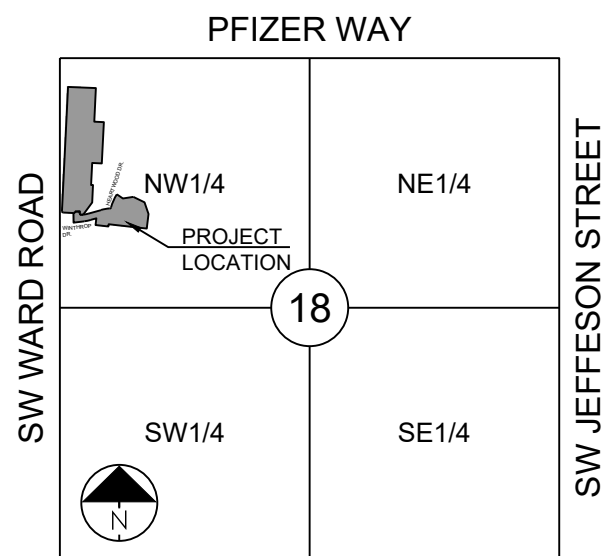


A/E	- ACCESS EASEMENT
BC	- BACK OF CURB
B/B	- BACK TO BACK
BM	- BENCHMARK
BL or B.L.	- BUILDING LINE
CO	- CLEANOUT
TJB	- TELEPHONE JUNCTION BOX
C&G	- CURB AND GUTTER
D/E	- DRAINAGE EASEMENT
E/E	- ELECTRICAL EASEMENT
EL	- ELEVATION
FL	- FLOW LINE
G/E	- GAS LINE EASEMENT
HDPE	- HIGH-DENSITY POLYETHYLENE
L/E	- LANDSCAPE EASEMENT
MSFE	- MINIMUM SERVICEABLE FLOOR ELEVATION
PVC	- POLYVINYL CHLORIDE
P/L	- PROPERTY LINE
PUB/E	- PUBLIC EASEMENT
RCP	- REINFORCED CONCRETE PIPE
ROW or R/W	- RIGHT-OF-WAY
S/E	- SANITARY SEWER EASEMENT
SL	- SERVICE LINE
SW	- SIDEWALK
TE	- TOP ELEVATION
U/E	- UTILITY EASEMENT
WSE	- WATER SURFACE ELEVATION
W/E	- WATERLINE EASEMENT



LOCATION MAP
SCALE 1" = 2000'

MISSOURI DEPARTMENT OF
TRANSPORTATION (MODOT)

Steve Holloway
600 NE Colbern Road
Lee's Summit, MO 64086
(816) 607-2186

Brent Jones
3025 SE Clover Drive
Lee's Summit, MO 64082
(816) 399-9633
brent.jones@spireenergy.com

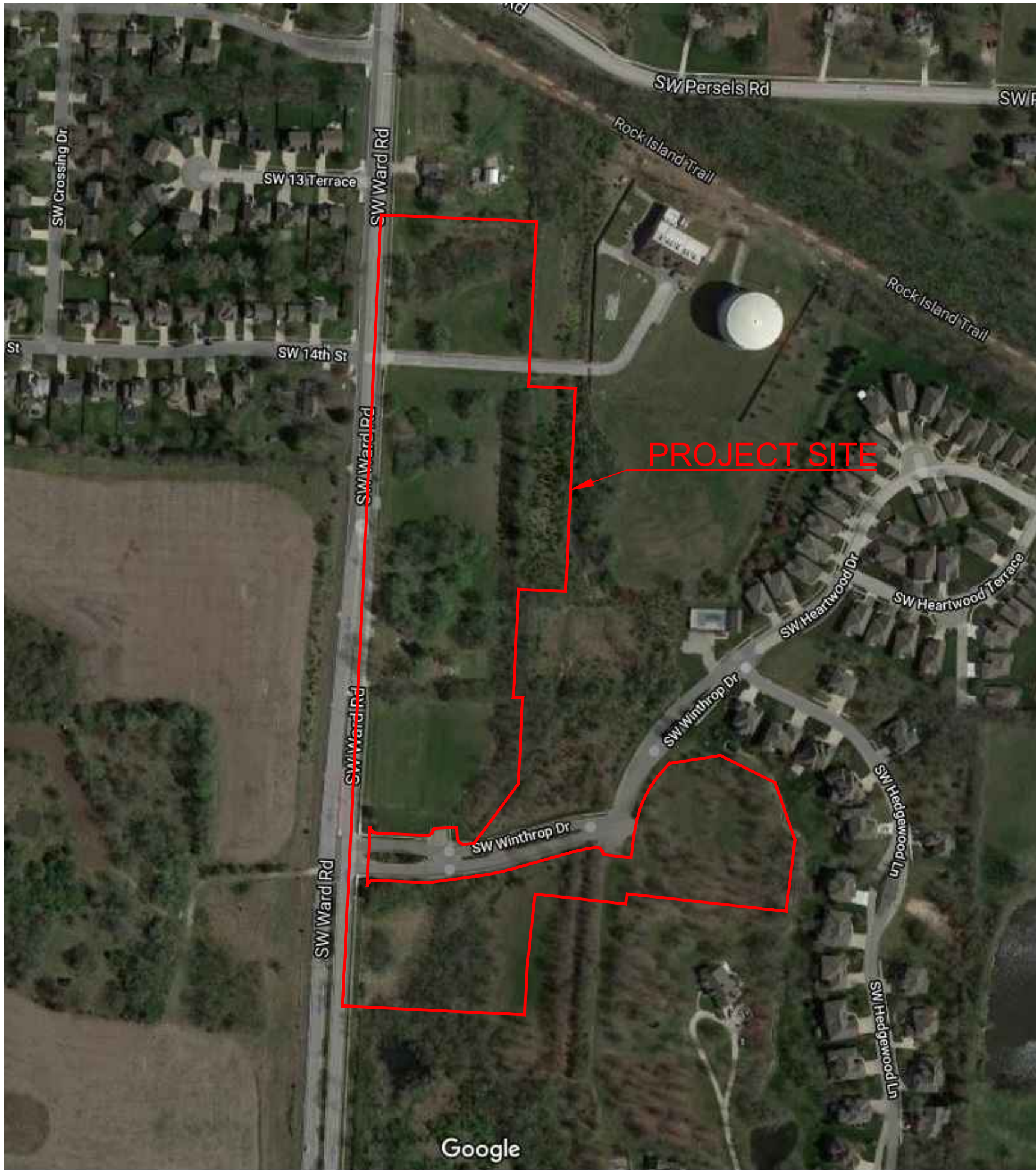
Ron DeJarnette
1300 SE Hamblin Road
Lee's Summit, MO 64081
Office: (816) 347-4316
Cell: (816) 810-5234
ron.dejarnette@kcpl.com

Dena Mezger
220 SE Green Street
Lee's Summit, MO 64063
(816) 969-1800

Mark Manion or Marty Loper
500 E. 8th Street, Room 370
Kansas City, MO 64106
(816) 275-2341 or (816) 275-1550

Barbara Brown
3400 W. Duncan Road
Blue Springs, MO 64015
(816) 795-2255

Mark Schaufler
220 SE Green Street
Lee's Summit, MO 64063
(816) 969-1900



N.T.S.

SUMMARY OF QUANTITIES			
	ITEM	QUANTITY	UNITS
1	CONNECT TO EXISTING MANHOLE	2	EA
2	CONNECT TO EXISTING MAIN	1	EA
3	STANDARD 4' DIA. MANHOLE	13	EA
4	8" PVC SDR-26	2160	LF
5	6" PVC SDR-26	1615	LF
6	8" X 6" WYE CONNECTION	48	EA
7	EXTRA DEPTH IN MANHOLE	131	VF
8	CLEANOUT	1	EA
9	EROSION CONTROL	1	LS
10	BONDS	1	LS
11	ROCK EXCAVATION (ESTIMATION)	500	CY
12	CLEAR AND GRUB	1	LS
13	COMPACTION TESTING	1	LS
14	PREBLAST SURVEY (IF REQUIRED)	1	LS

IN THE CITY OF LEE'S SUMMIT
JACKSON COUNTY, MISSOURI

1. ALL CONSTRUCTION TO FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI.
3. LINEAL FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS, NOT SLOPE MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
4. NO GEOLOGICAL INVESTIGATION HAS BEEN PERFORMED ON THE SITE.
5. THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND APPARENT FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT OF WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 1-800-DIG-RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.
7. PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWING SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. AFTER APPROVAL OF THE SHOP DRAWINGS, A COPY OF THE APPROVED AND SIGNED SHOP DRAWINGS SHALL BE PROVIDED TO THE CITY INSPECTOR UPON REQUEST.
8. THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE.
9. CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
10. ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, OR AS DIRECTED BY THE OWNER.
11. ALL EXCAVATIONS SHALL BE UNCLASSIFIED. NO SEPARATE PAYMENT WILL BE MADE FOR ROCK EXCAVATION.
12. THE CONTRACTOR SHALL CONTROL THE EROSION AND SILTATION DURING ALL PHASED OF CONSTRUCTION, AND SHALL KEEP THE STREETS CLEAN OF MUD AND DEBRIS.
13. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
14. THE CONTRACTOR SHALL CONTACT DEVELOPMENT SERVICES INSPECTOR AT: 816-969-1200 PRIOR TO OBTAIN A DEVELOPMENT SERVICES CONSTRUCTION PERMIT. A MINIMUM 48 HOUR NOTICE SHALL BE GIVEN PRIOR TO PERMIT ISSUANCE.
15. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC HANDLING MEASURES NECESSARY TO ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD-LATEST EDITION).

1. EXISTING UTILITIES HAVE BEEN SHOWN TO THE GREATEST EXTENT POSSIBLE BASED UPON INFORMATION PROVIDED TO THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES AND FIELD LOCATING UTILITIES PRIOR TO CONSTRUCTION AND IDENTIFYING ANY POTENTIAL CONFLICTS. ALL CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY REQUIRED UTILITY RELOCATIONS. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL VERIFY FLOW-LINES AND STRUCTURE TOPS PRIOR TO CONSTRUCTION, AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES. PROVIDE SHOP DRAWINGS FOR ALL PRECAST AND MANUFACTURED UTILITY STRUCTURES FOR REVIEW BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE STRUCTURES.
4. UTILITY SEPARATION: WATERLINES SHALL HAVE A MINIMUM OF 10 FEET HORIZONTAL AND 2 FEET VERTICAL SEPARATION FROM ALL STORM SEWER LINES. IF MINIMUM SEPARATIONS CAN NOT BE OBTAINED, CONCRETE ENCASEMENT OF THE STORM SEWER LINE SHALL BE REQUIRED 10 FEET IN EACH DIRECTION OF THE CONFLICT.
5. PREPARE FOR TRENCHING, BACKFILLING, PIPE EMBEDMENT, FLOWABLE FILL, BACKFILL MATERIALS, CLEAN UP, SEEDING, SODDING AND ANY OTHER ITEMS NECESSARY FOR THE CONSTRUCTION OF THE UTILITY LINE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE UTILITY INSTALLATION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING RESPECTIVE UTILITY COMPANIES 48-HOURS IN ADVANCE FOR THE INSPECTION OF ANY PROPOSED UTILITY MAIN EXTENSION OR SERVICE LINE OR SERVICE CONNECTION TO ANY EXISTING MAIN.
7. EXCESS SPOILS SHALL BE PLACED ONSITE ADJACENT TO THE TRENCH, AND COMPACTED TO PREVENT SATURATION AND EXCESS SEDIMENT RUNOFF. UNSUITABLE MATERIALS, EXCESS ROCK AND SHALE, ASPHALT, CONCRETE, TREES, BRUSH ETC. SHALL BE PROPERLY DISPOSED OF OFFSITE. MATERIALS MAY BE WASTED ONSITE AT THE DIRECTION OF THE OWNER OR HIS APPOINTED REPRESENTATIVE.

NOTE:
TRENCH CHECKS TO BE INSTALL ON
ALL SANITARY SEWER SERVICE LINES
IN ACCORDANCE WITH CITY OF LEES
SUMMIT STANDARDS.

Sheet List Table	
Sheet Number	Sheet Title
1	COVER
2	SAN EROS CONT PLAN
3	SAN EROS CONT PLAN
4	SAN EROS CONT PLAN
5	SAN EROS DET
6	SAN EROS DET
7	GENERAL LAYOUT
8	GRADING PLAN
9	LINE A PLAN AND PROFILE
10	LINE B PLAN AND PROFILE
11	LINE C-D PLAN AND PROFILE
12	SANITARY DETAILS

CITY ENGINEER
APPROVED FOR ONE YEAR FROM THIS DATE

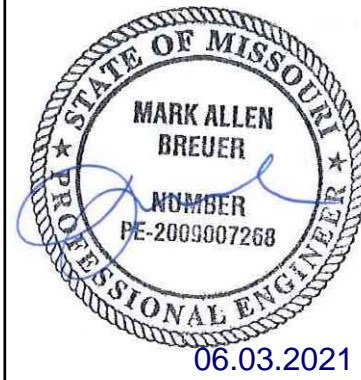
ABP FUNDING, LLC
JOHN DUGGAN
9101 W. 110TH STREET, SUITE 200
OVERLAND PARK, KANSAS 66210
p 913-208-2283
JDUGGAN@KC-DSDLAW.COM

DATE _____

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

SW. CORNER NW. $\frac{1}{4}$ SEC. 18-47N-31W, JACKSON COUNTY, MO
3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
M.D.N.R. DOC. NO. 600-65374

ELEV. 1036.41



WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
1. 4-21-2020	CITY COMMENTS
2. 5-20-2020	CITY COMMENTS
3. 01/12/2021	SCHLAGEL QUANTITIES
4. 05/10/2021	SCH. REGRADE
5. 06/03/2021	ESC SHEETS
6.	
7.	
8.	

COVER

SHEET

1

TEMPORARY STORAGE AREA FOR EXCESS MATERIAL

TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA

CONCRETE WASHOUT AREA

SILT FOAM DIKE OR STRAW WATTLE - STAKED & INSTALL PER MFR'S RECOMMENDATIONS

ROCK DITCH CHECK

STRAW WATTLE OR COIL LOG STAKED & INSTALL PER MFR'S RECOMMENDATIONS

SF1

SILT FENCE (PRIOR TO LAND DISTURBANCE)

SF2

SILT FENCE (DURING CONSTRUCTION)

SILT SOCK / ROCK SOCK / SOCK WATTLE

LIMITS OF DISTURBANCE

965

EXISTING CONTOURS

965

PROPOSED CONTOURS

GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY

1

BMP PLAN REF. NO.

LEGEND

DISTURBED AREA = 9.74 A.C.

SITE SPECIFIC NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
- NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29095C0419G DATED JANUARY 20, 2017.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.
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- AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.

