

# City of Columbia, Missouri

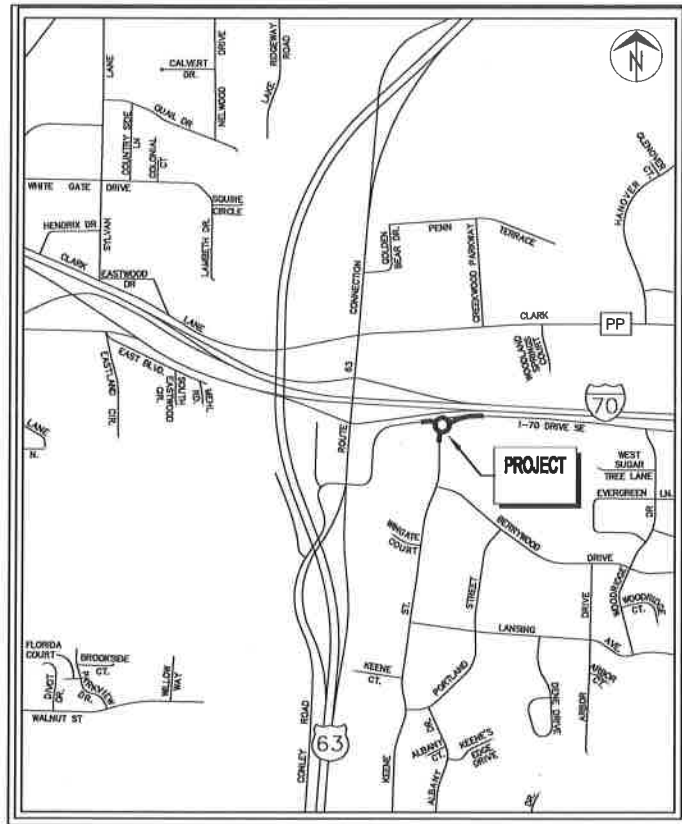
## Department of Public Works



# KEENE ST. & I-70 DRIVE SE ROUNDABOUT

## RIGHT OF WAY PLANS

MODOT PROJECT NO. STP-2100 (525)  
CITY PROJECT NO. 00658



LOCATION MAP

### LEGEND OF SYMBOLS

POWER POLE	
TELEPHONE POLE	
GUY ANCHOR	
GUY POLE	
STREET LIGHT POLE	
YARD LIGHT (SOLAR)	
WATER METER	
GAS METER	
GAS VALVE	
WATER VALVE	
FIRE HYDRANT	
SANITARY MANHOLE	
SANITARY CLEANOUT	
SANITARY LATERAL CLEANOUT	
TRAVERSE POINT	
MoDOT ROW MARKER	
BENCHMARK	
SIGN	
MAIL BOX	
PROPERTY IRON	
BUSH	
STUMP	
TREE REMOVAL	
TREE	
TREE LINE	
REMOVE	
SILT FENCE/TREE PROTECT	
FENCE	
CABLE TELEVISION	
TELEPHONE	
ELECTRIC	
TELEPHONE OR ELECTRIC MANHOLE	
WATER MAIN	
GAS MAIN	
FIBER OPTIC	
UNDERGROUND TELEPHONE	
FLOW LINE	
PROPERTY LINE	
EXISTING RIGHT OF WAY LINE	
EXISTING EASEMENT	
PROPOSED RIGHT OF WAY	
PROPOSED PERMANENT DRAINAGE EASEMENT	
TEMPORARY CONSTRUCTION EASEMENT	
GRADING LIMIT	

### GENERAL NOTES

- All construction to be in accordance with "City of Columbia Street, Storm Drain and Sanitary Specifications" (Current edition), except for traffic signal items, which shall conform to the Missouri Standard Specifications for Highway Construction (Current Edition). Where there is a conflict, these plans prevail over the Standard Specifications.
- The information shown in these plans concerning type and locations of underground utilities is not guaranteed to be accurate or all inclusive. It shall be the sole responsibility of the contractor to locate, protect, and restore all existing utilities encountered on this project. Notify Missouri One-Call (1-800-DIG-RITE) for the location of the utilities at least 5 days prior to construction. Contractor is to be aware that some utilities do not participate in the Missouri "One-Call" system. These utilities will need to be contacted individually.
- All removal of driveway pavements should be verified by field engineer.
- All excavation to be in accordance with Sections 319.010-319.050, Revised Statutes of the State of Missouri. Such compliance shall not, however, excuse any person making any excavation from doing so in a careful and prudent manner, nor shall it excuse such person from liability for any damage or injury to underground utilities resulting from the excavation.
- All disturbed earth areas shall be restored as per City Specification 203 (Seeding and mulching) and TS-X (Erosion Control).
- Remove all pavement surfaces, inlets, pipes and sidewalks within the construction limits as per TS-X, except those noted to remain. The field inspector shall verify removal of all driveway pavement.
- Construction shall meet ADA Requirements. Any construction that does not meet ADA requirements must be removed and replaced at the contractor's expense.
- Sidewalk landings shall have maximum of 2% cross slope in both directions.
- Removal of trees and bushes shall be verified by field inspectors. Exercise caution when working near the construction limits to minimize disturbance to adjacent trees and shrubs that are not being removed by construction activities.
- Contractor is responsible for replacing any property or Right-of-Way monuments that are removed with this project.
- No open trenches will be allowed overnight outside of the "road closed" area. Asphaltic "cold mix" shall be used as a temporary patch overnight. Temporary patching shall be considered incidental to the work.

### UTILITY COMPANIES:

**TELEPHONE**  
CenturyLink  
625 Cherry Street  
Columbia, MO 65205  
573-686-3505

**NATURAL GAS**  
Ameren Missouri  
2001 Maguire Boulevard  
Columbia, MO 65201  
573-876-3083

**CABLE TELEVISION**  
Mediacom  
901 N. College Avenue  
Columbia, MO 65201  
573-443-1536 ext 354

**LOCATES**  
Missouri One Call Inc.  
1022 B Northeast Drive  
Jefferson City, MO 65108  
1-800-344-7483

**WATER**  
City of Columbia  
P.O. Box 6015  
Water & Light Department  
Columbia, MO 65205  
573-874-2489

**ELECTRIC**  
City of Columbia  
P.O. Box 6015  
Water & Light Department  
Columbia, MO 65205  
573-874-2489

**SANITARY SEWER**  
City of Columbia  
P.O. Box 6015  
Public Works Department  
Columbia, MO 65205  
573-874-2489

**FIBER OPTIC**  
AT&T Transmission  
1425 Oak Street  
Kansas City, MO 64108  
816-275-4014

### BENCHMARKS & TRAVERSE POINTS:

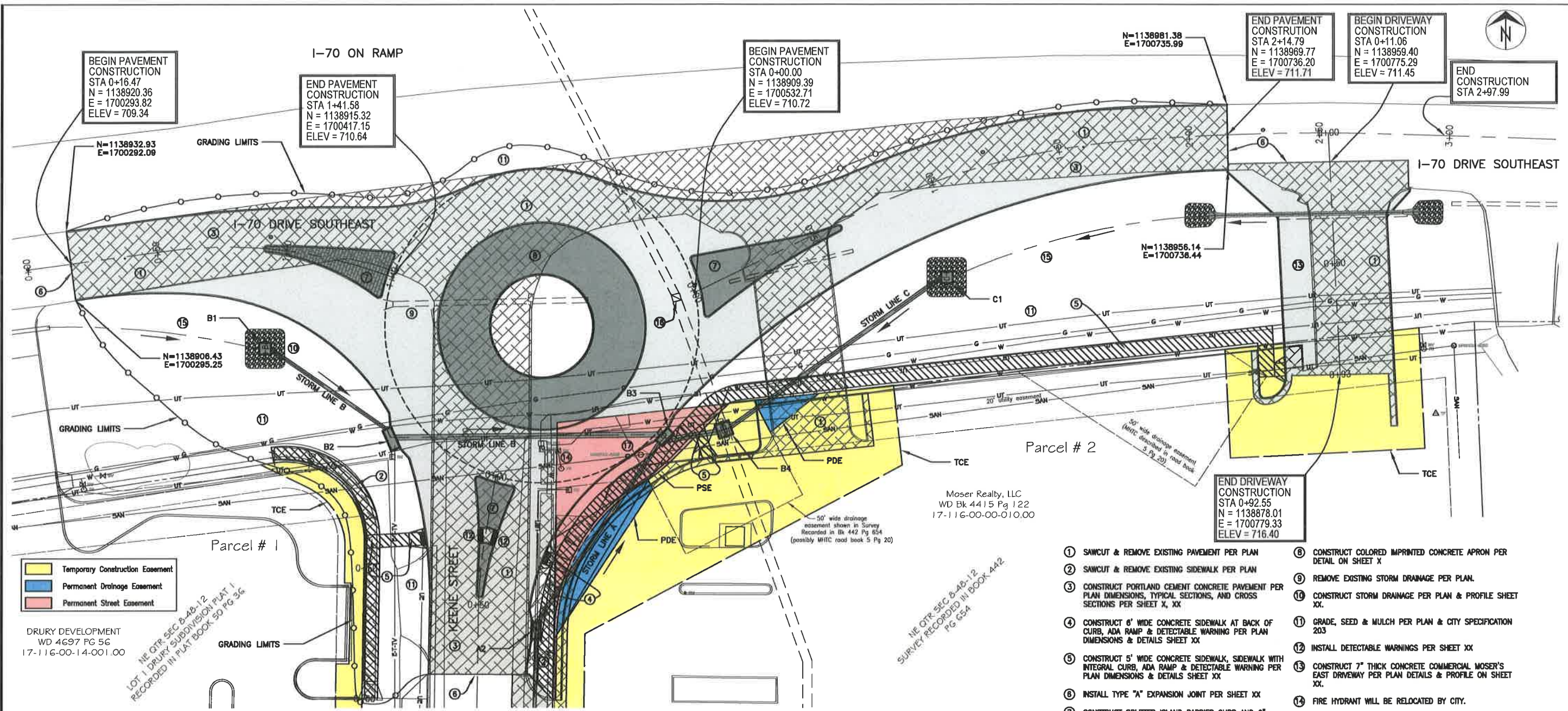
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1	1138786.62	1700475.69	713.40	TP
2	1138666.69	1700473.92	715.92	TP
3	1138863.11	1700815.97	716.22	TP
4	1138842.91	1700394.32	715.62	TP CUT CROSS
5	1138794.27	1700528.92	715.24	BM CHISELED SQUARE

