

# WESTRICH PROPERTY MASS GRADING

CITY OF COTTLEVILLE, MO

PERMIT SET  
XX JULY 2019  
NOT FOR CONSTRUCTION



## SCHEDULE OF DRAWINGS

SHEET ID	DESCRIPTION OF DRAWINGS
G-000	COVER SHEET
C-100	GENERAL NOTES
C-200	EXISTING CONDITIONS PLAN
C-300	GRADING PLAN
C-301	SITE CROSS SECTIONS
C-400	STORMWATER POLLUTION PREVENTION PLAN
C-500	DETAILS

**JACOBS**

Jacobs Engineering Group Inc.  
Missouri Certificate of Authority:  
Engineering Corporation, # 000704

501 North Broadway, Saint Louis, MO 63102  
T 314.335.4237

**PROJECT INFO**

PROJECT OWNER: WESTRICH ZACHARY S  
1013 CASTLEVIEW CT  
COTTLEVILLE, MO 63304

PROJECT ADDRESS: HIGHWAY N, 63304

PARCEL ID: 3-0105-0304-00-0008.0000000

FIRE DISTRICT: COTTLEVILLE

SCHOOL DISTRICT: FRANCIS HOWELL

UTILITY CONTACTS: AMEREN MISSOURI  
P.O. BOX 66149, MC 700  
ST LOUIS, MISSOURI 63166  
(314) 822-5843

AT&T  
13075 MANCHESTER RD  
DES PERES, MO 63131  
(314) 957-3742

SPIRE  
4118 SHREWSBURY AVE  
ST LOUIS, MO 63119  
(314) 768-7767

MISSOURI AMERICAN WATER  
727 CRAIG ROAD, SUITE 201  
ST. LOUIS, MISSOURI 63141  
(314) 966-2474

DUCKETT CREEK SANITARY DISTRICT  
3550 HIGHWAY K  
O'FALLON, MO 63368  
(636) 441-1244

CENTRAL ELECTRIC POWER COOPERATIVE  
2106 JEFFERSON ST  
JEFFERSON CITY, MO 65109  
(573) 634-2454

EXPLORER PIPELINE COMPANY  
P.O. BOX 2650  
TULSA, OK 74101  
(918) 493-5100

VILLAGE OF COTTLEVILLE  
5490 FIFTH STREET  
COTTLEVILLE, MO 63304  
(636) 498-6565

**GENERAL NOTES**

- DO NOT SCALE DRAWINGS. USE DIMENSIONS SHOWN. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO ACCOMPLISH THIS WORK. THE COST OF THESE PERMITS SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- THE CONTRACTOR SHALL LAYOUT/STAKE THEIR OWN WORK AND SHALL BE RESPONSIBLE FOR ALL WORK EXECUTED UNDER THIS CONTRACT. THE CONTRACTOR SHALL VERIFY ALL FIGURES AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK AND WILL BE RESPONSIBLE FOR ANY ERROR RESULTING FROM ITS FAILURE TO DO SO.
- SITE DIMENSIONS ARE TO FACE OF CURB, PROPERTY LINE OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SURVEY OR PROPERTY MARKERS AND MONUMENTS. ANY MARKERS OR MONUMENTS THAT ARE REMOVED OR DISTURBED BY THE CONTRACTOR'S ACTIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE BY A REGISTERED LAND SURVEYOR IN THE STATE OF MISSOURI.
- DO NOT DISTURB ANY UTILITIES UNLESS NOTED OTHERWISE.
- USE OF EXPLOSIVES AND BURNING ON-SITE WILL NOT BE PERMITTED.
- CONSTRUCTION SIGNS, LIGHTS, AND BARRICADES SHALL BE INSTALLED AT LOCATIONS NECESSARY TO MAINTAIN A SAFE WORK SITE CONDITION AS DIRECTED/APPROVED BY THE CITY ENGINEER, AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), LATEST EDITION.
- ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS.
- ALL GROUND SURFACES DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER.
- HORIZONTAL AND VERTICAL CONTROL POINTS REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A LAND SURVEYOR REGISTERED IN THE STATE OF MISSOURI AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL CONTROL DUST BY SPRINKLING OF WATER OR ANY OTHER NECESSARY MEANS APPROVED BY THE CITY ENGINEER.

**DEMOLITION NOTES**

- THE APPROPRIATE UTILITY AGENCY SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORK WHICH WILL AFFECT AN EXISTING UTILITY.
- REMOVAL AND/OR ABANDONMENT OF EXISTING SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWER AND DRAINAGE FACILITIES OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT, 2009 EDITION.
- ALL EXISTING SIGNAGE SHALL BE PROTECTED, OR REMOVED AND REINSTALLED AT ITS ORIGINAL LOCATION UNLESS NOTED OTHERWISE ON THE PLANS. THE ENGINEER SHALL APPROVE THE FINAL LOCATION OF ALL SIGNAGE. THE CONTRACTOR SHALL REPLACE, AT HIS EXPENSE, ANY SIGNS DAMAGED OR LOST DURING REMOVAL, STORAGE AND RESETTING.
- ALL CONDUIT, DUCTS, FITTINGS, VALVES, AND OTHER DEBRIS RESULTING FROM THE DEMOLITION OF UTILITIES SHALL BE REMOVED AND DISPOSED OF OFF SITE.
- ALL DEBRIS RESULTING FROM THE DEMOLITION OF RIGID PAVEMENTS, CURBING, STRUCTURES, FOUNDATIONS AND FOOTINGS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.
- ALL EXISTING ABOVE AND BELOW GRADE IMPROVEMENTS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES UNLESS NOTED OTHERWISE ON THE PLANS.

**UTILITY NOTES**

- THE UTILITY COMPANIES LISTED ON THIS SHEET ARE KNOWN TO HAVE FACILITIES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE AGENCY PRIOR TO THE COMMENCEMENT OF ANY WORK WHICH WILL AFFECT ANY EXISTING UTILITY. THERE MAY BE OTHER UTILITIES IN THE PROJECT AREA THAT ARE NOT LISTED.
- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK SHALL BE COMPLETED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL SUCH UNDERGROUND UTILITIES DURING ALL PHASES OF WORK.
- LOCATE EXISTING UNDERGROUND UTILITIES AND SEWERS IN THE AREAS OF WORK BEFORE STARTING CONSTRUCTION. WHEN UTILITIES OR SEWERS ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION DURING CONSTRUCTION. SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE CITY ENGINEER AND UTILITY OWNER IMMEDIATELY FOR DIRECTIONS. COOPERATE WITH THE SERVICES AND FACILITIES IN OPERATION. REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER. REMOVALS OR RELOCATIONS BY UTILITY COMPANIES ARE TO BE INITIATED AND COORDINATED BY THE CONTRACTOR.

