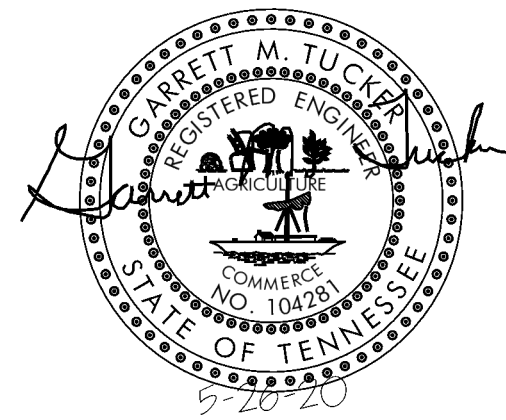


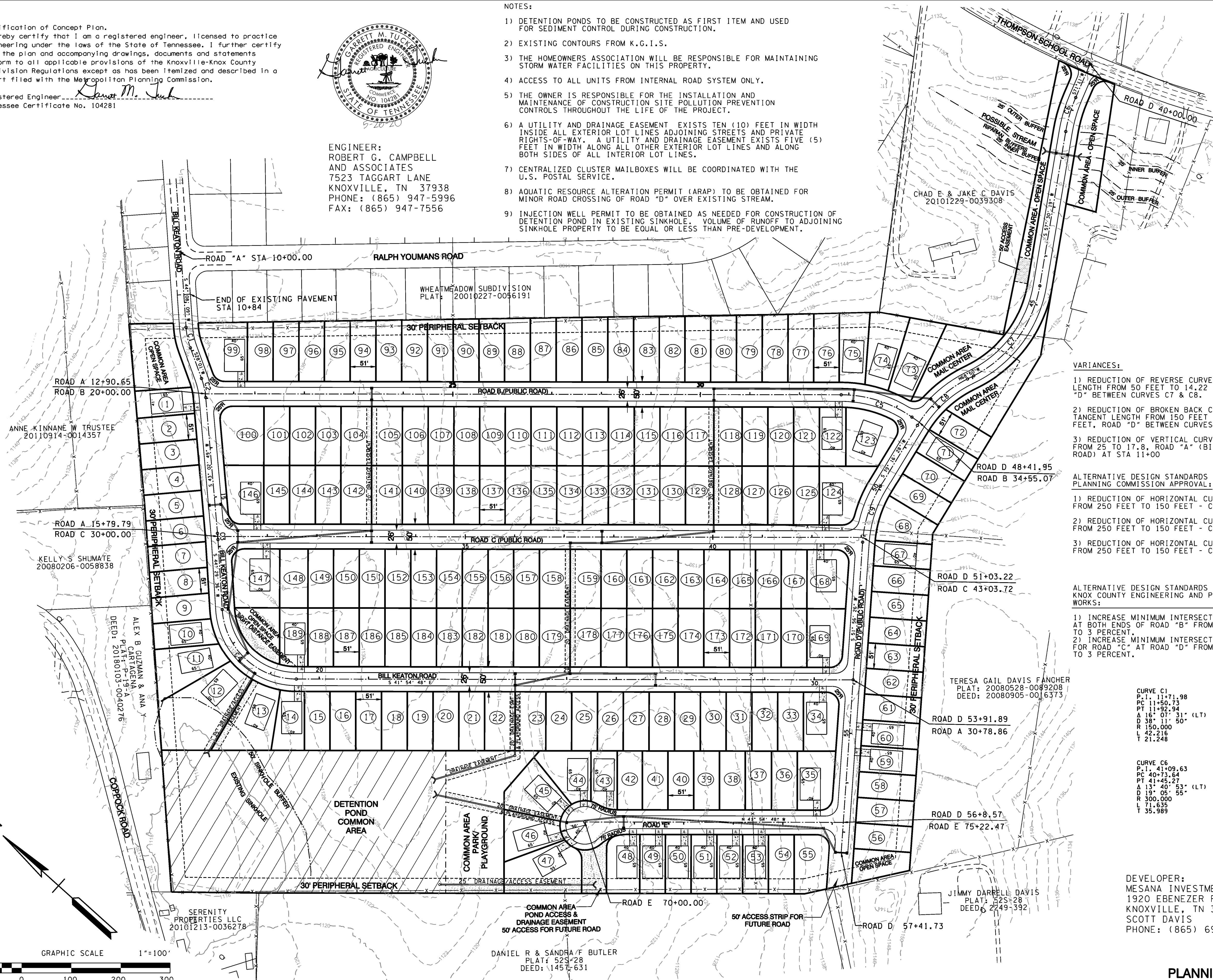
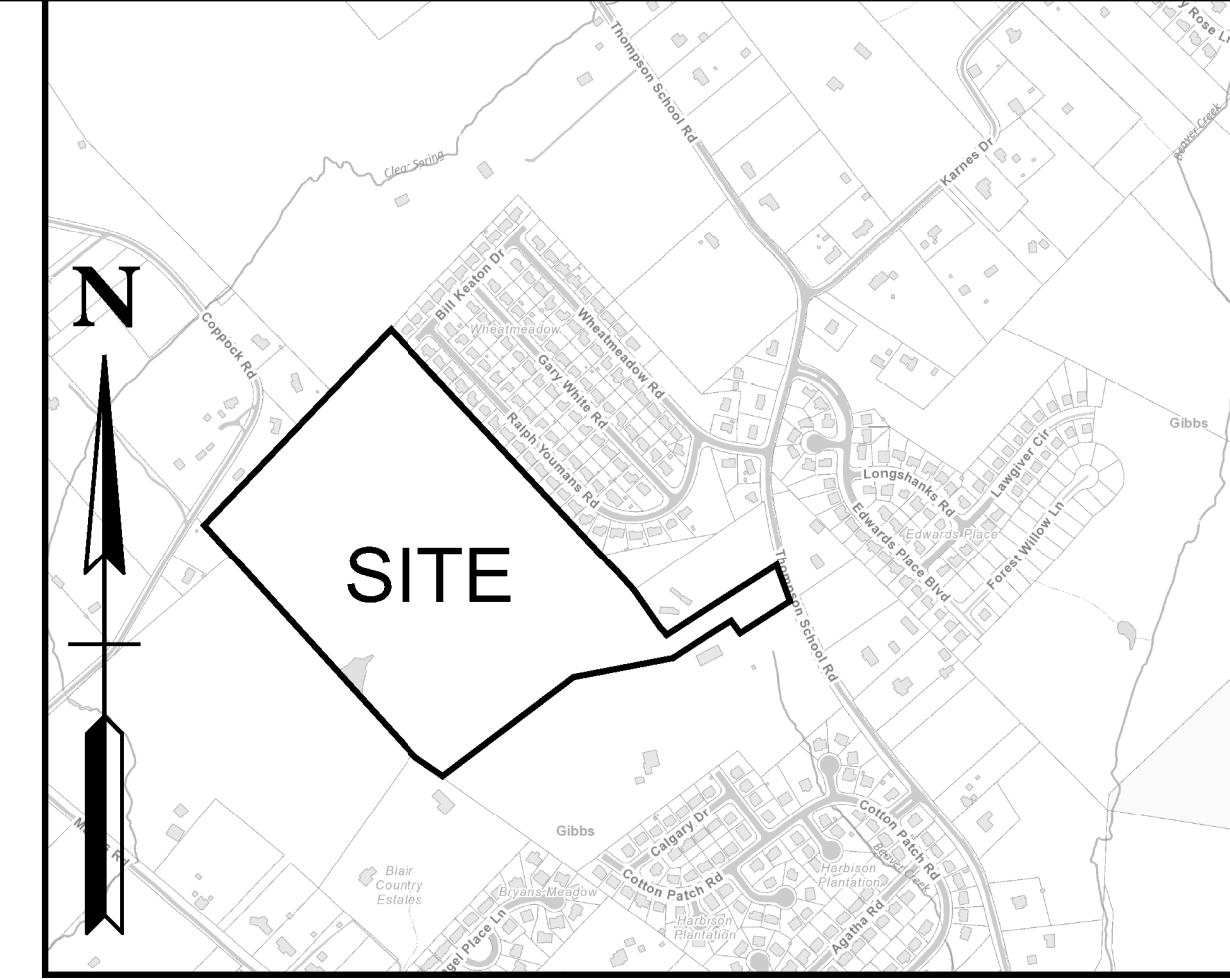
Certification of Concept Plan.
I hereby certify that I am a registered engineer, licensed to practice engineering under the laws of the State of Tennessee. I further certify that the plan and accompanying drawings, documents and statements conform to all applicable provisions of the Knoxville-Knox County Subdivision Regulations except as has been itemized and described in a report filed with the Metropolitan Planning Commission.

