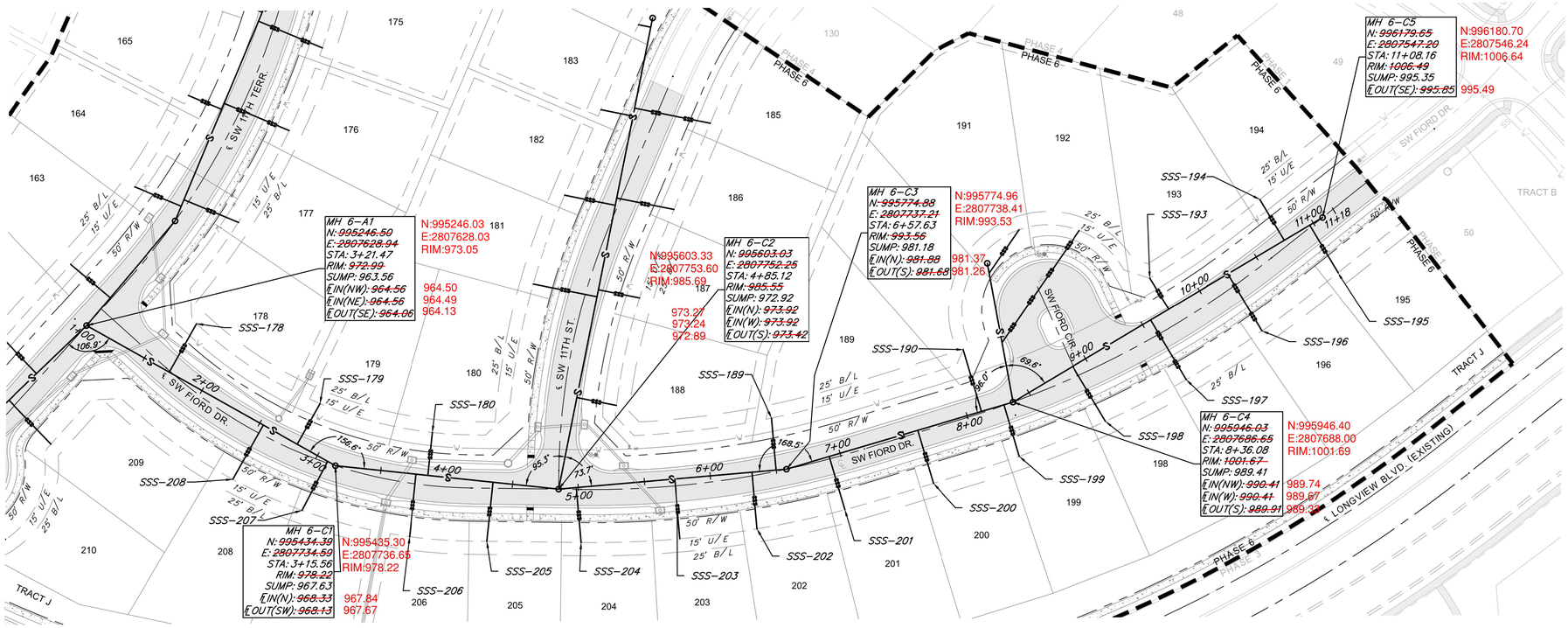
SANITARY SEWER 6A AND 6B PLAN & PROFILE

S10, T47N, R32W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI
ZACH A. MYERS
NUMBER PE-2012009232
PROFESSIONAL ENGINEER
2/11/21

SHEET NUMBER
C102
3 OF 6

Feb 11, 2021 – 2:56pm Plotted By: gcote G:\Shared drives\KC10 – Land Development\Projects\2020\20KC10058 Highland Meadows – 6th Plat\01 CIVIL\03-DWG\Sheet\SANITARY SEWER\20KC10058 – SH7 – SANITARY P&P.dwg Layout: SANITARY SEWER 6A AND 6B PLAN & PROFILE



MANHOLE STRUCTURE NOTE:

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4. ALL SANITARY SEWER LATERALS SHALL HAVE A TRENCH CHECK, CONSISTING OF FLOWABLE BACKFILL INSTALLED DURING CONSTRUCTION. TRENCH CHECK SHALL EXTEND TO BOTTOM OF TRENCH, TO WIDTH OF TRENCH TO 12 INCHES ABOVE PIPE, FOR A MINIMUM LENGTH OF 12 INCHES. TRENCH CHECK SHALL BE LOCATED AT LEAST 5 FEET FROM SANITARY SEWER MAIN.
5. ALL SANITARY SEWER LATERALS SHALL BE 4" PVC AND MAINTAIN A MINIMUM 2.0% SLOPE. REFER TO SANITARY SEWER DETAILS SHEET FOR BUILDING CONNECTION AND RISER DETAILS.

0 50 100
10 0

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

AS-BUILT

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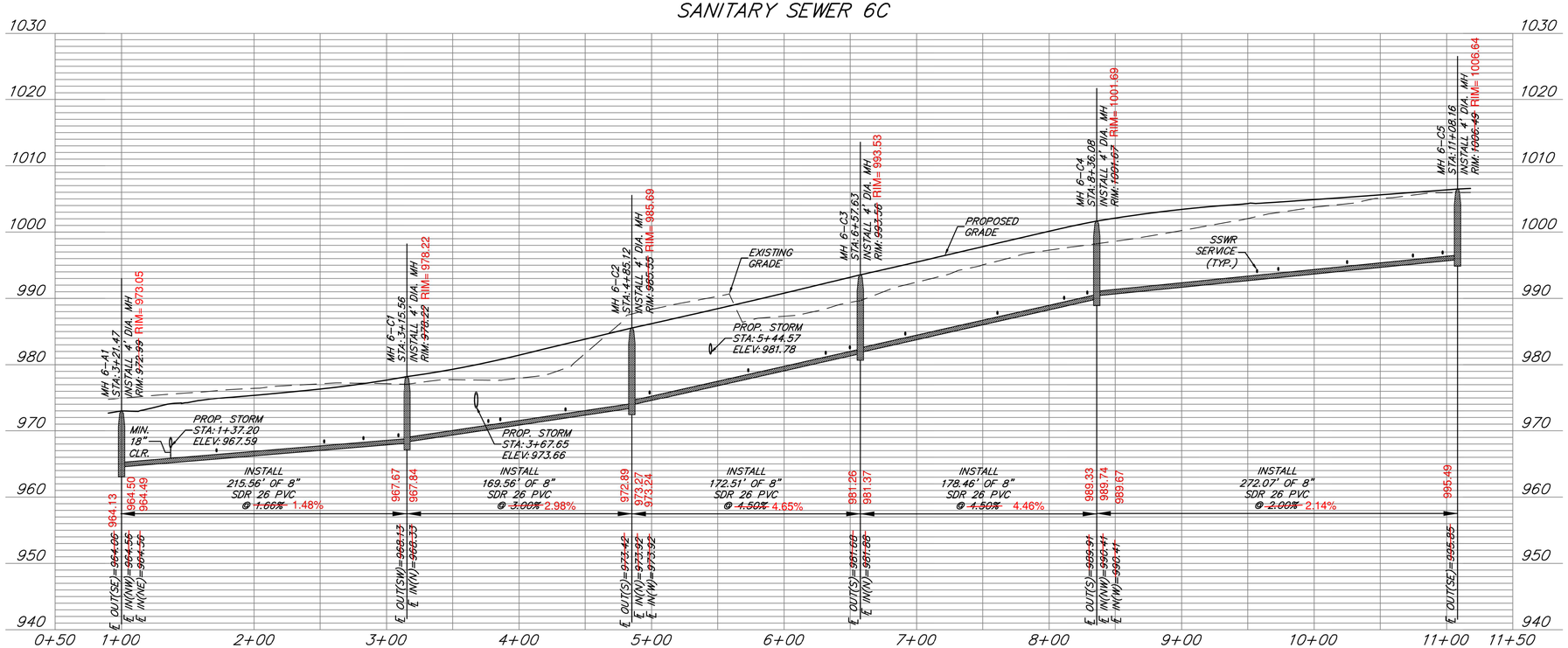