EROSION AND SEDIMENT CONTROL STAGING CHART				
PROJECT STAGE	BMP PLAN REF. NO	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRIOR TO LAND DISTURBANCE	1	CONSTRUCTION ENTRANCE & STAGING AREA	D	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
	2	SILT FENCE 1 (PRIOR TO LAND DISTURBANCE)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	3	EXISTING INLET PROTECTION	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	4	FOAM SILT DIKE OR ROCK DITCH CHECK	E	PLACE WHERE INDICATED AT EXISTING SWALES AND DRAINAGE COURSES
B - MASS GRADING	5	SEDIMENT BASINS (REF. DETAIL ON SHEET 6)	E	TO BE INSTALLED PRIOR TO DISTURBING ENTIRE SITE.
	6	SILT FENCE 2 (DURING CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	7	FOAM SILT DIKE OR STRAW WATTLE/COIL LOG CHECK	E	PLACE WHERE INDICATED AS SOON AS SWALE IS ESTABLISHED, REPAIR OR REPLACE AS NECESSARY
C - UTILITY CONSTRUCTION	8	CONCRETE WASHOUT AREA	E	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
	9	INLET PROTECTION (SILT FENCE)	D/E	PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
D - AFTER PAVING OPERATIONS	10	INLET PROTECTION (GRAVEL FILTER BAGS)	E	BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED
	11	SILT FENCE 2 (AFTER CURB CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	12	SEEDING AND MULCHING	E	ALL DISTURBED AREAS PRIOR TO 14 DAYS OF CONSTRUCTION INACTIVITY
E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT	13			ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.

SCHLAGEL

ENGINEERS

PLANNERS

SURVEYORS

LANDSCAPE ARCHITECTS

14920 West 107th Street • Lenexa, Kansas 66215

(913) 492-5158 • Fax: (913) 492-8400

WWW.SCHLAGELASSOCIATES.COM

Missouri State Certificates of Authority

#E2002003600-F #LAC2001005237 #LS200200859-F

STATE OF MISSOURI

MARK ALLEN BREUER

REGISTERED PROFESSIONAL ENGINEER

NUMBER PE-2003007268

06.03.2021

WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
01/12/2021	SCHLAGEL QUANTITIES
05/10/2021	SCH. REGRADE
06/03/2021	ESC SHEETS

SAN EROS CONT
PLAN

SHEET

2

LEGEND		
	TEMPORARY STORAGE AREA FOR EXCESS MATERIAL	
	TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA	
	CONCRETE WASHOUT AREA	
	SILT FOAM DIKE STAKED & INSTALL PER MFR'S RECOMMENDATIONS	
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	SILT FENCE (PRIOR TO LAND DISTURBANCE)	
	SILT FENCE (DURING CONSTRUCTION)	
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	LIMITS OF DISTURBANCE	
	EXISTING CONTOURS	
	PROPOSED CONTOURS	
	GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY	
	BMP PLAN REF. NO.	

DISTURBED AREA = 9.74 A.C.

SITE SPECIFIC NOTES:

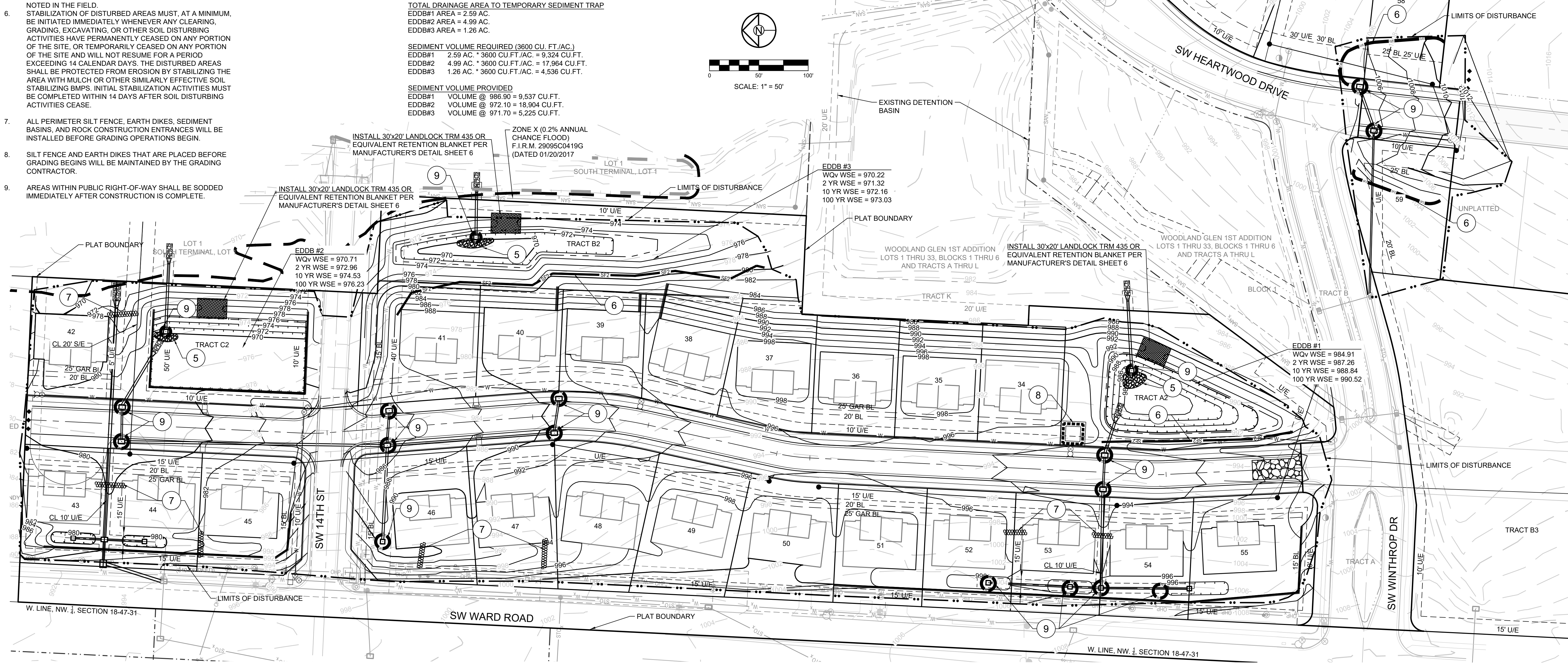
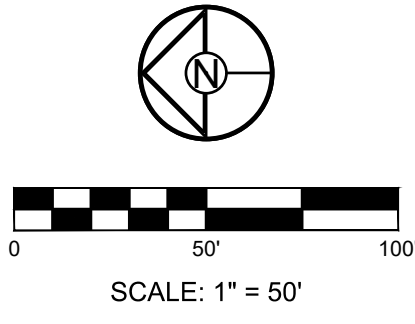
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EROSION AND SEDIMENT CONTROL STAGING CHART				
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TOTAL DRAINAGE AREA TO TEMPORARY SEDIMENT TRAP
EDDB#1 AREA = 2.59 AC.
EDDB#2 AREA = 4.99 AC.
EDDB#3 AREA = 1.26 AC.

SEDIMENT VOLUME REQUIRED (3600 CU. FT./AC.)
EDDB#1 2.59 AC. * 3600 CU.FT./AC. = 9,324 CU.FT.
EDDB#2 4.99 AC. * 3600 CU.FT./AC. = 17,964 CU.FT.
EDDB#3 1.26 AC. * 3600 CU.FT./AC. = 4,536 CU.FT.

SEDIMENT VOLUME PROVIDED
EDDB#1 VOLUME @ 986.90 = 9,537 CU.FT.
EDDB#2 VOLUME @ 972.10 = 18,904 CU.FT.
EDDB#3 VOLUME @ 971.70 = 5,225 CU.FT.



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/07/2021

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
01/12/2021	SCHLAGEL QUANTITIES
05/10/2021	SCH. REGRADE
06/03/2021	ESC SHEETS
2-20-2020	
PROJ. NUMBER:	18-017

SAN EROS CONT
PLAN

SHEET

TEMPORARY STORAGE AREA FOR EXCESS MATERIAL

TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA

CONCRETE WASHOUT AREA

SILT FOAM DIKE OR STRAW WATTLE - STAKED & INSTALL PER MFR'S RECOMMENDATIONS

ROCK DITCH CHECK

STRAW WATTLE OR COIL LOG STAKED & INSTALL PER MFR'S RECOMMENDATIONS

SF1

SILT FENCE (PRIOR TO LAND DISTURBANCE)

SF2

SILT FENCE (DURING CONSTRUCTION)

SILT SOCK / ROCK SOCK / SOCK WATTLE

LIMITS OF DISTURBANCE

965

EXISTING CONTOURS

965

PROPOSED CONTOURS

GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY

1

BMP PLAN REF. NO.

LEGEND

DISTURBED AREA = 9.74 A.C.

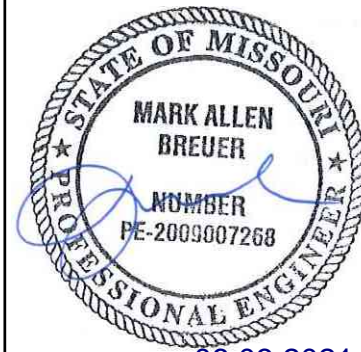
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- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.
- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.
- AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.

EROSION AND SEDIMENT CONTROL STAGING CHART				
PROJECT STAGE	BMP PLAN REF. NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRIOR TO LAND DISTURBANCE	1	CONSTRUCTION ENTRANCE & STAGING AREA	D	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
	2	SILT FENCE 1 (PRIOR TO LAND DISTURBANCE)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	3	EXISTING INLET PROTECTION	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	4	FOAM SILT DIKE OR ROCK DITCH CHECK AND SEDIMENT TRAPS	E	PLACE WHERE INDICATED AT EXISTING SWALES AND DRAINAGE COURSES
B - MASS GRADING	5	SEDIMENT BASIN (REF. DETAIL ON SHEET 6)	E	TO BE INSTALLED PRIOR TO DISTURBING ENTIRE SITE.
	6	SILT FENCE 2 (DURING CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
C - UTILITY CONSTRUCTION	7	FOAM SILT DIKE OR STRAW WATTLE/COIL LOG CHECK	E	PLACE WHERE INDICATED AS SOON AS SWALE IS ESTABLISHED, REPAIR OR REPLACE AS NECESSARY
	8	CONCRETE WASHOUT AREA	E	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
D - AFTER PAVING OPERATIONS	9	INLET PROTECTION (SILT FENCE)	D/E	PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	10	INLET PROTECTION (GRAVEL FILTER BAGS)	E	BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED
	11	SILT FENCE 2 (AFTER CURB CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT	12	SEEDING AND MULCHING	E	ALL DISTURBED AREAS AFTER PRIOR TO 14 DAYS OF CONSTRUCTION INACTIVITY
	13			ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.

The main site plan illustrates the layout of the project area, divided into Tracts A through K. It shows individual lots, their numbers, and various erosion and sediment control (ESC) measures. Key features include:
 - **Tracts and Lots:** Tracts A, B, C, D, E, F, G, H, I, J, and K are delineated. Lots are numbered throughout the site, including 42, 43, 44, 45, 39, 40, 41, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1.
 - **ESC Measures:** The plan shows the placement of silt fences (SF1, SF2), sediment basins (EDDB #1, #2, #3), washout areas, and other BMPs as defined in the staging chart.
 - **Topography and Utilities:** Contour lines are shown with elevations (e.g., 965, 970, 975, 980, 985, 990, 995, 1000, 1005, 1010, 1015, 1020, 1025, 1030, 1035, 1040, 1045, 1050, 1055, 1060, 1065, 1070, 1075, 1080, 1085, 1090, 1095, 1100, 1105, 1110, 1115, 1120, 1125, 1130, 1135, 1140, 1145, 1150, 1155, 1160, 1165, 1170, 1175, 1180, 1185, 1190, 1195, 1200, 1205, 1210, 1215, 1220, 1225, 1230, 1235, 1240, 1245, 1250, 1255, 1260, 1265, 1270, 1275, 1280, 1285, 1290, 1295, 1300, 1305, 1310, 1315, 1320, 1325, 1330, 1335, 1340, 1345, 1350, 1355, 1360, 1365, 1370, 1375, 1380, 1385, 1390, 1395, 1400, 1405, 1410, 1415, 1420, 1425, 1430, 1435, 1440, 1445, 1450, 1455, 1460, 1465, 1470, 1475, 1480, 1485, 1490, 1495, 1500, 1505, 1510, 1515, 1520, 1525, 1530, 1535, 1540, 1545, 1550, 1555, 1560, 1565, 1570, 1575, 1580, 1585, 1590, 1595, 1600, 1605, 1610, 1615, 1620, 1625, 1630, 1635, 1640, 1645, 1650, 1655, 1660, 1665, 1670, 1675, 1680, 1685, 1690, 1695, 1700, 1705, 1710, 1715, 1720, 1725, 1730, 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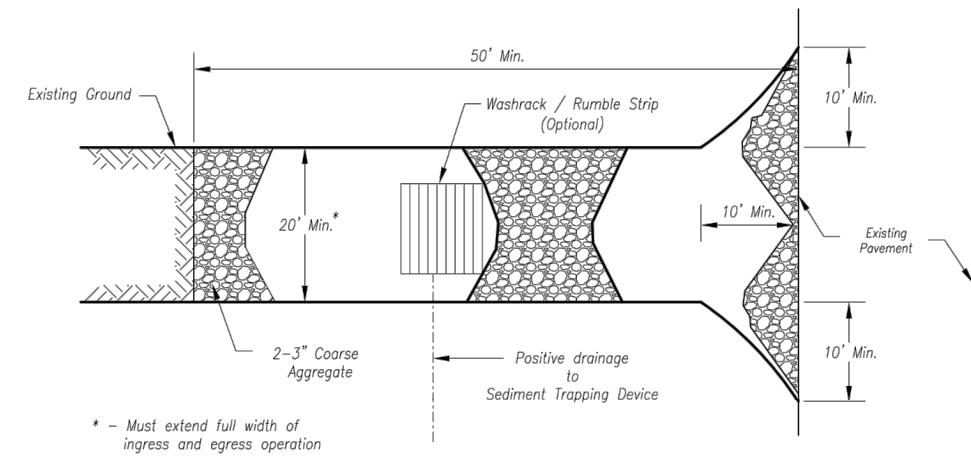
PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

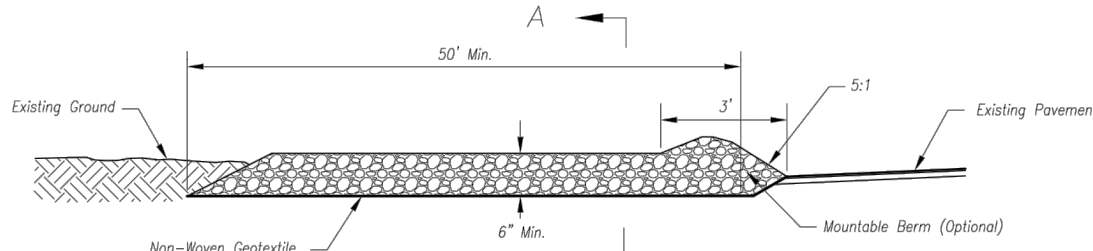
WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/07/2021