### INDEX OF SHEETS

Description	Sheet No.
Cover Sheet	1
Plan/Profile Sheets and Typical Sections	2-3
Cross Sections	4-6
Details	7
Right Of Way Plan	8
Annexures	A-D

<b>City of Columbia, Missouri</b> Department of Public Works			
No.	Date	By	Revision
Project No. 00658	Des. A.N.H.	Sheet	David Allen Nichols Registered Professional Engineer E-24212
Scale: None	Dwn. G.R.K.	1 of 8	
Date: 10/02/18	Chk. AAA.		
<b>KEENE ST. &amp; I-70 DR. SE ROUNDABOUT</b>			
Approved By _____			
Director of Public Works		Date	





**EAST AND WEST LEG PLAN**

- Temporary Construction Easement
- Permanent Drainage Easement
- Permanent Street Easement

DRURY DEVELOPMENT  
WD 4697 PG 56  
17-116-00-14-001.00

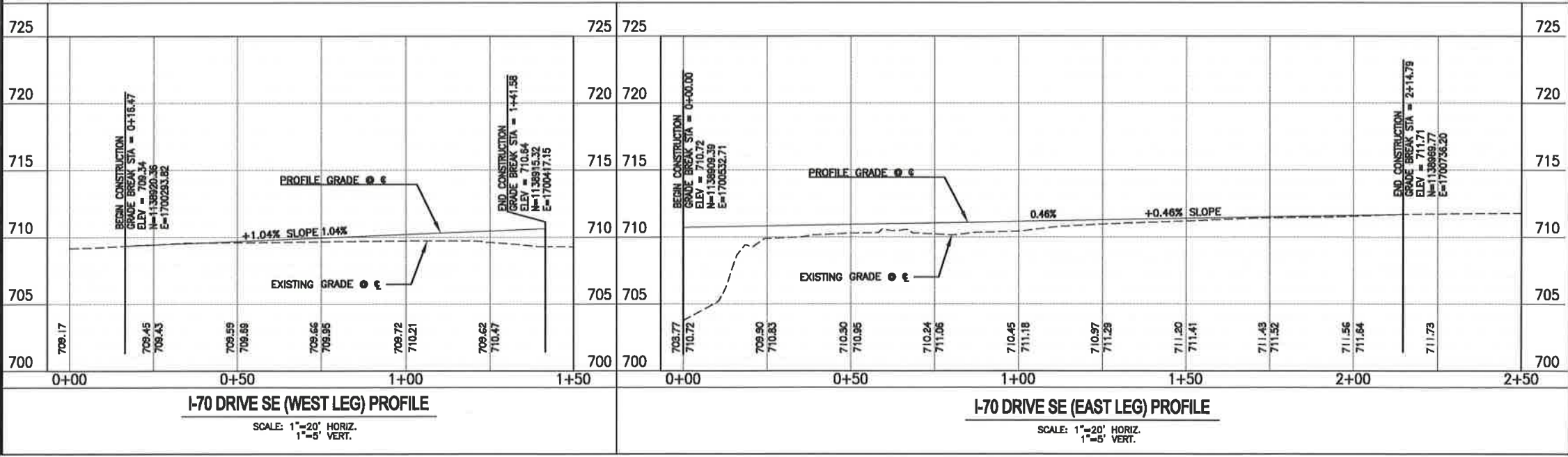
**NE QTR SEC 8-48-12**  
**LOT 1 DRURY SUBDIVISION PLAT 1**  
**RECORDED IN PLAT BOOK 50 PG 36**

- 1 SAWCUT & REMOVE EXISTING PAVEMENT PER PLAN
- 2 SAWCUT & REMOVE EXISTING SIDEWALK PER PLAN
- 3 CONSTRUCT PORTLAND CEMENT CONCRETE PAVEMENT PER PLAN DIMENSIONS, TYPICAL SECTIONS, AND CROSS SECTIONS PER SHEET X, XX
- 4 CONSTRUCT 6" WIDE CONCRETE SIDEWALK AT BACK OF CURB, ADA RAMP & DETECTABLE WARNING PER PLAN DIMENSIONS & DETAILS SHEET XX
- 5 CONSTRUCT 5" WIDE CONCRETE SIDEWALK, SIDEWALK WITH INTEGRAL CURB, ADA RAMP & DETECTABLE WARNING PER PLAN DIMENSIONS & DETAILS SHEET XX
- 6 INSTALL TYPE "A" EXPANSION JOINT PER SHEET XX
- 7 CONSTRUCT SPLITTER ISLAND BARRIER CURB AND 6" COLORED IMPRINTED CONCRETE PER DETAIL ON SHEET X
- 8 CONSTRUCT COLORED IMPRINTED CONCRETE APRON PER DETAIL ON SHEET X
- 9 REMOVE EXISTING STORM DRAINAGE PER PLAN.
- 10 CONSTRUCT STORM DRAINAGE PER PLAN & PROFILE SHEET XX.
- 11 GRADE, SEED & MULCH PER PLAN & CITY SPECIFICATION 203
- 12 INSTALL DETECTABLE WARNINGS PER SHEET XX
- 13 CONSTRUCT 7" THICK CONCRETE COMMERCIAL MOSER'S EAST DRIVEWAY PER PLAN DETAILS & PROFILE ON SHEET XX.
- 14 FIRE HYDRANT WILL BE RELOCATED BY CITY.
- 15 CONSTRUCT STORM SWALE PER SHEET XX.
- 16 REMOVE TOP & CAP EXISTING AREA INLET WITH REINFORCED CONCRETE SLAB.
- 17 REMOVE EXISTING SS MH 4029 AND INSTALL NEW STANDARD SS MH PER CITY SPECIFICATIONS. CONNECT EXISTING SS PIPE WITH A NEW PIPE.  
TOP = 710.80  
FL IN (EAST) = 701.15  
FL OUT (WEST) = 700.68  
N=1138847.25, E=1700511.96

SEE SHEET X FOR STORM DRAINAGE NOTES AND PROFILES

CONTRACTOR TO VERIFY UNDERGROUND UTILITIES DEPTH & LOCATION

ALL TREES, BUSHES AND SHRUBS LOCATED WITHIN THE GRADING LIMITS CAN BE REMOVED ONLY IF NECESSARY TO FACILITATE CONSTRUCTION. CHECK THE PLAN SHEETS FOR TREES AND SHRUBS SPECIFICALLY NOTED EITHER "DO NOT DISTURB" OR MARKED WITH A BOLD "X" TO BE REMOVED. THE CONTRACTOR SHALL USE CARE TO MINIMIZE THE IMPACT TO AND THE REMOVAL OF TREES. THE CONSTRUCTION INSPECTOR SHALL VERIFY ALL REMOVALS.



