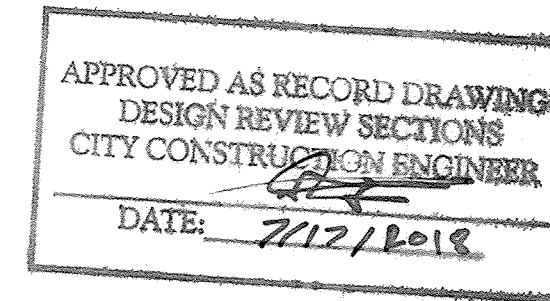
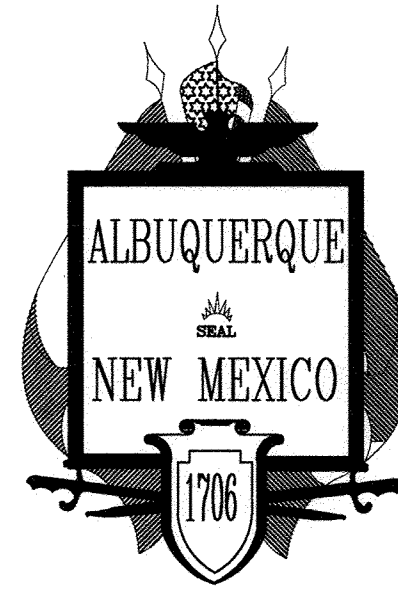


ABBREVIATIONS

A = AIR LINE
AD = AREA DRAIN
AIP = ABANDONED IN PLACE
BLDG = BUILDING
BM = BENCHMARK
CATV = CABLE TELEVISION LINE
CIP = CAST IRON PIPE
CMP = CORRUGATED METAL PIPE
CMPA = CORRUGATED METAL PIPE ARCH
CO = CLEANOUT
COA = CITY OF ALBUQUERQUE
CONC = CONCRETE
CL = CENTERLINE
DIA = DIAMETER
DIP = DUCTILE IRON PIPE
DTL = DETAIL
DWG = DRAWING
EG = EXISTING GRADE
ELEC. = ELECTRIC
EL = ELEVATION
EX = EXISTING
FF = FINISHED FLOOR ELEVATION
FG = FINISHED GRADE
FH = FIRE HYDRANT
FL = FLOW LINE
G = GAS PIPE
GM = GAS METER
GV = GATE VALVE
HP = HIGH POINT
INV = INVERT ELEVATION
LF = LINEAL FEET
LP = LIGHT POLE
L/S = LANDSCAPING
MH = MANHOLE
NG = NATURAL GROUND
OE = OVERHEAD ELECTRIC LINE
OT = OVERHEAD TELEPHONE LINE
PB = ELECTRICAL PULL BOX
PCC = PORTLAND CEMENT CONCRETE
PP = POWER POLE
PROP = PROPOSED
PVC = POLYVINYL CHLORIDE PIPE
RCP = REINFORCED CONCRETE PIPE
ROW = RIGHT-OF-WAY
S = SLOPE
SAS = SANITARY SEWER
SD = STORM DRAIN
STA = STATION
STD = STANDARD
SW = SIDEWALK
T = TELEPHONE
TA = TOP OF ASPHALT PAVEMENT
TAC = TOP OF ASPHALT CURB
TC = TOP OF CONCRETE SLAB (PAVEMENT)
TCC = TOP OF CONCRETE CURB
TS = TOP OF SIDEWALK
TW = TOP OF WALL
TYP = TYPICAL
UE = UNDERGROUND ELECTRIC
UT = UNDERGROUND TELEPHONE
W = WATER
WM = WATER METER
WV = WATER VALVE



CITY OF ALBUQUERQUE, NEW MEXICO

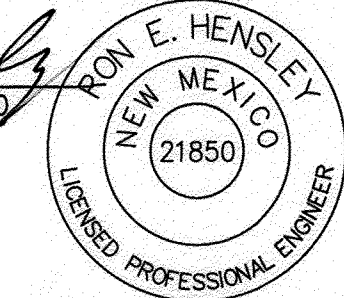
CARMEL RIDGE SUBDIVISION

PAVING, SANITARY SEWER AND WATERLINE IMPROVEMENTS

ENGINEERS CERTIFICATION

I, Ron E. Hensley, NMPE 21850, of the firm THE GROUP, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Robert J. Fierro, NMPS number 22909.