Registered Engineer: *Robert G. Campbell*
Tennessee Certificate No. 104281



ENGINEER:
ROBERT G. CAMPBELL
AND ASSOCIATES
7523 TAGGART LANE
KNOXVILLE, TN 37938
PHONE: (865) 947-5996
FAX: (865) 947-7556

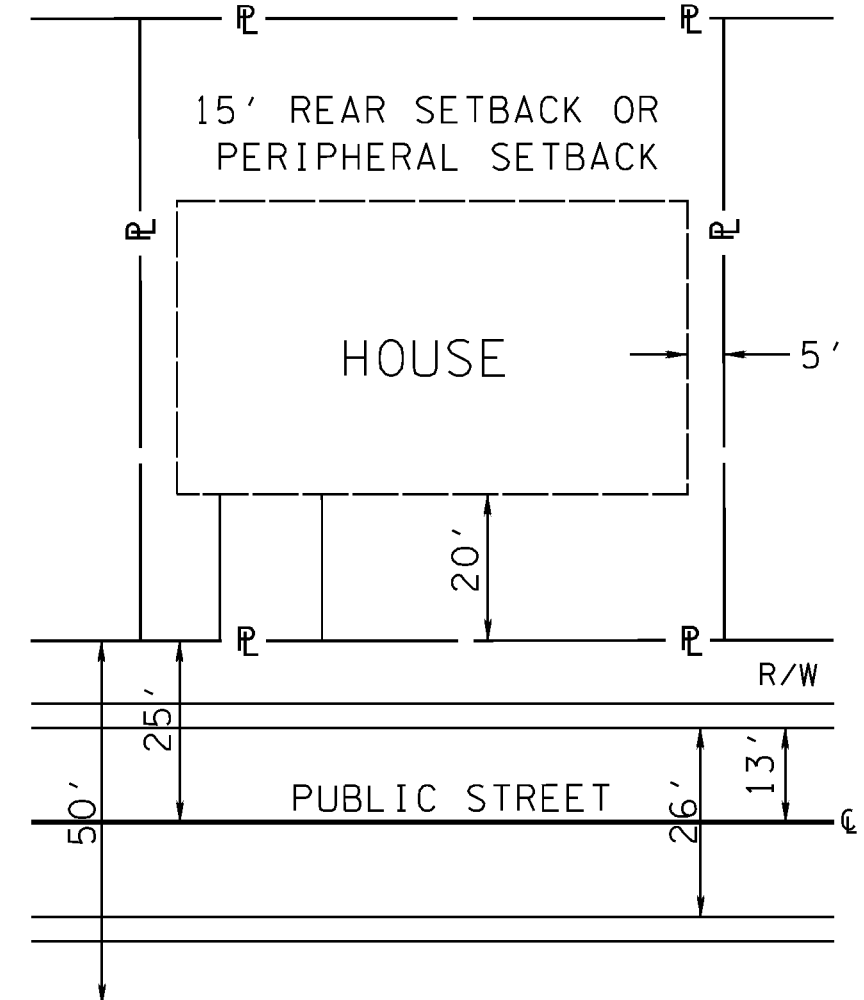
- NOTES:
- 1) DETENTION PONDS TO BE CONSTRUCTED AS FIRST ITEM AND USED FOR SEDIMENT CONTROL DURING CONSTRUCTION.
 - 2) EXISTING CONTOURS FROM K.G.I.S.
 - 3) THE HOMEOWNERS ASSOCIATION WILL BE RESPONSIBLE FOR MAINTAINING STORM WATER FACILITIES ON THIS PROPERTY.
 - 4) ACCESS TO ALL UNITS FROM INTERNAL ROAD SYSTEM ONLY.
 - 5) THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.
 - 6) A UTILITY AND DRAINAGE EASEMENT EXISTS TEN (10) FEET IN WIDTH INSIDE ALL EXTERIOR LOT LINES ADJOINING STREETS AND PRIVATE RIGHTS-OF-WAY. A UTILITY AND DRAINAGE EASEMENT EXISTS FIVE (5) FEET IN WIDTH ALONG ALL OTHER EXTERIOR LOT LINES AND ALONG BOTH SIDES OF ALL INTERIOR LOT LINES.
 - 7) CENTRALIZED CLUSTER MAILBOXES WILL BE COORDINATED WITH THE U.S. POSTAL SERVICE.
 - 8) AQUATIC RESOURCE ALTERATION PERMIT (ARAP) TO BE OBTAINED FOR MINOR ROAD CROSSING OF ROAD "D" OVER EXISTING STREAM.
 - 9) INJECTION WELL PERMIT TO BE OBTAINED AS NEEDED FOR CONSTRUCTION OF DETENTION POND IN EXISTING SINKHOLE. VOLUME OF RUNOFF TO ADJOINING SINKHOLE PROPERTY TO BE EQUAL OR LESS THAN PRE-DEVELOPMENT.