Revision	
By	
Date	
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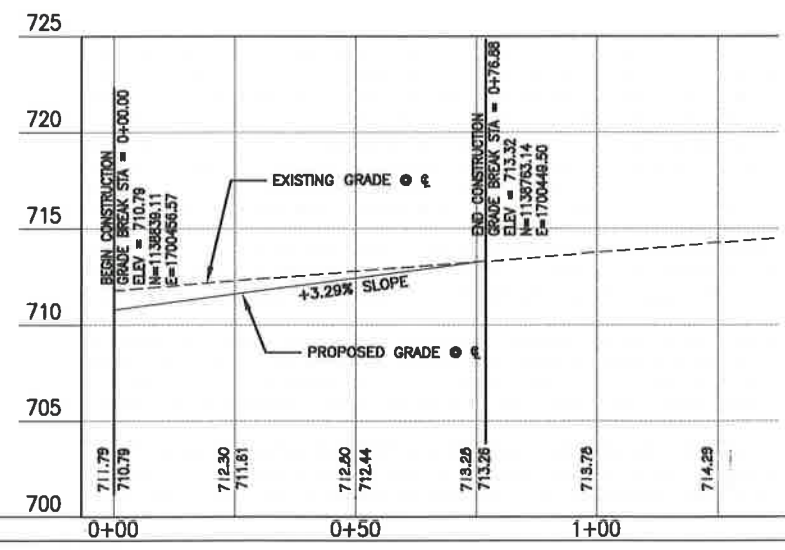
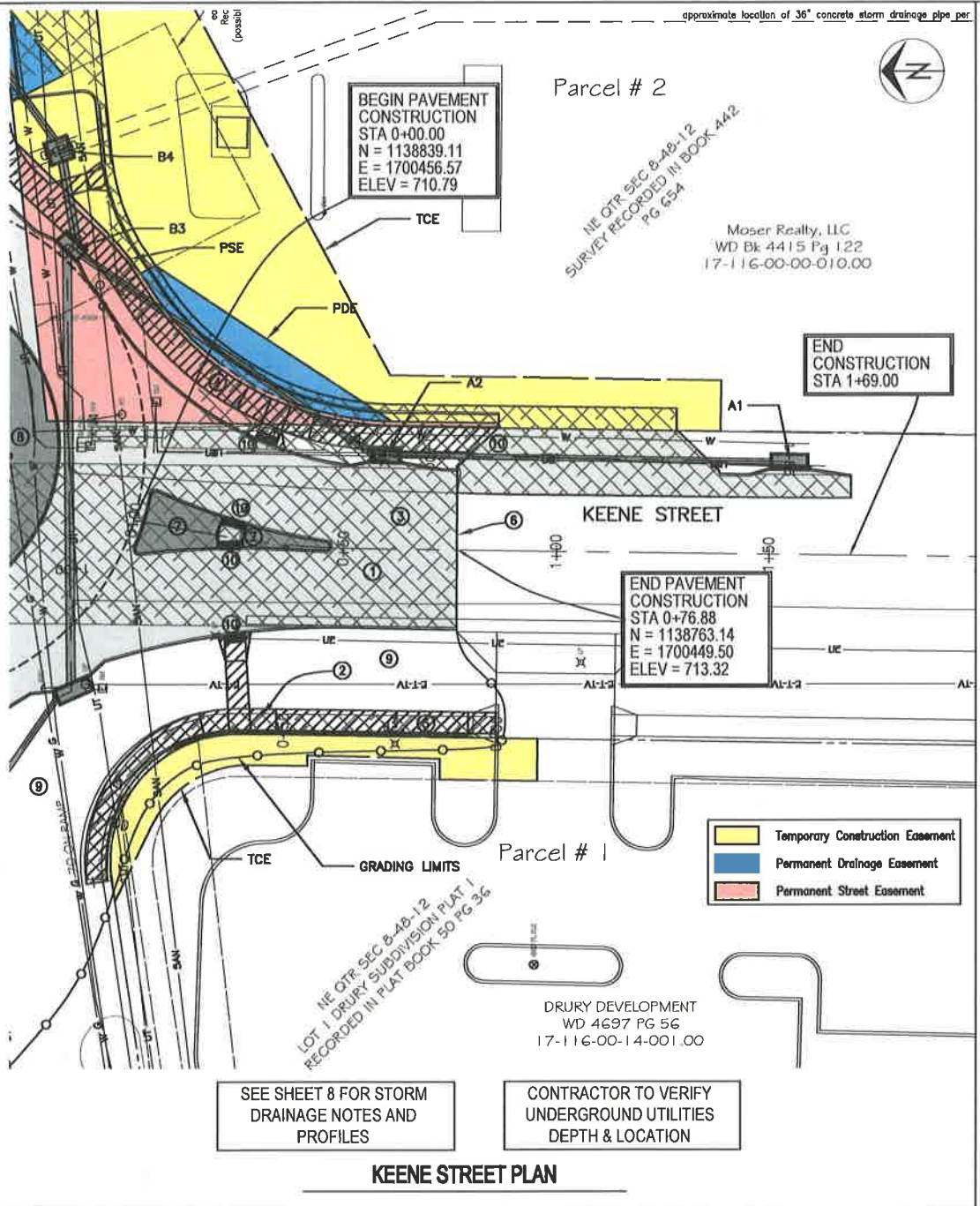
**KEENE ST. & I-70 DR. SE ROUNDABOUT**  
Plan & Profile - West and East Legs  
Federal Project No. 2100525

City of Columbia, Missouri  
Department of Public Works

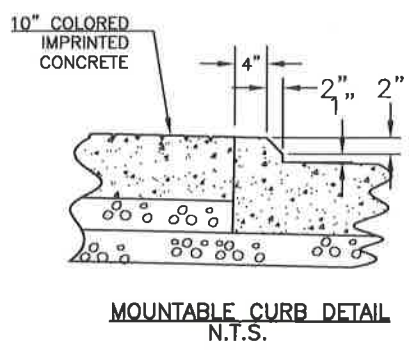
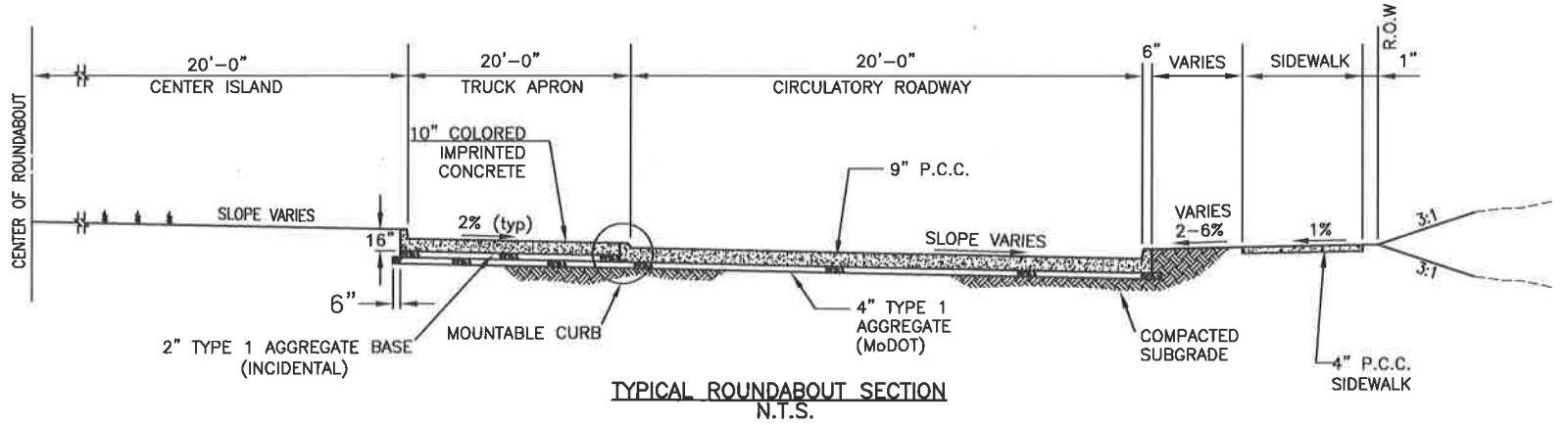
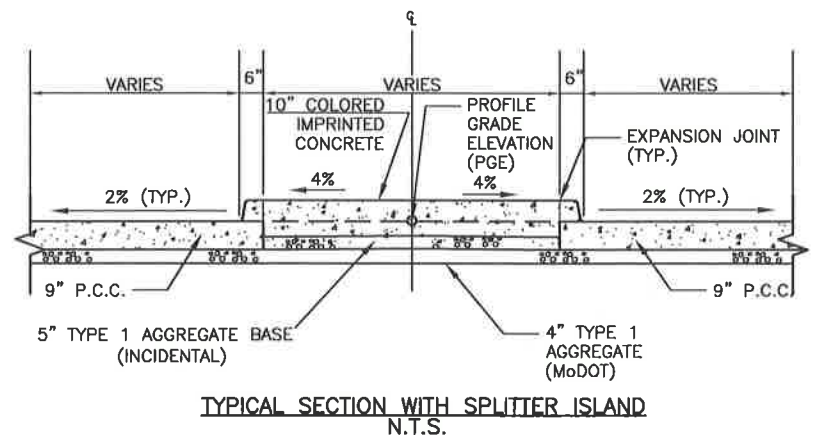
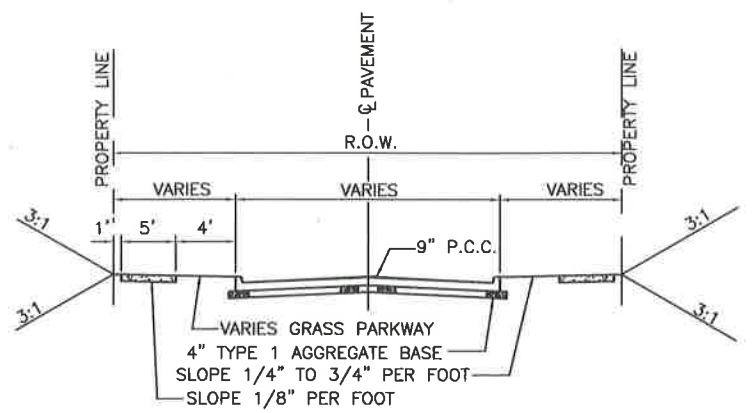
David Allen Nichols  
Registered Professional Engineer  
E-24212

Project No. 00658  
Scale: 1" = 20'  
Date: 10/02/18  
Des. A.N.H.  
Dwn. J.L.H.  
Chk. A.A.A.





- SAWCUT & REMOVE EXISTING PAVEMENT PER PLAN
- REMOVE EXISTING SIDEWALK PER PLAN
- CONSTRUCT PORTLAND CEMENT CONCRETE PAVEMENT PER PLAN DIMENSIONS, TYPICAL SECTIONS, AND CROSS SECTIONS PER SHEETS
- CONSTRUCT 6" WIDE CONCRETE SIDEWALK AT BACK OF CURB, ADA RAMP & DETECTABLE WARNING PER PLAN DIMENSIONS & DETAIL SHEET
- CONSTRUCT 5" WIDE CONCRETE SIDEWALK, ADA RAMP & DETECTABLE WARNING PER PLAN DIMENSIONS & DETAIL SHEET
- INSTALL TYPE "A" EXPANSION JOINT PER SHEET
- CONSTRUCT SPLITTER ISLAND BARRIER CURB AND 6" COLORED IMPRINTED CONCRETE PER DETAIL ON SHEET
- CONSTRUCT COLORED IMPRINTED CONCRETE APRON PER DETAIL ON SHEET
- GRADE, SEED & MULCH PER PLAN & CITY SPECIFICATION 203
- INSTALL DETECTABLE WARNINGS PER SHEET



Revision	By	Date	No.