**EXCAVATION/GRADING NOTES**

- DAMAGE TO OFF-SITE STREETS AND PROPERTIES DUE TO SOIL EROSION OR SILTATION SHALL BE PREVENTED BY ERECTING SILT BARRIERS OR BASINS, OR BY UTILIZING SIMILAR DEVICES TO EFFECT SOIL STABILIZATION. INSPECTION OF AND NECESSARY REPAIRS TO THE EROSION CONTROL MEASURES MUST BE MADE DAILY FOLLOWING PERIODS OF PRECIPITATION, AND/OR AS DIRECTED BY THE CITY ENGINEER. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR IF DIRECTED.
- ELEVATIONS SHOWN ARE TO TOP OF FINISHED GROUND OR PAVED SURFACE, UNLESS NOTED OTHERWISE.
- ALL TRASH, DEBRIS, ORGANIC MATERIAL, REFUSE, FROZEN EARTH, ETC., SHALL BE REMOVED FROM FILL AREAS PRIOR TO THE PLACEMENT OF CONTROLLED FILL. ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
- CARE SHALL BE EXERCISED IN COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT DAMAGE TO WATERPROOFING MEMBRANES, JOINTS, SEALS, AND/OR THE PIPES AND STRUCTURES THEMSELVES.
- SILTATION CONTROL DEVICES SHALL BE PLACED AT ALL DISCHARGE POINTS TO PROTECT ADJACENT PROPERTY AND RIGHT-OF-WAYS. UPON COMPLETION OF STORM SEWERS, SILT BARRIERS SHALL BE PLACED ON ALL SIDES OF INLET STRUCTURES TO KEEP SILT OUT OF STORM SEWER. SILTATION CONTROL DEVICES SHALL BE SECURELY ANCHORED AND PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE PAVED OR TURF HAS BEEN ESTABLISHED.
- ALL FILLED PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS SHALL BE COMPACTED TO NINETY (90) PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR NINETY-FIVE (95) PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99.
- ALL FILL PLACED IN PROPOSED ROADS AREAS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO NINETY (90) PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR NINETY-FIVE (95) PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.

**EROSION CONTROL NOTES**

- GRADING, EROSION CONTROL PRACTICES, SEDIMENT CONTROL PRACTICES AND WATERCOURSE CROSSINGS SHALL BE ADEQUATE TO PREVENT TRANSPORTATION OF SEDIMENT FROM THE SITE TO THE SATISFACTION OF THE DEPARTMENT OF PUBLIC WORKS.
- CUT AND FILL SLOPES SHALL BE NO GREATER THAN THREE TO ONE (3:1), EXCEPT AS APPROVED BY THE DEPARTMENT OF PUBLIC WORKS TO MEET OTHER COMMUNITY OR ENVIRONMENTAL OBJECTIVES.
- CLEARING AND GRADING OF NATURAL RESOURCES, SUCH AS FORESTS AND WETLANDS, SHALL NOT BE PERMITTED, EXCEPT WHEN IN COMPLIANCE WITH ALL OTHER CHAPTERS OF THE CITY CODE OF ORDINANCES.
- CLEARING TECHNIQUES THAT RETAIN EXISTING VEGETATION TO THE MAXIMUM EXTENT PRACTICABLE SHALL BE USED AND THE TIME PERIOD FOR DISTURBED AREAS TO BE WITHOUT VEGETATIVE COVER SHALL BE MINIMIZED TO THE EXTENT PRACTICAL TO THE SATISFACTION OF THE DEPARTMENT OF PUBLIC WORKS.
- CLEARING, EXCEPT THAT NECESSARY TO ESTABLISH SEDIMENT CONTROL DEVICES, SHALL NOT BEGIN UNTIL ALL SEDIMENT CONTROL DEVICES HAVE BEEN INSTALLED AND HAVE BEEN STABILIZED.
- PHASING SHALL BE REQUIRED ON ALL SITES DEEMED APPROPRIATE AT PLAN REVIEW AND AS APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
- EROSION CONTROL REQUIREMENTS SHALL INCLUDE THE FOLLOWING:
  - SOIL STABILIZATION SHALL BE COMPLETED WITHIN FIVE (5) DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION.
  - IF SEEDING OR ANOTHER VEGETATIVE EROSION CONTROL METHOD IS USED, IT SHALL BECOME ESTABLISHED WITHIN TWO (2) WEEKS OR THE DEPARTMENT OF PUBLIC WORKS MAY REQUIRE THE SITE TO BE RESEEDED OR A NON-VEGETATIVE OPTION EMPLOYED.
  - TECHNIQUES SHALL BE EMPLOYED TO ENSURE STABILIZATION ON STEEP SLOPES AND IN DRAINAGE WAYS.
  - SOIL STOCKPILES MUST BE STABILIZED OR COVERED AT THE END OF EACH WORKDAY.
  - THE ENTIRE SITE MUST BE STABILIZED, USING A HEAVY MULCH LAYER OR ANOTHER METHOD THAT DOES NOT REQUIRE GERMINATION TO CONTROL EROSION, AT THE CLOSE OF THE CONSTRUCTION SEASON.
  - TECHNIQUES SHALL BE EMPLOYED TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.
  - TECHNIQUES SHALL BE EMPLOYED TO DIVERT UPLAND RUNOFF PAST DISTURBED SLOPES.
- WATERCOURSE PROTECTION REQUIREMENTS SHALL INCLUDE:
  - ENCROACHMENT INTO OR CROSSINGS OF ACTIVE WATERCOURSES/RIPARIAN AREAS AND WETLANDS SHALL BE AVOIDED TO THE MAXIMUM EXTENT PRACTICABLE. WHERE APPLICABLE, ALL LOCAL, STATE AND FEDERAL PERMITS AND APPROVALS SHALL BE PROVIDED TO THE DEPARTMENT OF PUBLIC WORKS PRIOR TO THE ISSUANCE OF A SITE DISTURBANCE PERMIT.
  - STABILIZATION OF ANY WATERCOURSE CHANNELS BEFORE, DURING AND AFTER ANY IN-CHANNEL WORK.
  - IF A DEFINED WATERCOURSE IS TO BE REALIGNED OR RECONFIGURED, CLEARING AND GRUBBING ACTIVITIES WITHIN FIFTY (50) FEET OF THE WATERCOURSE SHALL NOT BEGIN UNTIL ALL MATERIALS AND EQUIPMENT NECESSARY TO PROTECT THE WATERCOURSE AND COMPLETE THE WORK ARE ON SITE. ONCE STARTED, WORK SHALL BE COMPLETED AS SOON AS POSSIBLE. AREAS WITHIN FIFTY (50) FEET OF THE WATERCOURSE SHALL BE RECONTOURED AND REVEGETATED, SEEDED OR OTHERWISE PROTECTED WITHIN FIVE (5) WORKING DAYS AFTER GRADING HAS CEASED.
  - ALL STORM WATER CONVEYANCES SHALL BE DESIGNED ACCORDING TO THE CRITERIA OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT (MSD) AND THE NECESSARY MSD PERMITS OBTAINED.
  - STABILIZATION ADEQUATE TO PREVENT EROSION SHALL BE PROVIDED AT THE OUTLETS OF ALL PIPES AND PAVED CHANNELS.
- CONSTRUCTION SITE ACCESS REQUIREMENTS SHALL INCLUDE:
  - A TEMPORARY ACCESS ROAD PROVIDED AT ALL SITES INCLUDING A WASH-DOWN AREA SUPPORTING ALL ACTIVE SITES.
  - OTHER MEASURES REQUIRED BY DEPARTMENT OF PUBLIC WORKS IN ORDER TO ENSURE THAT SEDIMENT IS NOT TRACKED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES OR WASHED WITH WASH EFFLUENT CHANNLED DIRECTLY INTO STORM DRAINS.
- STREET SWEEPING WILL BE IMPLEMENTED ON AN AS-NEEDED BASIS AS DETERMINED BY THE CONTRACTOR AND MUST BE PERFORMED DAILY AT A MINIMUM. CONTRACTOR MUST LIMIT ALL CONSTRUCTION ACCESS, DELIVERIES, ETC. TO INDICATED ROUTE AND PROVIDE NECESSARY MEASURE TO KEEP ROUTE FREE OF DUST, DIRT AND DEBRIS.

