RESOLUTION 360

A RESOLUTION OF THE CITY COUNCIL OF CHESTERFIELD, MISOURI APPROVING AMENDMENT TO A CERTAIN SETTLEMENT AND RELEASE
Dated, February 9, 2006

WHEREAS, the City of Chesterfield, Missouri and THF Realty, Inc. entered into a Settlement and Mutual Release dated February 9, 2006 ("Settlement Agreement"), in connection with the Chesterfield Valley Redevelopment Plan; and

WHEREAS, THF Realty, Inc. seeks an amendment to the Settlement Agreement with respect to scheduled improvements to RHL Drive as set forth in Exhibits D and E thereto; and

WHEREAS, City staff has reviewed and revised Exhibits D and E and recommends said amendment to the Settlement Agreement be approved;

THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, MISSOURI, AS FOLLOWS:

Section 1. The City Council hereby approves an amendment to the Settlement Agreement, with respect to RHL Drive specifically, Exhibits D and E as substantially set forth in a certain letter from Jeffrey P. Otto on behalf of THF Realty, Inc. to Michael Geisel, Director of Planning and Public Works, dated July 27, 2009 (the "Amendment").

Section 2. The City Administrator or his authorized agent is hereby authorized and directed to execute the Amendment in substantially the form received with such changes and modifications as authorized and approved by the City Administrator as are deemed necessary and desirable to fulfill the spirit and intent of this Resolution, the signatures of the officers of the City there upon being sufficient evidence of such authorization and approval.

Passed and approved this 17th day of August, 2009.

CITY OF CHESTERFIELD, MISOURI

By: _____
Mayor

ATTEST:

_____
City Clerk

ACKNOWLEDGED AND AGREED TO
THIS 21st DAY OF AUGUST 2009.

City of Chesterfield, Missouri

By: _____
Michael G. Herring, City Administrator

Cc: Mike Geisel
Jim Mello
Michael Staenberg

ROADWAY IMPROVEMENT PLAN

RHL DRIVE AT CHESTERFIELD AIRPORT ROAD (3/4 ACCESS)

CHESTERFIELD, MISSOURI

INDEX OF SHEETS

	DESCRIPTION
1	COVER SHEET & GENERAL NOTES
2-3	TYPICAL SECTIONS
4	REMOVAL PLANS
5	PLAN SHEETS
6	PAVEMENT MARKING PLANS
7	STANDARDS

PREPARED FOR:
JEFF OTTO
THF REALTY, INC.
2127 INNERBELT BUSINESS CENTER DR
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FAX: 314-429-0999

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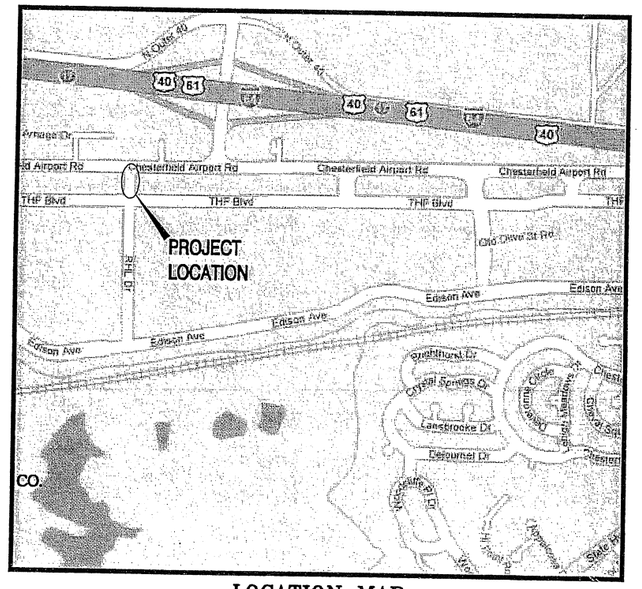
SURVEYED BY:
RICK NORVELL
VOLZ INC.
10849 Indian Head Industrial Blvd.
St. Louis, MO 63132
314-426-6212 or 1-800-467-6212
Fax: 314-890-1250
rnorvell@volzinc.com

BENCHMARK:

ST. LOUIS COUNTY BENCHMARK
12-171 460.06 - "STANDARD ALUMINUM DISK" STAMPED SL-38, 1990. DISK IS SET AT THE NORTH WEST CORNER OF CHESTERFIELD AIRPORT ROAD AND CAPRICE DRIVE.

SITE BENCHMARK
456.53 - CROSS ON CURB ON THE SOUTH SIDE OF THF BOULEVARD, 46.6 FEET SOUTH OF AND 67.9 FEET EAST OF SOUTHWEST CORNER OF LOT 102 OF "RESUBDIVISION OF LOTS 1, 2, 3, 4, 5 & 7 OF CHESTERFIELD COMMONS".

N



LOCATION MAP

(not to scale)

PROPOSED LEGEND
(SEE INDIVIDUAL PLAN SHEET FOR ADDITIONAL ITEMS)

EXISTING LEGEND

A.I.	Area Inlet		Light Standard
	Area Inlet	M.H.	Manhole
BOL	Bollard	-OU-	Overhead Utilities
CO	Clean Out	RCP	Reinforced Concrete Pipe
C.I.	Curb Inlet	ST	Storm Sewer
	Curb Inlet	TC	Top of Curb
E.M.	Electric Meter	T.P.	Telephone Pedestal
E.T.	Electric Transformer	T.S.	Traffic signal
F.H.	Fire Hydrant		
	Fire Hydrant	TSCB	Traffic Signal Control Box
	Flared End	U.M.H.	Utility Manhole
FL	Flowline	U.P.	Utility Pole
FP	Flag Pole		Utility Pole
G.I.	Grate Inlet	W.M.	Water Meter
GM	Gas Meter		Water Meter
GV	Gas Valve	W.V.	Water Valve
G.W.	Guy Wire	Y.L.	Yard Light
L.S.	Light Standard		

REMOVAL LEGEND

(TBR)	- TO BE REMOVED
(UIP)	- USE IN PLACE
PR.	- PROPOSED
EX.	- EXISTING
	- PAVEMENT REMOVAL
	- ISLAND REMOVAL
	- BIT. SURFACE REMOVAL 2"

PROPOSED LEGEND

(TBR)	- TO BE REMOVED
(UIP)	- USE IN PLACE
CONC	- CONCRETE
TEMP	- TEMPORARY
PAV'T	- PAVEMENT
PR.	- PROPOSED
EX.	- EXISTING
	- PR. PAV'T
	- PR. RESURFACING
	- PR. PCC ITEM

PAVEMENT MARKING LEGEND

SWL	- SOLID WHITE LINE
SYL	- SOLID YELLOW LINE
YSD	- YELLOW SKIP DASH
L&S	- LETTER & SYMBOLS
TEMP	- TEMPORARY
PAV'T	- PAVEMENT
PR.	- PROPOSED
EX.	- EXISTING
TYP	- TYPICAL
C.E.	- COMMERCIAL ENTRANCE
#	- PR. STALL NUMBER
	- PR. PAV'T
	- PR. RESURFACING 2"
	- PR. PCC ITEM

GENERAL NOTES

1) ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

2) DIMENSIONS ARE TO THE FACE OF CURB UNLESS STATED OTHERWISE ON THE PLANS.

3) ALL GRADED AREAS SHALL BE SODDED.

4) IF AN OPEN TRENCH CONDITION WILL REMAIN OPEN OVERNIGHT, "PAVEMENT EDGE TREATMENT" SHALL BE PROVIDED IN ACCORDANCE WITH ST. LOUIS COUNTY HIGHWAY & TRAFFIC STANDARDS.

5) THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING, BUT NOT LIMITED TO, SILTATION FABRIC FENCES. CONTROL SHALL COMMENCE WITH GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR CITY OF CHESTERFIELD/ST. LOUIS COUNTY HIGHWAY & TRAFFIC. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE OWNER AND/OR CITY OF CHESTERFIELD/ST. LOUIS COUNTY HIGHWAY & TRAFFIC MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT SHALL BE REMOVED IMMEDIATELY. ANY DEPOSITING OF SILTS OR MUD IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR CITY OF CHESTERFIELD/ST. LOUIS COUNTY HIGHWAY & TRAFFIC.

6) ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER, PROPOSED ROADS, AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACK FILLING OPERATIONS. A COPY OF THE GRADING COMPACTION TEST RESULTS SHALL BE PROVIDED TO THE OWNER AND/OR CITY OF CHESTERFIELD/ST. LOUIS COUNTY HIGHWAY & TRAFFIC.

7) NO SLOPES SHALL BE STEEPER THAN 3 (HORIZONTAL) TO 1 (VERTICAL) EXPECT AS NOTED ON THE PLANS.

8) ALL PAVING LOCATED WITHIN CITY OF CHESTERFIELD/ST. LOUIS COUNTY RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE ST. LOUIS COUNTY SPECIFICATIONS.

9) BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES.

10) PROVIDE ADEQUATE OFF-STREET PARKING FOR CONSTRUCTION EMPLOYEES. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEE VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS.

11) ANY DISTURBED OFF PROJECT PROPERTY (I.E. BUSHES, FENCES, MAILBOXES, ETC.) SHALL BE REPLACED, IN KIND.

12) THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

13) THE OFFSETS TO ALL INLETS AND MANHOLES ARE TO THE CENTER OF THE DRAINAGE STRUCTURE. A CONCENTRIC DRAINAGE STRUCTURE WAS USED TO CALCULATE THIS DISTANCE.

14) ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS ROADWAY IMPROVEMENTS.

Call BEFORE you DIG
TOLL FREE
1-800-DIG-RITE
MISSOURI ONE-CALL SYSTEM, INC.

CITY OF CHESTERFIELD CONSTRUCTION AND GRADING NOTES

1. NOTIFY THE CITY OF CHESTERFIELD DEPARTMENT OF PUBLIC WORKS & ST. LOUIS COUNTY HIGHWAY & TRAFFIC 48 HOURS PRIOR TO THE COMMENCEMENT OF GRADING AND/OR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. PARKING ON NON-SURFACED AREAS IS PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEE VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVING CONDITIONS.
3. THE STREETS SURROUNDING THIS DEVELOPMENT AND ANY STREET USED FOR CONSTRUCTION ACCESS THERETO SHALL BE KEPT FREE FROM MUD AND CONSTRUCTION DEBRIS AND SHALL BE CLEANED THROUGHOUT THE DAY.
4. ALL FILLS PLACED UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS, INCLUDING TRENCH BACKFILLS WITHIN AND OFF THE ROAD RIGHT-OF-WAY, SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557) FOR THE ENTIRE DEPTH OF THE FILL. COMPACTED GRANULAR BACKFILL IS REQUIRED IN ALL TRENCH EXCAVATION WITHIN THE STREET RIGHT-OF-WAY AND UNDER ALL PAVED AREAS. ALL TESTS SHALL BE PERFORMED UNDER THE DIRECTION OF AND VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
5. SOFT SOILS FROM THE BOTTOM AND BANKS OF ANY EXISTING OR FORMER POND SITES OR TRIBUTARIES OR ANY SEDIMENT BASINS OR TRAPS SHALL NOT BE PLACED IN PROPOSED PUBLIC RIGHT-OF-WAY LOCATIONS OR IN ANY STORM SEWER LOCATION.
6. ALL TRASH AND DEBRIS ON-SITE, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
7. ALL EXCAVATIONS, GRADING OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33%), UNLESS SPECIFICALLY APPROVED OTHERWISE.
8. NO EXCAVATION SHALL BE MADE SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PROPERTY OF ANY PUBLIC OR PRIVATE STREET WITHOUT SUPPORTING AND PROTECTING SUCH PUBLIC OR PRIVATE STREET OR PROPERTY FROM SETTLING, CRACKING OR OTHER DAMAGE.
9. ALL DISTURBED AREA WITHIN THE CITY OF CHESTERFIELD & ST. LOUIS COUNTY ROW SHALL BE SODDED.

MSD# P-0028703-00

NOT APPROVED
FOR CONSTRUCTION
DATE 6/02/09

SHEET NO. 1

Job No.	050-09-4
Date:	5/06/09
Scale:	N.T.S.
Drawn by:	GMW
Design by:	CMB
Approved by:	CMB
File Name:	PLN

REVISIONS
06-02-09
MSD 06-30-09
07-02-09

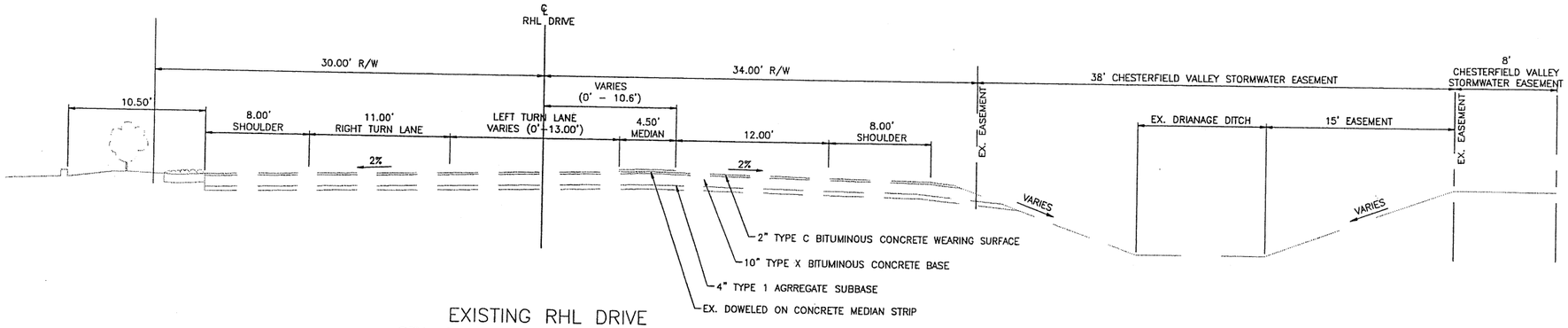
THF Realty

STATE OF MISSOURI
CHRIS M. BRAMMEIER
NUMBER E-21593
REGISTERED PROFESSIONAL ENGINEER
05-29-09

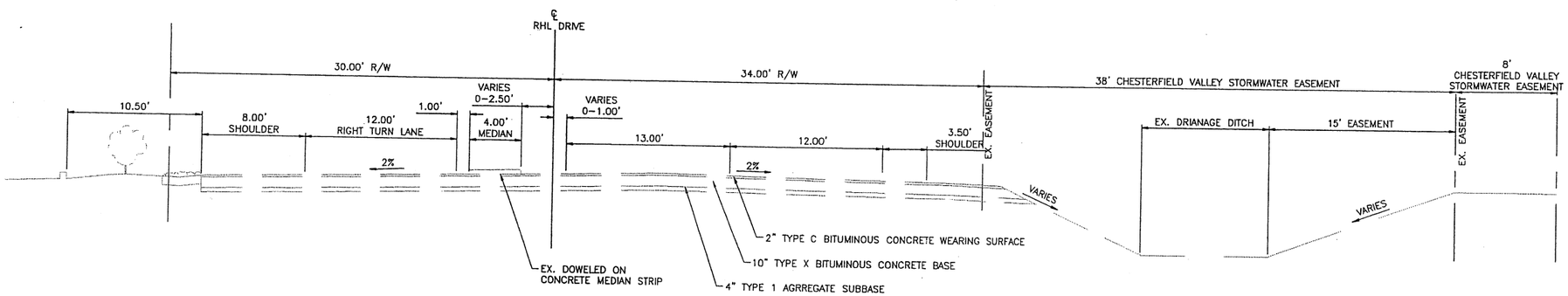
CBB Crawford, Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