- VARIANCES:
- 1) REDUCTION OF REVERSE CURVE TANGENT LENGTH FROM 50 FEET TO 14.22 FEET, ROAD "D" BETWEEN CURVES C7 & C8.
 - 2) REDUCTION OF BROKEN BACK CURVE TANGENT LENGTH FROM 150 FEET TO 144.45 FEET, ROAD "D" BETWEEN CURVES C8 & C9.
 - 3) REDUCTION OF VERTICAL CURVE K VALUE FROM 25 TO 17.8, ROAD "A" (BILL KEATON ROAD) AT STA 11+00

- ALTERNATIVE DESIGN STANDARDS REQUIRING PLANNING COMMISSION APPROVAL:
- 1) REDUCTION OF HORIZONTAL CURVE RADIUS FROM 250 FEET TO 150 FEET - CURVE C1
 - 2) REDUCTION OF HORIZONTAL CURVE RADIUS FROM 250 FEET TO 150 FEET - CURVE C2
 - 3) REDUCTION OF HORIZONTAL CURVE RADIUS FROM 250 FEET TO 150 FEET - CURVE C4

- ALTERNATIVE DESIGN STANDARDS APPROVED BY KNOX COUNTY ENGINEERING AND PUBLIC WORKS:
- 1) INCREASE MINIMUM INTERSECTION GRADE AT BOTH ENDS OF ROAD "B" FROM 1 PERCENT TO 3 PERCENT.
 - 2) INCREASE MINIMUM INTERSECTION GRADE FOR ROAD "C" AT ROAD "D" FROM 1 PERCENT TO 3 PERCENT.

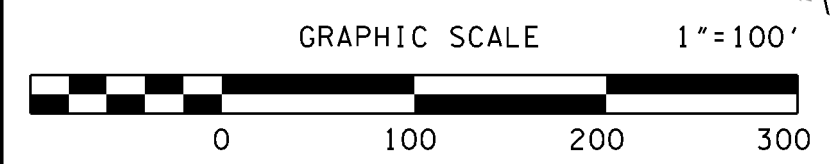


CURVE C1	CURVE C2	CURVE C3	CURVE C4	CURVE C5
P. 11.1171.98 PC 11.1171.98 PT 11.1171.98 A 16.07.31 (LT) D 38.11.50 R 150.000 L 42.216 T 21.248	P. 12.78.60 PC 12.78.60 PT 12.78.60 A 15.02.11 (RT) D 38.11.50 R 150.000 L 39.365 T 19.796	P. 15.79.79 PC 15.79.79 PT 15.79.79 A 15.02.11 (RT) D 38.11.50 R 150.000 L 226.21 T 6.312	P. 18.68.35 PC 18.68.35 PT 18.68.35 A 26.48.25 (LT) D 38.11.50 R 150.000 L 226.21 T 140.88	P. 33.63.27 PC 33.63.27 PT 33.63.27 A 34.51.20 (RT) D 22.55.06 R 250.000 L 152.086 T 78.478

DEVELOPER:
MESANA INVESTMENTS
1920 EBENEZER ROAD
KNOXVILLE, TN 37922
SCOTT DAVIS
PHONE: (865) 693-3356

CLT MAP: 020
PARCEL: 158.01
DEED: 20080905-0016372
TOTAL AREA: 43.83 ACRES
NUMBER OF LOTS: 189
PROPERTY ZONED: PR

Revised: 6/2/2020
PLANNING SERVICES FILE NUMBERS: 5-SA-20-C / 5-A-20-UR



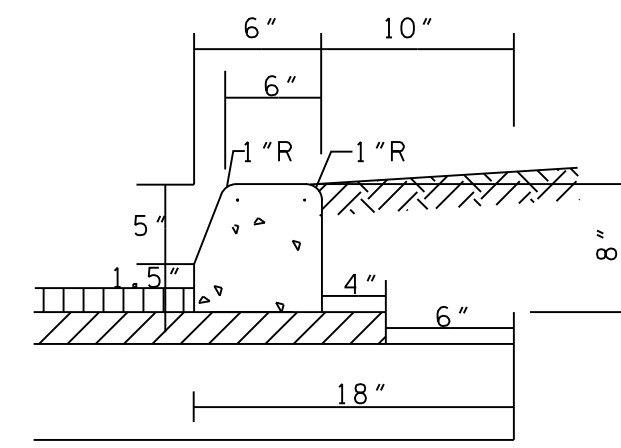
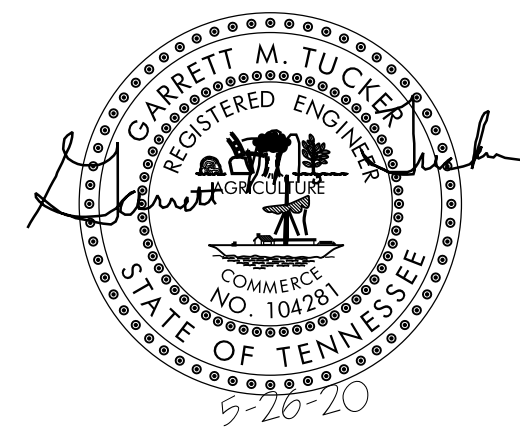
NO.	DATE	DESCRIPTION	BY	CKD.