**EROSION CONTROL NOTES (CONTD)**

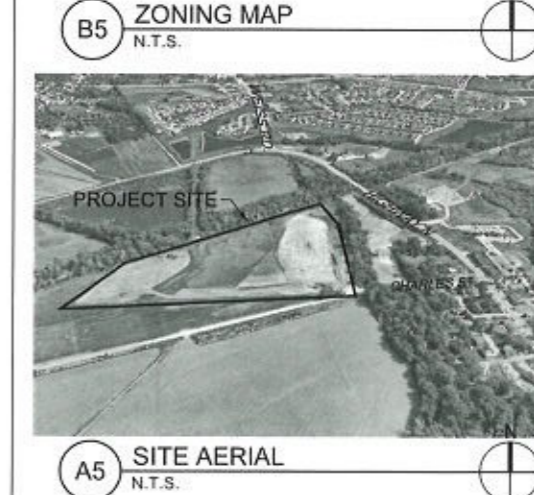
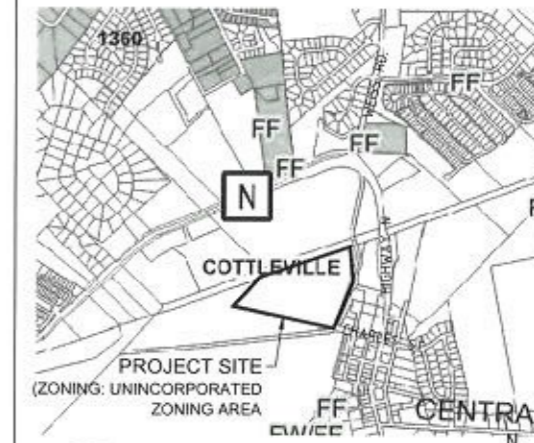
- TEMPORARY SILTATION CONTROL MEASURES (STRUCTURAL) SHALL BE MAINTAINED UNTIL AT LEAST SEVENTY-FIVE (75) PERCENT VEGETATIVE COVER OF AREA DISTURBED IS ESTABLISHED AT A SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE, AS DETERMINED BY THE CITY ENGINEER.
- WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE REESTABLISHED IN SUCH A DENSITY (AT LEAST SEVENTY-FIVE (75) PERCENT VEGETATIVE COVER OF AREA DISTURBED) AS TO PREVENT EROSION. PERMANENT TYPE GRASSES SHALL BE ESTABLISHED AS SOON AS POSSIBLE OR DURING THE NEXT SEEDING PERIOD AFTER GRADING HAS BEEN COMPLETED.
- WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN THIRTY (30) DAYS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY (AT LEAST SEVENTY-FIVE (75) PERCENT VEGETATIVE COVER) TO PROVIDE EROSION CONTROL ON THE SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO THE CITY ENGINEER'S RECOMMENDATIONS.
- ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSPECTED FOLLOWING EACH RAINSTORM CAUSING SIGNIFICANT RUNOFF, OR BEING OF SUFFICIENT INTENSITY OR DURATION AS TO STOP CONSTRUCTION OR GRADING PROGRESS.
- AS A RESULT OF SUCH INSPECTIONS, OR ANY TIME THE FOLLOWING ARE FOUND, THE SEDIMENT CONTROL FACILITIES SHALL BE CLEANED OF SEDIMENT, REPAIRED IF DAMAGED, AND RESTORED TO SERVICEABLE CONDITIONS:
  - EXCESS SEDIMENT HAS ACCUMULATED IN SILT CONTROL DEVICES,
  - SEDIMENT/EROSION CONTROL DEVICES HAVE BEEN DAMAGED,
  - OBVIOUS GULLIES OR SEDIMENT DEPOSITS HAVE FORMED ON THE DOWNSTREAM SIDE OF CONTROL DEVICES, OR
  - SEDIMENT HAS BEEN CARRIED BEYOND THE WORKING SITE.