RHL DRIVE (3/4 ACCESS)
COVER SHEET
RHL DRIVE
@ CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI

Exhibit A
Mr. Michael Geisel letter dated 7/27/09



EXISTING RHL DRIVE
STA 0+92.97 – STA 2+27.04



EXISTING RHL DRIVE
STA 2+27.04 – STA 3+08.90

MSD# P-0028703-00

NOT APPROVED
FOR CONSTRUCTION
DATE 6/02/09

SHEET NO.
2

Job No.	050-09-4
Date:	5/06/09
Scale:	1"=5'
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Design by:	CMB
Approved by:	CMB
File Name:	PLN

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MSD 06-30-09
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RHL DRIVE (3/4 ACCESS)
TYP SECTIONS
RHL DRIVE
@ CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI

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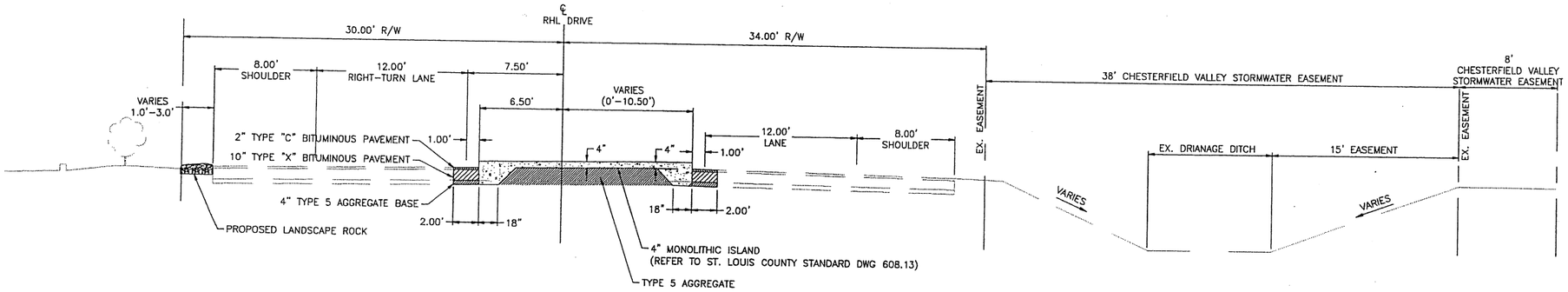
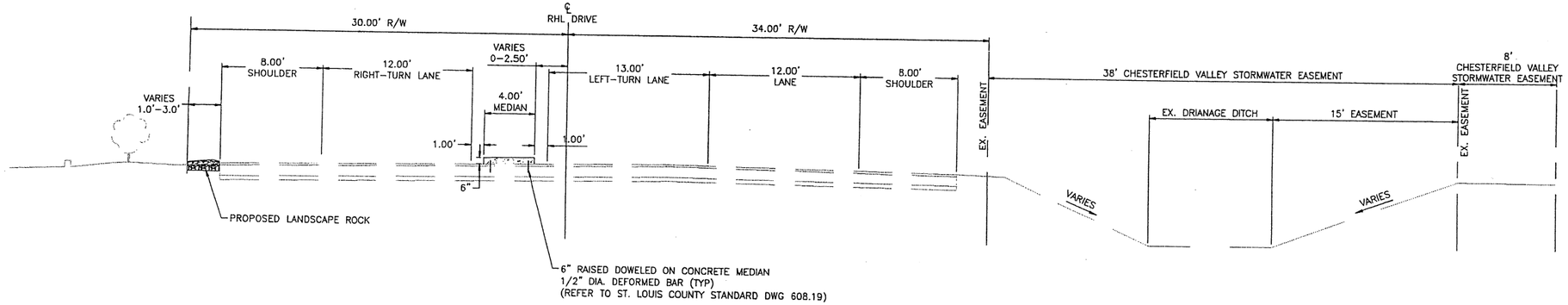


PROPOSED RHL DRIVE (PUBLIC)
STA 0+33.00 – STA 0+86.00



PROPOSED RHL DRIVE (PUBLIC)
STA 0+90 – STA 3+08.90

NOTE

1. TRANSITION MEDIAN HEIGHT FROM 4" TO 6" BETWEEN STATIONS 0+86 TO 0+90.
2. EXISTING MODULAR BLOCK WALL TO BE RELOCATED BETWEEN STATIONS 0+72.3 TO 1+20. REFER TO PLAN SHEET.

MSD# P-0028703-00

NOT APPROVED
FOR CONSTRUCTION
DATE 6/02/09

SHEET NO.
3

Job No.	050-09-4
Date:	5/06/09
Scale:	1"=5'
Drawn by:	GMW
Design by:	CMB
Approved by:	CMB
File Name:	PLN

REVISIONS
06-02-09
MSD 06-30-09
07-02-09

THF Realty

STATE OF MISSOURI
CHRIS M. BRAMMEIER
NUMBER E-27503
REGISTERED PROFESSIONAL ENGINEER
05-29-09

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RHL DRIVE (3/4 ACCESS)
TYP SECTIONS
RHL DRIVE
@ CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI

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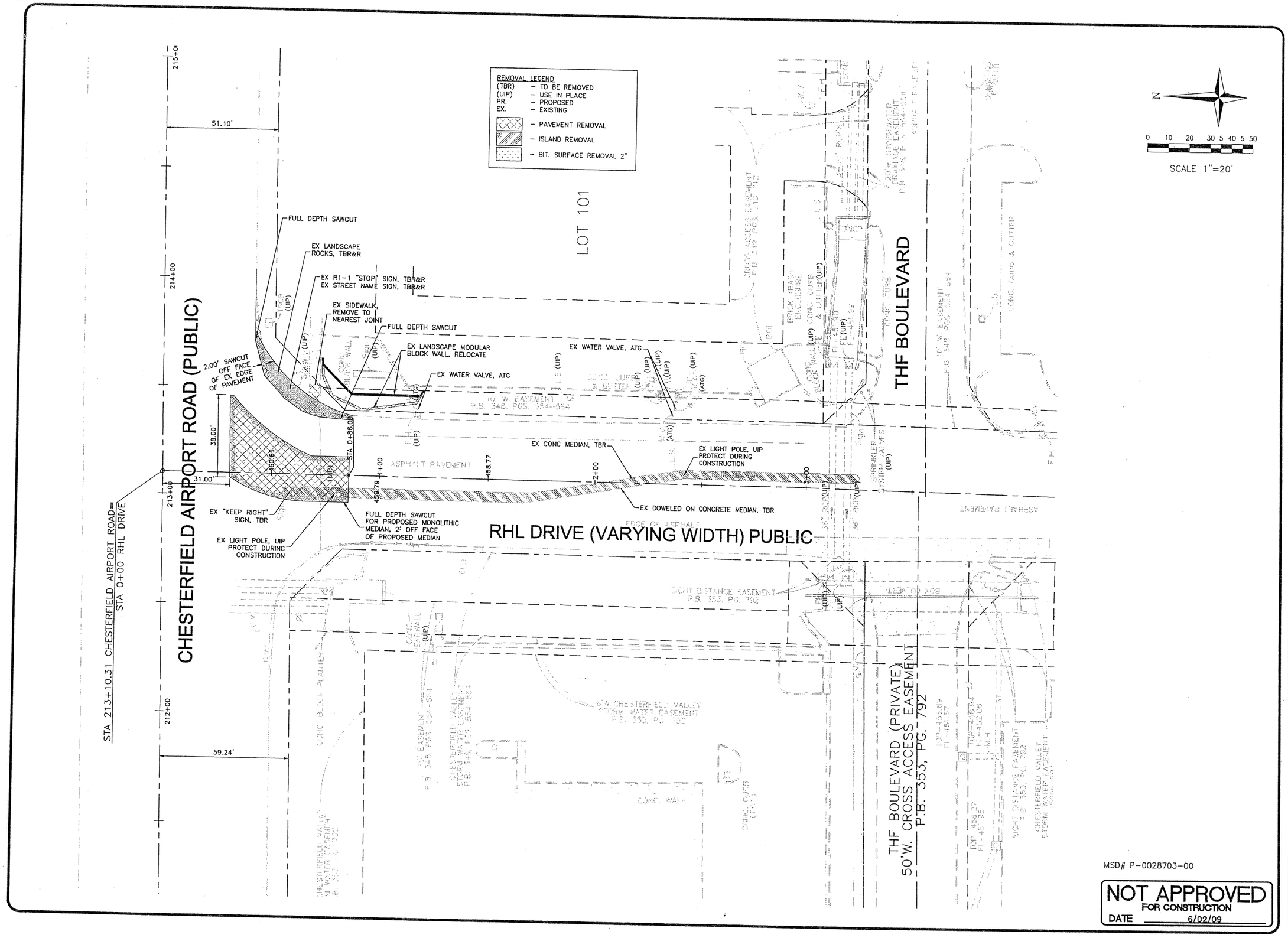