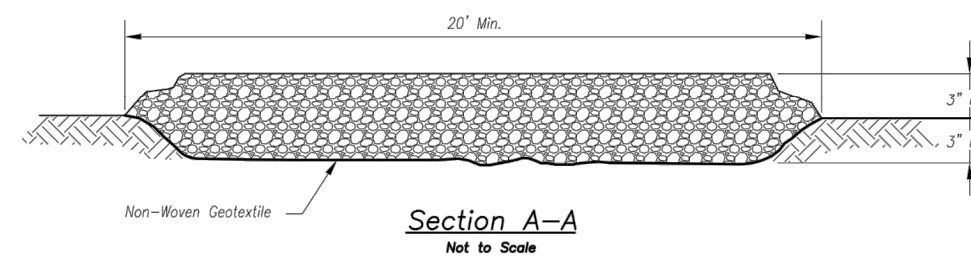
Plan View

Not to Scale



Side Elevation

Not to Scale



Section A-A

Not to Scale

Notes for Construction Entrance:

1. Avoid locating on steep slopes, at curves on public roads, or downhill of disturbed area.
2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
3. If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 36\"/>
4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
5. Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
6. Divert all surface runoff and drainage from the entrance to a sediment control device.
7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrance:

1. Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

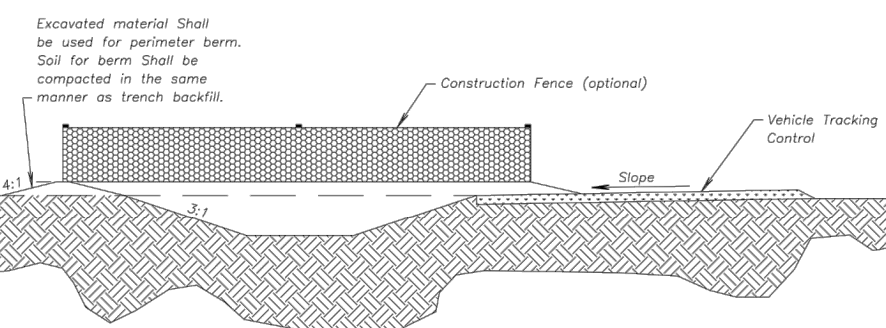
CONSTRUCTION ENTRANCE

Notes for Concrete Washout:

1. Concrete washout areas shall be installed prior to any concrete placement on site.
2. Concrete washout area shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slopes leading out of the subsurface pit shall be 3:1. The vehicle tracking pit shall be sloped towards the concrete washout area.
3. Vehicle tracking control is required at the access point to all concrete washout areas.
4. Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
5. A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for washed concrete.
3. Concrete washout water, washed pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
4. Concrete washout areas shall remain in place until all concrete for the project is placed.
5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topsoil, any disturbed area associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



CONCRETE WASHOUT

AMERICAN PUBLIC WORKS ASSOCIATION

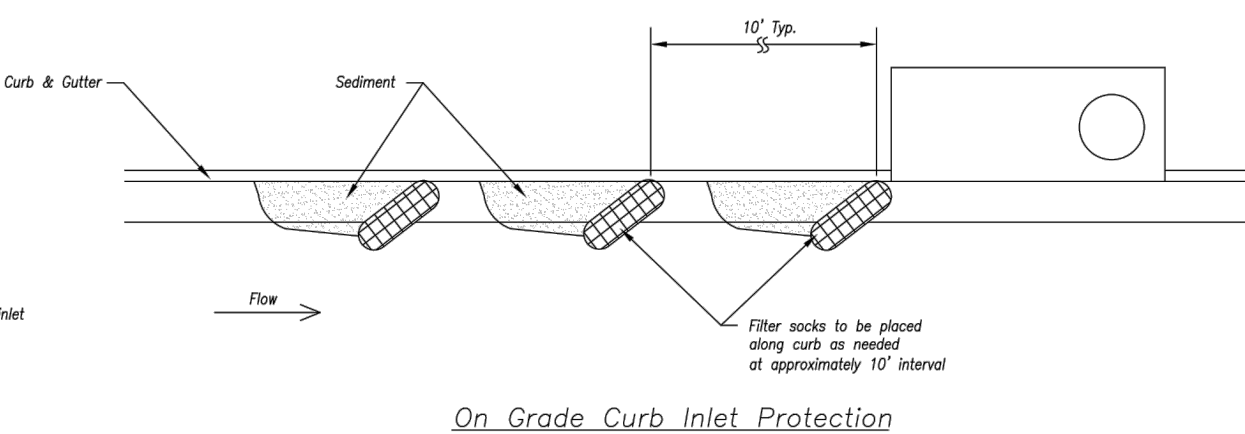
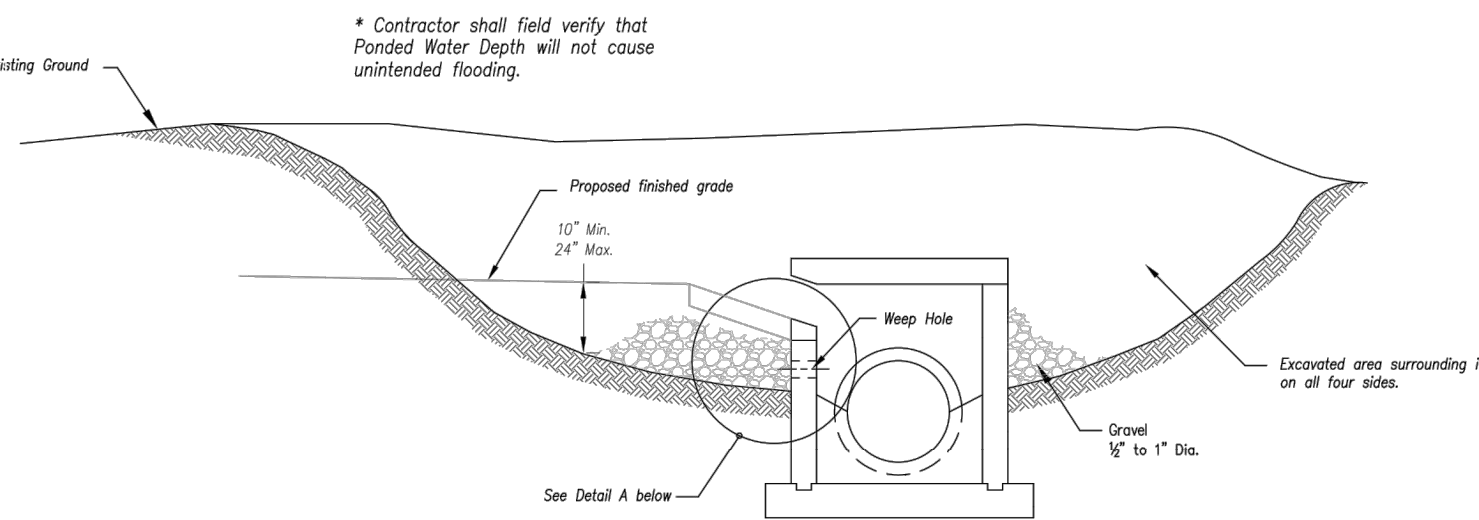


KANSAS CITY
METRO CHAPTER

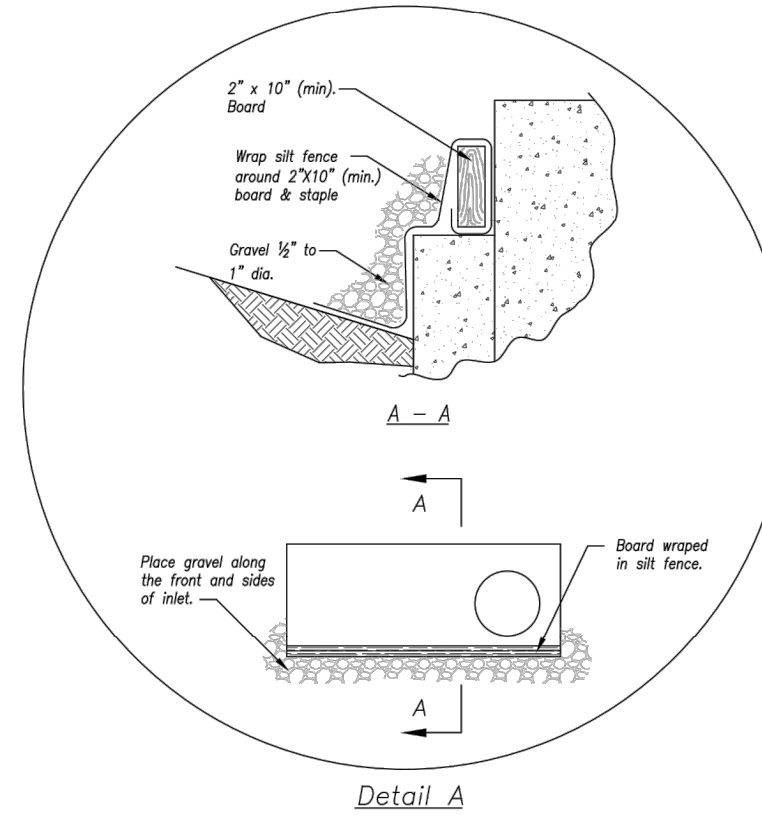
CONSTRUCTION ENTRANCE
AND CONCRETE WASHOUT

STANDARD DRAWING
NUMBER ESC-01
ADOPTED:
10/24/2016

Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control; Concrete Washout modified from 2009 City of Great Bend Standard Drawings.



On Grade Curb Inlet Protection



Detail A

EARLY STAGE CURB INLET

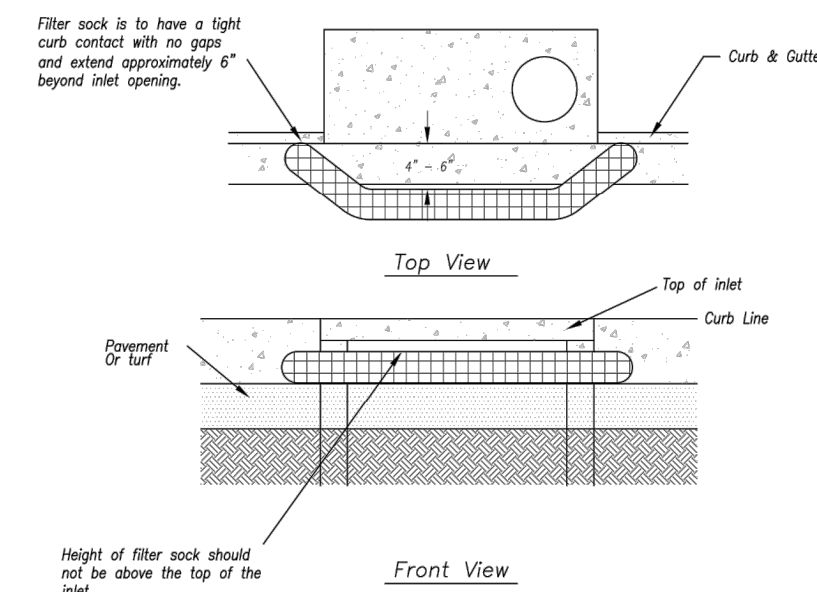
(Open Box and Prior to Pouring
Curb and Inlet Throat)

Notes:

1. Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2\"/>
2. When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Straw wattles are not approved for curb inlet use.
3. Contractor to field verify pouring water shall not create a traffic hazard.

Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.



Front View

Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

AMERICAN PUBLIC WORKS ASSOCIATION

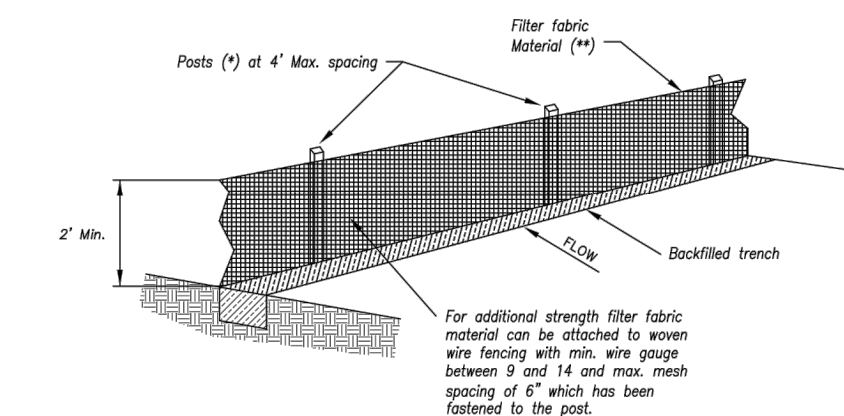


KANSAS CITY
METRO CHAPTER

CURB INLET PROTECTION

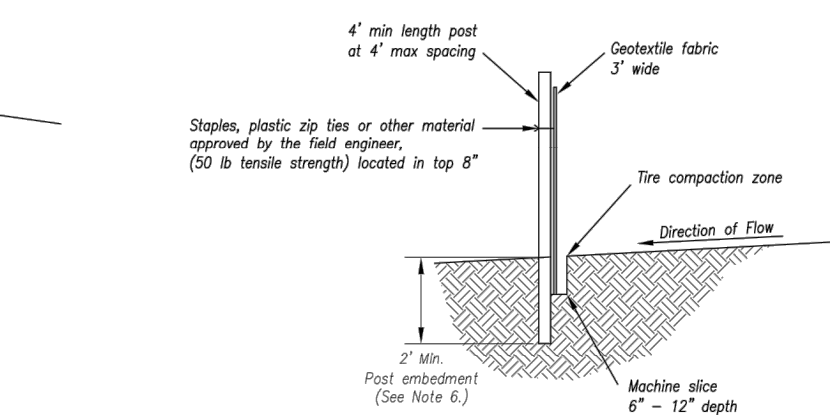
STANDARD DRAWING
NUMBER ESC-06
ADOPTED:
10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