REGISTRATION NUMBER:  
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REV	DESCRIPTION	DATE

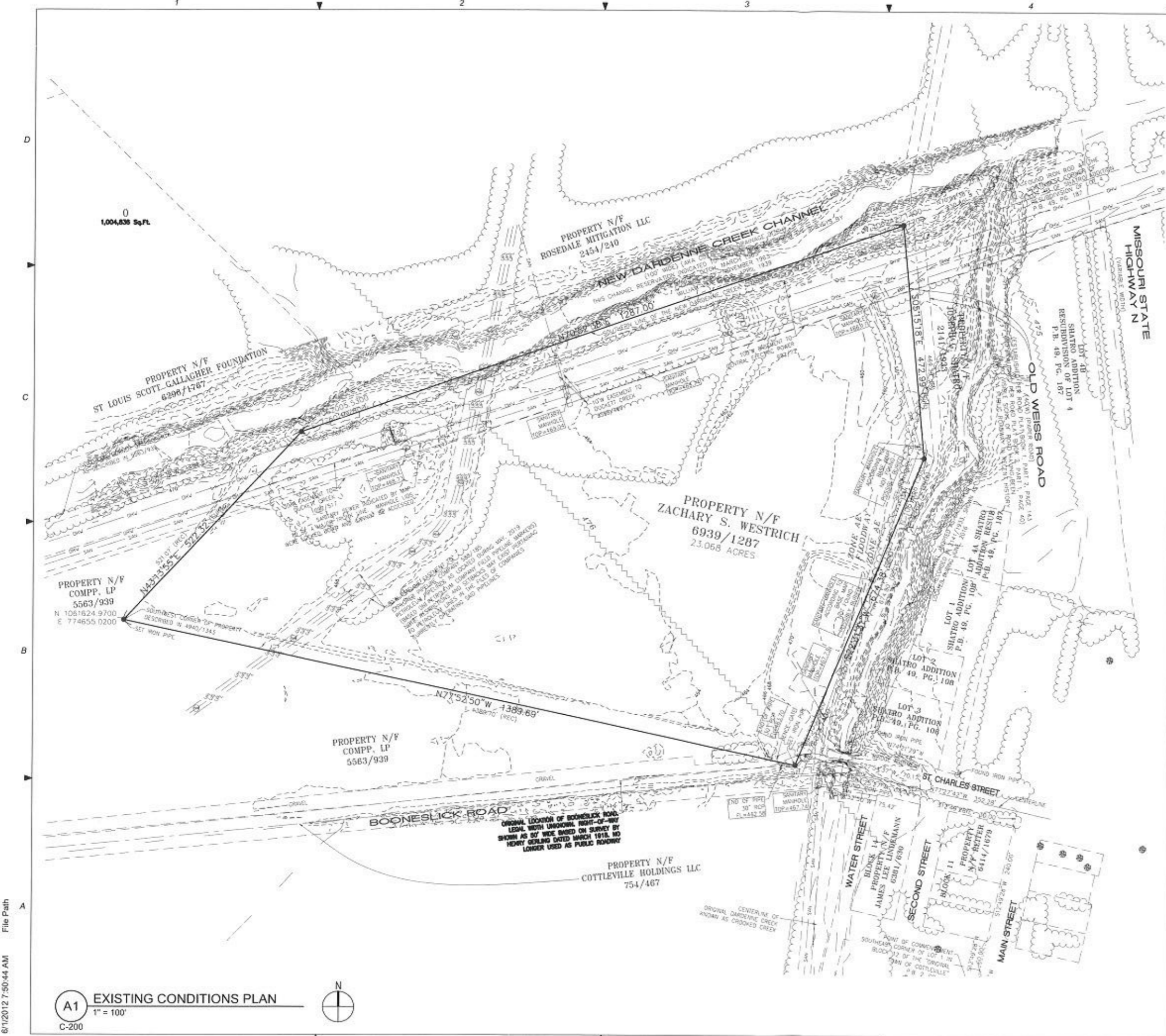
**WESTRICH PROPERTY  
MASS GRADING**  
  
 HIGHWAY N  
COTTLEVILLE, MO  
63304



Key Plan:  
Scales:  
NO SCALE

Jacobs Project No.: F3W94400  
Drawing Title:  
**GENERAL NOTES**

Date: 3 JULY 2019  
Designed: SL  
Drawn: AF  
Checked: SK/SL  
Drawing No.: **C-100**



**GENERAL NOTES**

1. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK SHALL BE COMPLETED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL SUCH UNDERGROUND UTILITIES DURING ALL PHASES OF WORK.
2. THIS PLAN IS SHOWN FOR REFERENCE ONLY.
3. EXISTING CONDITIONS INCLUDING UNDERGROUND FACILITIES, STRUCTURES, UTILITIES, EASEMENT, BOUNDARY, AND TOPOGRAPHY INFORMATION PROVIDED BY BAX ENGINEERING COMPANY DATED 23 MAY 2019.

**JACOBS**  
 501 North Broadway, Saint Louis, Missouri 63102  
 Engineering Corporation, # 000704

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**WESTRICH PROPERTY  
 MASS GRADING**

HIGHWAY N  
 COTTLEVILLE, MO  
 63304

Key Plan:

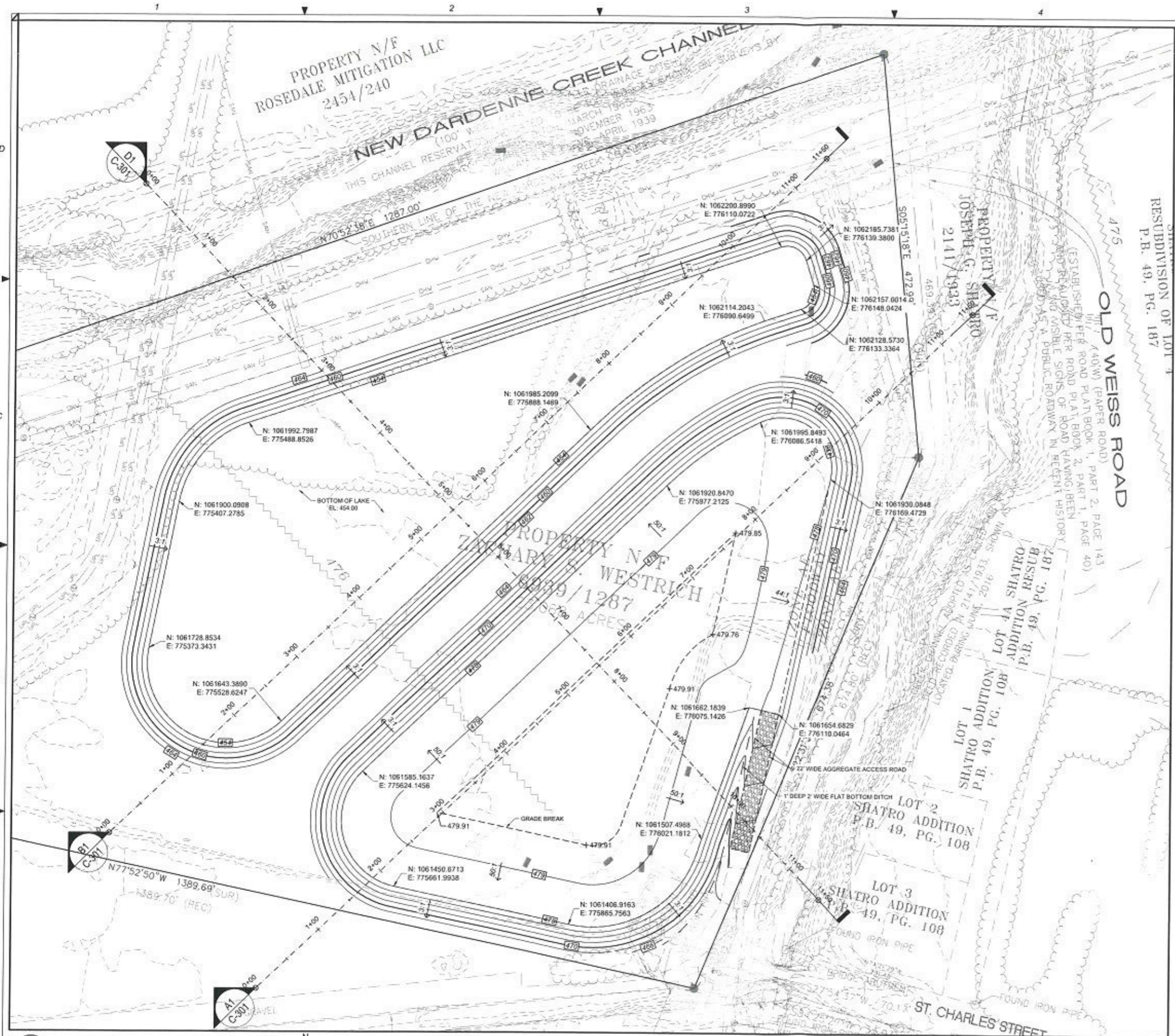
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 1" = 100'

Jacobs Project No.: F3W94400  
 Drawing Title:  
**EXISTING CONDITIONS PLAN**

Date: 3 JULY 2019  
 Designed: SL Drawing No.:  
 Drawn: AF C-200  
 Checked: SK/SL

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**GENERAL NOTES**

- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK SHALL BE COMPLETED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL SUCH UNDERGROUND UTILITIES DURING ALL PHASES OF WORK.
- REFER TO SHEET C-100 FOR GRADING AND EXCAVATION NOTES.

**LEGEND**

- MAJOR & MINOR CONTOUR
- EXISTING CONTOUR

REV	DESCRIPTION	DATE

**JACOBS**  
501 North Broadway, Saint Louis, Missouri 63102  
Engineering Corporation, # 000704

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**WESTRICH PROPERTY  
MASS GRADING**

HIGHWAY N  
COTTELEVILLE, MO  
63304

Key Plan:

Scales:  
0 30 60 120 180  
1" = 60'

**1 GRADING PLAN**  
1" = 60'

**C-300**

Jacobs Project No.: F3W94400

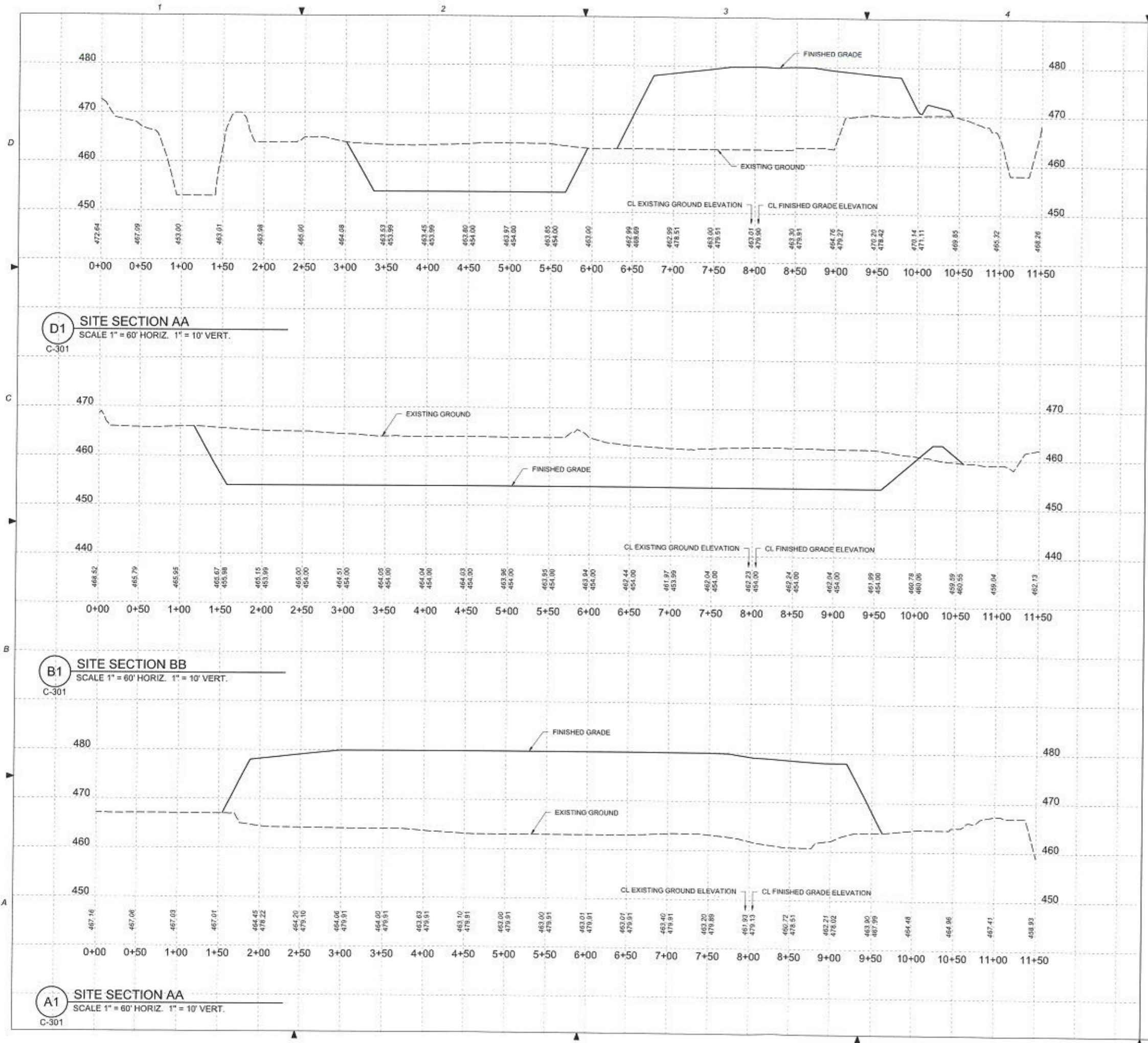
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**GRADING PLAN**