MSD# P-0028703-00

NOT APPROVED
FOR CONSTRUCTION
DATE 6/02/09

SHEET NO.
4

Job No.	050-09-4
Date:	5/06/09
Scale:	1"=20'
Drawn by:	GMW
Design by:	CMB
Approved by:	CMB
File Name:	PLN

REVISIONS
06-02-09
MSD 06-30-09
07-02-09

THF Realty

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RHL DRIVE (3/4 ACCESS)
REMOVAL PLAN
RHL DRIVE
@ CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI

Exhibit A
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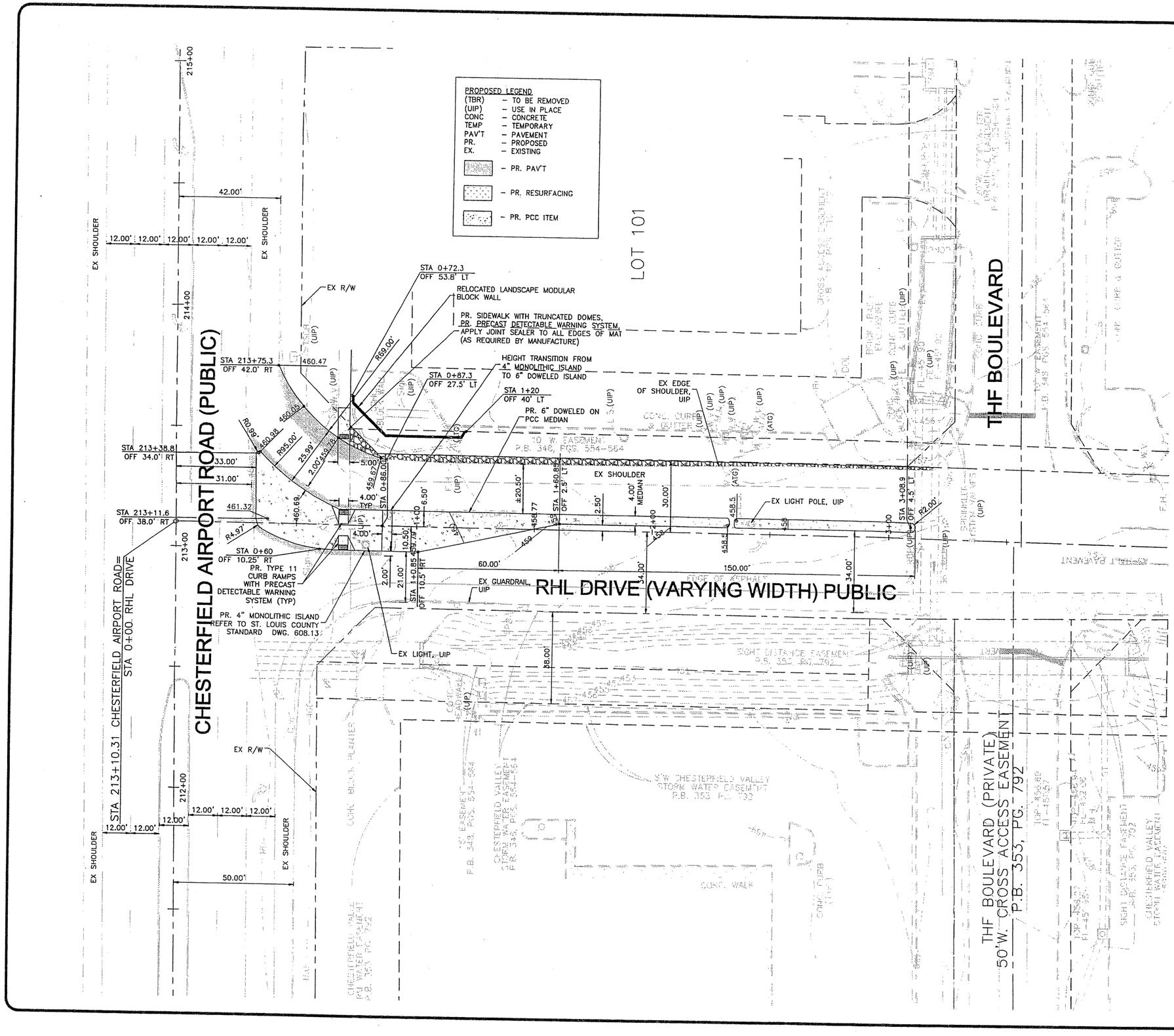

NOTES:

–ALL PROPOSED IMPORVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS

–ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS

–STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.

–PRIOR TO SPECIAL USE PERMIT ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETER OF CREDIT, MUST BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.

MSD# P-0028703-00

NOT APPROVED
FOR CONSTRUCTION
DATE 6/02/09

SHEET NO. 5

Job No.	050-09-4
Date:	5/06/09
Scale:	1"=20'
Drawn by:	GMW
Design by:	CMB
Approved by:	CMB
File Name:	PLN

REVISIONS
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MSD 06-30-09
07-02-09

THF Realty

STATE OF MISSOURI CHRIS M. BRAMMEIER NUMBER E-27503 REGISTERED PROFESSIONAL ENGINEER 06-02-09

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RHL DRIVE (3/4 ACCESS) PLAN SHEET
RHL DRIVE
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CHESTERFIELD, MISSOURI