- (*) POSTS
- MIN. LENGTH 4'
 - HARDWOOD 1 1/2\"/>
 - 3/4\"/>
 - STEEL 1.33 LB/FT

(**) - Geotextile Fabric shall meet the requirements of ASTM D6888



SILT FENCE DETAILS

Not to Scale

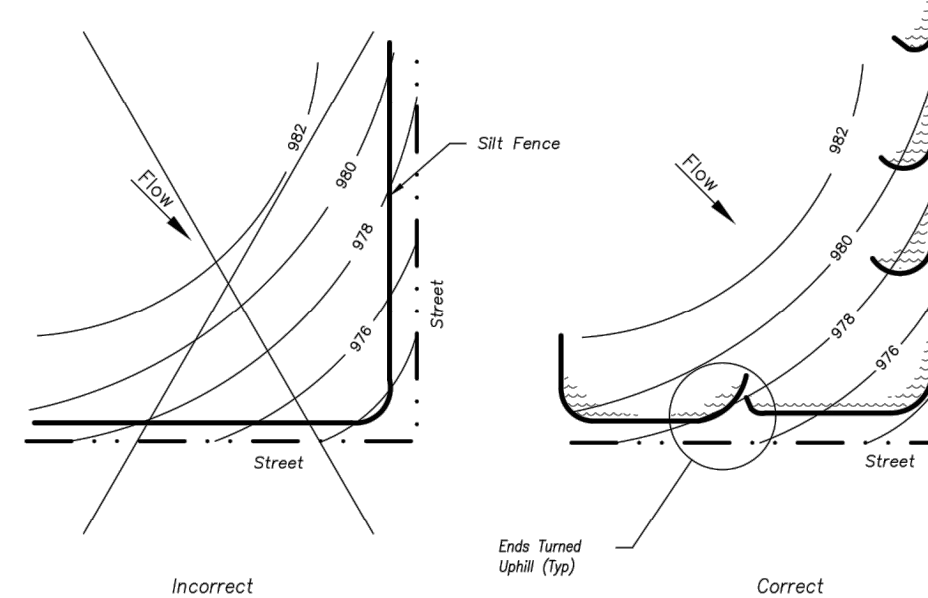
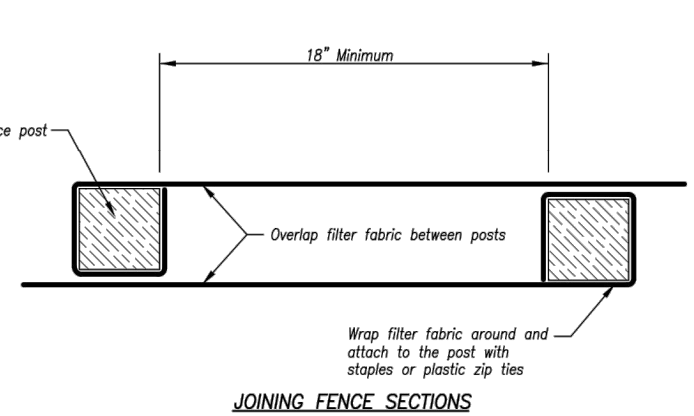
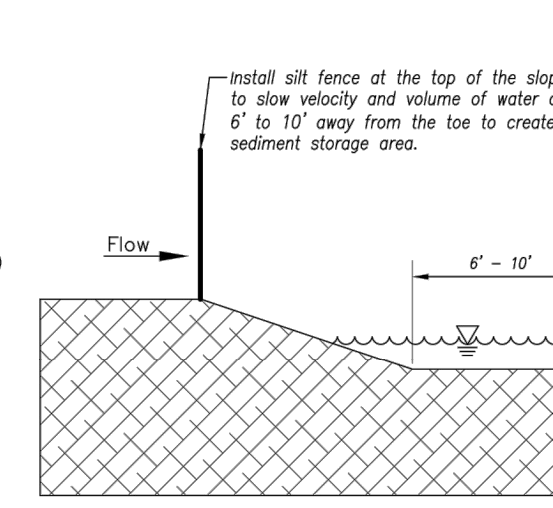


Figure A

SILT FENCE LAYOUT

Not to Scale



JOINING FENCE SECTIONS

Not to Scale

Notes:

1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
4. Attach fabric to upstream side of post.
5. Install posts a minimum of 2' into the ground.
6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

Maintenance:

1. Remove and dispose of sediment deposits when the deposit approaches 1/2 the height of silt fence.
2. Repair as necessary to maintain function and structure.

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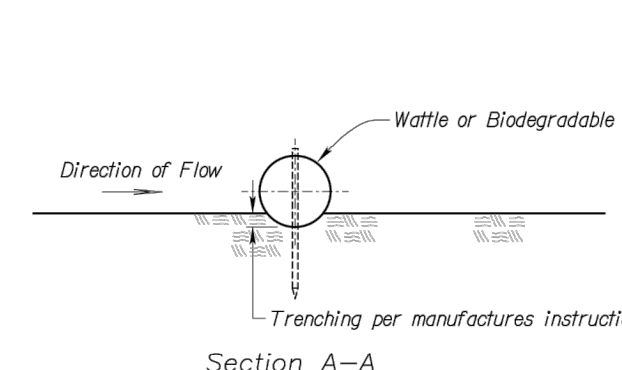


KANSAS CITY
METRO CHAPTER

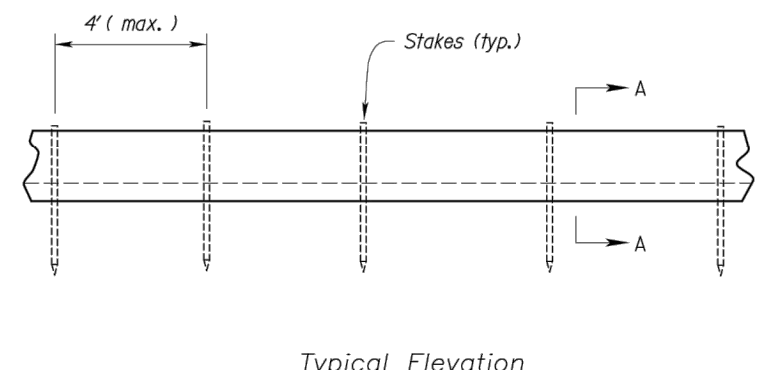
SILT FENCE

STANDARD DRAWING
NUMBER ESC-03
ADOPTED:
10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



Section A-A



Typical Elevation

WATTLES AND BIODEGRADABLE LOG

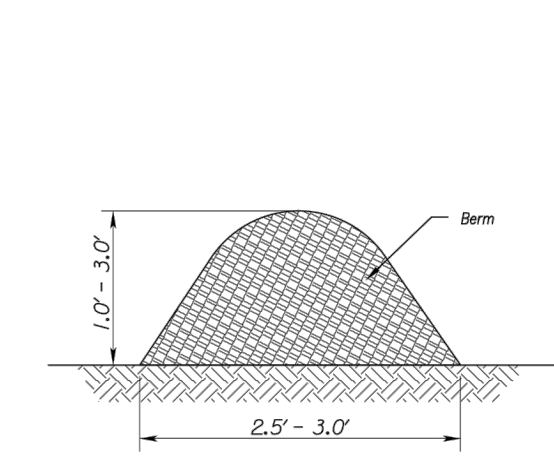


Figure 1

(Perimeter Control)

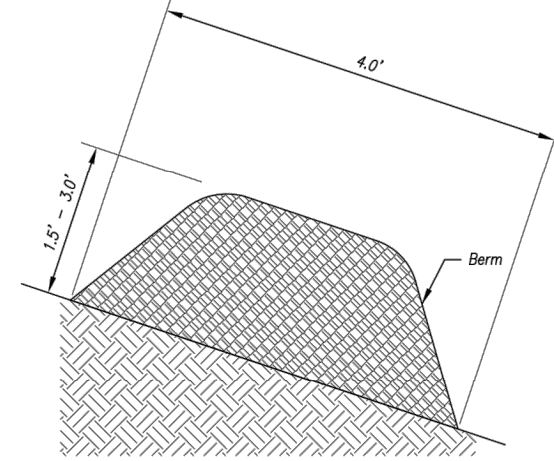


Figure 2

(Steep Slopes)

MULCH OR COMPOST FILTER BERMS

Notes for Wattles and Biodegradable Log Slope Protection:

1. The Slope barriers shall be placed along contour lines, with a short section turned up grade at each end of the barrier. The maximum length of the slope barrier shall not exceed 250 feet, and the barrier ends need to be staggered.
2. Install wattles and biodegradable logs per manufacturer's instructions.
3. Spacing of stakes per manufacturer's instructions with 4' max. spacing. Length of stakes shall be a minimum of 2 times the diameter of the log with minimum of 24\"/>

Notes for Mulch and Compost Filter Berm:

1. The sediment control berm shall be placed uncompact in a windrow at locations shown on the plans or as directed by the engineer.
2. Parallel to the base of the slope, or around the perimeter of other affected areas, construct a 1 to 3 foot high by 2.5 to 3 foot wide berm (see Figure 1). For maximum water treatment ability or for steep slopes, construct a 1.5 to 3 foot high trapezoidal berm that is a minimum of 4 feet wide at the base (see Figure 2). In extreme conditions, or where specified by the engineer, a second berm shall be constructed at the top of the slope. Engineer will specify berm requirements.
3. If berm is to be left as permanent or part of the natural landscape, the compost berm may be seeded during application for permanent vegetation.
4. Do not use compost or wood mulch berms in any runoff channels or concentrated flow areas.
5. Wood mulch shall consist of tree and shrub debris resulting from clearing and grubbing and shall be ground by the mechanical means such as a chipper, hammermill, tub grinder or other approved method. Mulch adding varies with a maximum width of 2\"/>

Maintenance for Mulch and Compost Filter Berm:

1. Berm shall be reshaped and material added as necessary to maintain function and dimensions.
2. Breaches in the berm shall be repaired promptly.