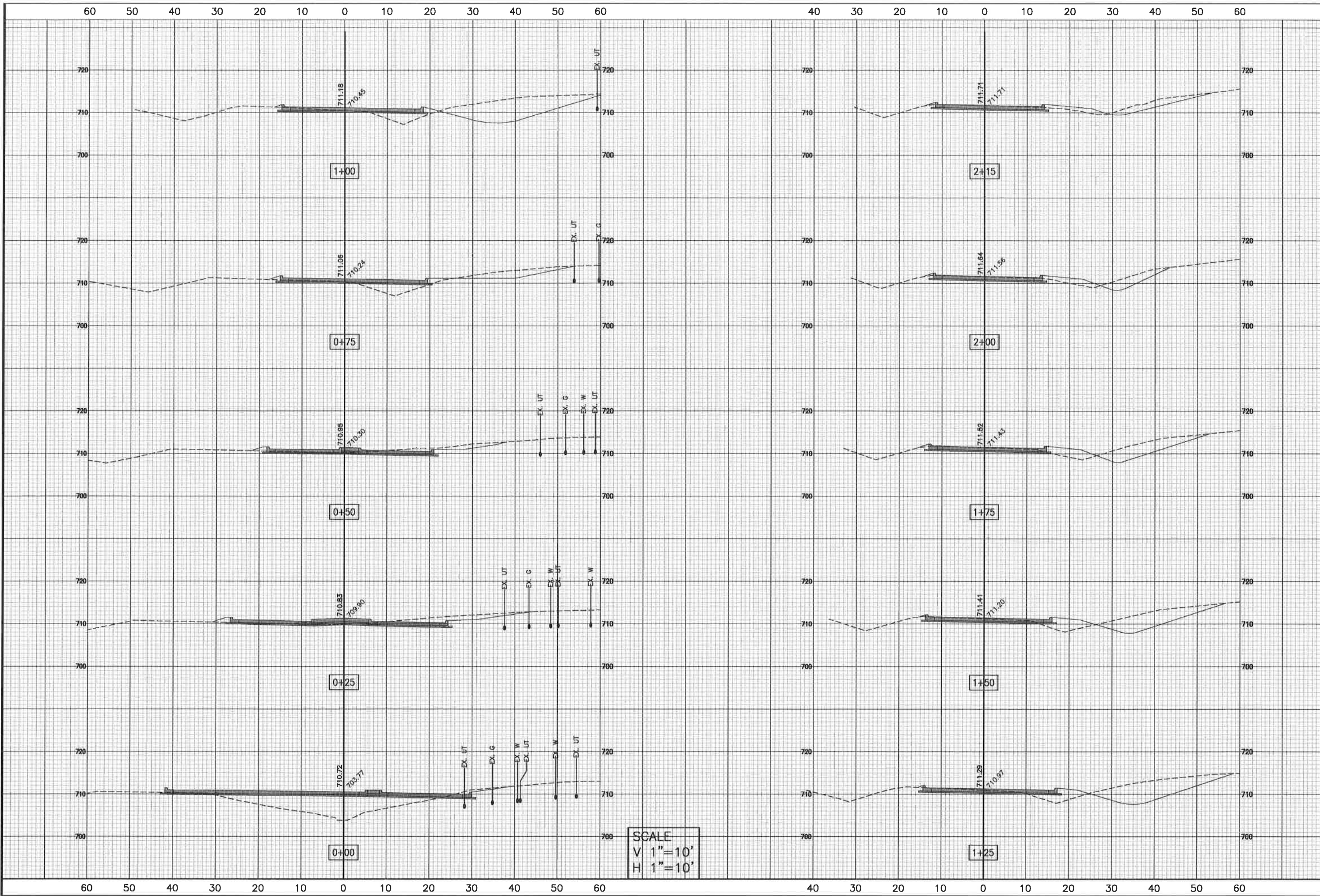
**KEENE ST. & I-70 DR. SE ROUNDABOUT**  
 Plan & Profile - Keene St. - South Leg & Typical Sections  
 Federal Project No. 2100525

City of Columbia, Missouri  
 Department of Public Works

David Allen Nichols  
 Registered Professional Engineer  
 E-24212

Project No. 00858  
 Scale: 1" = 20'  
 Date: 10/02/18  
 Des. A.N.H.  
 Dwn. J.L.H.  
 Chk. A.A.A.





SCALE  
 V 1" = 10'  
 H 1" = 10'

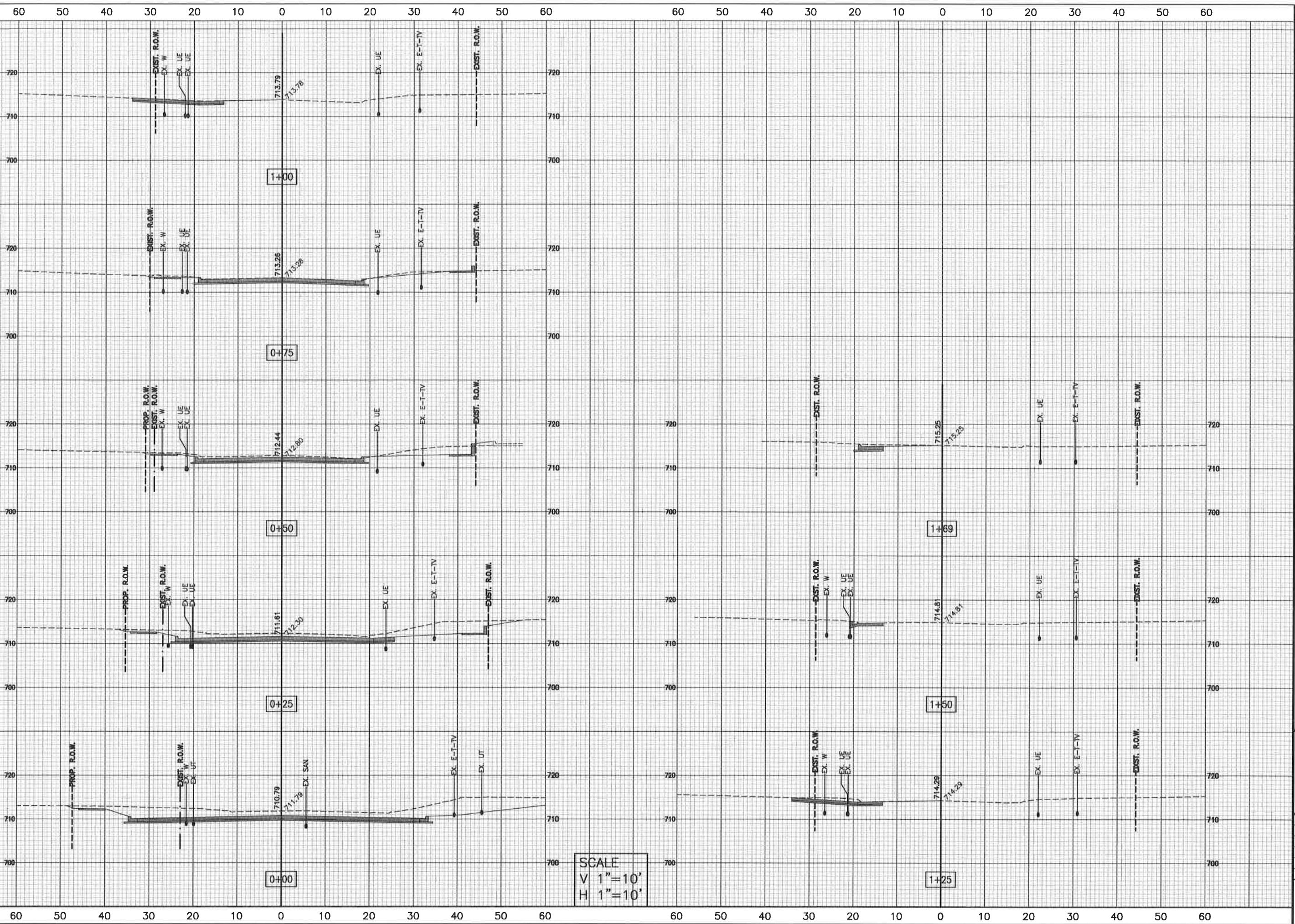
Revision	By	Date	No.