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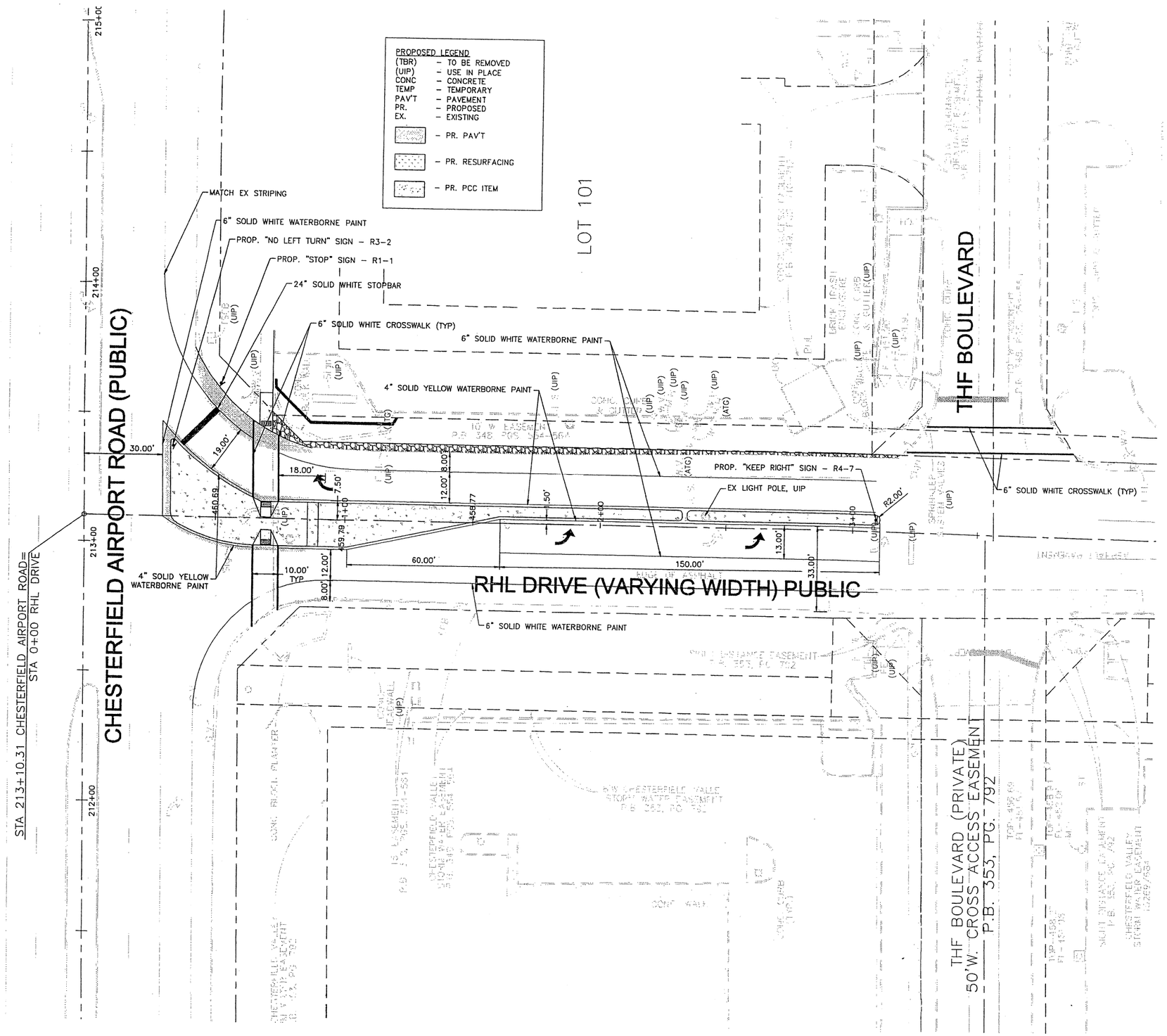

N

0 10 20 30 5 40 5 50

SCALE 1"=20'

NOTES

1) ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION.

2) PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

3) EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE PROPOSED STRIPING SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

4) STOPBARS AND SYMBOLS SHALL BE THERMOPLASTIC. ALL LANE LINES SHALL BE WATERBORNE PAINT STRIPING.

5) ALL ARROWS, WORDS AND SYMBOLS SHALL BE WHITE UNLESS OTHERWISE SPECIFIED.

6) REFER TO PLAN SHEETS FOR ADDITIONAL DIMENSIONS. REFER TO TRAFFIC SIGNAL SHEETS FOR EXACT LOCATION OF STOPBARS.

MSD# P-0028703-00

NOT APPROVED
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DATE 6/02/09

SHEET NO.
6

Job No.	050-09-4
Date:	5/06/09
Scale:	1"=20'
Drawn by:	GMW
Design by:	CMB
Approved by:	CMB
File Name:	PLN

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MSD 06-30-09
07-02-09

THF Realty

STATE OF MISSOURI CHRIS M. BRAMMEIER NUMBER E-27503 REGISTERED PROFESSIONAL ENGINEER 06-02-09

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RHL DRIVE (3/4 ACCESS)
PAVEMENT MARKINGS
RHL DRIVE
@ CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI

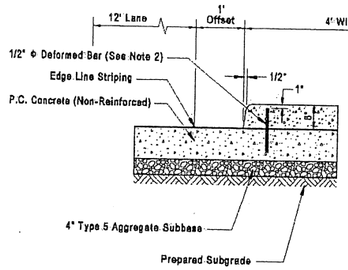
Exhibit A
Mr. Michael Geisel letter dated 7/27/09

NEW	REVISIONS			
9-30-86	1-11-93	4-19-93	3-2-98	7-31-07

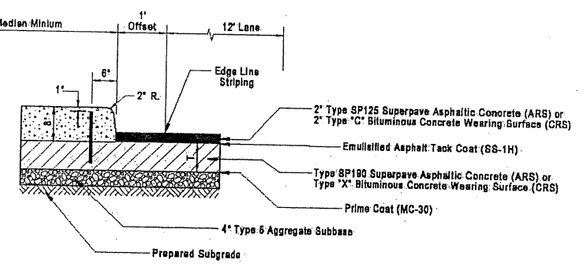
ST. LOUIS COUNTY PROJ.

GENERAL NOTES

1) Do not scale drawing, follow dimensions.
2) Length of the tie bars shall equal the thickness of pavement plus the height of curb less 3".
3) All necessary pavement markings shall be as required by St. Louis County. For details, refer to "Guidelines for Pavement Markings and Lane Striping", Std. Dwg. C902.10.
4) Transverse joint spacing for the concrete median shall be the same as the adjacent concrete pavement or on 20 ft. intervals with bituminous pavement.



P.C. CONCRETE PAVEMENT



NOTE: Additional dowel bars may be required at island nose.

SUPERPAVE ASPHALTIC CONCRETE OR BITUMINOUS CONCRETE PAVEMENT

SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS

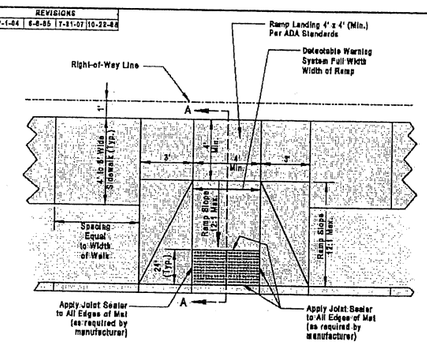
6" RAISED DOWELED-ON CONCRETE MEDIAN

REVISION DATE: July 31, 2007

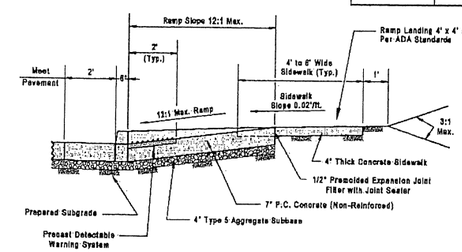
DRAWING C808.19

NEW	REVISIONS			
7-24-05	7-1-04	6-6-85	7-31-07	10-22-86

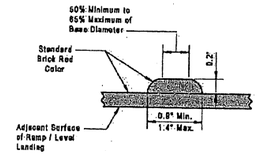
ST. LOUIS COUNTY PROJ.