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KANSAS CITY
METRO CHAPTER

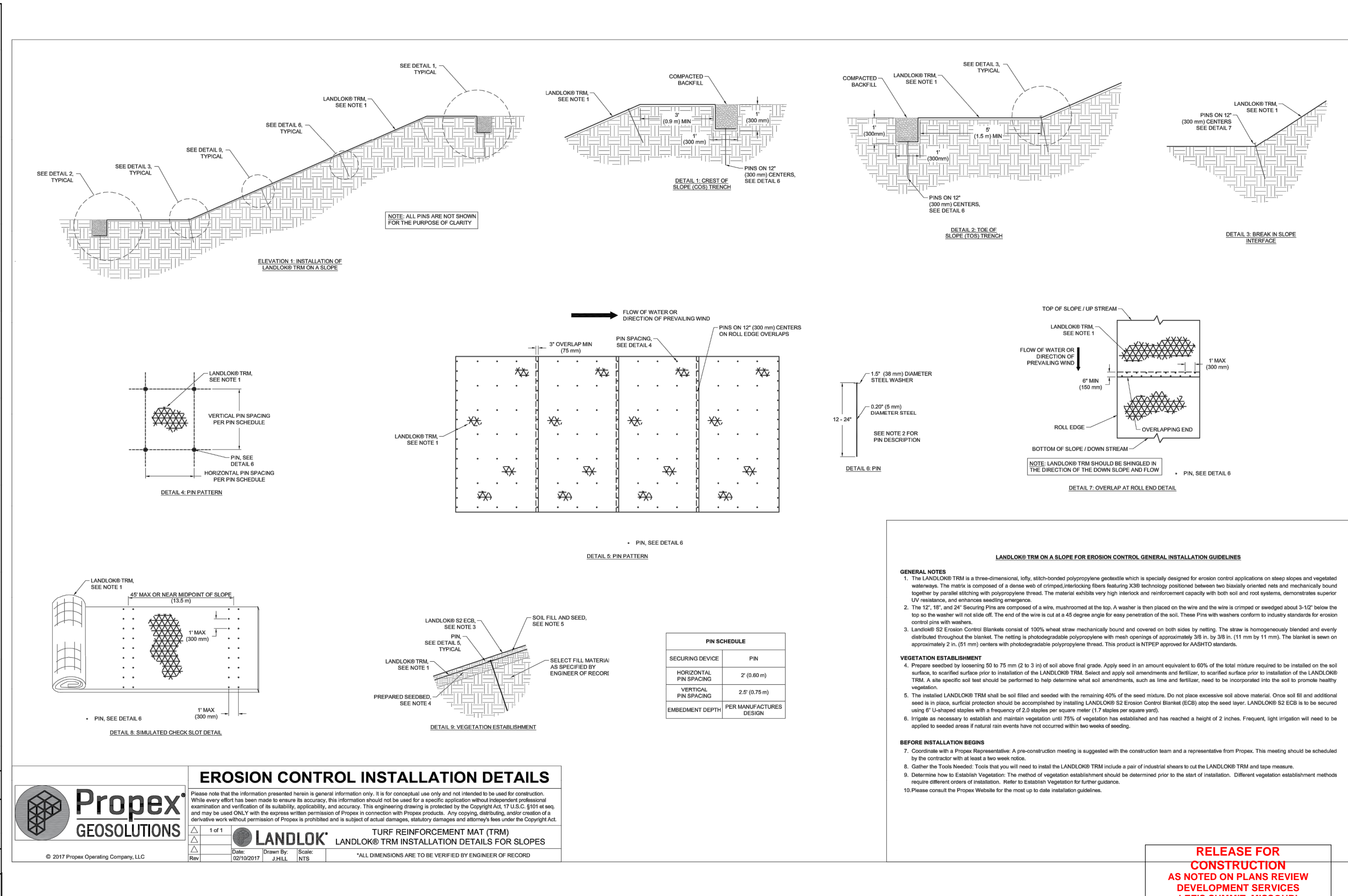
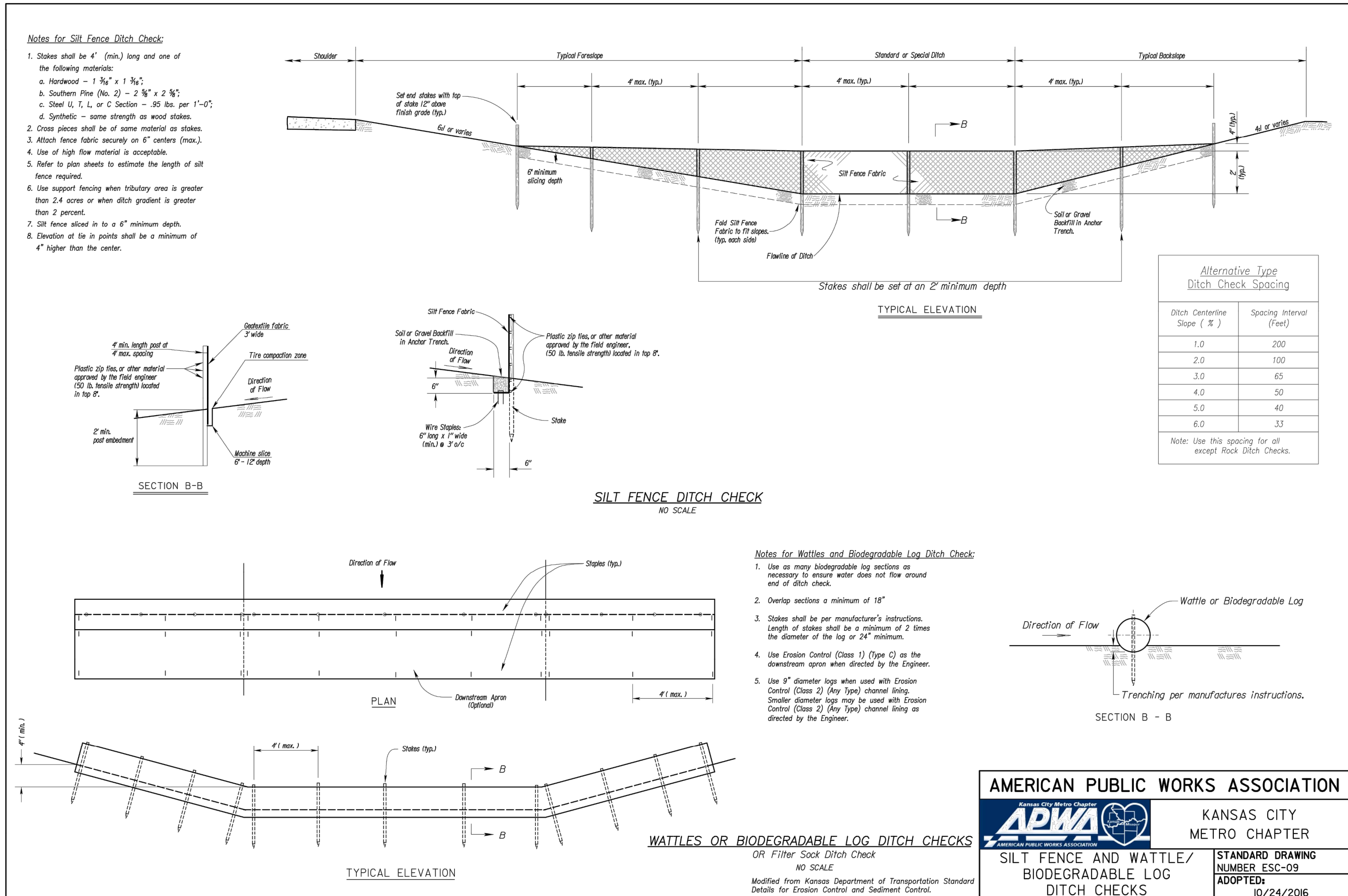
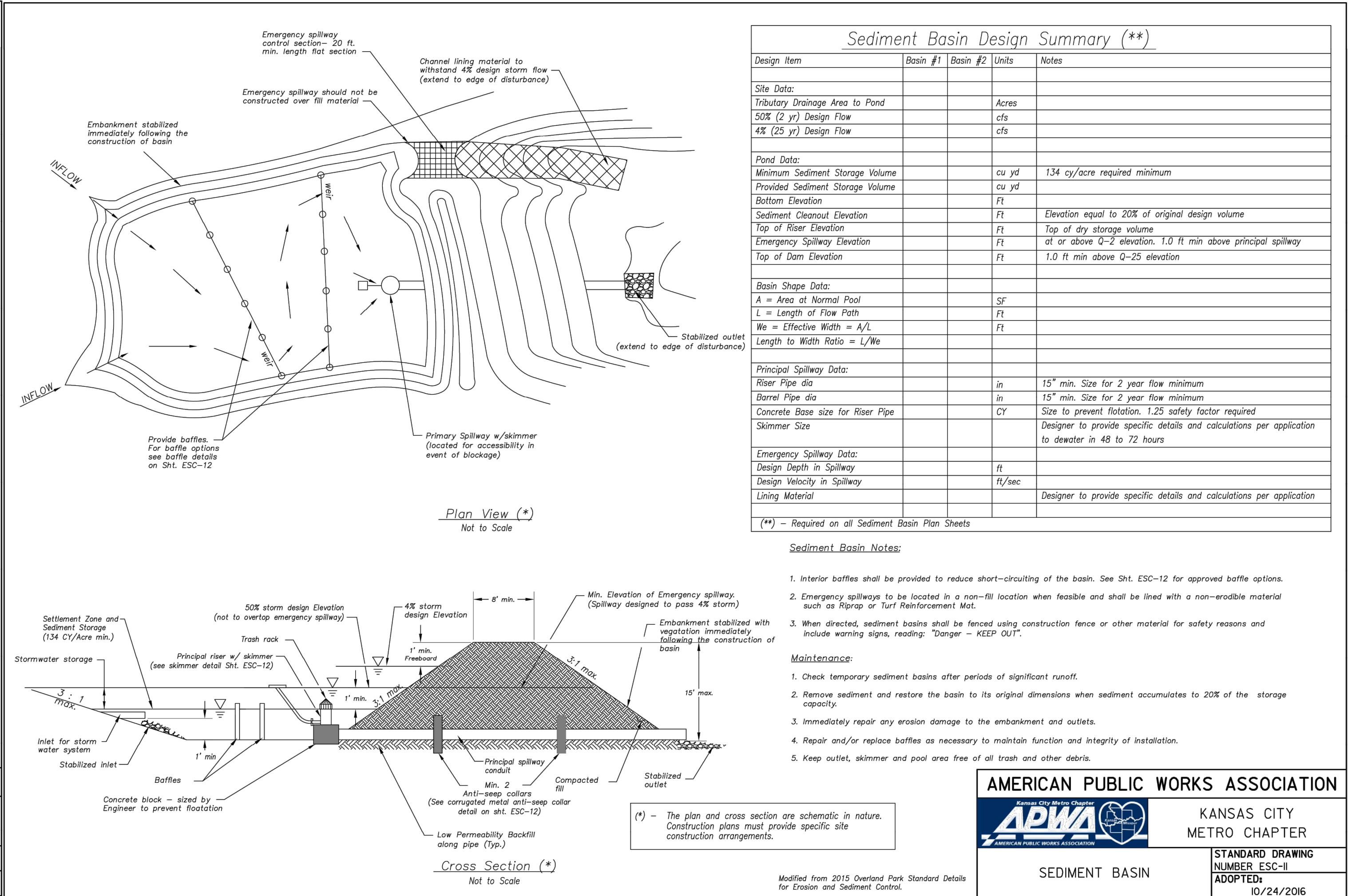
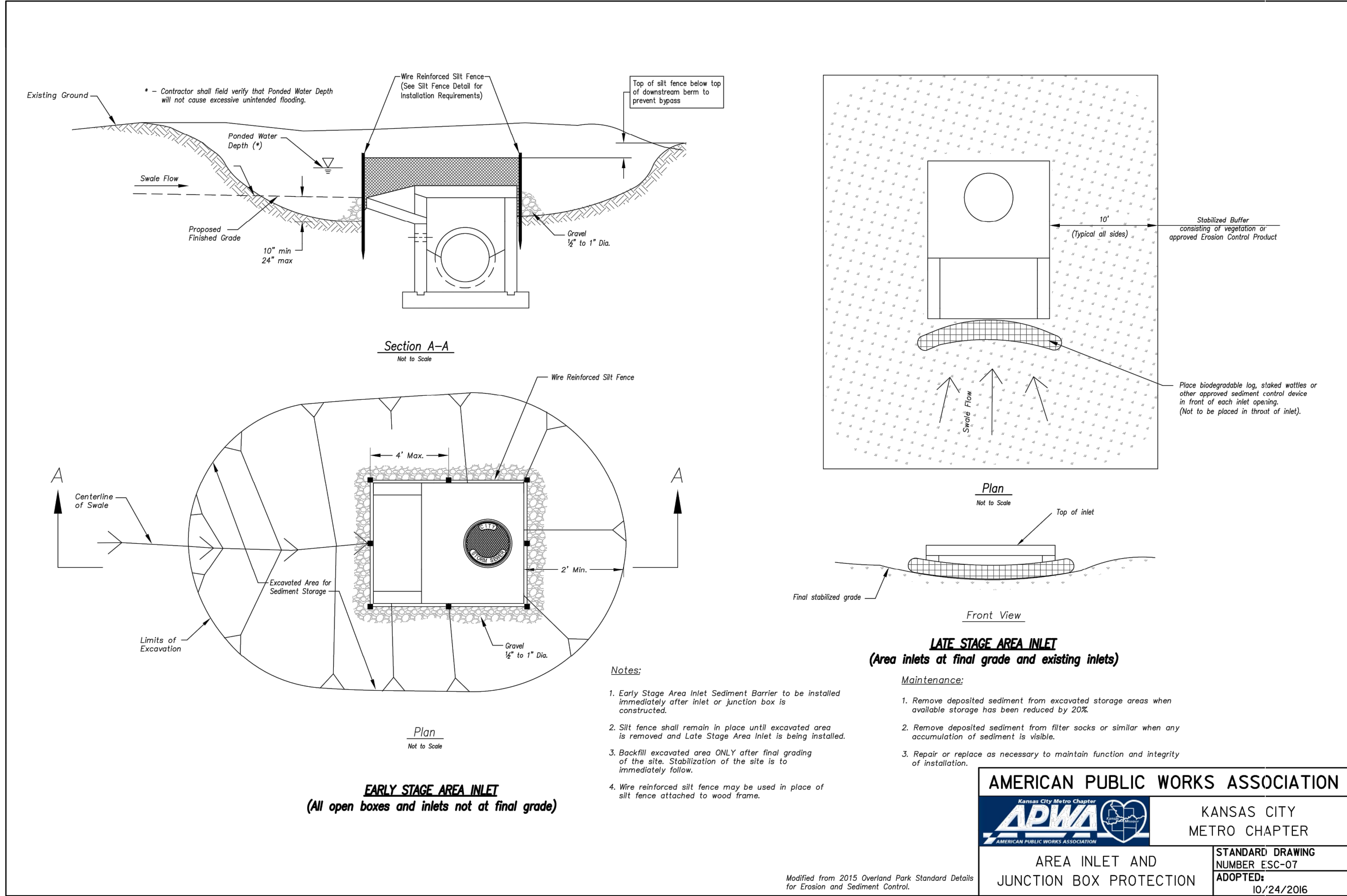
WATTLES/Biodegradable LOG
AND
MULCH/COMPOST FILTER BERM

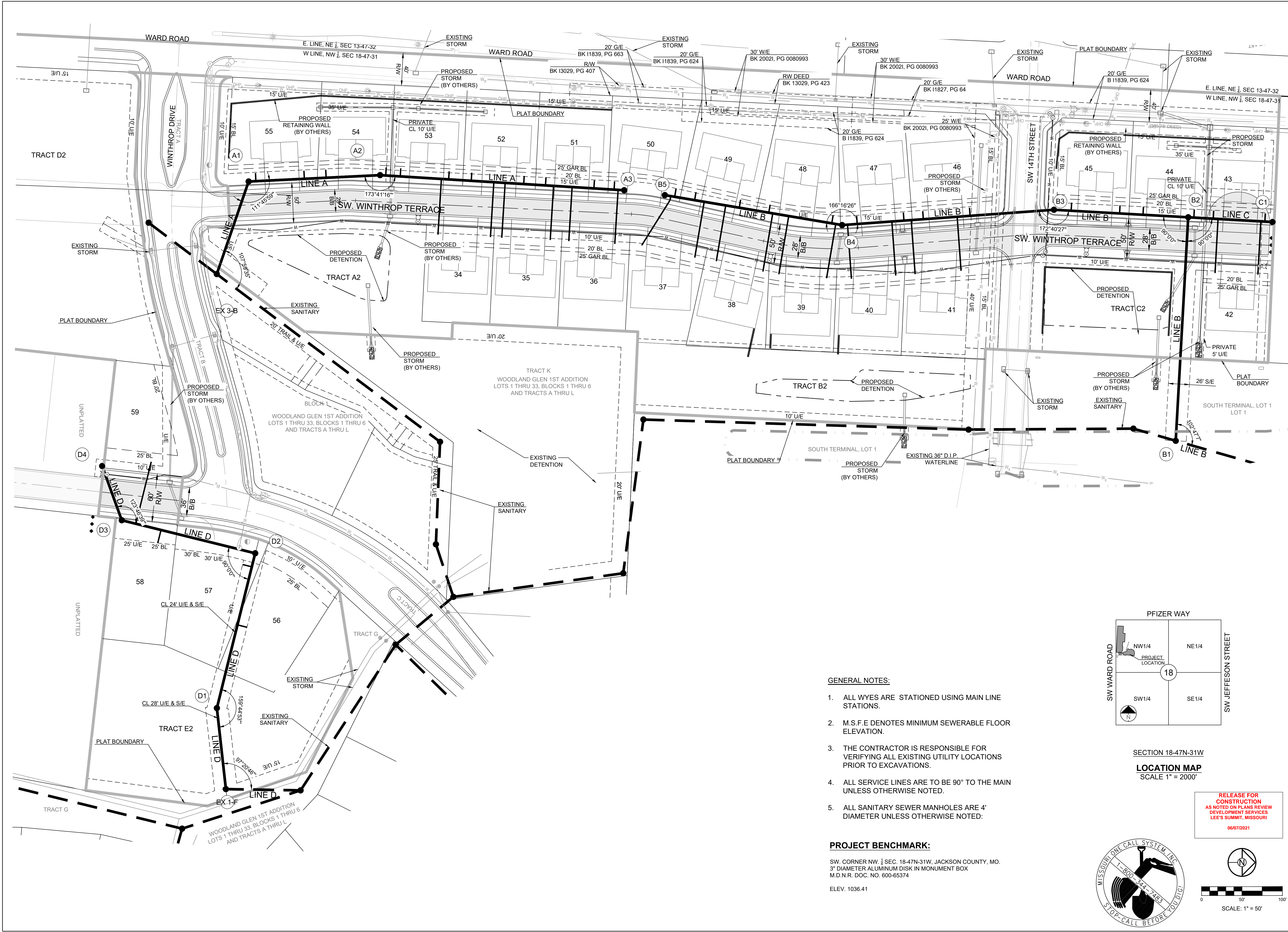
STANDARD DRAWING
NUMBER ESC-04
ADOPTED:
10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

SHEET

5



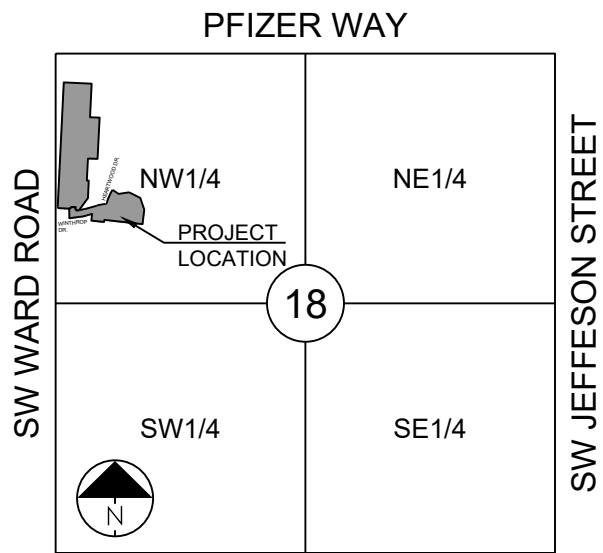


GENERAL NOTES:

- ALL WYES ARE STATIONED USING MAIN LINE STATIONS.
- M.S.F.E DENOTES MINIMUM SEWERABLE FLOOR ELEVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATIONS.
- ALL SERVICE LINES ARE TO BE 90° TO THE MAIN UNLESS OTHERWISE NOTED.
- ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED:

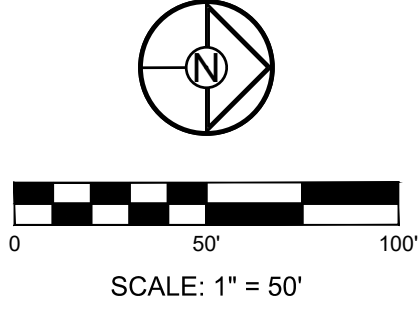
PROJECT BENCHMARK:

SW. CORNER NW 1/4 SEC. 18-47N-31W, JACKSON COUNTY, MO.
3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
M.D.N.R. DOC. NO. 600-65374
ELEV. 1036.41



SECTION 18-47N-31W
LOCATION MAP
SCALE 1" = 2000'