**KEENE ST. & I-70 DR. SE ROUNDABOUT**  
 Cross Sections - East Leg Sta. 0+00 To Sta. 2+15  
 Federal Project No. 2100525

City of Columbia, Missouri  
 Department of Public Works

Project No.	00658
Scale:	AS SHOWN
Date:	10/02/2018
Des.	A.N.H.
Dwn.	G.R.K.
Chk.	AAA





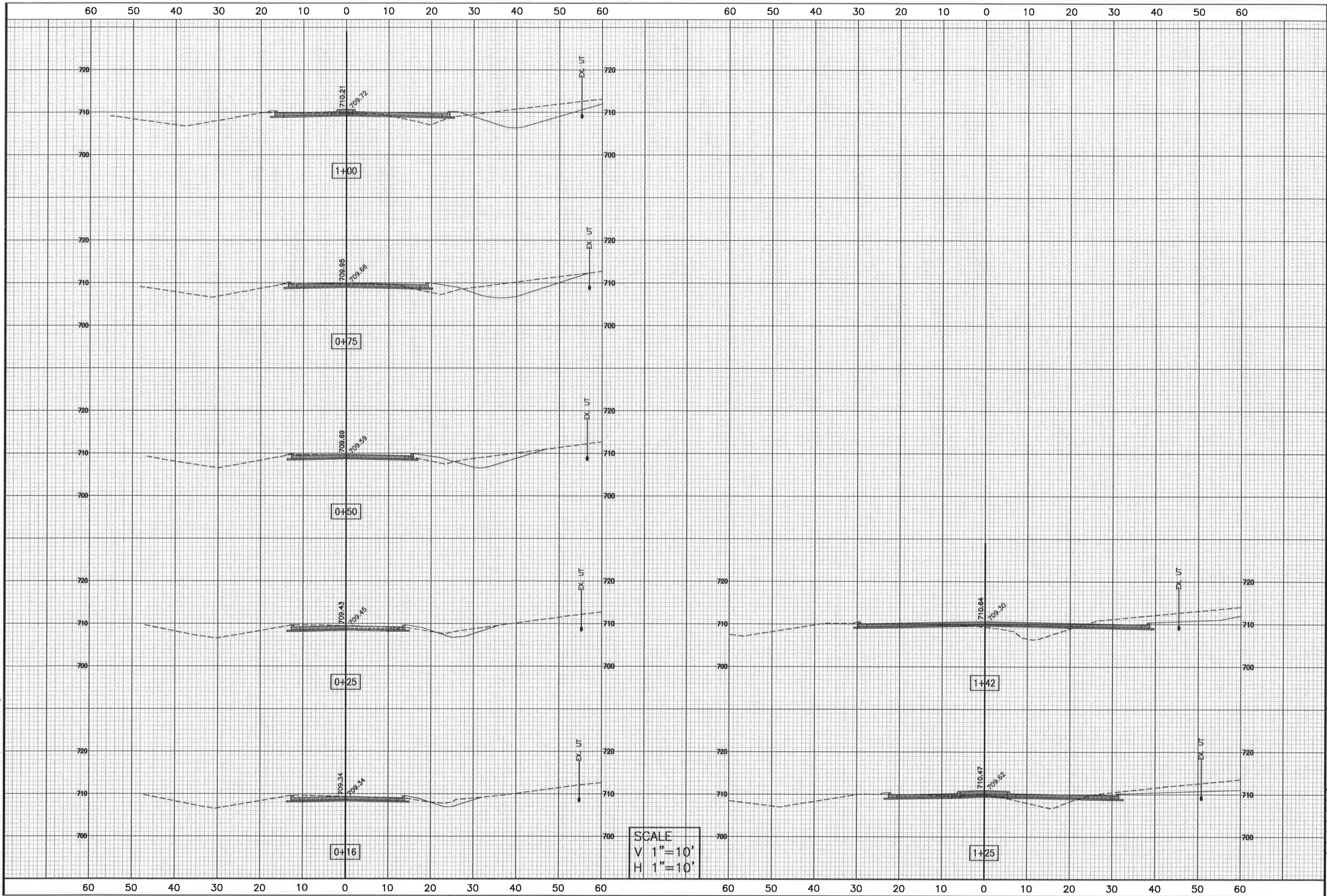
No.	Date	By	Revision

**KEENE ST. & I-70 DR. SE ROUNDABOUT**  
 Cross Sections - South Leg Sta. 0+00 To Sta. 1+69  
 Federal Project No. 2100525

City of Columbia, Missouri  
 Department of Public Works

Project No.	00658
Scale:	AS SHOWN
Date:	10/02/2018
Des.	A.N.H.
Dwn.	G.R.K.
Chk.	AAA.





SCALE  
 V 1"=10'  
 H 1"=10'

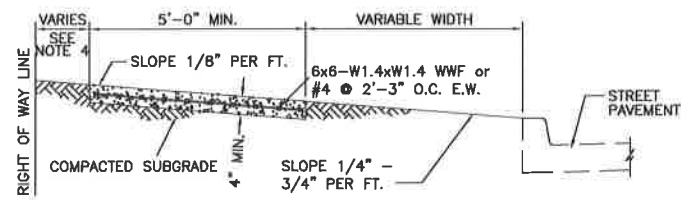
Revision	By	Date	No.

**KEENE ST. & I-70 DR. SE ROUNDABOUT**  
 Cross Sections - West Leg Sta. 0+16 To Sta. 1+42  
 Federal Project No. 2100525

City of Columbia, Missouri  
 Department of Public Works

Project No.	00858
Scale:	AS SHOWN
Date:	10/02/2018
Des.	A.N.H.
Dwn.	G.R.K.
Chk.	AAA

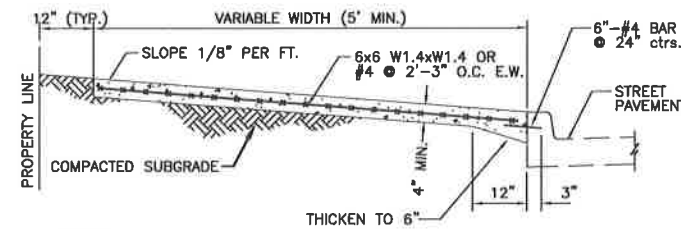




NOTE:

1. SIDEWALK SHALL BE 4" THICK CLASS A CONCRETE.
2. INSTALL 1/2" EXPANSION JOINTS AT INTERSECTIONS, RAMPS, STRUCTURES, DRIVEWAY APPROACHES, OR EVERY 150'.
3. INSTALL TRANSVERSE SAW JOINTS AT SPACING EQUAL TO SIDEWALK WIDTH.
4. STANDARD SIDEWALK PLACEMENT IS 12" FROM RIGHT OF WAY LINE.
5. NO STEEL TO BE PLACED THROUGH EXPANSION JOINT.
6. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.00%.

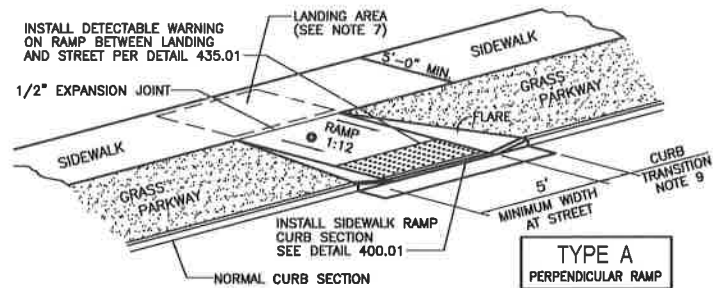
**SIDEWALK WITH GRASS PARKWAY**



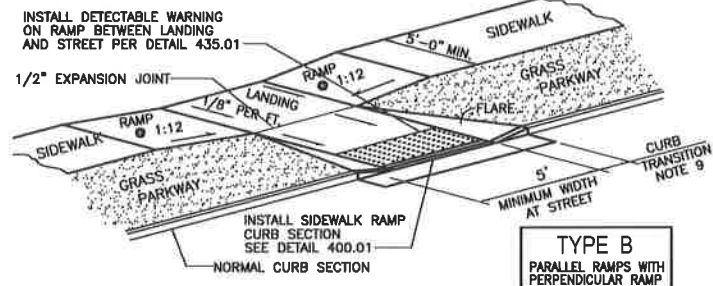
NOTE:

1. SIDEWALK SHALL BE 4" THICK CLASS A CONCRETE.
2. INSTALL 1/2" TRANSVERSE EXPANSION JOINTS TO MATCH STREET OR CURB AND GUTTER EXPANSION JOINTS AND AT ALL DRIVEWAY APPROACHES, AND SIDEWALK RAMPS.
3. INSTALL TRANSVERSE SAW JOINTS AT SPACING EQUAL TO SIDEWALK WIDTH.
4. FOR DOWNTOWN SIDEWALK DETAIL SEE SECTION 1000.
5. NO STEEL TO BE PLACED THROUGH EXPANSION JOINT.
6. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.00%.

