



Public Notice

**US ARMY CORPS
OF ENGINEERS
St. Louis District
Gateway to Excellence**

**Reply To:
U.S. Army Corps of Engineers
Attn: CEMVS-OD-F
1222 Spruce Street
St. Louis, Missouri 63103-2833**

Public Notice No.
P-3083
Public Notice Date
April 1, 2020
Expiration Date
April 22, 2020

Postmaster Please Post Conspicuously Until:

File Number: MVS-2017-80 (Canterbury and Roland Storm Sanitary Relief (Nelson to Roland Blvd.)(12110) Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached maps.

COMMENTS AND ADDITIONAL INFORMATION: Comments on the described work should reference the U.S. Army Corps of Engineers File Number shown above and must reach this office no later than the above expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
Regulatory Branch
1222 Spruce Street
St. Louis, Missouri 63103-2833
ATTN: David Meyer

APPLICANT: Metropolitan St. Louis Sewer District, Attention: Mr. Kevin Koines, 2350 Market St., St. Louis, Missouri 63103

LOCATION: A small unnamed tributary runs through the backyards of the south side of the 6900 block of Roland Boulevard, Northwoods, Missouri. The tributary drains approximately 40 acres of mostly quarter-acre subdivision lots. Residents in the area indicate that the tributary overflows into the residential yards every year or two. These overflows cover most of 6904 through 6944 Roland Boulevard (38.7059,-90.2855) and occasionally enters resident's basements. The project is located in Section 28, Township 46 North, Range 6 East, St. Louis County, Missouri.

PROJECT DESCRIPTION: The applicant (Metropolitan St. Louis Sewer District) has received numerous complaints from residents on the 6900 block of Roland Boulevard in the city of Northwoods, Missouri, who experience yard and basement flooding, even during low intensity storm events. The applicant seeks authorization to conduct grading and excavation operations within waters of the United States to modify an unnamed intermittent tributary, for the purpose of increasing capacity, and to better manage the amount of runoff flowing through residential properties. The proposal plans for the improvements of approximately 600 feet of channel, with a modification that includes the widening and creation of a shallow trapezoidal channel, to contain 15-year and 100-year

design storms. The modified channel would have a bottom width of six feet, a minimum depth of two feet, and side slopes re-shaped 2:1 (h:v). Also, approximately 184 feet of 2-3 foot tall modular block wall would be installed along the left descending bank to minimize impacts to private property. The vacant lot located at 6906 Roland Blvd. will be used as storage in the form of a floodplain bench.

Additionally, the project involves 1800-feet of new gravity sanitary sewer ranging in size from 8-inch to 15-inch and the abandonment and filling of existing sanitary sewer ranging in size from 8-inch to 12-inch. The proposed sanitary sewer will run approximately along the same alignment; however, along Winchester Drive the new sewer will be placed across an unnamed tributary.

The applicant's agent, HR Green, Inc. has researched alternatives and has attempted to minimize impacts to the unnamed tributary. However, the agent has stated that the proposed impacts are necessary, ultimately choosing the alternative which has the appropriate balance of minimal impacts, economic feasibility, and to correct/mitigate stream bank deficiencies for the protection of private property.

LOCATION MAPS AND DRAWINGS: See attached. In addition, the project plans may be viewed in color and in more detail by visiting the Public Notice section of our website at <http://www.mvs.usace.army.mil/Missions/Regulatory/PublicNotices/OpenNotices.aspx>

ADDITIONAL INFORMATION: Additional information may be obtained by contacting David P. Meyer, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8810. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to David.P.Meyer@usace.army.mil.

AUTHORITY: This permit will be processed under Section 404 of the Clean Water Act (33 U.S.C. 1344).

WATER QUALITY CERTIFICATION: Section 401 of the Clean Water Act (33 USC 1341) requires that all discharges of dredged or fill material must be certified by the appropriate state agency as complying with applicable effluent limitations and water quality standards. The project plans will be submitted to the Missouri Department of Natural Resources, Water Protection Program (the Agency) in accordance with Section 401. While the Corps of Engineers may provide all relevant information to DNR and request Section 401 review on behalf of the applicant, the applicant assumes final responsibility to ensure that both agencies receive all information required to complete their independent review. If issued, Certification will express the Agency's opinion that the proposed activities will not violate applicable water quality standards. Written comments concerning possible impacts to waters of Missouri should be addressed to: Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102-0176, with a copy provided to the Corps of Engineers.

SECTION 404 (b)(1) EVALUATION: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404 (b)(1) of the Clean Water Act.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the applicant's proposal. Any request for a public hearing shall state, with particularity, the reason for the hearing, and must be based on issues that would warrant additional public review.

ENDANGERED SPECIES: A preliminary determination, in compliance with the Endangered Species Act, as amended, has been made that the work that is proposed would not affect species designated as threatened or endangered, or adversely affect critical habitat. Therefore, no formal consultation request has been made to the United States Department of Interior, Fish and Wildlife Service. In order to complete our evaluation, comments are solicited from the Fish and Wildlife Service and other

interested agencies and individuals through this Public Notice.

CULTURAL RESOURCES: The St. Louis District will evaluate information provided by the State Historic Preservation Officer and the public in response to this public notice and we may require a reconnaissance survey of the project area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that may reasonably be expected to accrue from the described activity must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the activity described, will be considered including the cumulative effects. Among factors considered are: conservation; economics; aesthetics; general environmental concerns; wetlands; historic properties; fish and wildlife values; flood hazards; flood plain values; land use; navigation; shoreline erosion and accretion; recreation; water supply and conservation; water quality; energy needs; safety; food and fiber production; mineral needs; consideration of property ownership; and in general the needs and welfare of the people.