Date: 3 JULY 2019

Designed: SL  
Drawn: AF  
Checked: SK/SL

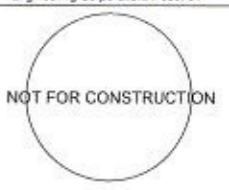
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**C-300**

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**GENERAL NOTES**

1. REFER TO C-300 FOR CROSS SECTIONS LOCATION.
2. VERTICAL EXAGGERATION = 6X



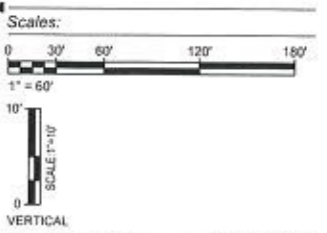
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**WESTRICH PROPERTY  
MASS GRADING**

HIGHWAY N  
COTTLEVILLE, MO  
63304

Key Plan:



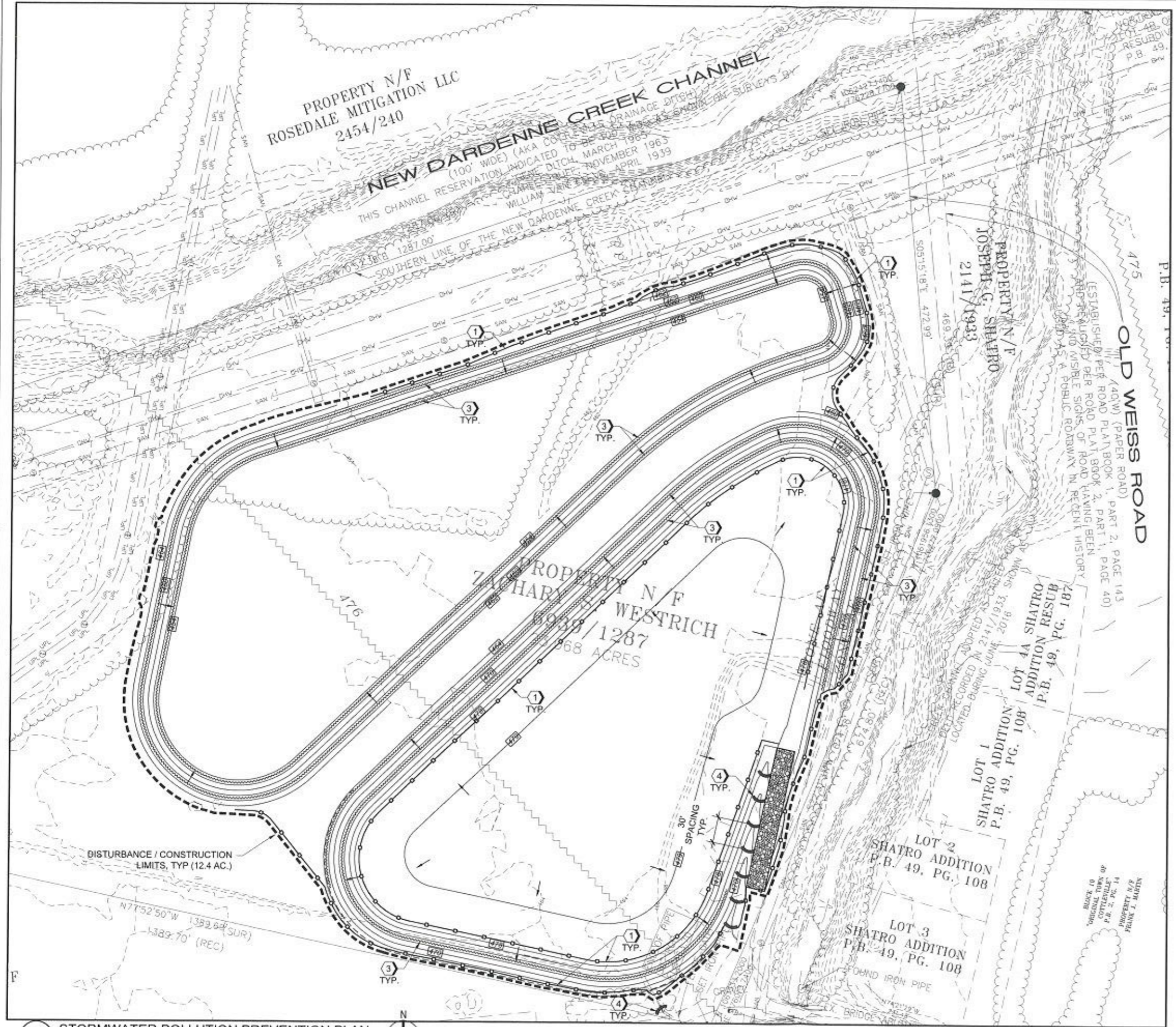
Jacobs Project No.: F3W94400

Drawing Title:

**SITE CROSS SECTIONS**

Date: 3 JULY 2019  
Designed: SL  
Drawn: AF  
Checked: SK/SL  
Drawing No.: **C-301**

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1 STORMWATER POLLUTION PREVENTION PLAN  
1" = 60'

**GENERAL NOTES**

1. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK SHALL BE COMPLETED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL SUCH UNDERGROUND UTILITIES DURING ALL PHASES OF WORK.
2. REFER TO SHEET C-100 FOR GRADING AND EXCAVATION NOTES.