**SIDEWALK AT BACK OF CURB**



**TYPE A PERPENDICULAR RAMP**

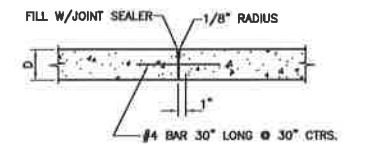
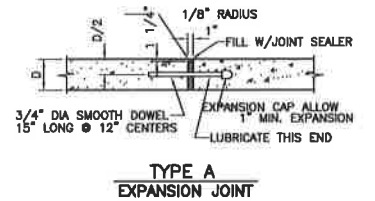
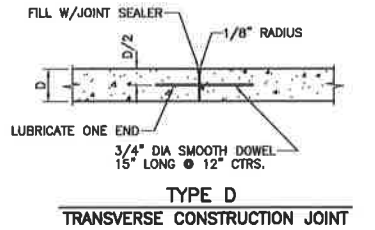
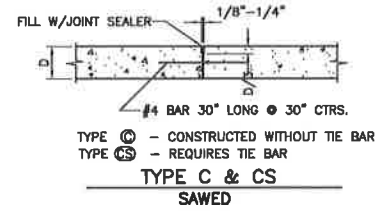


**TYPE B PARALLEL RAMPS WITH PERPENDICULAR RAMP**

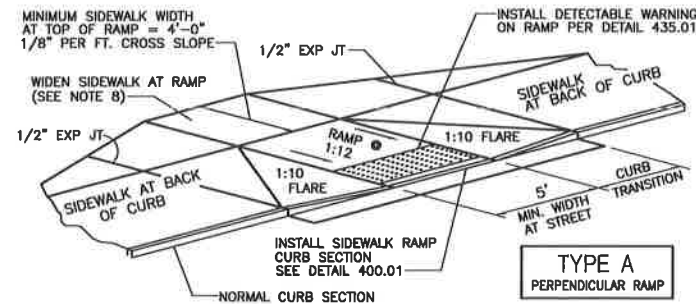
NOTE:

1. RAMP SHALL BE 6" THICK CLASS A CONCRETE WITH #4 BARS AT 12" O.C. E.W.
2. EXPANSION JOINT SHALL BE 1/2" PREFORMED CORK OR BITUMINOUS EXPANSION JOINT MATERIAL.
3. ALL SLOPES ARE MEASURED FROM THE HORIZONTAL.
4. REPLACE STANDARD CURB SECTION WITH SIDEWALK RAMP CURB SECTION - DETAIL 400.01
5. RAMP LENGTH IS DEPENDENT ON 1:12 MAX. SLOPE. USE FLATTER WHEN POSSIBLE.
6. LANDING AREA AT TOP OF RAMP SHALL BE 4'-0" MIN WIDTH, CROSS SLOPE OF LANDING SHALL NOT EXCEED 2.00%.
7. TYPE "A" RAMP NOT APPLICABLE IF PARKWAY WIDTH DOES NOT PROVIDE ENOUGH LENGTH FOR PERPENDICULAR RAMP AT 1:12 SLOPE.
8. FLARES ARE REQUIRED AT RAMPS TO KEEP GRASS PARKWAY SLOPES IN CONFORMANCE WITH THE TYPICAL CROSS SECTION.
9. CURB TRANSITION LENGTH IS DEPENDENT ON FLARE SLOPE.

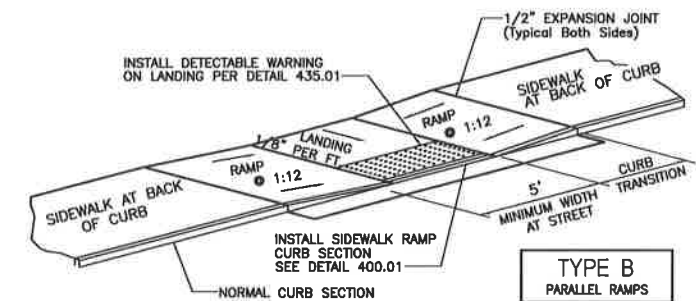
**MIDBLOCK SIDEWALK RAMP**  
Sidewalk with Grass Parkway



**JOINT DETAILS**



**TYPE A PERPENDICULAR RAMP**

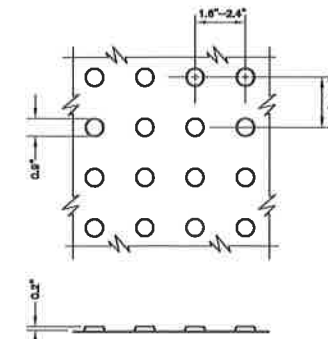


**TYPE B PARALLEL RAMPS**

NOTE:

1. RAMP SHALL BE 4" THICK CLASS A CONCRETE REINFORCED SAME AS SIDEWALK.
2. EXPANSION JOINT SHALL BE 1/2" PREFORMED CORK OR BITUMINOUS EXPANSION JOINT MATERIAL.
3. MAXIMUM RAMP CROSS SLOPE IS 2.00%.
4. ALL SLOPES ARE MEASURED FROM THE HORIZONTAL.
5. REPLACE STANDARD CURB SECTION WITH SIDEWALK RAMP CURB SECTION - DETAIL 400.01
6. RAMP LENGTH IS DEPENDENT ON 1:12 MAX. SLOPE. USE FLATTER WHEN POSSIBLE.
7. LANDING AREA SHALL BE 4'-0" MIN WIDTH, CROSS SLOPE OF LANDING SHALL NOT EXCEED 2.00%.
8. TYPE "A" RAMP NOT APPLICABLE WHEN NORMAL SIDEWALK WIDTH DOES NOT PROVIDE 4'-0" LANDING AT THE TOP OF RAMP, WIDEN SIDEWALK OR USE TYPE "B" RAMP.
9. 1:10 FLARES ARE REQUIRED ON TYPE "A" RAMPS.

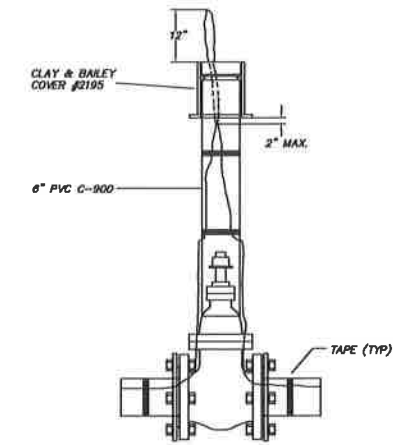
**MIDBLOCK SIDEWALK RAMP**  
Sidewalk at Back of Curb



NOTE:

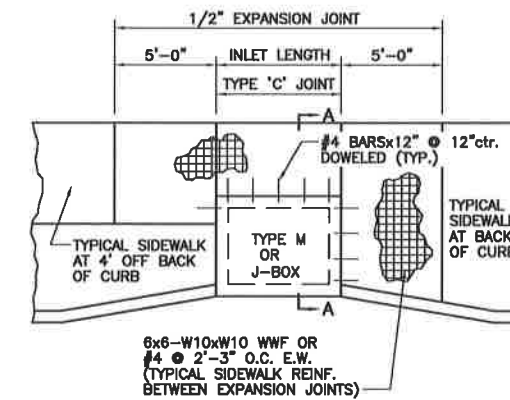
1. DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF 0.9", A HEIGHT OF NOMINAL 0.2", AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35", AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, ACHIEVED BY THE INSTALLATION OF ADA SOLUTIONS 2438 REPR, 2448 REPR, OR 2480 REPR (OR APPROVED EQUAL) AND SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
2. ADA SOLUTIONS 24RADREPR OR APPROVED EQUAL TO BE USED WITH DETAIL 430.02, 432.02, AND 1000.08.
3. STAMPED CONCRETE IS NOT AN APPROVED EQUAL.
4. DOWNTOWN DETECTABLE WARNINGS MAY BE ADA 2004 COMPLIANT DETECTABLE WARNING PAVERS.
5. DETECTABLE WARNING PLATS ARE TO BE COLONIAL OR BRICK RED IN COLOR OR APPROVED EQUAL.
6. DETECTABLE WARNING SURFACES SHALL BE 24" WIDE AND EXTEND THE FULL LENGTH OF THE PUBLIC USE AREA.

**DETECTABLE WARNING**

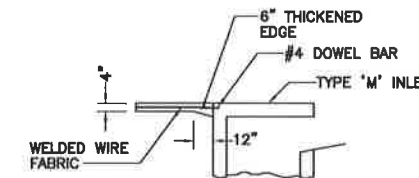


THE WIRE SHALL BE LOOPED INTO EACH VALVE BOX THROUGH A HOLE JUST BELOW THE COVER WITH ENOUGH WIRE TO EXTEND 12" ABOVE FINAL GRADE.

**WATER VALVE BOX AND LOCATOR WIRE**



**PLAN VIEW**



**SECTION A-A**

NOTES:

1. SIDEWALK SHALL BE 4" THICK CLASS A CONCRETE
2. REINFORCING STEEL SHALL BE GRADE 60

**SIDEWALK REINFORCEMENT**  
AT DRAINAGE STRUCTURE

Revision	
By	
Date	
No.	