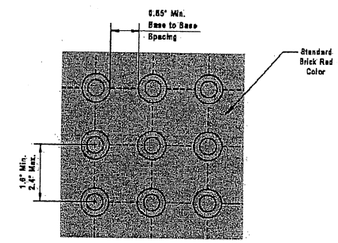
DETECTABLE WARNING PLACEMENT (MIDBLOCK CURB RAMP)



TYPICAL SECTION (SECTION A-A)



TRUNCATED DOME DETAIL



SQUARE PATTERN, PARALLEL ALIGNMENT

GENERAL NOTES

1) Do not scale drawings, follow dimensions.
2) The system shall be designed to meet accessability guidelines for the American Disabilities Act for Detectable Warning (Paragraph 4.29) and Loading Ramps (Paragraph 4.7).
3) The system shall be a cast in place product approved by Saint Louis County prior to usage. Follow manufacturer's installation instructions.
4) Slip resistance shall be tested in accordance with ASTM C 1028-86, standard test method for determining the static coefficient of friction of ceramic tile and other like surfaces by horizontal dynamometer pull-meter test. Minimum static coefficient of friction shall be .80 wet and .70 dry.
5) Color and texture to be approved by Saint Louis County Department of Highway's and Traffic. (Standard Brick Red)

SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS

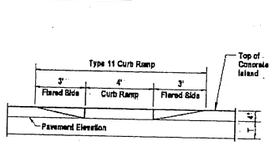
DETECTABLE WARNING SYSTEMS FOR NEW CONSTRUCTION

REVISION DATE: October 22, 2008

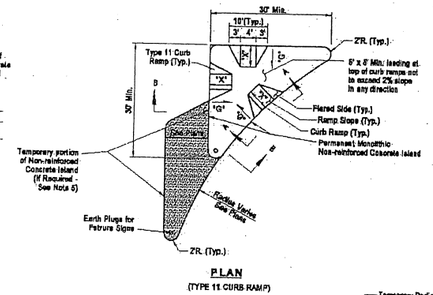
DRAWING C808.21

NEW	REVISIONS		
4-19-93	3-2-98	7-31-07	

ST. LOUIS COUNTY PROJ.



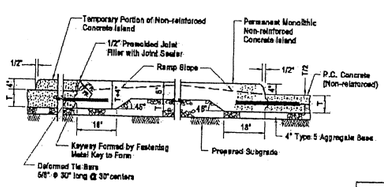
SECTION A - A
(TYPE 11 CURB RAMP)



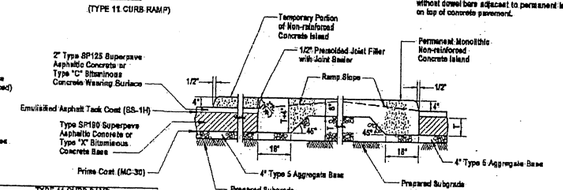
PLAN
(TYPE 11 CURB RAMP)

GENERAL NOTES

1) Do not scale drawing, follow dimensions.
2) Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved "Americans with Disabilities Act Guidelines" (ADDAAG).
3) Where curb ramp meets pavement, bullnose will not be permitted.
4) "T" refers to the thickness of pavement.
5) When the lane usage on an approach to an intersection is subject to change, a temporary portion or a channelization island may be required.
6) Permanent channelization islands constructed in bituminous concrete pavement shall be installed prior to placement of Type "X" bituminous concrete base. Temporary portions of channelization islands (if required), shall be concrete and installed without dowel bars adjacent to permanent islands on top of Type "C" bituminous concrete wearing surface.
7) Permanent channelization islands constructed in concrete pavement shall be installed after placement of concrete pavement, which has been previously blocked out. Temporary portions of channelization islands (if required), shall be concrete and installed without dowel bars adjacent to permanent islands on top of concrete pavement.



SECTION B - B
(P.C. CONCRETE PAVEMENT)



SECTION B - B
(SUPERPAVE ASPHALTIC CONCRETE OR BITUMINOUS CONCRETE PAVEMENT)

TYPE 11 CURB RAMP IN 4" CHANNELIZATION ISLAND

"G" GRADE ACROSS ISLAND (%)	"X" MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	4
0 TO +1	5
+1.01 TO +2	6
+2.01 TO +3	7
+3.01 TO +4	8
GREATER THAN +4	10

NOTE: Positive (+) "G" - Proceeding away from curb and up a grade.
Negative (-) "G" - Proceeding away from curb and down a grade.

SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI

INTERSECTION CHANNELIZATION DETAILS

4" RAISED CONCRETE CHANNELIZATION ISLAND WITH CURB RAMPS (TYPE 11)

REVISION DATE: July 31, 2007

DRAWING C808.13

NOT APPROVED
FOR CONSTRUCTION
DATE 6/02/09

SHEET NO.
7

Job No.	050-09-4
Date:	5/06/09
Scale:	N.T.S.
Drawn by:	GMW
Design by:	CMB
Approved by:	CMB
File Name:	PLN