SOLICITATION OF COMMENTS: The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Robert S. Gramke

Robert S. Gramke
Chief, Regulatory Branch

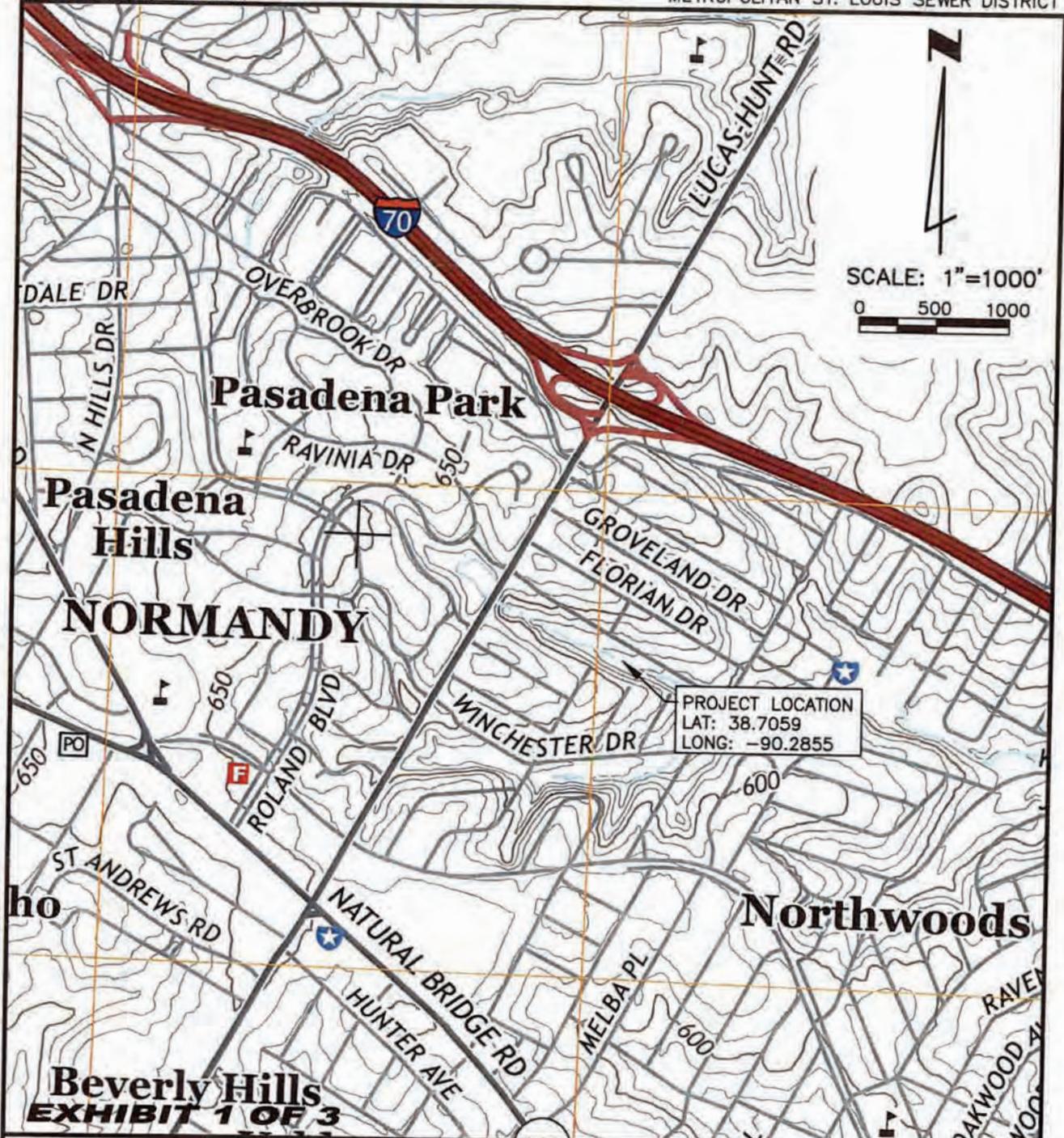
Attachments

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.

ROLAND BOULEVARD STORM SEWER (11016)
NORTHWOODS, MISSOURI

METROPOLITAN ST. LOUIS SEWER DISTRICT



USGS 7.5 CLAYTON QUADRANGLE (2015)
ROLAND BOULEVARD STORM SEWER (11016)
NORTHWOODS, MISSOURI
VICINITY MAP

METROPOLITAN ST. LOUIS SEWER DISTRICT

CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)