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/07/2021



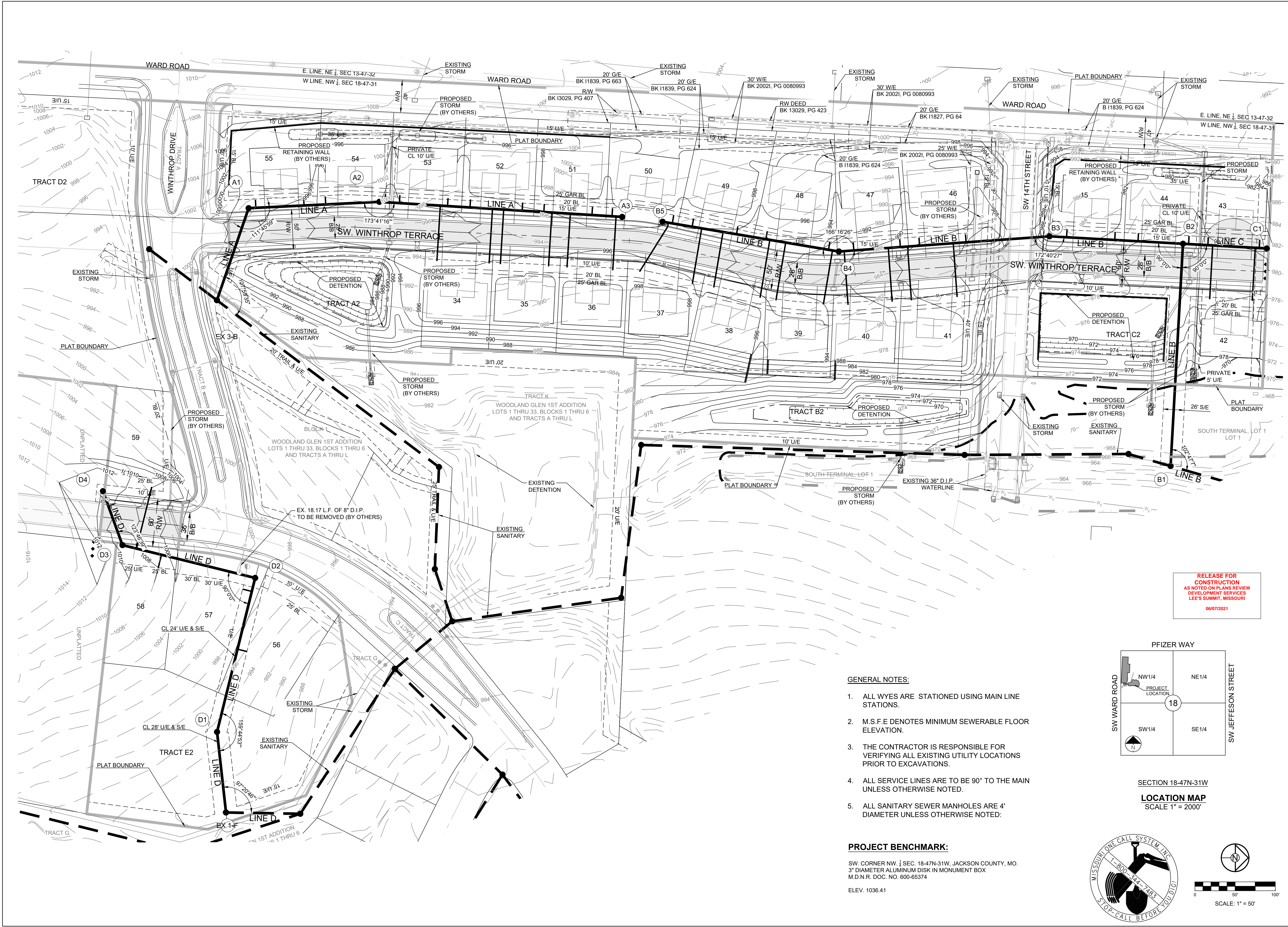
WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
01/12/2021	SCHLAGEL QUANTITIES
05/10/2021	SCH. REGRADE
06/03/2021	ESC SHEETS

DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	2-20-2020
PROJ. NUMBER:	18-017

GENERAL LAYOUT

SHEET

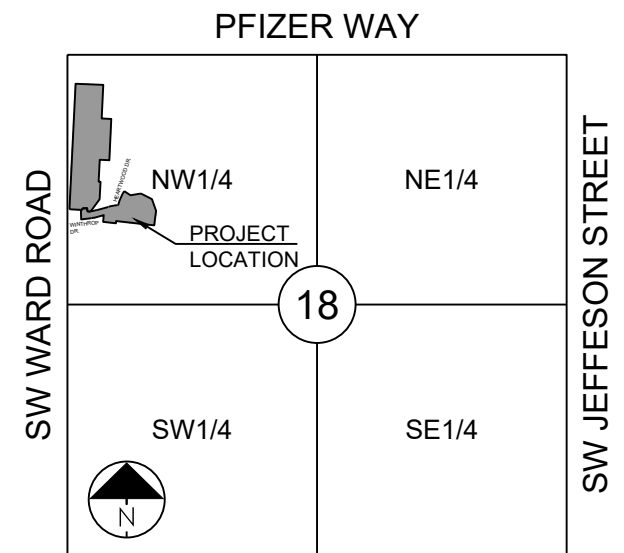


GENERAL NOTES:

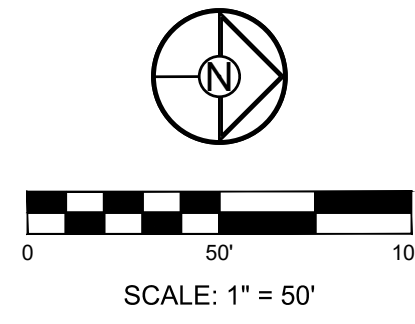
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M.D.N.R. DOC. NO. 600-65374
ELEV. 1036.41



SECTION 18-47N-31W
LOCATION MAP
SCALE 1" = 2000'



SCHLAGEL

ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS

14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5151 • Fax: (913) 492-8400
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Missouri State Certificates of Authority
#E2002003600-F #LAC2001005237 #LS200200859-F

STATE OF MISSOURI

MARK ALLEN BREUER

PROFESSIONAL ENGINEER

NUMBER PE-2003007268

06.03.2021

WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI

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2-20-2020	
PROJ. NUMBER:	18-017

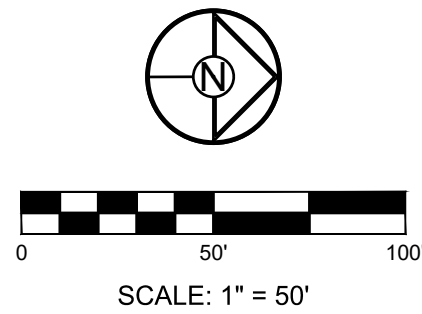
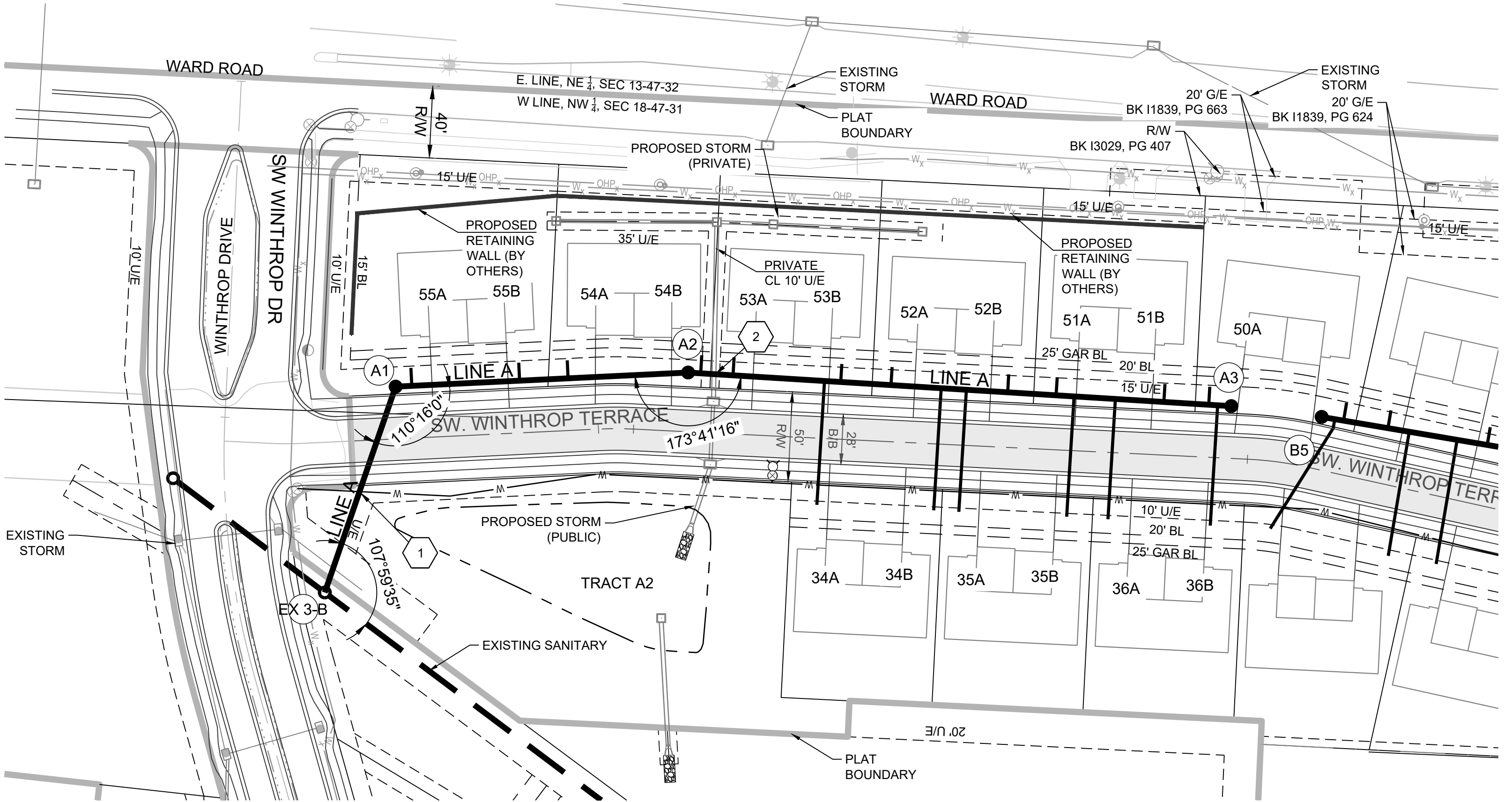
GRADING PLAN

SHEET

Lot No.	WYE STA	Stub		Riser	EOS Elev	MSFE Elev	Cleanout
		Length (L.F.)	Slope (%)				
34A	359.84	69	1.30	0.00	984.76	987.76	NO
34B	424.84	68	1.30	0.00	985.33	988.33	NO
35A	438.84	67	1.30	2.00	986.85	989.85	NO
35B	498.84	67	1.30	0.00	985.99	988.99	NO
36A	521.84	67	1.30	0.00	986.19	989.19	NO
36B	578.84	67	1.30	0.00	986.71	989.71	NO
50A	573.84	8	1.30	3.00	988.01	991.01	NO
51B	548.84	9	1.30	2.00	987.09	990.09	NO
51A	488.84	9	1.30	2.00	986.55	989.55	NO
52B	461.84	10	1.30	0.00	984.91	987.91	NO
52A	396.84	10	1.30	0.00	984.33	987.33	NO
53B	368.84	10	1.30	0.00	984.07	987.07	NO
53A	308.84	10	1.30	0.00	983.53	986.53	NO
54B	290.84	10	1.30	0.00	983.37	986.37	NO
54A	217.03	9	1.30	2.00	983.81	986.81	NO
55B	190.03	6	1.30	6.00	986.32	989.32	NO
55A	130.03	6	1.30	6.00	985.70	988.70	NO

SANITARY CROSSING TABLE						
ID	SAN ELEV.	STORM/WATER ELEV.	SAN SIZE	STORM/WATER SIZE	VERTICAL SEPARATION	RCE/CRCE REQUIRED?
1	978.97	991.38	8" PCV	8" PVC	11.68	NO
2	982.58	988.78	8" PCV	15" HDPE	5.49	NO

Structure Table		
Structure Name	Structure Northing	Structure Easting
A1	992504.4316	2818397.8530
A2	992667.0525	2818389.9810
A3	992969.0240	2818408.6667
EX 3-B	992465.0382	2818512.2921