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

THOMPSON MEADOWS
CONCEPT PLAN / USE ON REVIEW

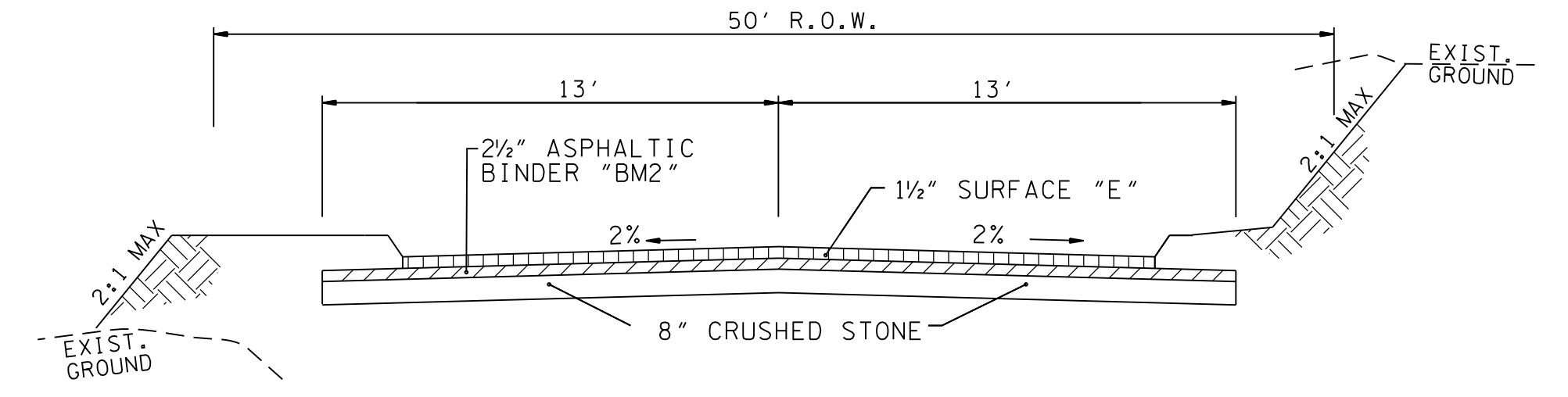
GENERAL LAYOUT
PLAN VIEW

DESIGNED BY	CHECKED BY	SCALE	SHEET ONE
GMT	RGC	1" = 100'	NO. 1
DRAWN BY	DATE	FILE NO.	OF 3 SHEETS
NCH	5-26-20	20042	3



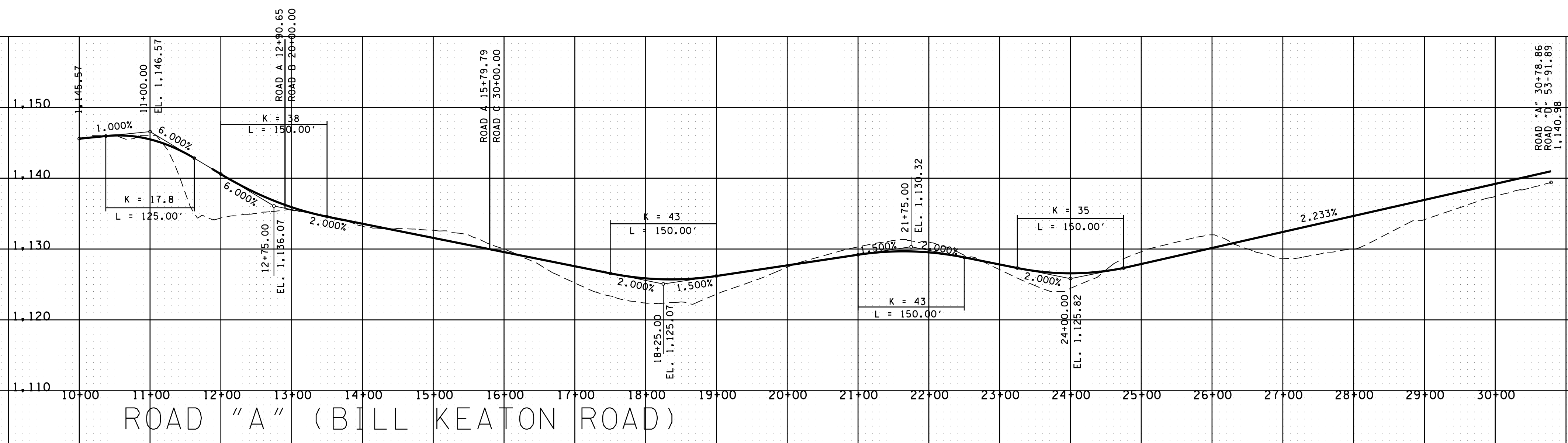
STANDARD DETAIL 6" EXTRUDED CURB

5-SA-20-C
5-A-20-UR
Revised: 6/2/2020

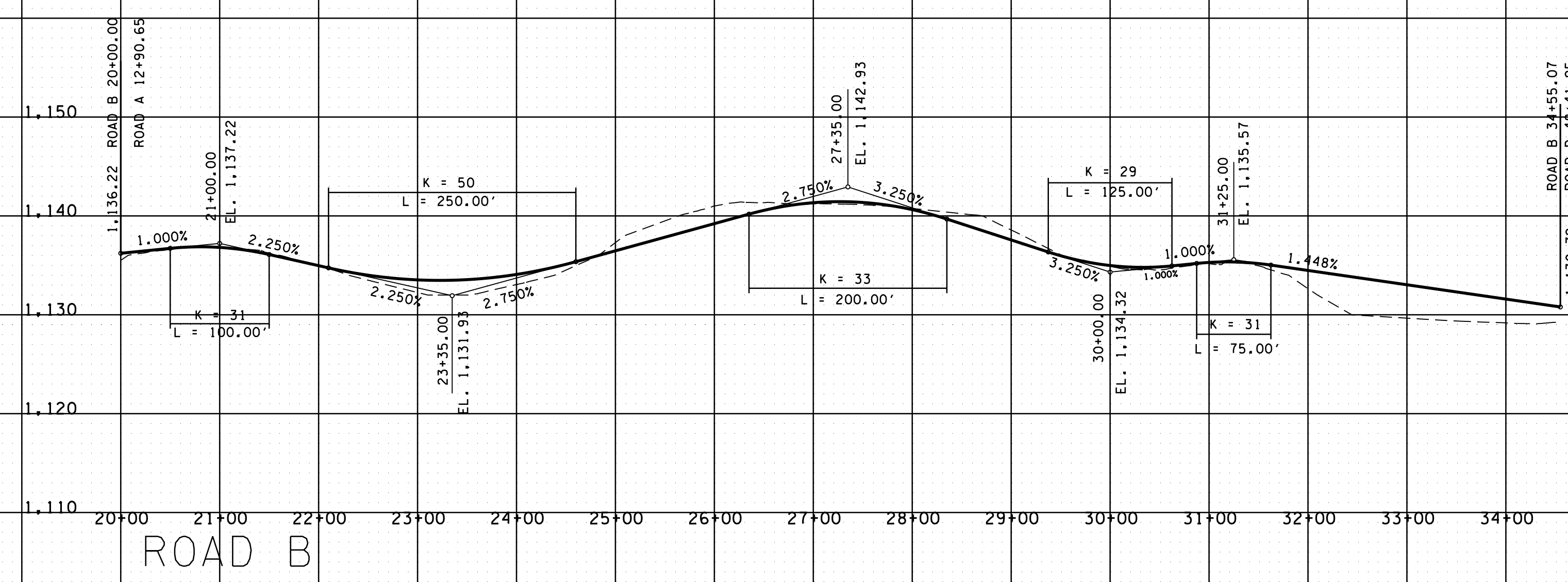


TYPICAL 2 LANE STREET PUBLIC ROADS

BORROW MATERIALS TO BE USED FOR FILL SHALL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.
FILL SOILS SHALL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN PLUS OR MINUS 3 PERCENT OPTIMUM MOISTURE CONTENT. NO LESS THAN SIX (6) DENSITY TESTS SHALL BE PERFORMED IN EVERY 10,000 SQUARE FEET OF AREA PER 8 INCH LIFT. (APPROX. 1 TEST PER EVERY 50 SQ. FT.)
* "D" MIX REQUIRED ON FINAL SURFACE WHERE GRADE IS 10% OR GREATER.