ROLAND BLVD STORM IMPROVEMENTS DRAWINGS

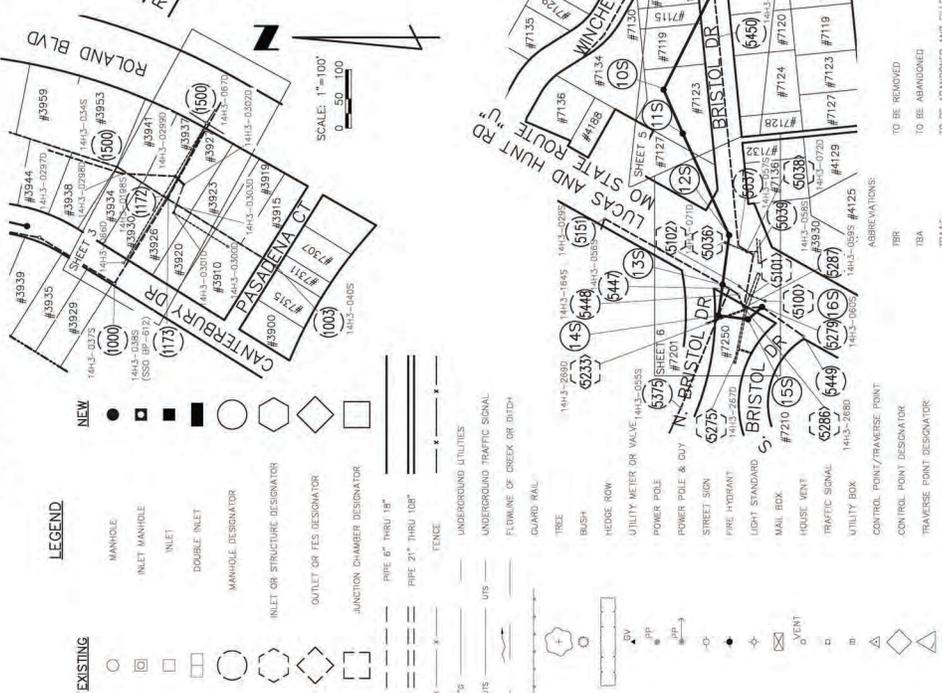
SANITARY SEWER DRAWINGS

INDEX

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11-12	CROSS SECTIONS
13-17	PLANTING DETAILS
18	WALL DETAILS

GENERAL NOTES

- ALL RESTORATION WORK (INCLUDING PAVEMENT, SIDEWALKS, CURB RAMP, ETC.) WITH ST. LOUIS COUNTY STANDARDS. ANY SHALL BE CONSTRUCTED TO COUNTY STANDARDS.
- ALL PROPOSED TEMPORARY CONSTRUCTION ACCESS SHALL BE OBTAINED FROM ST. LOUIS COUNTY. ADEQUATE SIGNAGE PER ST. LOUIS COUNTY STANDARDS SHALL BE OBTAINED FOR ALL TEMPORARY CONSTRUCTION ACCESS.
- A SPECIAL USE PERMIT SHALL BE OBTAINED FOR ALL TEMPORARY CONSTRUCTION ACCESS PRIOR TO THE START OF ANY WORK.
- WORK SHALL BE COMPLETED WITHIN 180 DAYS OF THE START DATE OF THE CONTRACT.
- AREA RIGHT-OF-WAY SHALL BE SODDED.
- THE RESPONSIBILITY OF THE CONTRACTOR/VEHICLE IS TO MAINTAIN ALL UTILITIES AND EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND EXISTING UTILITIES.
- ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE CONTRACTOR WITH A GENERAL LIABILITY COVERAGE (GEOGRAPHY, INJURY AND PROPERTY DAMAGES) IN THE AMOUNT SPECIFIED AS THE CONTRACTOR'S POLICY. SUCH COVERAGE SHALL INCLUDE ST. LOUIS COUNTY AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE START OF CONSTRUCTION. ADEQUATE PROTECTION SHALL BE PROVIDED FOR ALL UTILITIES AND EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND EXISTING UTILITIES.
- WHERE PROPOSED WORK IMPACTS EXISTING PEDESTRIAN AND BICYCLE TRAVEL, THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION AND SIGNAGE PRIOR TO THE START OF CONSTRUCTION. ADEQUATE PROTECTION SHALL BE PROVIDED FOR ALL UTILITIES AND EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND EXISTING UTILITIES.



REV.	DATE	DESCRIPTION	BY

METROPOLITAN ST. LOUIS SEWER DISTRICT
ST. LOUIS, MISSOURI 63103
(314) 768-6200



wood.
15932 Clayton Road, Suite 215
St. Louis, MO 63141
Phone: 636-386-2800 Fax: 636-402-3005
Design: Engineering Corporation
Corporate Offices: St. Louis, MO • Springfield, MO • Kansas City, MO

gonzalez
GONZALEZ COMPANIES, LLC
1919 BRIDGESIDE BLVD, SUITE 200
ST. LOUIS, MISSOURI 63104
Phone: 314-966-1888
Fax: 314-966-1888
www.gonzalezinc.com