Sewer laterals were constructed per plan as indicated by Redford Construction

SANITARY SEWER SERVICE

PIPE NAME	STATION	LENGTH	SLOPE	MSFE
SSS-202	6+31.56	43'	2.00%	982.50+(3.5')
SSS-203	5+72.98	45'	2.00%	979.91+(3.5')
SSS-204	4+98.48	42'	2.00%	976.49+(3.5')
SSS-205	4+35.16	45'	2.00%	973.95+(3.5')
SSS-206	3+76.82	47'	2.00%	972.25+(3.5')
SSS-178	1+71.73	42'	2.00%	967.72+(3.5')
SSS-179	2+82.56	35'	2.00%	969.42+(3.5')
SSS-189	6+49.75	39'	2.00%	983.25+(3.5')
SSS-190	8+11.25	49'	2.00%	990.90+(3.5')
SSS-193	9+72.97	28'	2.00%	994.83+(3.5')
SSS-194	10+74.56	36'	2.00%	997.03+(3.5')
SSS-195	10+96.89	42'	2.00%	997.60+(3.5')
SSS-180	3+85.84	33'	2.00%	972.22+(3.5')
SSS-196	10+25.02	50'	2.00%	996.33+(3.5')
SSS-197	9+56.99	52'	2.00%	995.01+(3.5')
SSS-198	8+91.89	44'	2.00%	993.90+(3.5')
SSS-199	8+28.94	40'	2.00%	991.53+(3.5')
SSS-200	7+61.05	42'	2.00%	988.50+(3.5')
SSS-201	6+91.43	42'	2.00%	985.37+(3.5')
SSS-207	3+08.89	42'	2.00%	969.99+(3.5')
SSS-208	2+53.01	47'	2.00%	969.17+(3.5')