REVISIONS
06-02-09
MSD 06-30-09
07-03-09

THF Realty

STATE OF MISSOURI CHRIS M. BRAMMEIER NUMBER E-21503 REGISTERED PROFESSIONAL ENGINEER
06-02-09

CBB Crawford, Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

RHL DRIVE (3/4 ACCESS)
RHL DRIVE STANDARDS
RHL DRIVE
@ CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MISSOURI

Exhibit A
Mr. Michael Geisel letter dated 7/27/09

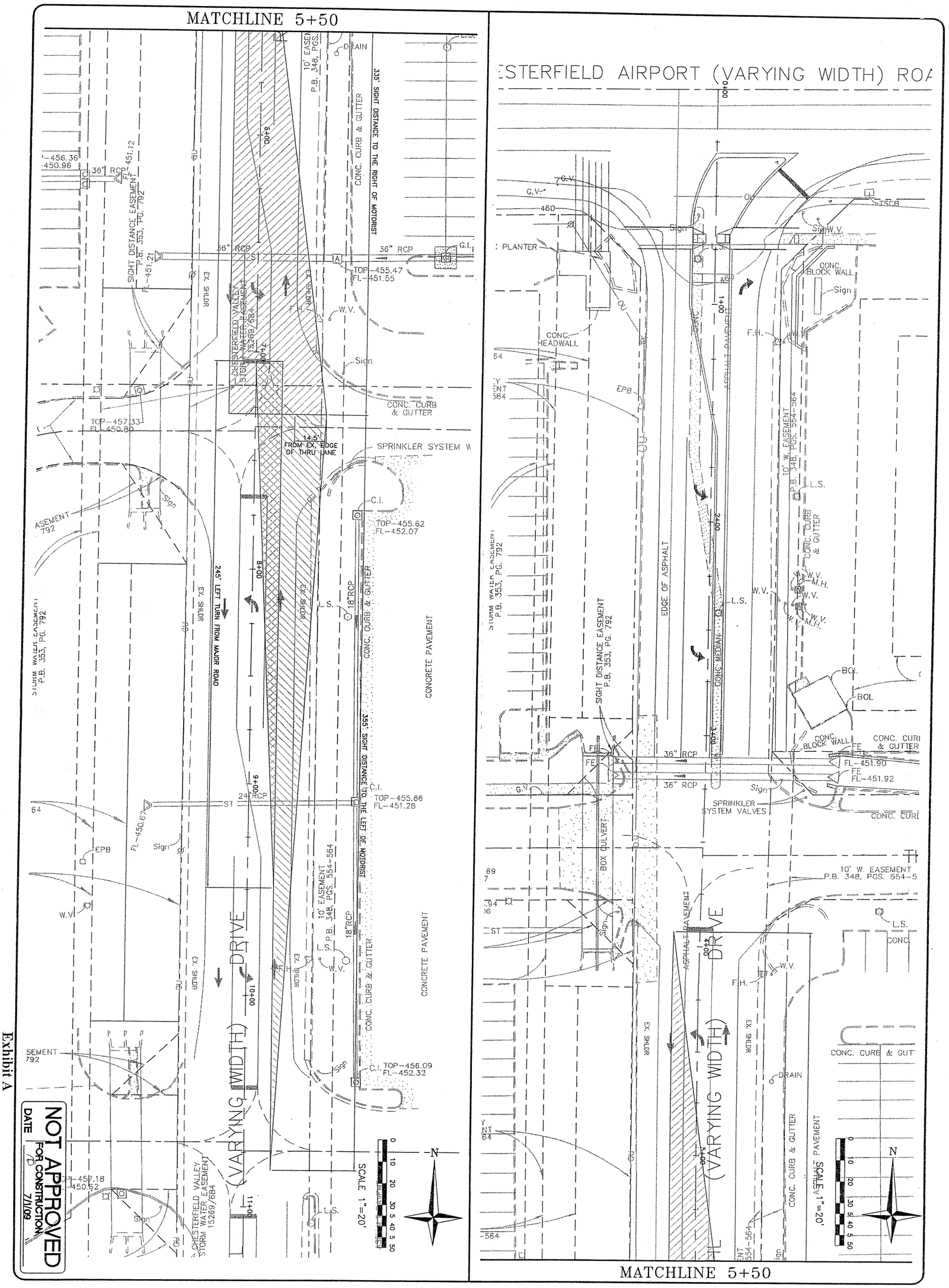


Exhibit A
Mr. Michael Geisel letter dated 7/27/09

RHL SIDEWALK
SIGHT TRIANGLE ENT. 1
RHL DRIVE
@ CHESTERFIELD COMMONS
CHESTERFIELD, MISSOURI

CBB Crawford, Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

THF Realty

REVISIONS	
File Name:	PLN
Approved by:	CMB
Design by:	BEC
Drawn by:	BEC
Scale:	1"=20'
Date:	7/1/09
Job No.	060-09

SHEET NO. 1

SHEET NO.
2

Job No.	060-09
Date:	7/1/09
Scale:	1"=20'
Drawn by:	BEC
Design by:	BEC
Approved by:	CMB
File Name:	PLN

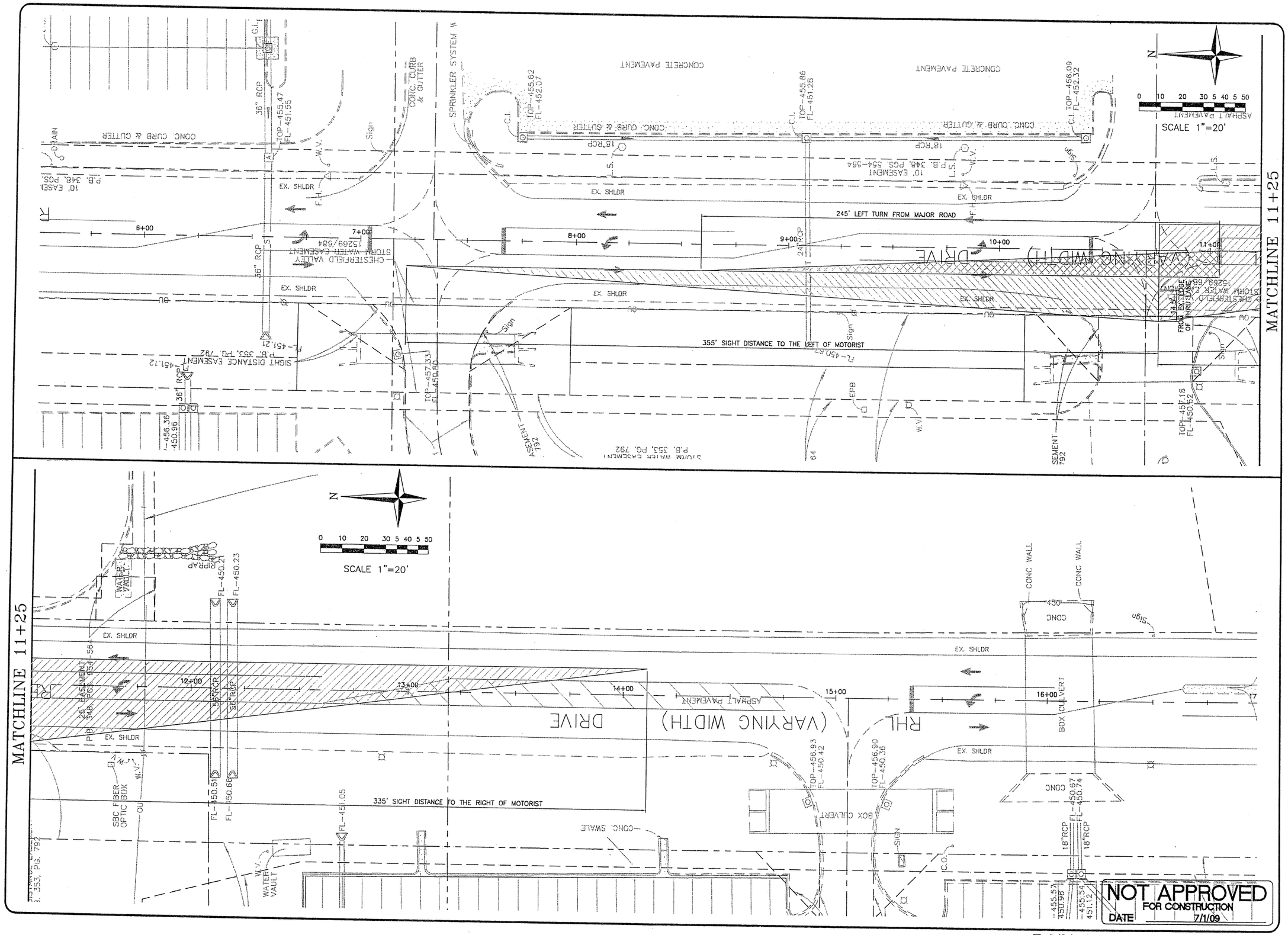
REVISIONS

THF Realty

CBB Crawford, Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

RHL SIDEWALK
SIGHT TRIANGLE ENT. 2
RHL DRIVE
@ CHESTERFIELD COMMONS
CHESTERFIELD, MISSOURI

Exhibit A
Mr. Michael Geisel letter dated 7/27/09



SHEET NO. 3	
Job No.	050-09
Date:	7/1/09
Scale:	1"=20'
Drawn by:	BEC
Design by:	BEC
Approved by:	CMB
File Name:	PLN