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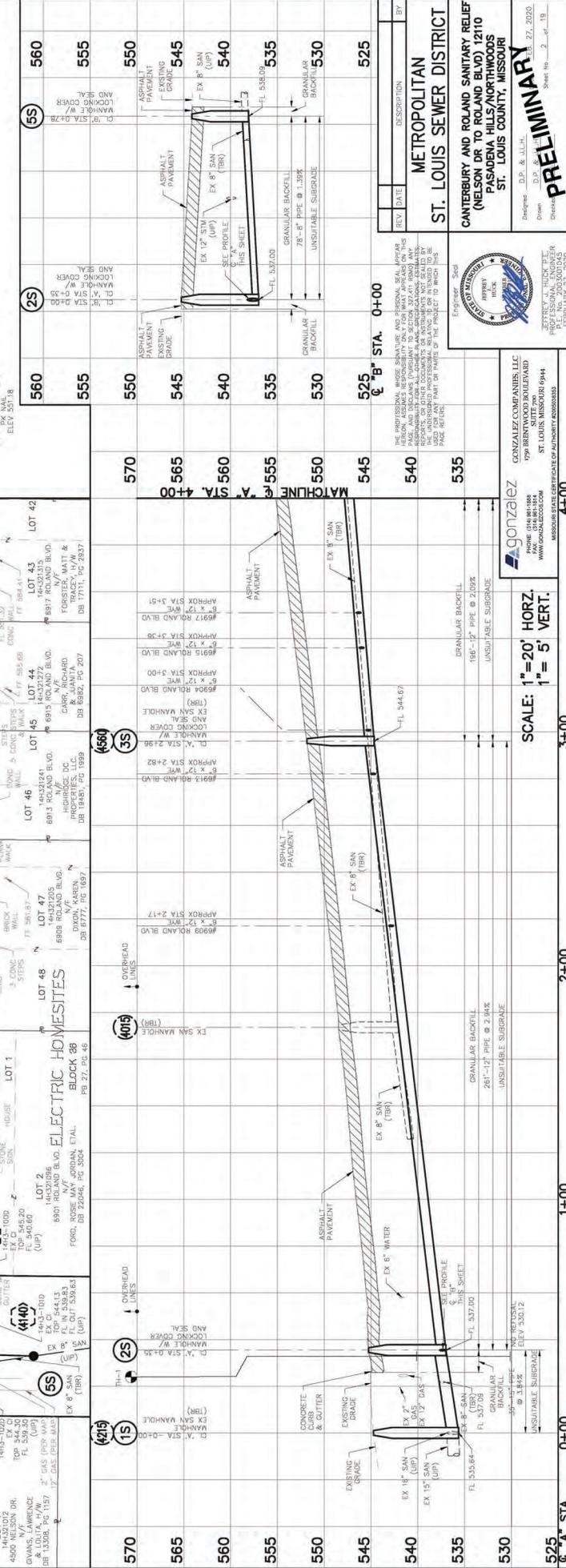
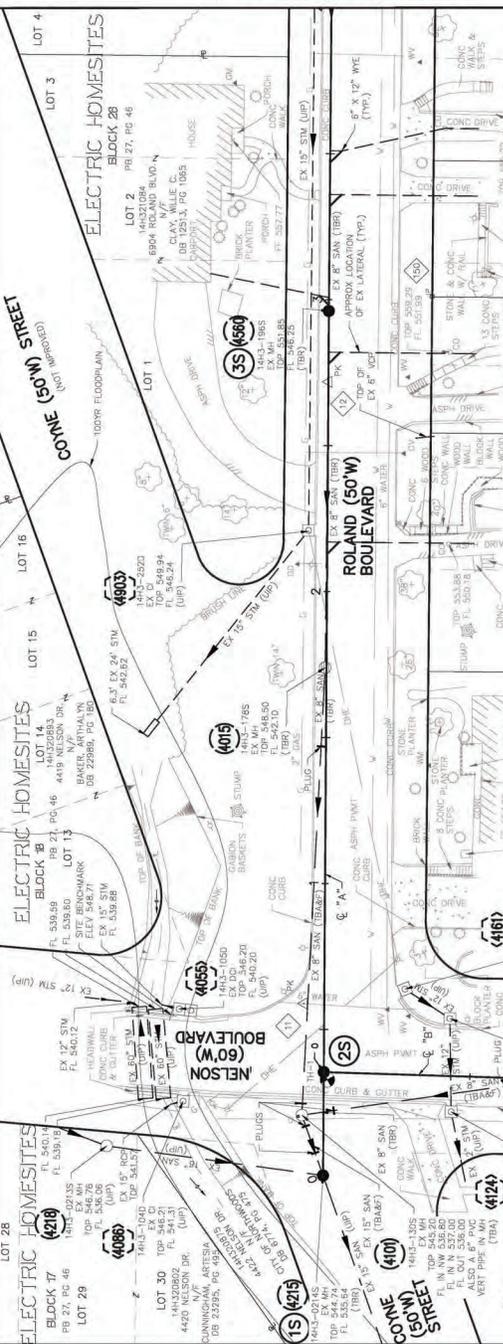
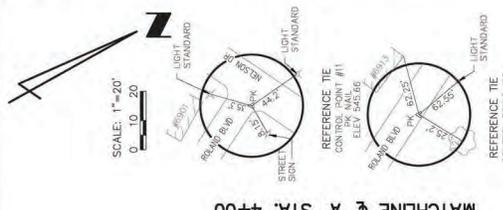
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POINT TABLE		EASTING		NORTHING		ELEVATION		DESCRIPTION	
CONTROL POINT #	POINT #	EASTING	NORTHING	EASTING	NORTHING	EASTING	NORTHING	DESCRIPTION	PK MILE
11	1045727.268	881724.248	1045727.268	881724.248	546.06	PK MILE			
12	1045638.274	881942.253	1045638.274	881942.253	551.18	PK MILE			

EXISTING STRUCTURE TABLE		EASTING		NORTHING		ELEVATION		DESCRIPTION	
PT. #	ID #	EASTING	NORTHING	EASTING	NORTHING	EASTING	NORTHING	DESCRIPTION	PK MILE
4015	4015	1413-1785	1045789.76	882027.28	882027.28	546.06	882027.28	SANITARY M.H.	
4035	4035	1413-1050	1045888.49	882105.41	882105.41	546.06	882105.41	STORM INLET	
4086	4086	1413-1045	1045795.36	882153.64	882153.64	546.06	882153.64	STORM INLET	
4101	4101	1413-1355	1045782.48	882157.68	882157.68	546.06	882157.68	SANITARY M.H.	
4124	4124	1413-1020	1045755.69	882161.22	882161.22	546.06	882161.22	STORM INLET	
4161	4161	1413-1000	1045768.80	882156.84	882156.84	546.06	882156.84	STORM INLET	
4215	4215	1413-1025	1045704.78	882178.08	882178.08	546.06	882178.08	SANITARY M.H.	
4218	4218	1413-1283	1045845.05	882134.39	882134.39	546.06	882134.39	SANITARY M.H.	
4500	4500	1413-1865	1045850.09	881921.06	881921.06	546.06	881921.06	SANITARY M.H.	
4903	4903	1413-2520	1045807.59	881983.43	881983.43	546.06	881983.43	STORM INLET	