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

04/16/2021

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HIGHLAND MEADOWS - 6TH PLAT

SANTITARY SEWER 6C PLAN & PROFILE

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SHEET NUMBER
C103
4 OF 6

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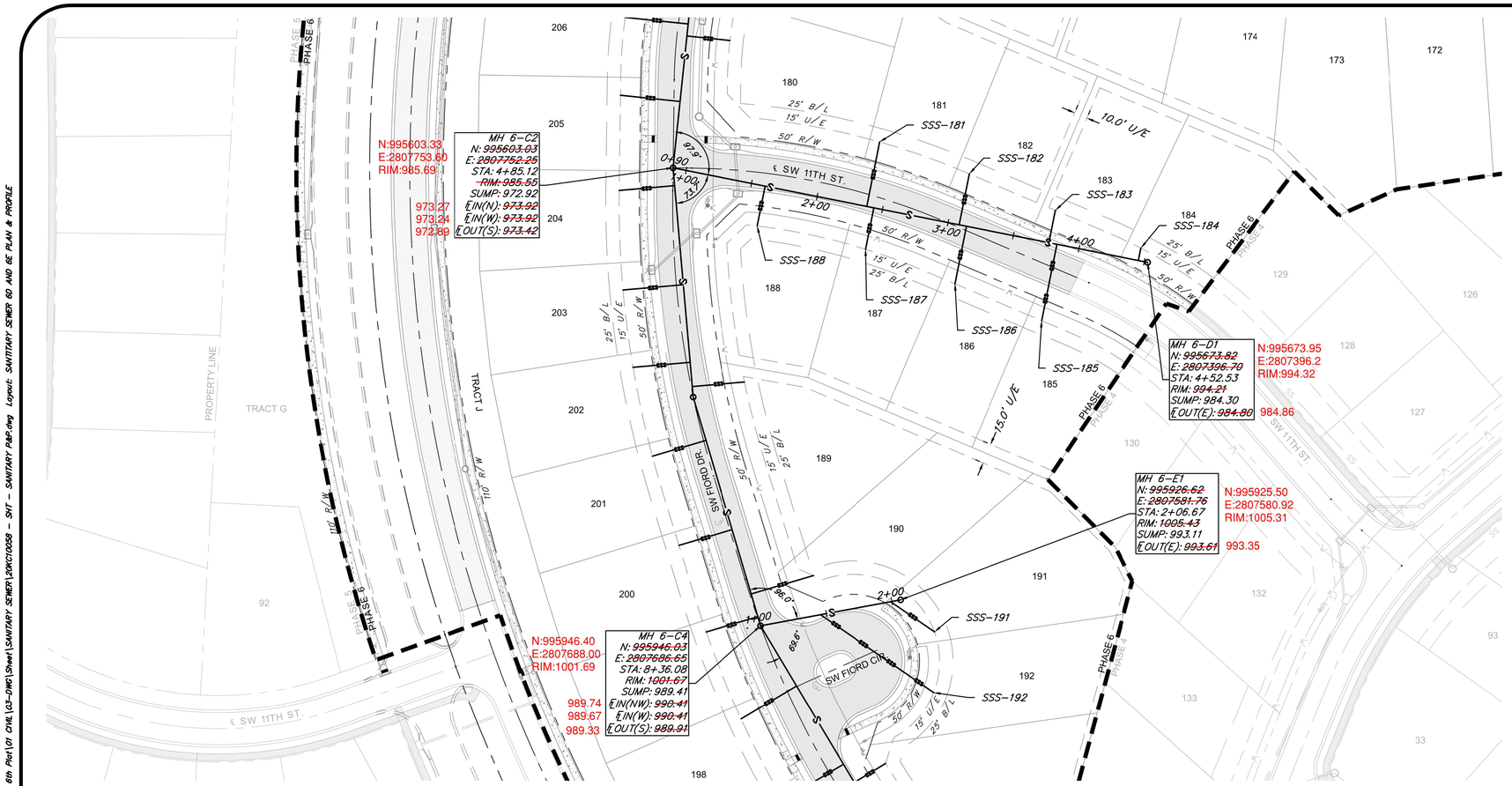

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10
0
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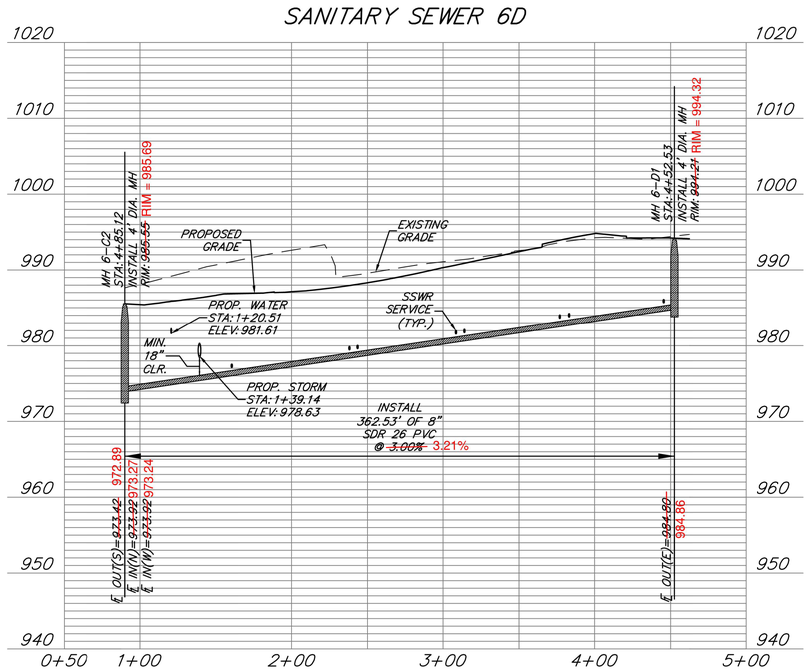