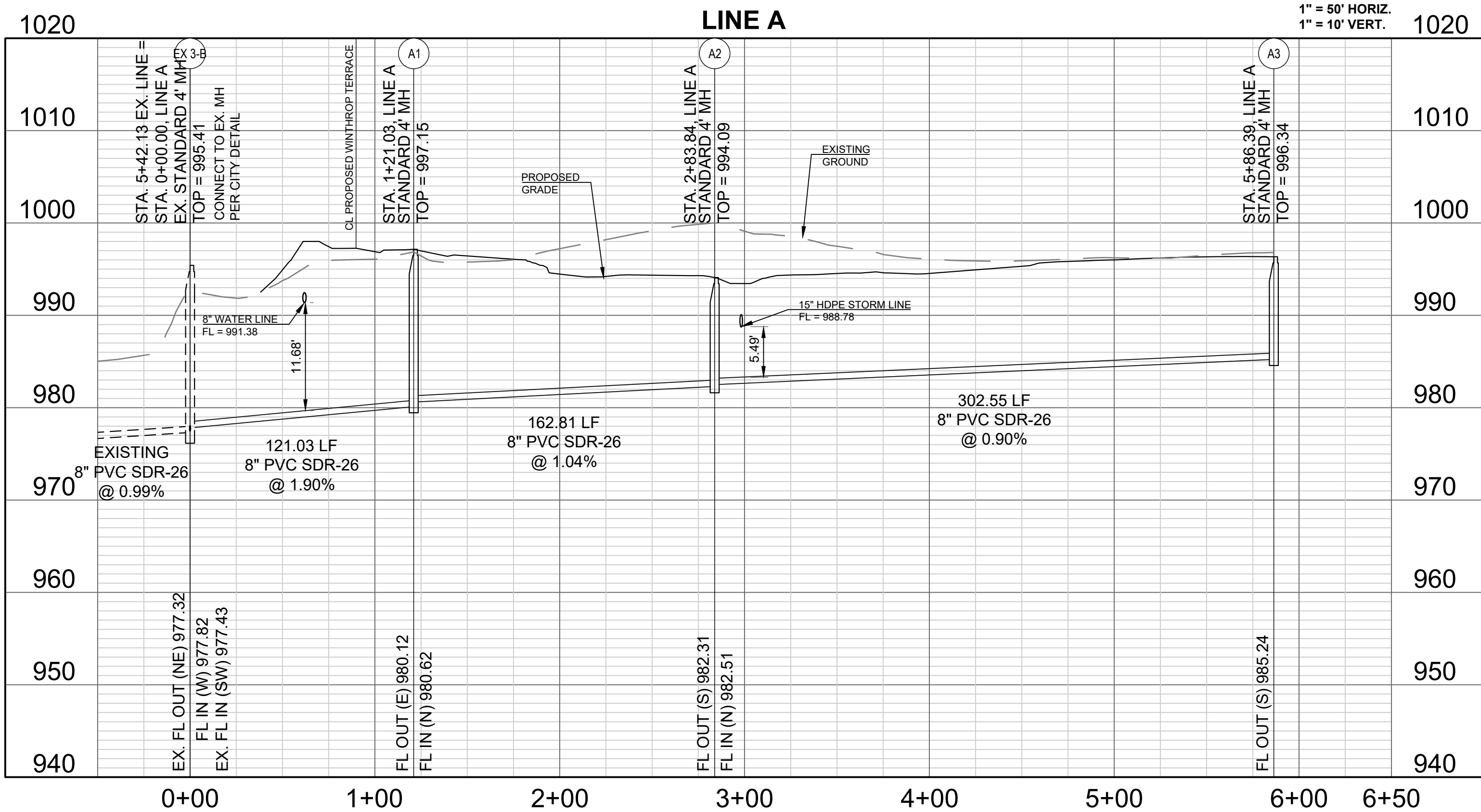


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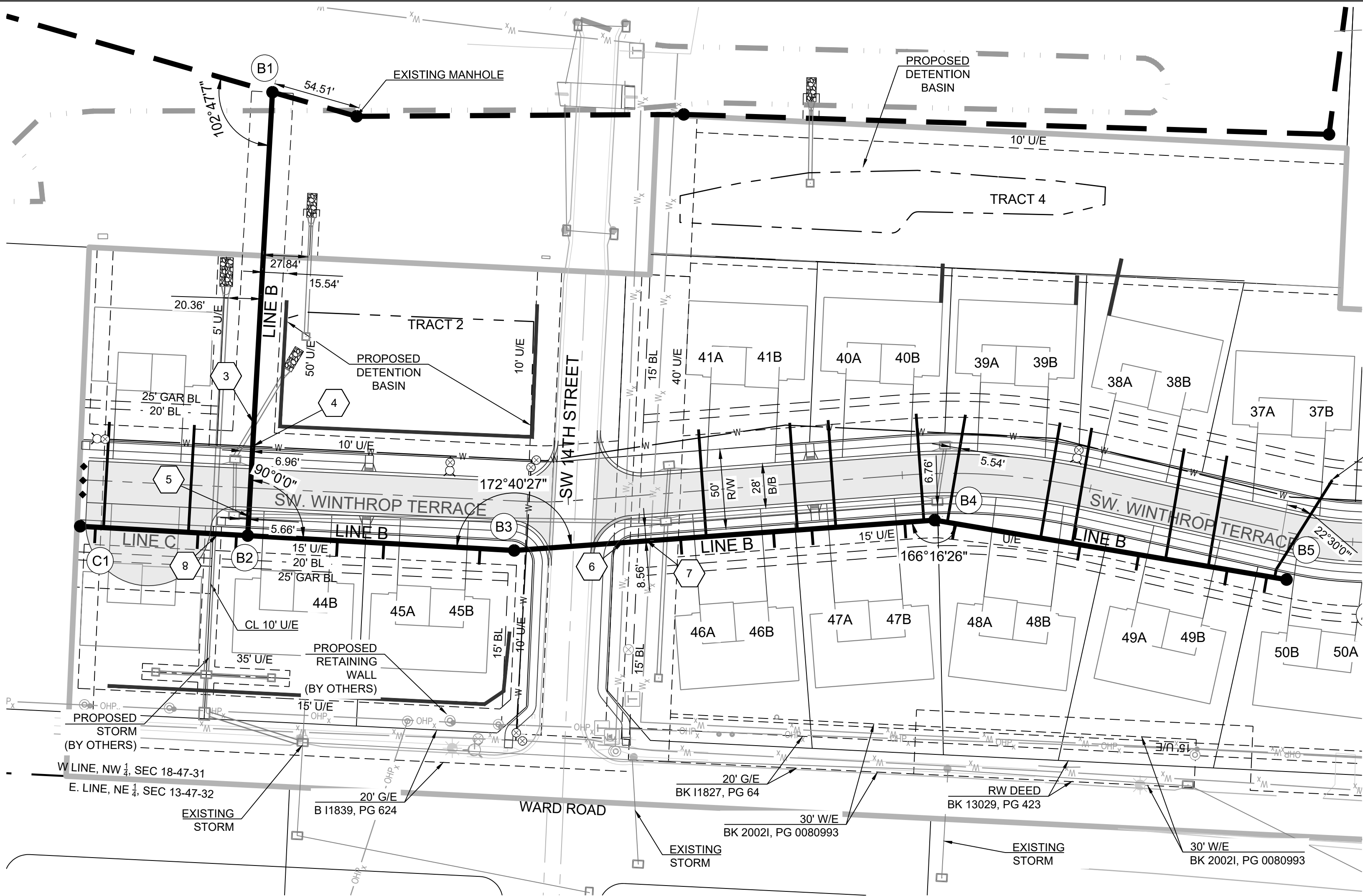
SW. CORNER NW 1/4 SEC. 18-47N-31W, JACKSON COUNTY, MO.
3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
M.D.N.R. DOC. NO. 600-65374
ELEV. 1036.41



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06/07/2021

Lot No.	WYE STA	Stub Length (L.F.)	Stub Slope (%)	Riser Length (L.F.)	EOS Elev	MSFE Elev	Cleanout
37B	920.89	71	1.30	0.00	987.13	990.13	NO
37A	878.89	70	1.30	0.00	985.67	988.67	NO
38B	851.89	70	1.30	0.00	984.73	987.73	NO
38A	792.89	70	1.30	4.00	985.52	988.52	NO
39B	772.89	73	1.30	0.00	982.04	985.04	NO
39A	713.89	65	1.30	4.00	982.72	985.72	NO
40B	699.18	67	1.30	0.00	979.27	982.27	NO
40A	644.18	65	1.30	3.00	979.96	982.96	NO
41B	620.18	67	1.30	0.00	977.26	980.26	NO
41A	563.18	67	1.30	0.00	975.80	978.80	NO
44B	332.84	10	1.30	0.00	968.89	971.89	NO
45A	361.84	9	1.30	2.00	971.05	974.05	NO
45B	421.84	10	1.30	0.00	971.24	974.24	NO
46A	547.18	6	1.30	6.00	978.84	981.84	NO
46B	605.18	7	1.30	4.00	978.92	981.92	NO
47A	629.18	4	1.30	8.00	982.33	985.33	NO
47B	687.18	6	1.30	6.00	982.41	985.41	NO
48A	718.89	4	1.30	8.00	984.93	987.93	NO
48B	797.89	6	1.30	6.00	986.27	989.27	NO
49A	834.89	6	1.30	6.00	987.55	990.55	NO
49B	890.89	7	1.30	4.00	988.09	991.09	NO
50B	915.89	8	1.30	3.00	988.26	991.26	NO

SANITARY CROSSING TABLE						
ID	SAN ELEV.	STORM/WATER ELEV.	SAN SIZE	STORM/WATER SIZE	VERTICAL SEPARATION	RCE/CRCE REQUIRED?
3	964.33	970.18	8" PCV	30" HDPE	5.14	NO
4	964.67	974.85	8" PCV	8" PVC	9.46	NO
5	965.88	971.53	8" PCV	24" HDPE	4.94	NO
6	973.04	978.16	8" PCV	36" DIP	4.03	NO
7	973.70	978.65	8" PCV	15" HDPE	4.38	NO

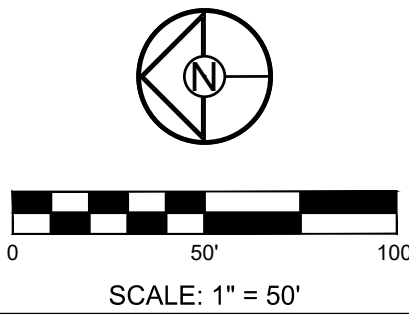


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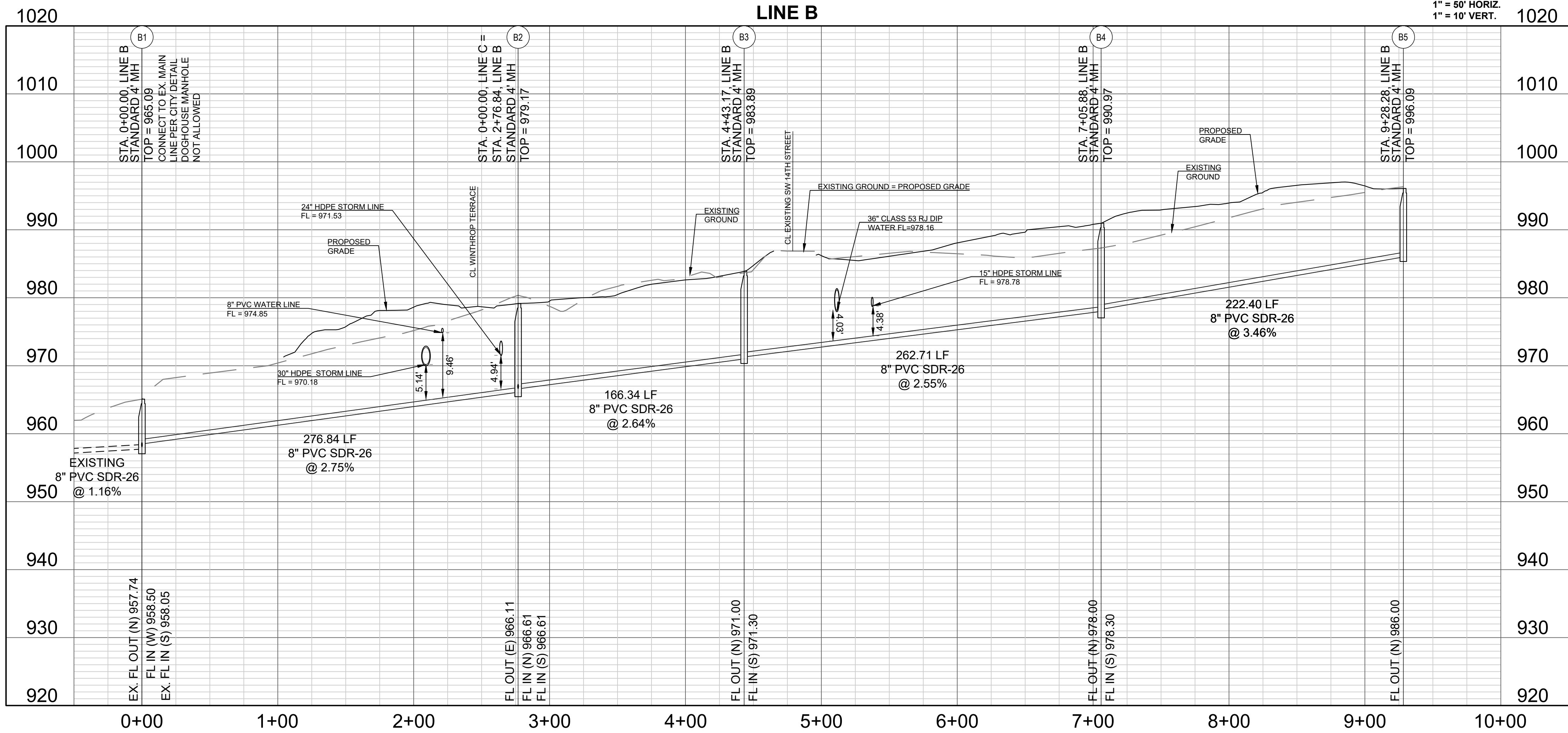
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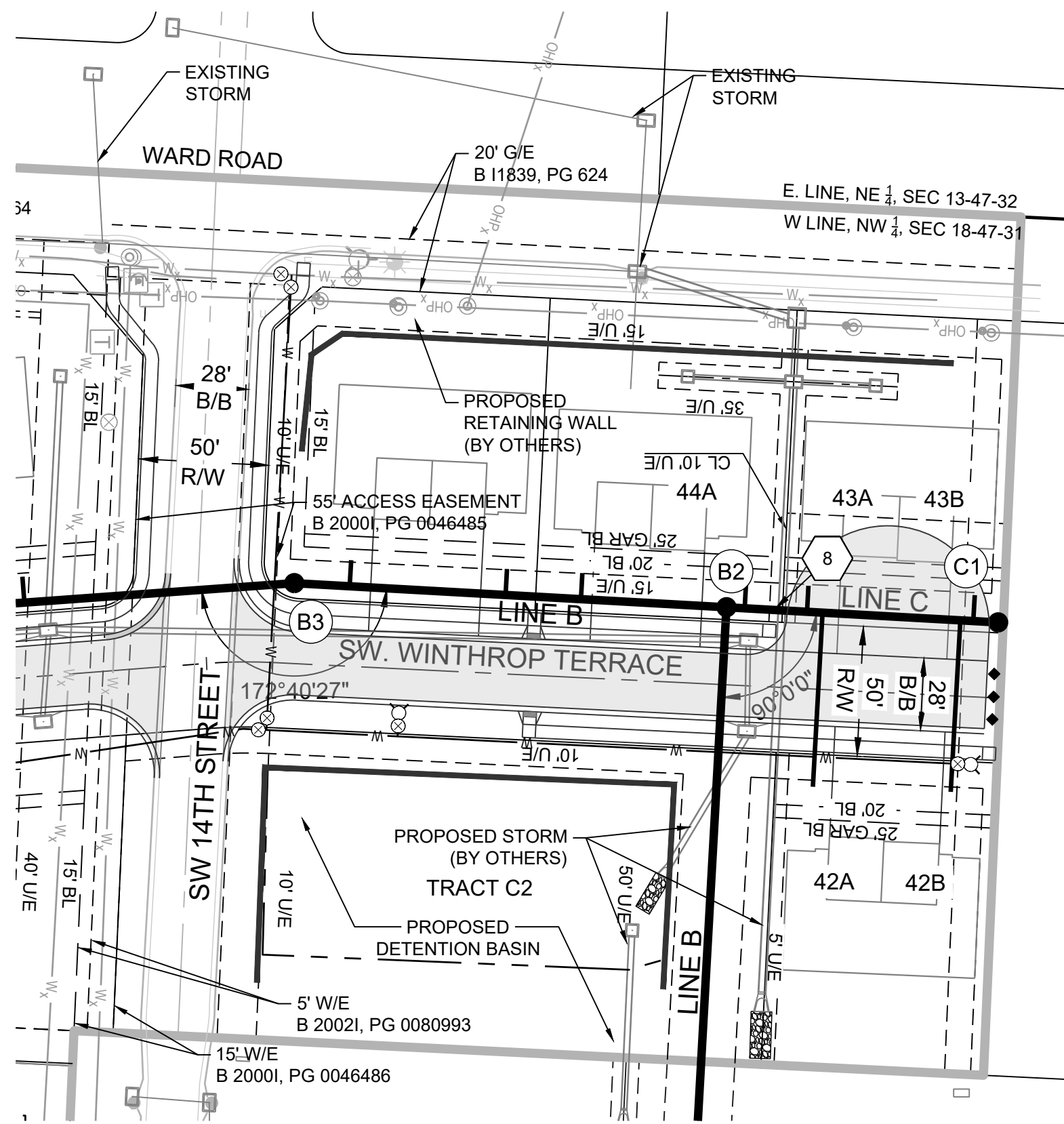