NEW STRUCTURE TABLE		EASTING		NORTHING		ELEVATION		DESCRIPTION	
PT. #	ID #	EASTING	NORTHING	EASTING	NORTHING	EASTING	NORTHING	DESCRIPTION	PK MILE
15	15	1045704.76	882178.08	1045704.76	882178.08	546.06	882178.08	MANHOLE WITH LOCKING COVER AND SEAL	
25	25	1045724.18	882148.21	1045724.18	882148.21	546.06	882148.21	MANHOLE WITH LOCKING COVER AND SEAL	
35	35	1045850.09	881921.06	1045850.09	881921.06	546.06	881921.06	MANHOLE WITH LOCKING COVER AND SEAL	
45	45	1045789.59	882161.22	1045789.59	882161.22	546.06	882161.22	MANHOLE WITH LOCKING COVER AND SEAL	



ST. LOUIS SEWER DISTRICT
METROPOLITAN
CANTERBURY AND ROLAND SANITARY RELIEF
(NELSON DR TO HOLLAND BLVD) 12110
PASADENA HILLS/NORTHWOODS
ST. LOUIS COUNTY, MISSOURI

Engineer: D.E. & J.L.H.
 Designer: J.P. & J.L.H.
 Checker: J.P. & J.L.H.
 Date: FEBRUARY 27, 2020
 Sheet No.: 2 of 19

PRELIMINARY

CONZALEZ COMPANIES, LLC
 1799 BRUNNEN AVENUE
 SUITE 100
 ST. LOUIS, MISSOURI 63104
 WWW.CONZALEZ.COM
 MISSOURI STATE CERTIFICATE OF AUTHORITY #000000000000

JEFFREY J. HUCK, P.E.
 1799 BRUNNEN AVENUE
 SUITE 100
 ST. LOUIS, MISSOURI 63104
 P.E. NO. 200,000,000,000
 FEBRUARY 27, 2020

Professional Engineer Seal

SCALE: 1"=20' HORIZ.
 1"=5' VERT.

0+00 1+00 2+00 3+00 4+00

570 565 560 555 550 545 540 535 530 525

570 565 560 555 550 545 540 535 530 525

STATIONING: 0+00, 1+00, 2+00, 3+00, 4+00



SCALE: 1"=40'
0 20 40



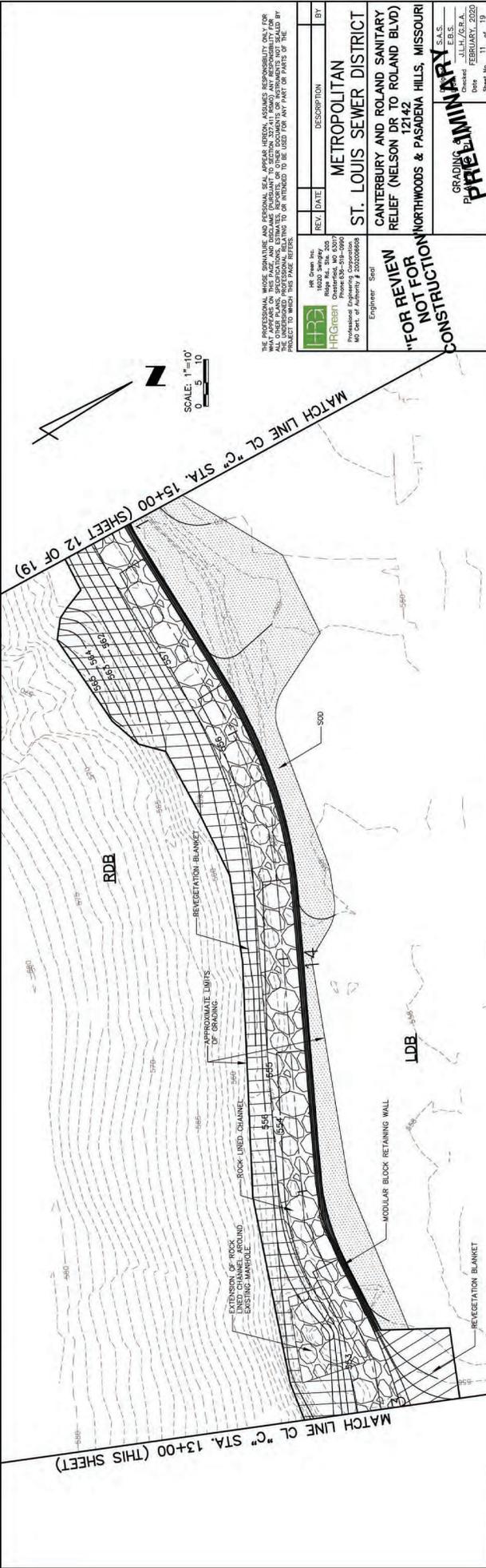
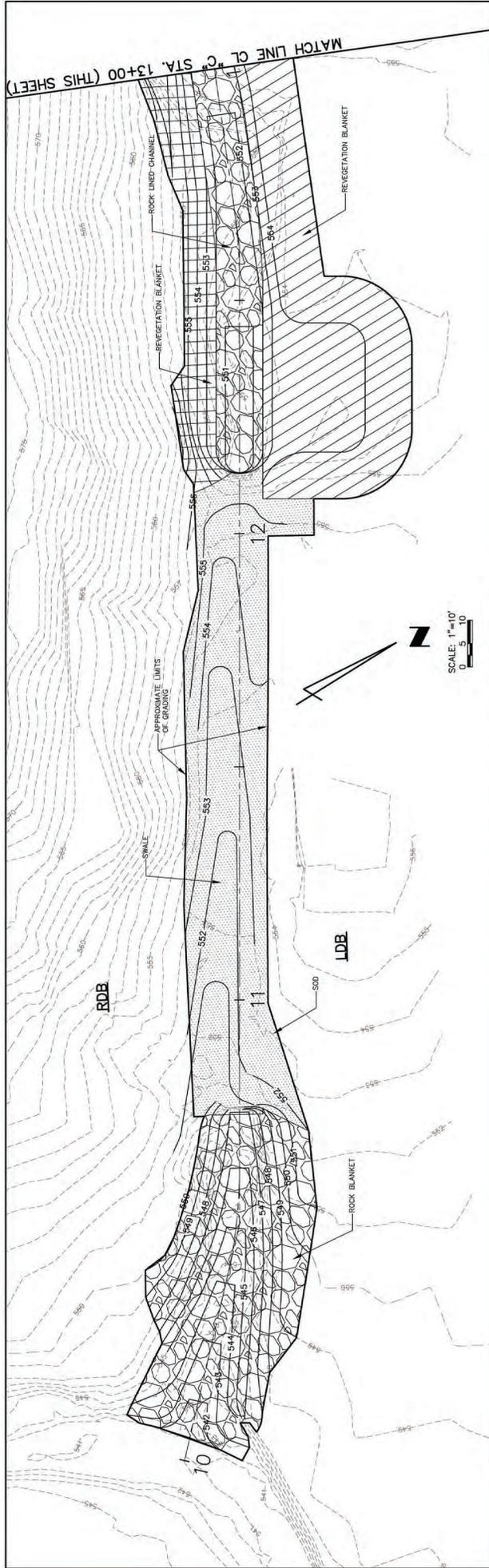
THE PROFESSIONAL ENGINEER'S SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUMES RESPONSIBILITY ONLY FOR THE WORK DONE BY HIMSELF OR HIS FIRM AND DOES NOT ASSUME RESPONSIBILITY FOR THE WORK OF OTHER ENGINEERS OR ARCHITECTS WHO MAY BE EMPLOYED BY HIM OR HIS FIRM. THIS PLAN IS TO BE USED FOR ANY PART OR PARTS OF THE PROJECT DESCRIBED HEREON.