**KEENE ST. & I-70 DR. SE ROUNDABOUT**

Details  
Federal Project No. 2100625

City of Columbia, Missouri

Department of Public Works

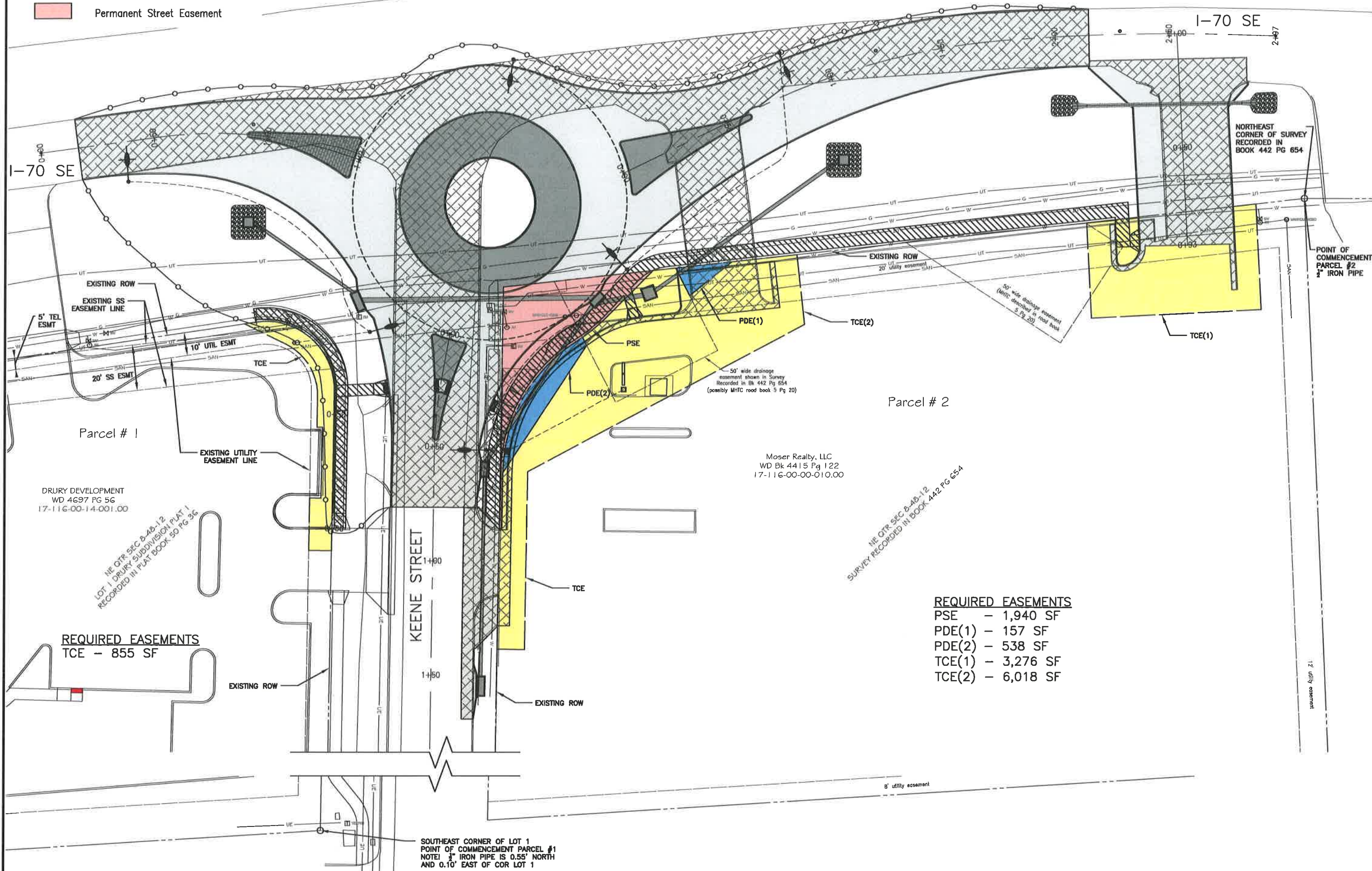
David Allen Nichols  
Registered Professional Engineer  
E-24212

Project No.	00658
Scale:	N.T.S.
Date:	10/02/18
Des.	A.N.H.
Dwn.	J.L.H.
Chk.	A.A.A.



- Temporary Construction Easement
- Permanent Drainage Easement
- Permanent Street Easement

INTERSTATE 70



DRURY DEVELOPMENT  
WD 4697 PG 56  
17-116-00-14-001.00

NE QTR SEC 8-48-12  
LOT 1 DRURY SUBDIVISION PLAT 1  
RECORDED IN PLAT BOOK 50 PG 26

**REQUIRED EASEMENTS**  
TCE - 855 SF

Moser Realty, LLC  
WD Bk 4415 Pg 122  
17-116-00-00-010.00

NE QTR SEC 8-48-12  
SURVEY RECORDED IN BOOK 442 PG 654

**REQUIRED EASEMENTS**  
PSE - 1,940 SF  
PDE(1) - 157 SF  
PDE(2) - 538 SF  
TCE(1) - 3,276 SF  
TCE(2) - 6,018 SF

SOUTHEAST CORNER OF LOT 1  
POINT OF COMMENCEMENT PARCEL #1  
NOTE: 1/2" IRON PIPE IS 0.55' NORTH  
AND 0.10' EAST OF COR LOT 1

Revision	
By	
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No.	




**KEENE ST. & I-70 DR. SE ROUNDABOUT**  
Right Of Way Plan  
Federal Project No. 2100625

City of Columbia, Missouri  
Department of Public Works

David Allen Nichols  
Registered Professional Engineer  
E-24212  
Project No. 00858  
Scale: 1" = 20'  
Date: 10/02/18  
Des. A.N.H.  
Dwn. J.L.H.  
Chk. A.A.A.



o:\caddproj\street\keene & i-70 drive se intersection 320114\row\keene and i70 row base-tyler.dwg

-  Temporary Construction Easement
-  Permanent Drainage Easement
-  Permanent Street Easement

INTERSTATE 70 DR SE



NORTHEAST CORNER OF SURVEY RECORDED IN BOOK 442 PG 654

Point of Beginning

N83°43'10"E  
66.05'

S83°43'10"W  
286.92'

POINT OF COMMENCEMENT  
PARCEL #2  
1/2" IRON PIPE

S44°56'10"W  
29.55'

50' wide drainage easement  
(MHTC described in Road Book 5 Pg 20)

L=16.17'  
CH=S51°24'50"W  
16.14'  
R=71.50'

Parcel # 2

NE QTR SEC 8-48-12  
SURVEY RECORDED IN BOOK 442  
PG 654

50' wide drainage easement shown in Survey Bk 442 Pg 654 (possibly MHTC Road Book 5 Pg 20)

Moser Realty, LLC  
WD Bk 4415 Pg 122  
17-116-00-00-010.00


N00°56'05"E  
106.39'

L=68.57'  
CH=S29°25'35"W  
65.78'  
R=69.00'

S00°57'30"W  
25.35'

N89°03'55"W  
1.17'

N KEENE ST

 City of Columbia, Missouri  
Department of Public Works

**KEENE/I-70 ROUNDABOUT  
EASEMENT DIAGRAM**

Scale: 1"=30' | Dwn: T.L.W. | Date: 10/02/18

**ANNEXURE - A**

2011 Orthophoto Source: Boone County Assessor

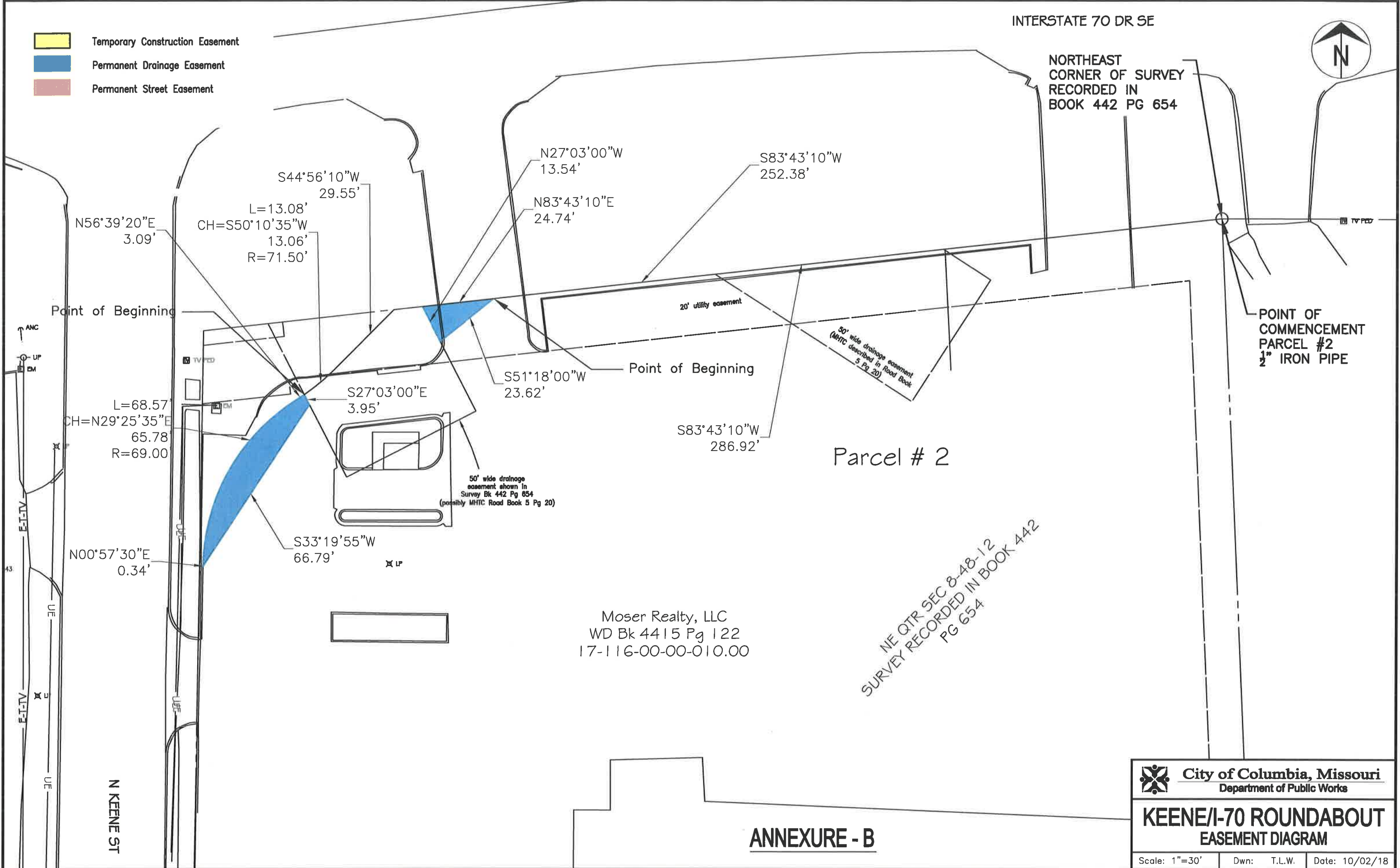


- Temporary Construction Easement
- Permanent Drainage Easement
- Permanent Street Easement