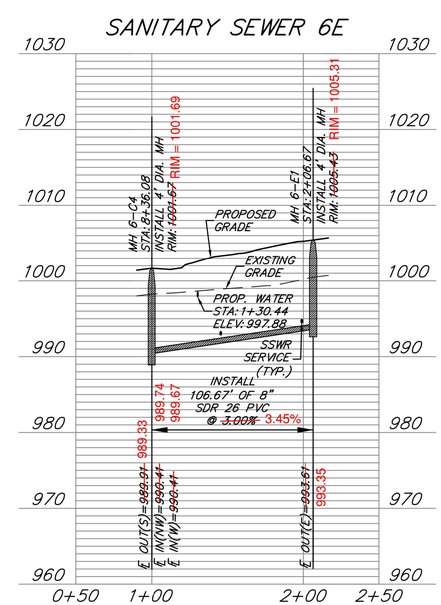

Sewer laterals were constructed per plan as indicated by Redford Construction

SANITARY SEWER SERVICE				
PIPE NAME	STATION	LENGTH	SLOPE	MSFE
SSS-185	3+83.18	58'	2.00%	985.02+(3.5')
SSS-186	3+14.02	44'	2.00%	982.66+(3.5')
SSS-187	2+43.45	32'	2.00%	980.29+(3.5')
SSS-188	1+60.38	30'	2.00%	977.77+(3.5')
SSS-191	1+98.80	40'	2.00%	995.31+(3.5')
SSS-192	1+45.59	103'	2.00%	994.97+(3.5')
SSS-181	2+38.08	49'	2.00%	980.48+(3.5')
SSS-182	3+08.46	39'	2.00%	982.39+(3.5')
SSS-183	3+77.06	25'	2.00%	984.16+(3.5')
SSS-184	4+45.46	9'	2.00%	985.91+(3.5')

AS-BUILT

The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information (provided by others / obtained by my firm). ~~100.49~~ 100.10', ~~1.08%~~ 1.15% slope", or "8-inch ~~HDPE~~ PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.

Date: 03/24/2022 Certified by: GRC
Title: Project Engineer Firm: Anderson Engineering Inc.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

04/16/2021

ANDERSON ENGINEERING
EMPLOYEE OWNED
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A LICENSED MISSOURI ENGINEERING & SURVEYING CORPORATION - LC 62

DRAWING INFO.	
DRAWN BY:	GC
CHECK BY:	ZM
LICENSE NO.	PE-2012009232
DATE:	1/7/2021
ISSUED FOR:	FOR REVIEW
JOB NUMBER:	20KC10058
MO COA NO.	000062

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	REVISED PER CITY COMMENT	GC	2/11/21
2	AS-BUILT DRAWINGS	GC	3/24/22

SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

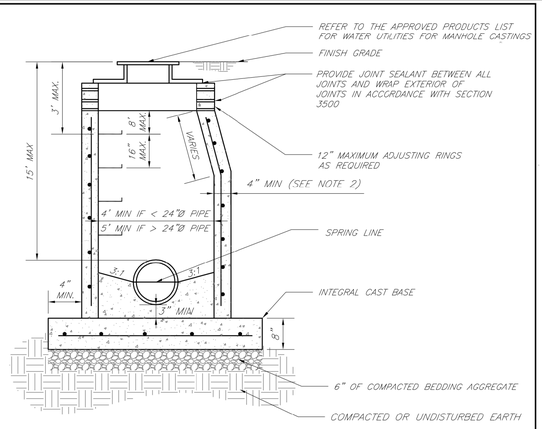
SANTITARY SEWER 6D AND 6E PLAN & PROFILE

S10, T47N, R32W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI
ZACH A. MYERS
NUMBER PE-2012009232
2/11/21
PROFESSIONAL ENGINEER