REV.	DATE	DESCRIPTION	BY
		METROPOLITAN	
		ST. LOUIS SEWER DISTRICT	
		CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)	
		NORTHWOODS & PASADENA HILLS, MISSOURI	

KEY SHEET	S.A.S.
PRELIMINARY	
STORAGE IMPROVEMENTS	
Checked	J.L.H./D.P.A.
Date	FEBRUARY, 2020
Sheet No.	14-H-3

FOR REVIEW NOT FOR CONSTRUCTION

170074.C1
BASE MAP: 14-H-3
John J. Voth, 170074.C1 (08/14/19)
Project: 14-H-3 & 14-H-3 (08/14/19) by geotico



THE PROFESSIONAL ENGINEER'S SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUMING RESPONSIBILITY ONLY FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT AND DISCLAIMING LIABILITY FOR THE DESIGN AND CONSTRUCTION OF ANY OTHER PROJECTS. THE PROFESSIONAL ENGINEER'S SIGNATURE AND PERSONAL SEAL ARE REQUIRED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT. THE PROFESSIONAL ENGINEER'S SIGNATURE AND PERSONAL SEAL ARE REQUIRED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT.

REV.	DATE	DESCRIPTION

HR Green Inc.
Professional Engineer
No. 0001
Professional Engineering Corporation
No. 0001
2000000000