INTERSTATE 70 DR SE



NORTHEAST  
CORNER OF SURVEY  
RECORDED IN  
BOOK 442 PG 654



POINT OF  
COMMENCEMENT  
PARCEL #2  
1/2" IRON PIPE

Parcel # 2

Moser Realty, LLC  
WD Bk 4415 Pg 122  
17-116-00-00-010.00

NE QTR SEC 8-48-12  
SURVEY RECORDED IN BOOK 442  
PG 654




c:\caddpro\street\keene & i-70 drive se intersection 320114\row\keene and i70 row base-tyler.dwg

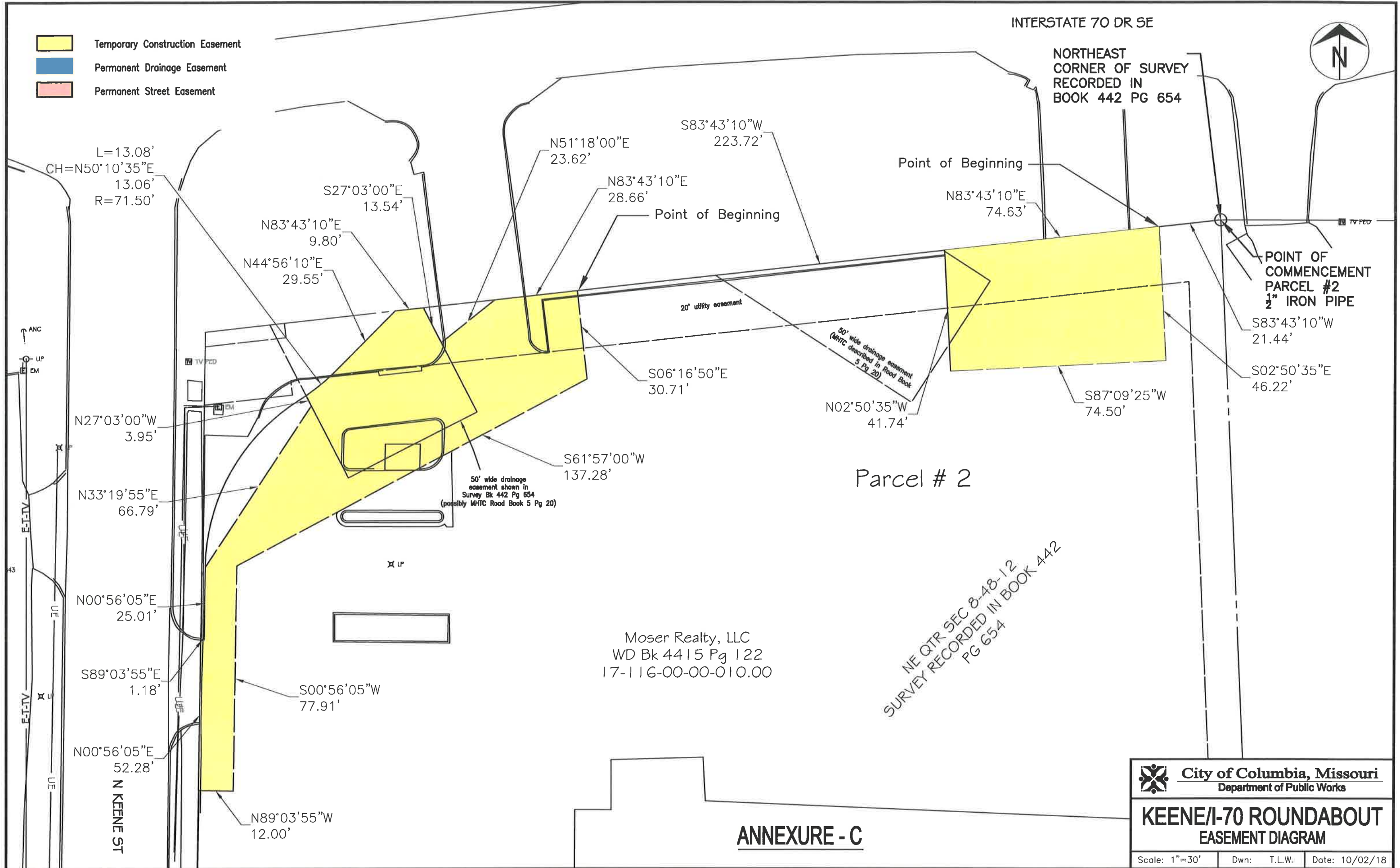
<b>City of Columbia, Missouri</b> Department of Public Works		
<b>KEENE/I-70 ROUNDABOUT EASEMENT DIAGRAM</b>		
Scale: 1"=30'	Dwn: T.L.W.	Date: 10/02/18

**ANNEXURE - B**




o:\caddproj\street\keene & i-70 drive se intersection 320114\row\keene and i70 row base-tyler.dwg

-  Temporary Construction Easement
-  Permanent Drainage Easement
-  Permanent Street Easement



### ANNEXURE - C

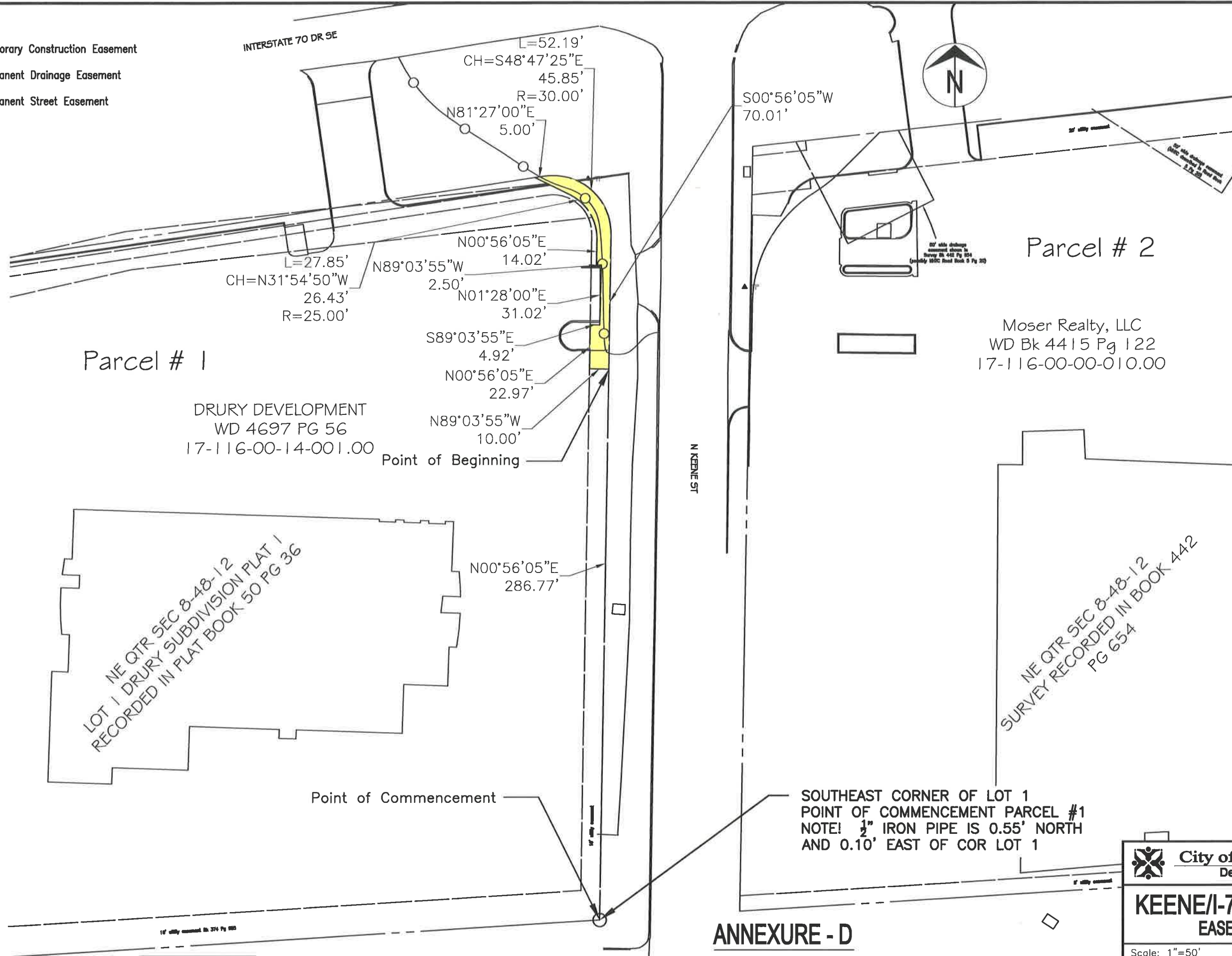
 **City of Columbia, Missouri**  
 Department of Public Works

**KEENE/I-70 ROUNDABOUT  
 EASEMENT DIAGRAM**

Scale: 1"=30'    Dwn: T.L.W.    Date: 10/02/18




- Temporary Construction Easement
- Permanent Drainage Easement
- Permanent Street Easement



c:\caddproj\street\keene & i-70 drive se intersection 320114\row\keene and i70 row base-tyler.dwg

**ANNEXURE - D**


**City of Columbia, Missouri**  
 Department of Public Works

KEENE/I-70 ROUNDABOUT  
 EASEMENT DIAGRAM

Scale: 1"=50'      Dwn: T.L.W.      Date: 10/02/18