SHEET NUMBER
C104
5 OF 6

Feb 11, 2021 – 2:57pm Plotted By: gcate G:\Shared drives\KC10 – Land Development\Projects\2220\20KC10058 Highland Meadows – 6th Plat\01 CIVIL\03-DWG\Sheet\SANITARY SEWER\20KC10058 – SH7 – SANITARY P&P.dwg Layout: SANITARY SEWER 6D AND 6E PLAN & PROFILE

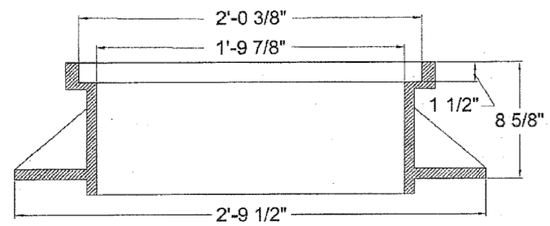


NOTES:
1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ($\frac{1}{12}$) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THEN 15'.
3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.
4. ONLY ECCENTRIC MANHOLE CONES WILL BE ALLOWED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION INTO THE FLOW LINE.
6. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR APPROVED MANHOLE GASKET MODELS.
7. REFER TO THE APPROVED PRODUCTS LIST FOR APPROVED STEPS.

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

STANDARD PRECAST MANHOLE – SANITARY SEWER

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: SAN-2
Rev: 1/14
Rev:

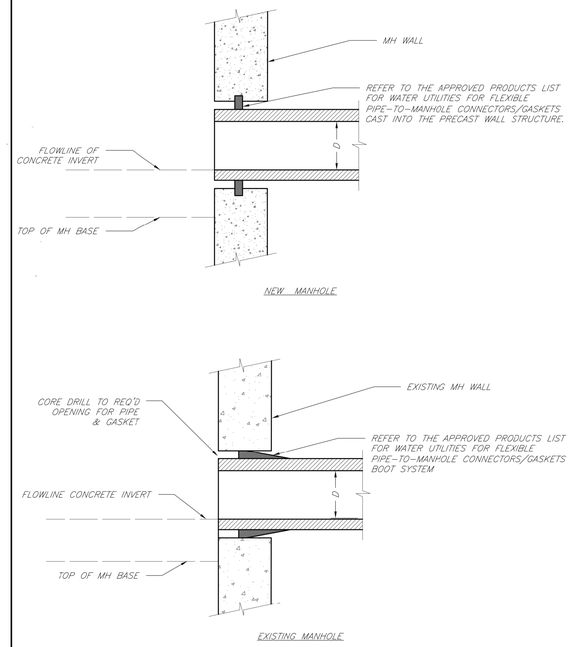


Standard 24" Manhole Frame
Lee's Summit Part No.: LS101A
Minimum weight = 250 lb
Matching Cover: LS101B

CITY OF LEE'S SUMMIT, MISSOURI
PUBLIC WORKS/ENGINEERING

STANDARD 24" MANHOLE FRAME

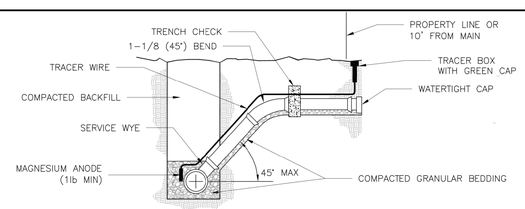
Date: 09/16/04
Drawn By: JN
DWG: SS-8
Rev: 01/04/07
Rev:



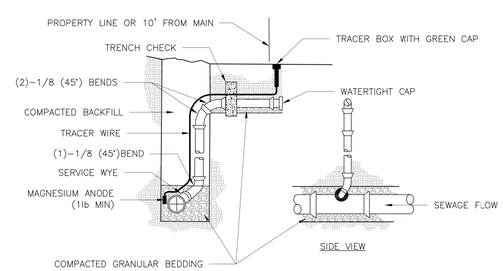
LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

MANHOLE WALL CONNECTIONS

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: SAN-5
Rev: 1/14
Rev:



STANDARD INSTALLATION
NOT TO SCALE



VERTICAL RISER
NOT TO SCALE

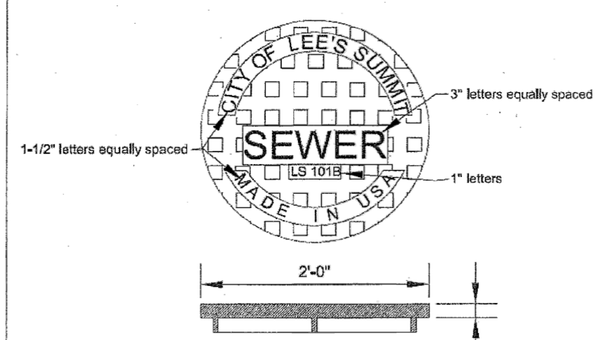
NOTES:
1. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN. WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.
2. ALL NEW CONSTRUCTION OFF SEWER STUBS SHALL BE TEMPORARILY MARKED WITH A MARKING STAKE, 36" ABOVE GROUND AND PAINTED GREEN.
3. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
4. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.
5. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
6. #12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
7. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.
8. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.
9. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

BUILDING SEWER STUB AND RISER

Date: 04/17
Drawn By: MJF
Checked By: DL

SAN-1



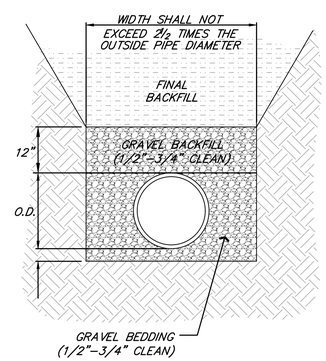
Standard 24" Manhole Cover
Lee's Summit Part No.: LS101B
Minimum weight = 160 lb
Matching Frame: LS101A
Note: Pick holes not shown.

CITY OF LEE'S SUMMIT, MISSOURI
PUBLIC WORKS/ENGINEERING

STANDARD 24" MANHOLE COVER

Date: 09/16/04
Drawn By: JN
DWG: SS-10
Rev: 04/05/07
Rev:

BEDDING
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
INITIAL BACKFILL
-UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
-UNDER OPEN AREAS
1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS
FINAL BACKFILL
-UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS
ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 95% OF STANDARD DENSITY PER ASTM D-698
-UNDER OPEN AREAS
ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 90% OF STANDARD DENSITY PER ASTM D-698



BEDDING DEPTH BELOW PIPE		
PIPE DIAMETER	IN SOIL	IN ROCK
24" AND LESS	4"	6"
27" THRU 60"	4"	9"

PIPE BEDDING DETAIL
NOT TO SCALE

AS-BUILT
The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information (provided by others) obtained by my firm at the time of preparation. Field verification of this information has not been performed. Any subsequent revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.
Date: 03/24/2022 Certified by: GRC
Title: Project Engineer Firm: Anderson Engineering Inc.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/16/2021

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DRAWING INFO.

NO.		BY	DATE
1	REVISED PER CITY COMMENT	GC	2/11/21
2.	AS-BUILT DRAWINGS	GC	3/24/22

DRAWN BY: GC
CHECK BY: ZM
LICENSE NO. PE-2012009232
DATE: 1/7/2021
ISSUED FOR: FOR REVIEW
JOB NUMBER: 20KC10058
MO COA NO. 000062

SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

SANITARY SEWER DETAILS

S10, T47N, R32W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI
ZACH A. MYERS
NUMBER PE-2012009232
2/11/21
PROFESSIONAL ENGINEER

SHEET NUMBER
C401
6 OF 6

Feb 11, 2021 – 2:57pm Plotted By: gcote G:\Shared drives\KC10 – Land Development\Projects\2020\20KC10058 Highland Meadows – 6th Plat\01 CIVIL\03-DWG\Sheet\SANITARY SEWER\20KC10058 – SH7 – DETAILS.dwg Layout: SANITARY SEWER DETAILS