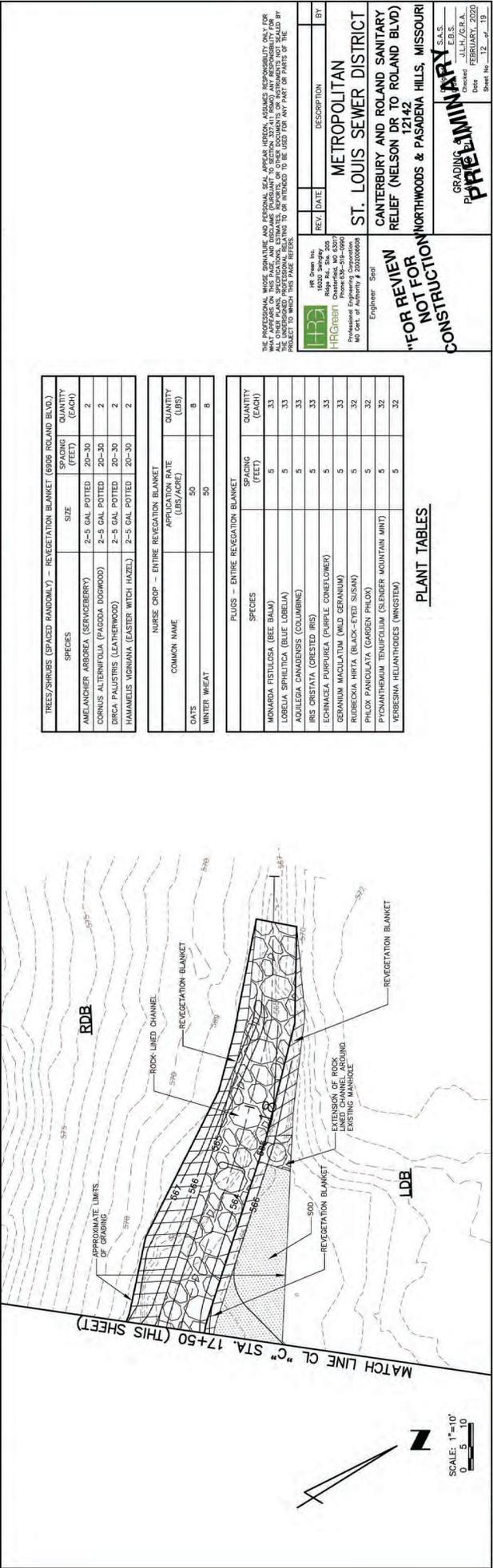
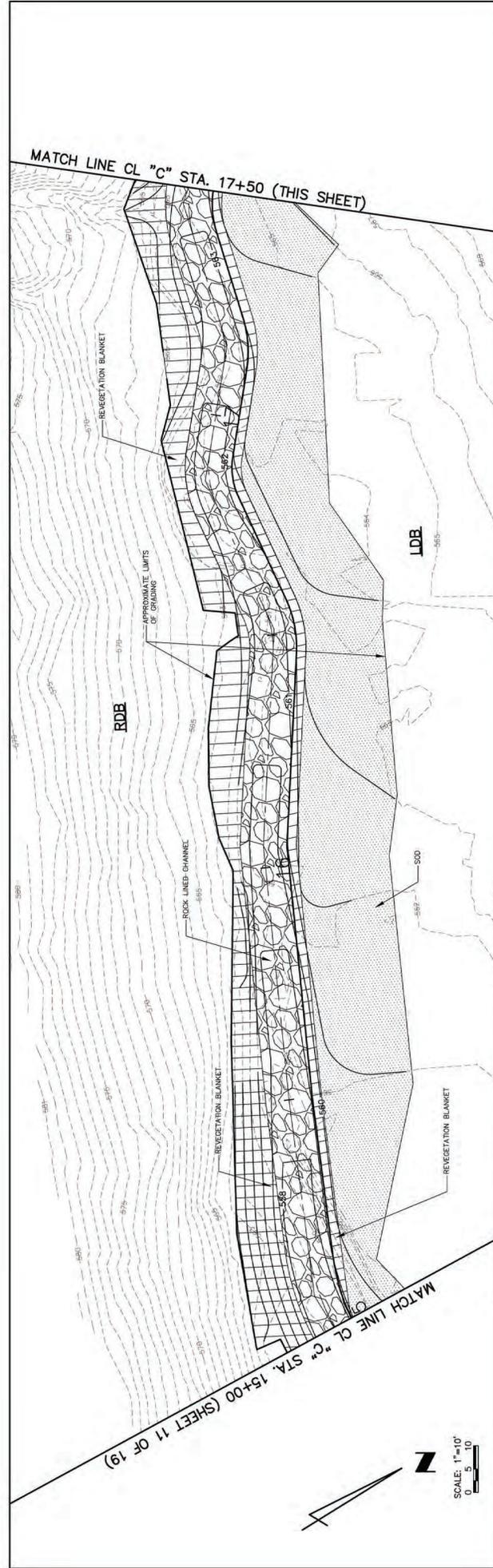
FOR REVIEW NOT FOR CONSTRUCTION

PRELIMINARY

GRADING ENGINEER
J.L.H./G.P.A.
Date: FEBRUARY, 2020
Sheet No. 14-H-3

METROPOLITAN ST. LOUIS SEWER DISTRICT
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)
NORTHWOODS & PASADENA HILLS, MISSOURI

170074 SPT



SPECIES	SIZE	SPACING (FEET)	QUANTITY (EACH)
AMELAGNER ARBOREA (SERAPICBERRY)	2-5 GAL POTTED	20-30	2
CORNUS ALTERNIFOLIA (PAGODA DOGWOOD)	2-5 GAL POTTED	20-30	2
DIRCA PALUSTRIS (LEATHERWOOD)	2-5 GAL POTTED	20-30	2
HAMAMELIS VIRGINIANA (EASTER WITCH HAZEL)	2-5 GAL POTTED	20-30	2

COMMON NAME	APPLICATION RATE (LBS/ACRE)	QUANTITY (LBS)
WINTER WHEAT	50	8

SPECIES	SPACING (FEET)	QUANTITY (EACH)
MONARDA FISTULOSA (BEE BALM)	5	33
LOBELIA SIPHILITICA (BLUE LOBELIA)	5	33
AQUILEGIA CANADENSIS (COLUMBINE)	5	33
IRIS CRISTATA (CRESTED IRIS)	5	33
ECHINACEA PURPUREA (PURPLE CONEFLOWER)	5	33
GERANIUM MACGILLIVRAI (WILD GERANIUM)	5	32
RUBROCKIA HIRTA (BLACK-EYED SUSAN)	5	32
PHLOX PANICULATA (GARDEN PHLOX)	5	32
PSYCHOTRACHIUM TENUIFOLIUM (SENDER MOUNTAIN MINT)	5	32
PERENNIA HELIANTHODES (WINSTED)	5	32