Structure Table		
Structure Name	Structure Northing	Structure Easting
B1	993651.2313	2818718.4949
B2	993666.6637	2818442.0890
B3	993500.5868	2818432.8165
B4	993238.5614	2818451.7377
B5	993019.2687	2818414.6635



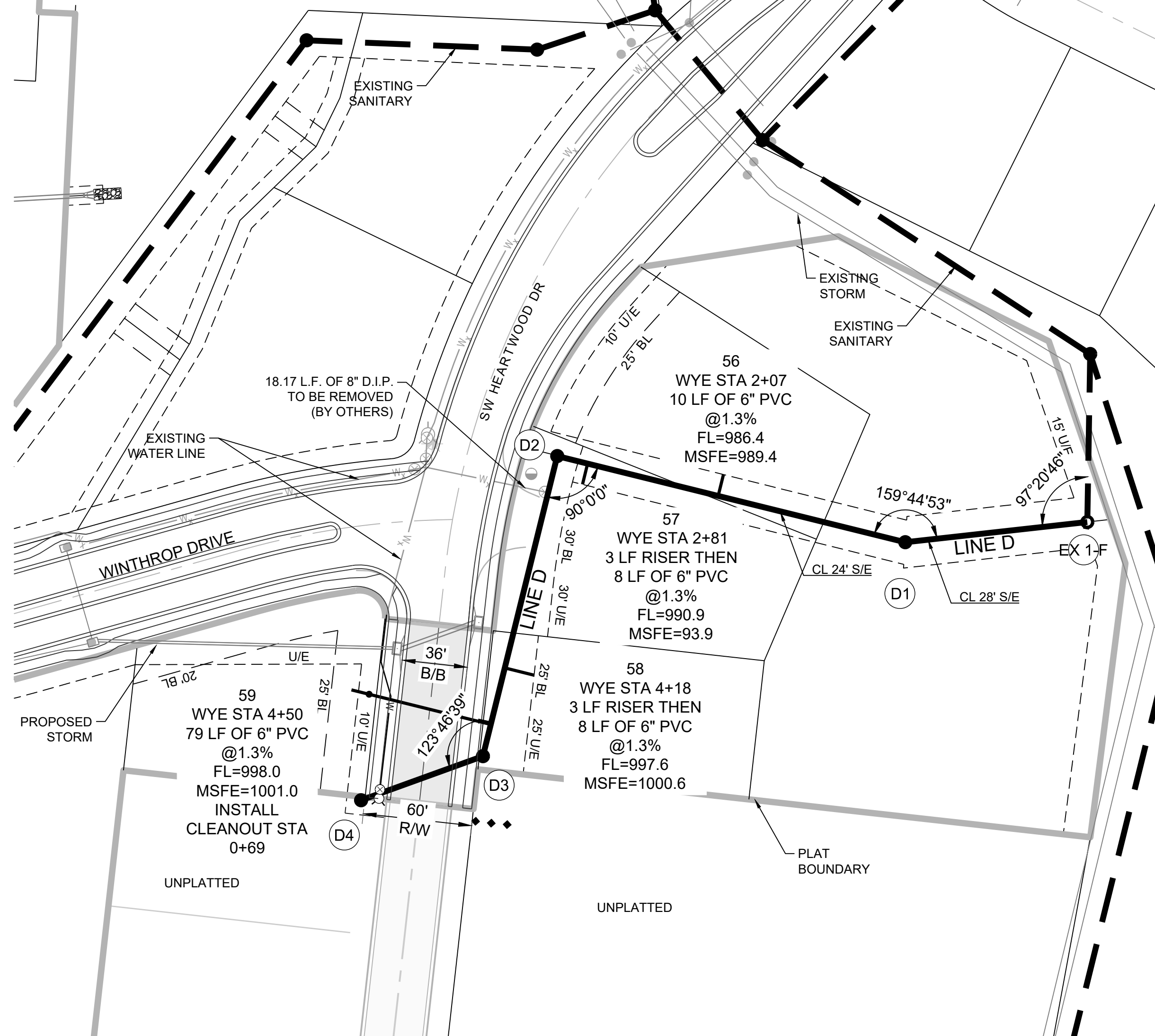
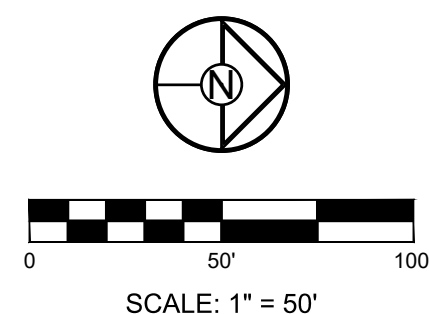
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06/07/2021

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06/03/2021	ESC SHEETS
2-20-2020	DATE PREPARED
18-017	PROJ. NUMBER



Lot No.	WYE STA	Stub Length (L.F.)	Stub Slope (%)	Riser Length (L.F.)	EOS Elev	MSFE Elev	Cleanout
42A	37.00	67	1.30	0.00	968.52	971.52	NO
42B	90.00	66	1.30	0.00	969.03	972.03	NO
43B	95.00	8	1.30	3.00	970.45	973.45	NO
43A	31.00	8	1.30	3.00	969.81	972.81	NO
44A	7.00	8	1.30	3.00	969.57	972.57	NO

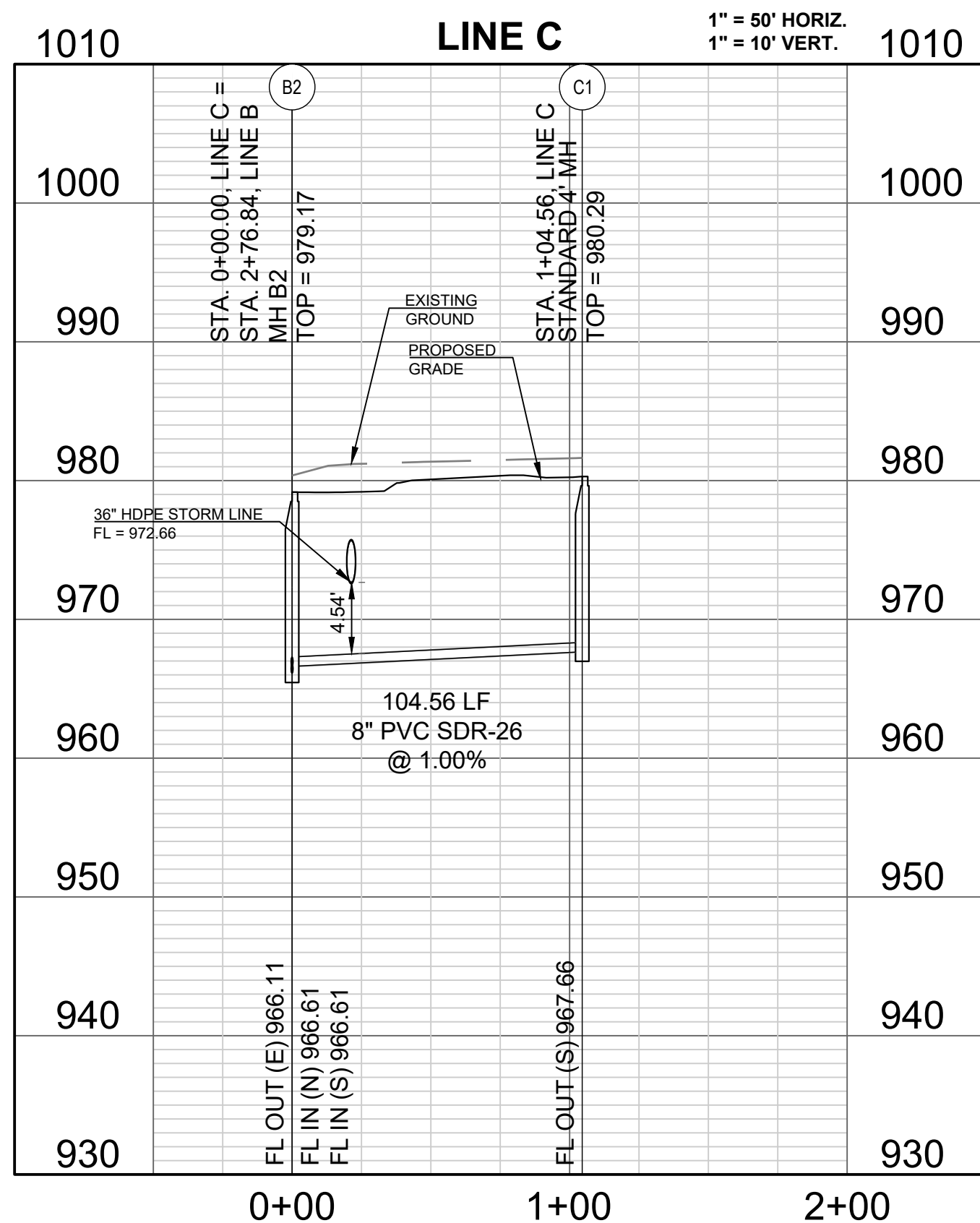
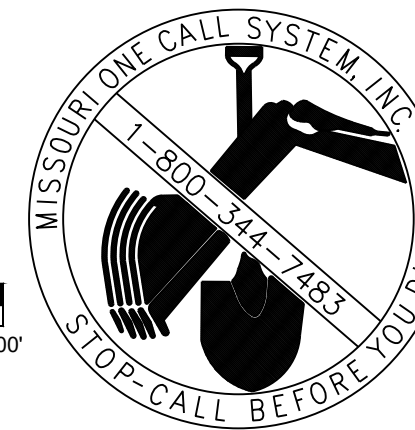
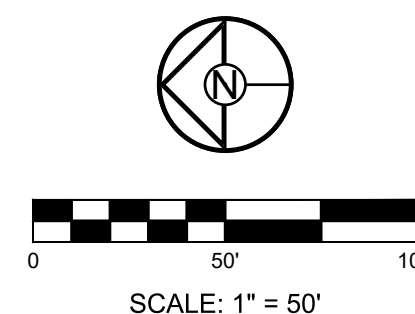
STORM/WATER		STORM/WATER		VERTICAL SEPARATION	RCE/CRCE REQUIRED?
ID	SAN ELEV.	ELEV.	SIZE		
8	966.71	971.97	8" PCV	36" HDPE	4.54



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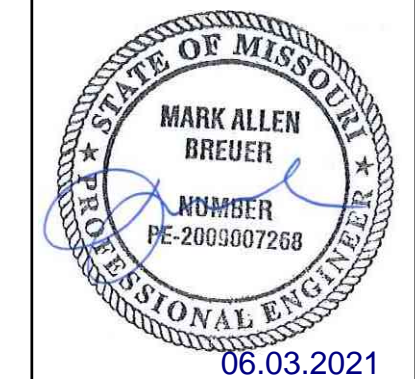
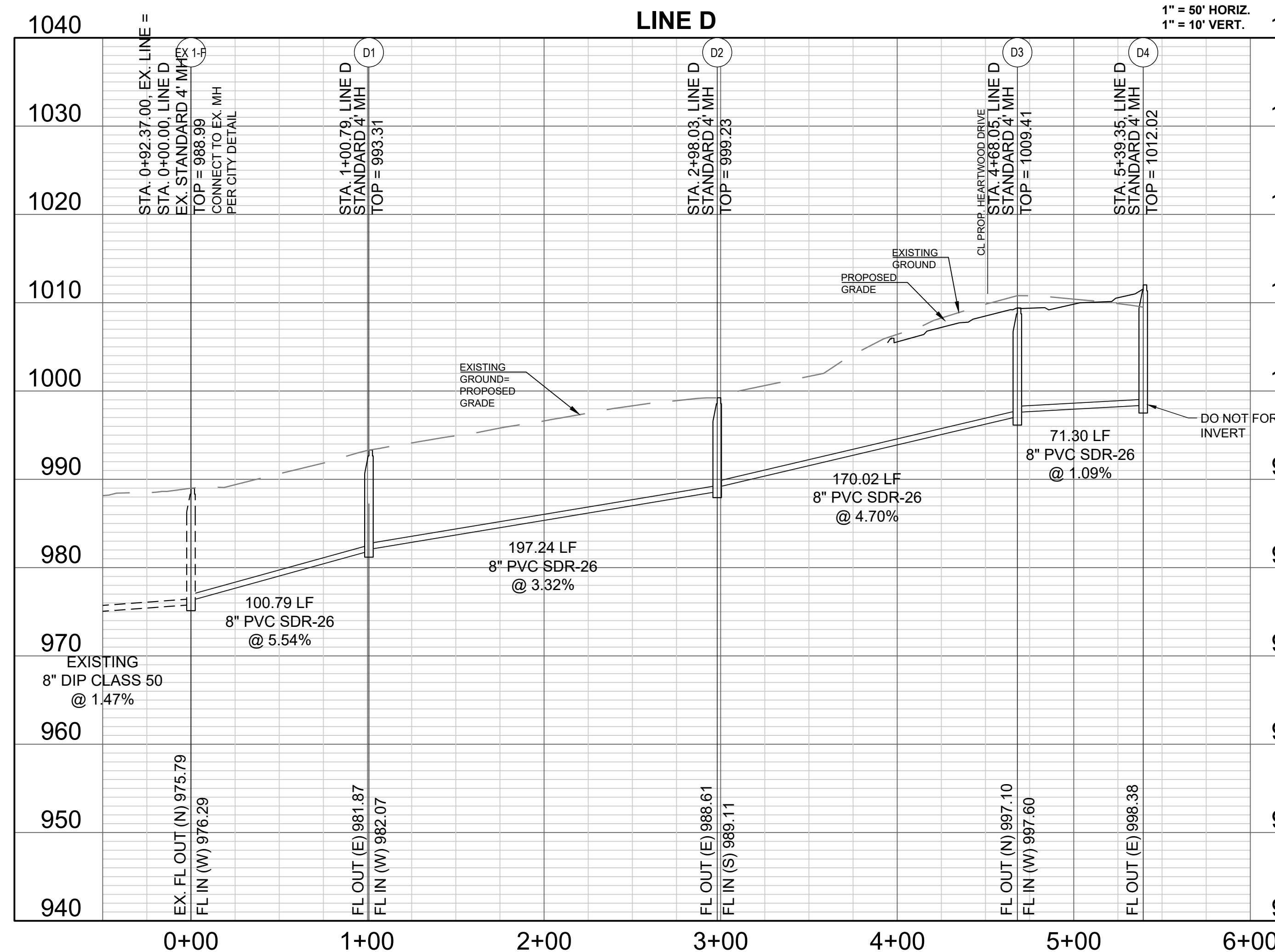
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3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
M.D.N.R. DOC. NO. 600-65374
ELEV. 1036.41



Structure Table		
Structure Name	Structure Northing	Structure Easting
B2	993666.6637	2818442.0890
C1	993771.0575	2818447.9175

Structure Table		
Structure Name	Structure Northing	Structure Easting
D1	992465.1668	2819049.0765
D2	992512.5490	2818857.6124
D3	992347.5106	2818816.7699
D4	992323.2667	2818749.7146
EX 1-F	992476.3180	2819149.2468

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**WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI**

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LINE C-D PLAN AND PROFILE

SHEET