**KEYED NOTES**

- 1 SILT FENCE, REFER TO B3/C-500
- 2 STABILIZED CONSTRUCTION ENTRANCE, REFER TO B1/C-500
- 3 STRAW ROLL SLOPE BREAKS, REFER TO B4/C-500
- 4 GRAVEL BAG CHECK DAM, REFER TO A1/C-500

**LEGEND**



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**WESTRICH PROPERTY  
MASS GRADING**

HIGHWAY N  
COTTLEVILLE, MO  
63304

Key Plan:

Scales:



Jacobs Project No.: F3W94400

Drawing Title:

**STORMWATER POLLUTION  
PREVENTION PLAN**

Date: 3 JULY 2019

Designed: SL Drawing No.:

Drawn: AF  
Checked: SK/SL **C-400**

NOT FOR CONSTRUCTION

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**WESTRICH PROPERTY**  
**MASS GRADING**  
**HIGHWAY N**  
**COTTLVILLE, MO**  
**63304**

Key Plan:

Scales:

Jacobs Project No.: F3W94400

Drawing Title:

DETAILS

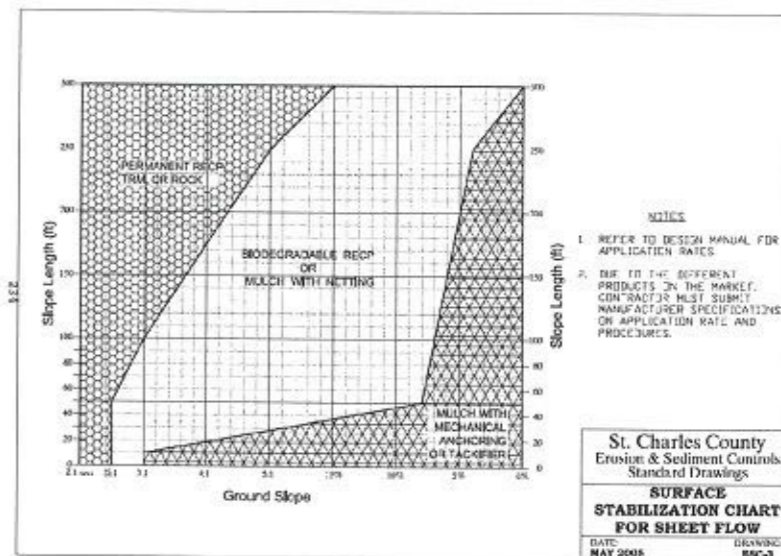
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Designed: SL Drawing No.:

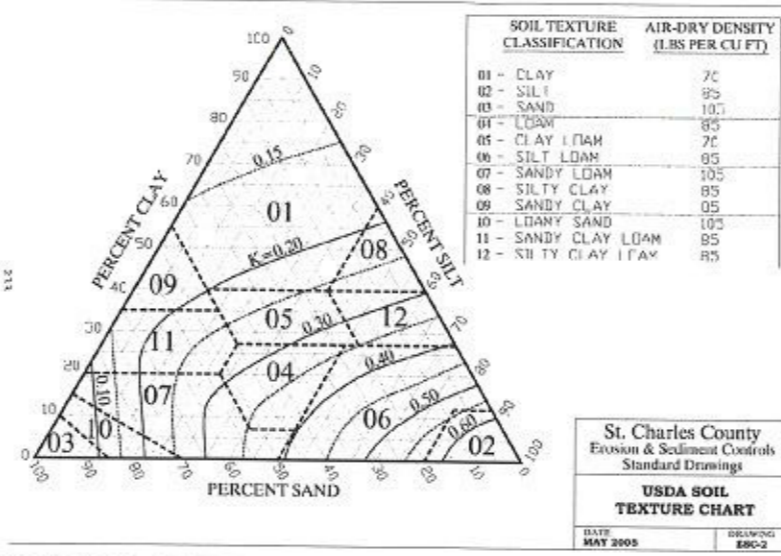
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Checked: SK/SL **C-500**

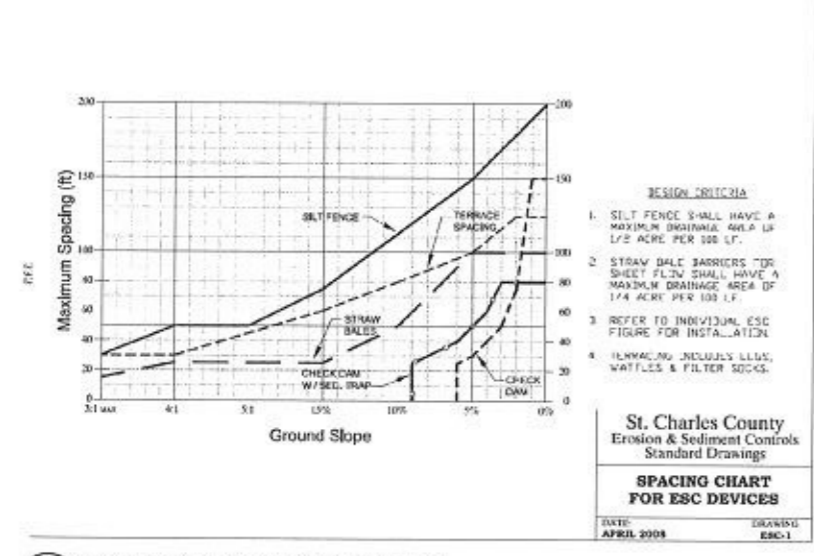
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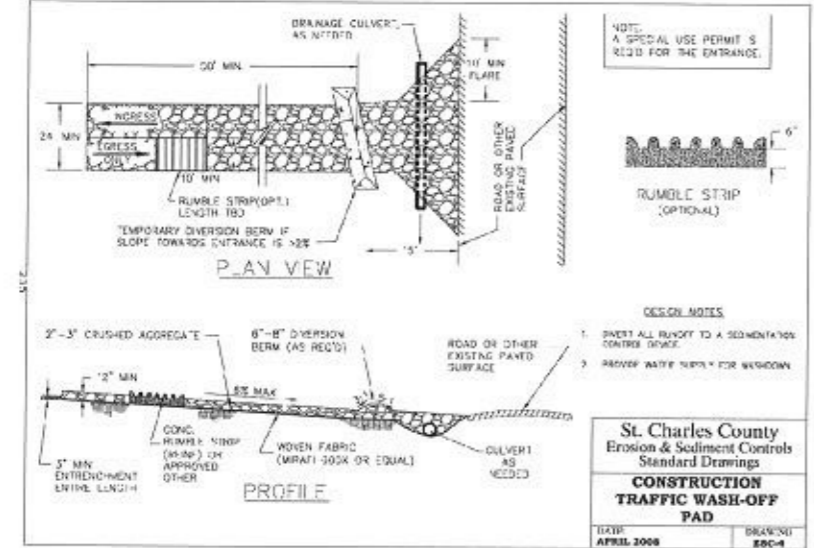
**D4 SURFACE STABILIZATION FOR SHEET FLOW**  
NOT TO SCALE  
C-500