PLANT TABLES

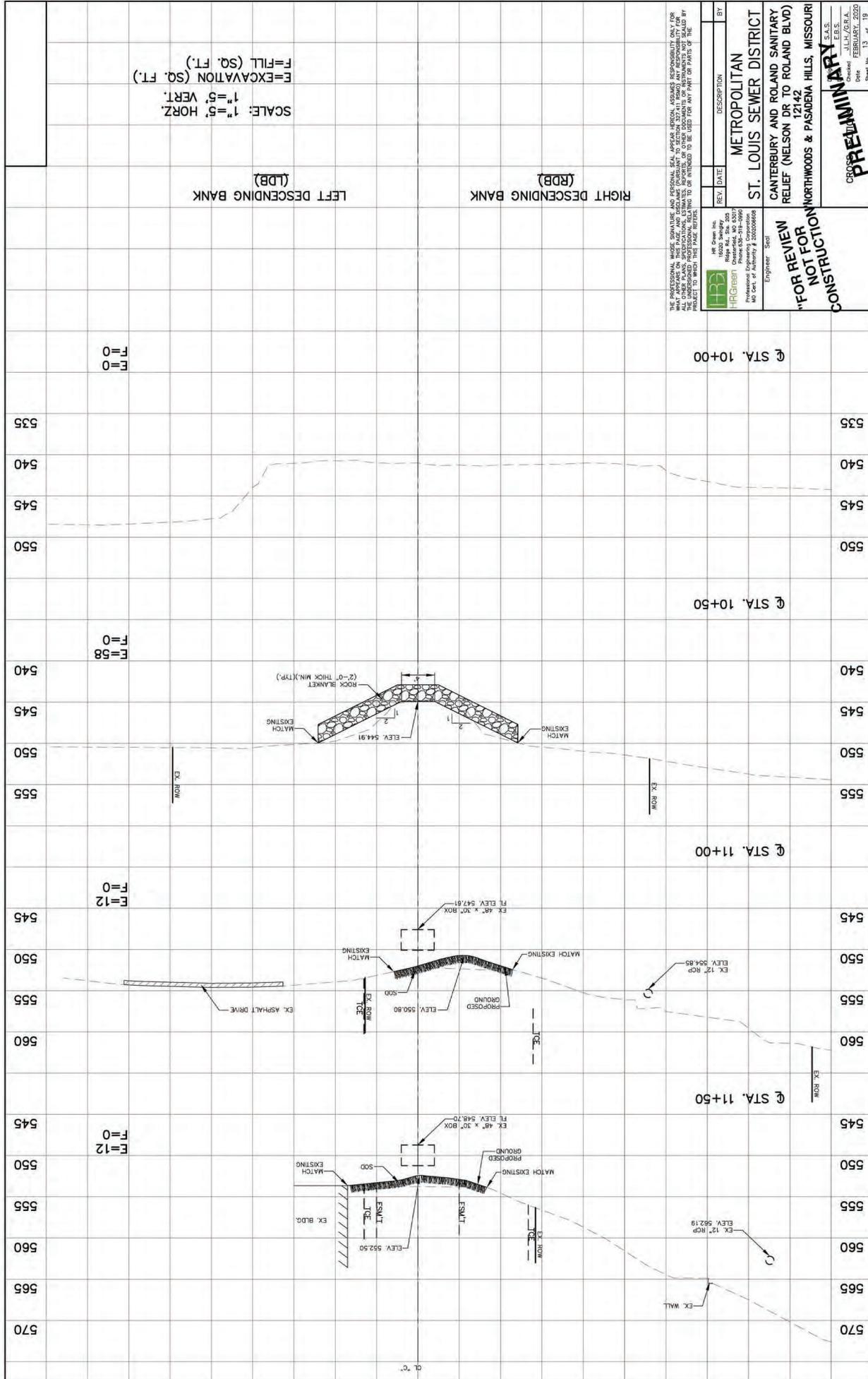
THE PROFESSIONAL ENGINEER'S SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUMING RESPONSIBILITY ONLY FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT. THIS DESIGN IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT AND THE PROFESSIONAL ENGINEER'S FIELD SURVEY. THE PROFESSIONAL ENGINEER'S FIELD SURVEY IS NOT A GUARANTEE OF ACCURACY AND SHALL BE USED FOR ANY PART OR PARTS OF THE PROJECT ONLY. THIS DESIGN IS NOT TO BE USED FOR ANY OTHER PROJECT.

HPB
 H. P. B. Inc.
 1000 N. 10th St.
 Des Moines, IA 50319
 Professional Engineering Corporation
 No. Cert. of Authority # 2000000008
 Engineer Seal

REV. DATE DESCRIPTION
 METROPOLITAN
 ST. LOUIS SEWER DISTRICT
 CANTERBURY AND ROLAND SANITARY
 RELIEF (NELSON DR TO ROLAND BLVD)
 NORTHWOODS & PASADENA HILLS, MISSOURI

GRADING & E.S.S.
PRELIMINARY
 Checked: J.L.H./D.P.A.
 Date: FEBRUARY, 2020
 Sheet No. 21E-07-13

BASE MAP: 14-H-3
 170074 SP2
 Profile: J:\2017\170074\GSD\04wg1.C
 Plotfile: em - 2729723 @ 02:13:47PM by elcinto



SCALE: 1"=5' HORIZ.
1"=5' VERT.
E=EXCAVATION (SQ. FT.)
F=FILL (SQ. FT.)

LEFT DESCENDING BANK (LDB)

RIGHT DESCENDING BANK (RDB)

F=0

F=58

F=12

F=12

STA. 10+00

STA. 10+50

STA. 11+00

STA. 11+50

THE PROFESSIONAL, WISE, SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUMES RESPONSIBILITY ONLY FOR THIS SET OF PLANS AND DRAWINGS PREPARED BY THE ENGINEER OR ARCHITECT AND NOT FOR ANY OTHER WORK OR FOR THE ACCURACY OF THE INFORMATION RELAYING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT. THE ENGINEER OR ARCHITECT DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF THE INFORMATION RELAYING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT.

HPB
H. P. Green, Inc.
Professional Engineer
No. 0001
Missouri
No. 0001
Professional Engineer's Corporation
No. 0001
Missouri
No. 0001
Professional Engineer's Corporation
No. 0001
Missouri

PRELIMINARY
E.S.S.
J.L.H./D.P.A.
FEBRUARY, 2020
Date
Checked
Sheet No. 13 of 13

CONSTRUCTION
NOT FOR REVIEW

Engineer Seal

ST. LOUIS SEWER DISTRICT
CANTERBURY AND ROLAND SANITARY RELIEF (NELSON DR TO ROLAND BLVD)
NORTHWOODS & PASADENA HILLS, MISSOURI

REV. DATE DESCRIPTION