ROAD "A" (BILL KEATON ROAD)



ROAD B

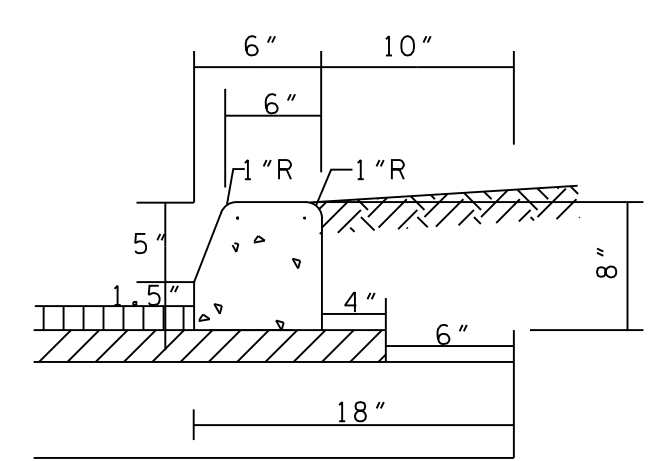
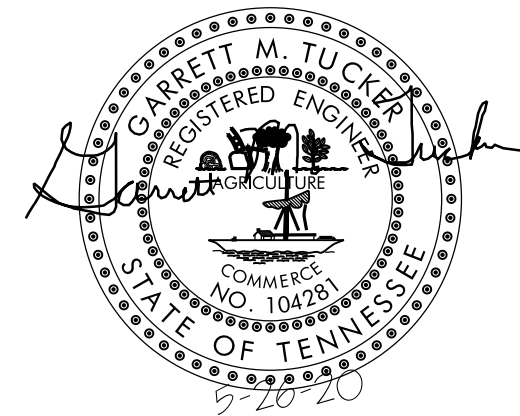
NO.	DATE	DESCRIPTION	BY	CKD.
REVISIONS				

RG&A
ROBERT G. CAMPBELL & ASSOC., L.P.
 CONSULTING ENGINEERS
 KNOXVILLE, TENNESSEE

THOMPSON MEADOWS
 CONCEPT PLAN / USE ON REVIEW

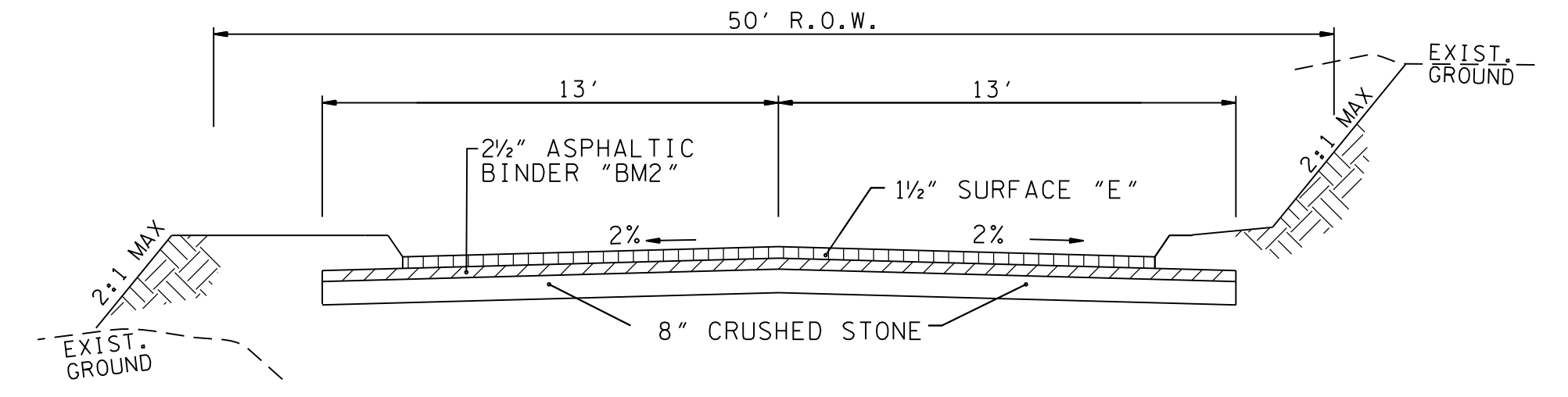
ROAD A & B PROFILES

DESIGNED BY GMT	CHECKED BY RGC	SCALE 1"=100' HORZ. 1"=10' VERT.	SHEET TWO NO. 2
DRAWN BY NCH	DATE 5-26-20	FILE NO. 20042	OF 3 SHEETS