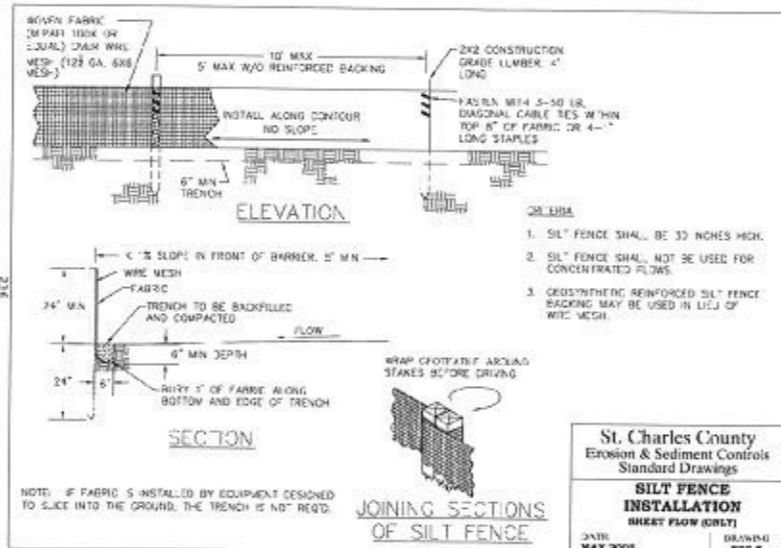
**D3 USDA SOIL TEXTURE CHART**  
NOT TO SCALE  
C-500



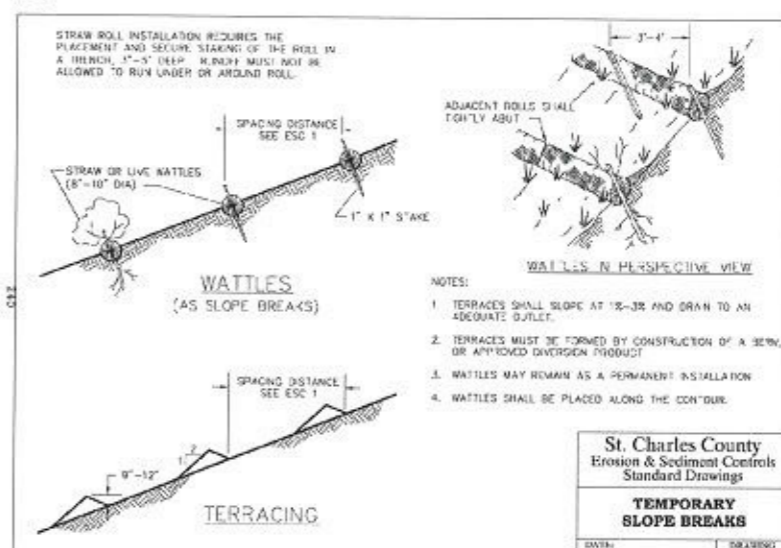
**D1 SPACING FOR ESC DEVICES**  
NOT TO SCALE  
C-500



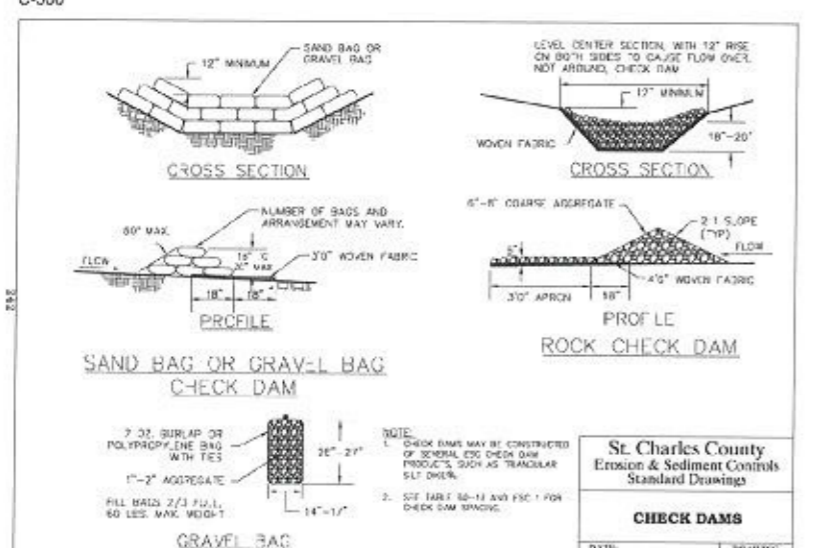
**B1 CONSTRUCTION WASH-OFF**  
NOT TO SCALE  
C-500



**B3 SILT FENCE**  
NOT TO SCALE  
C-500



**B4 TEMPORARY SLOPE BREAKS**  
NOT TO SCALE  
C-500



**A1 CHECK DAMS**  
NOT TO SCALE  
C-500

6/11/2012 7:50:44 AM File Path