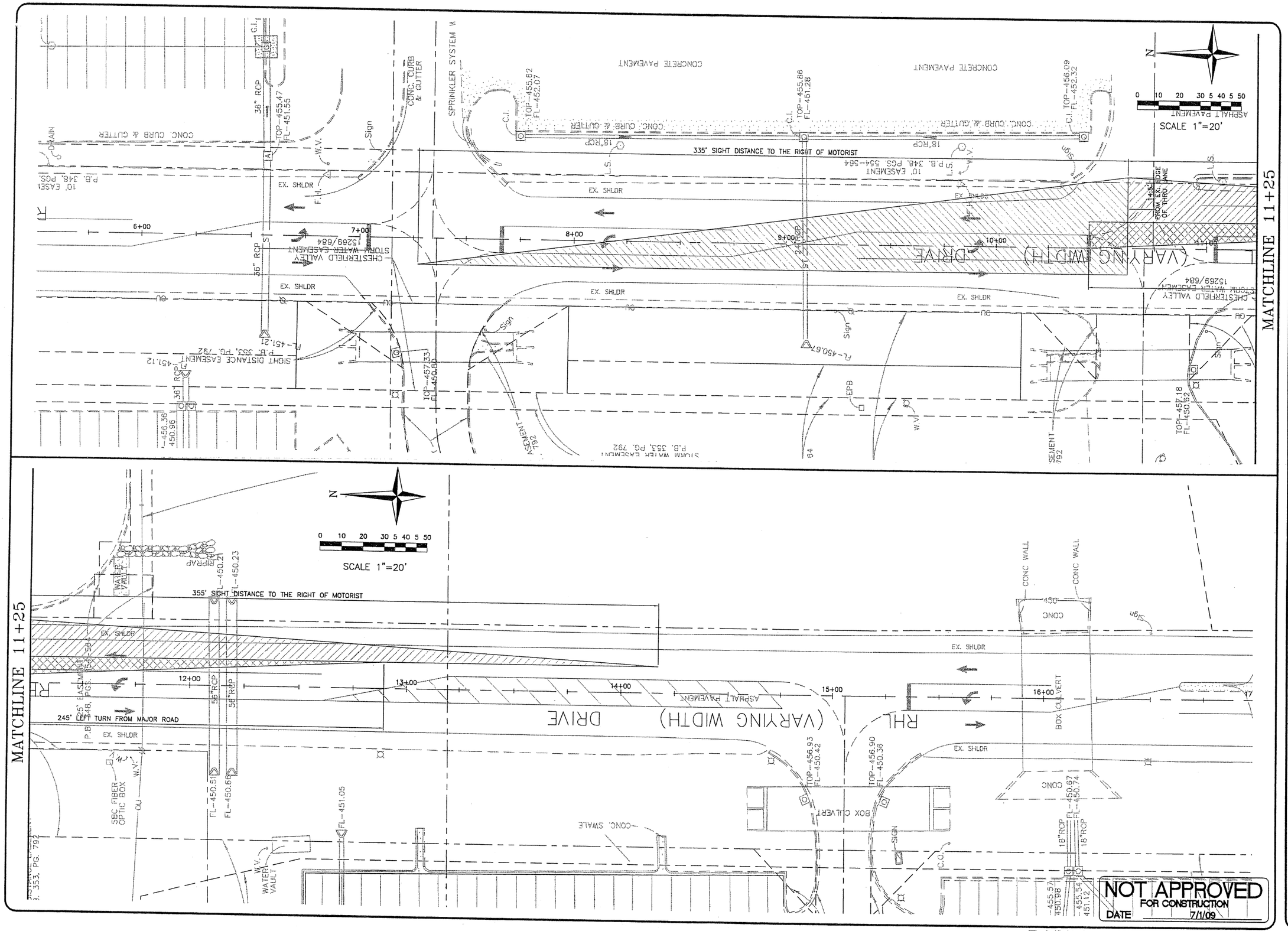
REVISIONS

THF Realty

CBB Crawford, Bunte, Brammeier
Traffic and Transportation Engineers
St. Louis, Missouri/Glen Carbon, Illinois
314-878-6644 618-656-2612
Fax: 314-878-5876 E-Mail: cbb@cbbtraffic.com

RHL SIDEWALK
SIGHT TRIANGLE ENT. 3
RHL DRIVE
@ CHESTERFIELD COMMONS
CHESTERFIELD, MISSOURI

Exhibit A
Mr. Michael Geisel letter dated 7/27/09



SHEET NO.	
4	
Job No.	060-09
Date:	7/1/09
Scale:	1"=20'
Drawn by:	BEC
Design by:	BEC
Approved by:	CMB
File Name:	PLN

REVISIONS

THF Realty

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Traffic and Transportation Engineers
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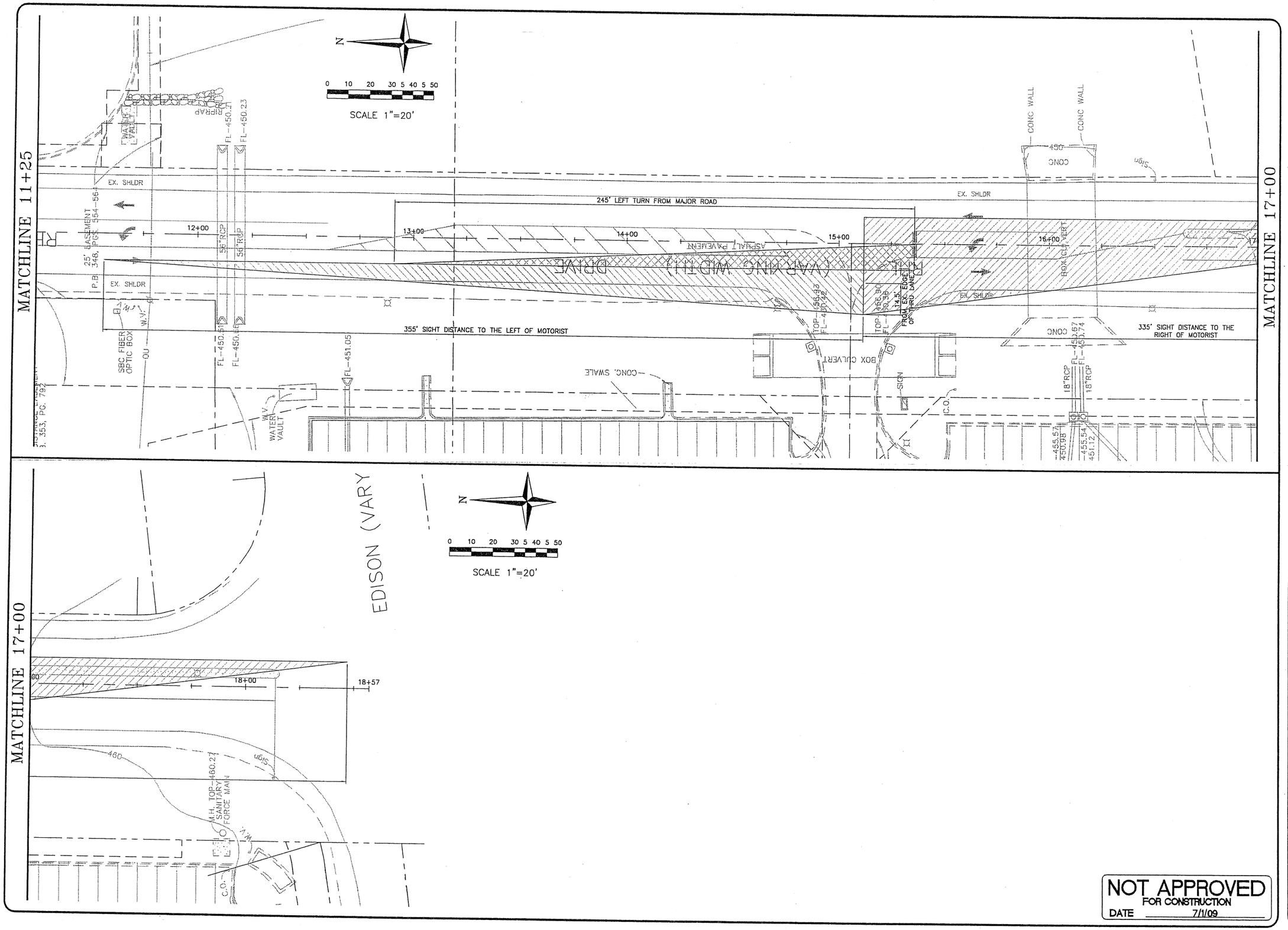
RHL SIDEWALK
SIGHT TRIANGLE ENT. 4
RHL DRIVE
@ CHESTERFIELD COMMONS
CHESTERFIELD, MISSOURI

Exhibit A
Mr. Michael Geisel letter dated 7/27/09



NOT APPROVED
FOR CONSTRUCTION
DATE 7/1/09

SHEET NO.
5

Job No.	060-09
Date:	7/1/09
Scale:	1"=20'
Drawn by:	BEC
Design by:	BEC
Approved by:	CMB
File Name:	PLN

REVISIONS

THF Realty

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RHL SIDEWALK
SIGHT TRIANGLE ENT. 5
RHL DRIVE
@ CHESTERFIELD COMMONS
CHESTERFIELD, MISSOURI

Exhibit A
Mr. Michael Geisel letter dated 7/27/09