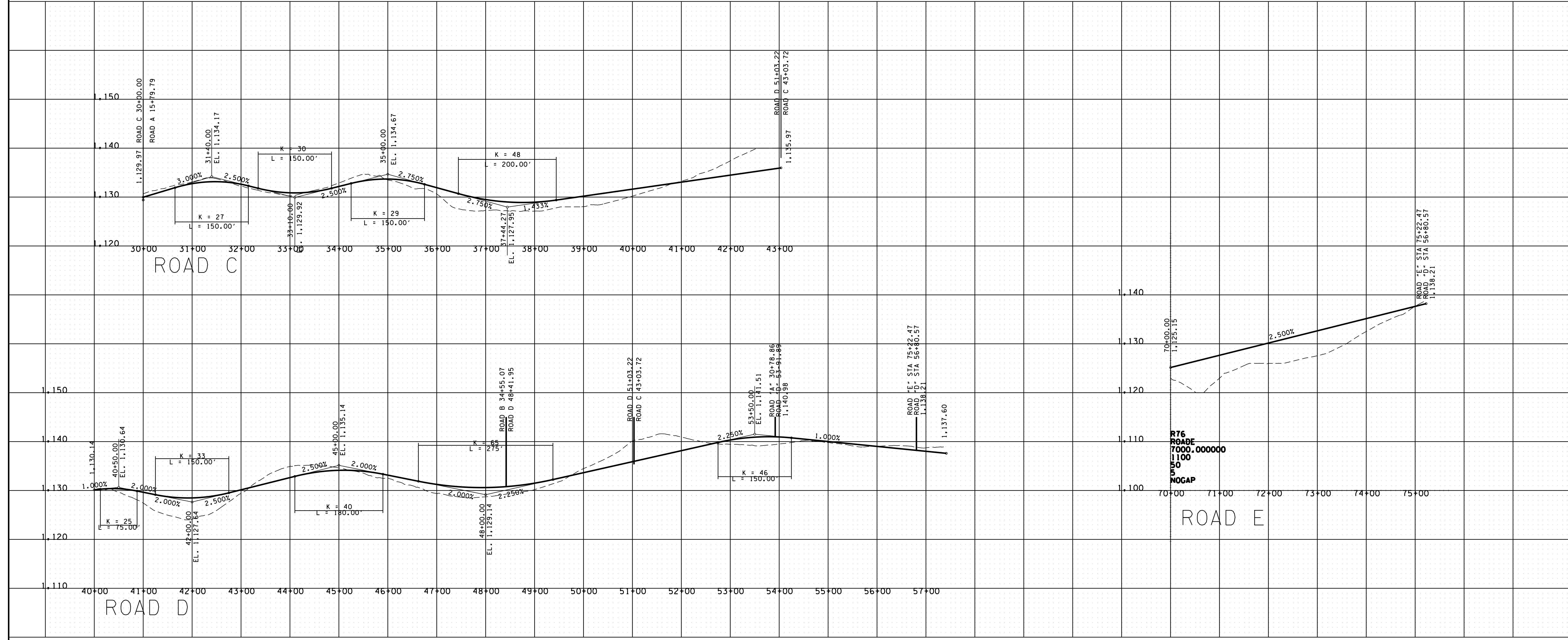
STANDARD DETAIL 6" EXTRUDED CURB

5-SA-20-C
5-A-20-UR
Revised: 6/2/2020



TYPICAL 2 LANE STREET PUBLIC ROADS

BORROW MATERIALS TO BE USED FOR FILL SHALL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.
FILL SOILS SHALL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN PLUS OR MINUS 3 PERCENT OPTIMUM MOISTURE CONTENT. NO LESS THAN SIX (6) DENSITY TESTS SHALL BE PERFORMED IN EVERY 10,000 SQUARE FEET OF AREA PER 8 INCH LIFT. (APPROX. 1 TEST PER EVERY 50 SQ. FT.)
* "D" MIX REQUIRED ON FINAL SURFACE WHERE GRADE IS 10% OR GREATER.



NO.	DATE	DESCRIPTION	BY	CHK.

RG&A
ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

THOMPSON MEADOWS
CONCEPT PLAN / USE ON REVIEW

ROAD C & D PROFILES

DESIGNED BY GMT	CHECKED BY RGC	SCALE 1"=100' HORIZ. 1"=10' VERT.	SHEET THREE NO. 3
DRAWN BY NCH	DATE 5-26-20	FILE NO. 20042	OF 3 SHEETS