Ron E. Hensley
RON E. HENSLEY, NMPE No. 21850



5/22/18
Date

INDEX TO DRAWINGS

SHEET No.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2	PRELIMINARY PLAT
3	GRADING AND DRAINAGE PLAN
4	CARMEL AVENUE PAVING PLAN AND PROFILE
5	CARMEL RIDGE COURT PAVING PLAN AND PROFILE
6	CARMEL RIDGE COURT UTILITY PLAN AND PROFILE

SURVEYOR'S CERTIFICATION

I, ROBERT J. FIERRO, A DULY QUALIFIED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION; THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

Robert J. Fierro
ROBERT J. FIERRO, N.M.P.S. No. 22909



3-12-2018
Date

LEGEND

=====	NEW CURB AND GUTTER & SIDEWALK	⊙	EX SAS MANHOLE	—8" SAS—	PROPOSED SANITARY SEWER LINE
-----	EX CURB AND GUTTER & SIDEWALK	⊙	PROP SAS MANHOLE	—SAS—	EX SANITARY SEWER LINE
⊙	PROP FIRE HYDRANT	⊙	PROP WATER METER	—6" W—	PROPOSED WATER LINE
⊙	PROP WATER VALVE	⊙	PROPOSED SANITARY SEWER SERVICE	—8" W—	EX WATER LINE
-----	PROPERTY LINE	(S 83°39'25" W)	RECORD BEARING AND DISTANCES	N 00°07'27" W	MEASURED BEARING AND DISTANCES

UTILITY COMPANY CONTACTS

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
TIM CYNOWA
City/County Government Center
One Civic Plaza NW
Albuquerque, New Mexico, 87102
(505) 768-2588

PNM
Daniel Rodriguez
4201 Edin Blvd. NE
Mail Stop E555
Albuquerque, New Mexico 87109
(505) 241-3448

NEW MEXICO GAS CO.
Earl Hoskins
P.O. Box 97500
Albuquerque, New Mexico 87109
(505) 241-7759 / 401-7542
Earl.Hoskins@nmgeo.com

QWEST COMMUNICATIONS
Don Davalos
400 Tijera Ave. NW, Suite 520
Albuquerque, New Mexico 87102
(505) 245-8967

AT&T
N.N.
111 Third St., NW
Albuquerque, New Mexico 87103
(505) 842-2806

COMCAST CABLE
Robert Martinez
4611 Montbel Pl. NE
Albuquerque, NM 87107
(505) 761-6221
Robert.L.Martinez@cable.comcast.com

RECORD DRAWING

SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO. 9.
- CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR, AND SHALL BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY.
- THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT <http://abcwua.org/content/view/463/729/>.
- RESTRAINED JOINTS ARE REQUIRED AT ALL WATER LINE BENDS, TEES, CAPS AND GATE VALVES. RESTRAINED JOINTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- ALL PUBLIC WATER LINES MUST BE A MINIMUM OF 18" ABOVE SANITARY SEWER LINES AT ALL CROSSINGS.
- THE CONTRACTOR SHALL FURNISH ELECTRONIC MARKER DEVICES ON ALL WATER LINE AND SANITARY SEWER LINE SERVICE STUBS, VALVES, CAPS, BENDS AND PLUGS WITH A MAXIMUM SPACING OF 100'.
- THE CONTRACTOR SHALL INSTALL TRACER WIRE FOR ALL WATER AND SANITARY SEWER LINES.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS IN EXISTING STRIPING LOCATIONS UNLESS OTHERWISE INDICATED BY THIS PLAN SET.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY MAY REQUIRE 24 HOUR CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR, OR REMOVAL AND REPLACEMENT, OF ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, SIDEWALK, WHEELCHAIR RAMP, SIGNAGE OR ANY OTHER EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUB-PART P.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.

☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.

☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

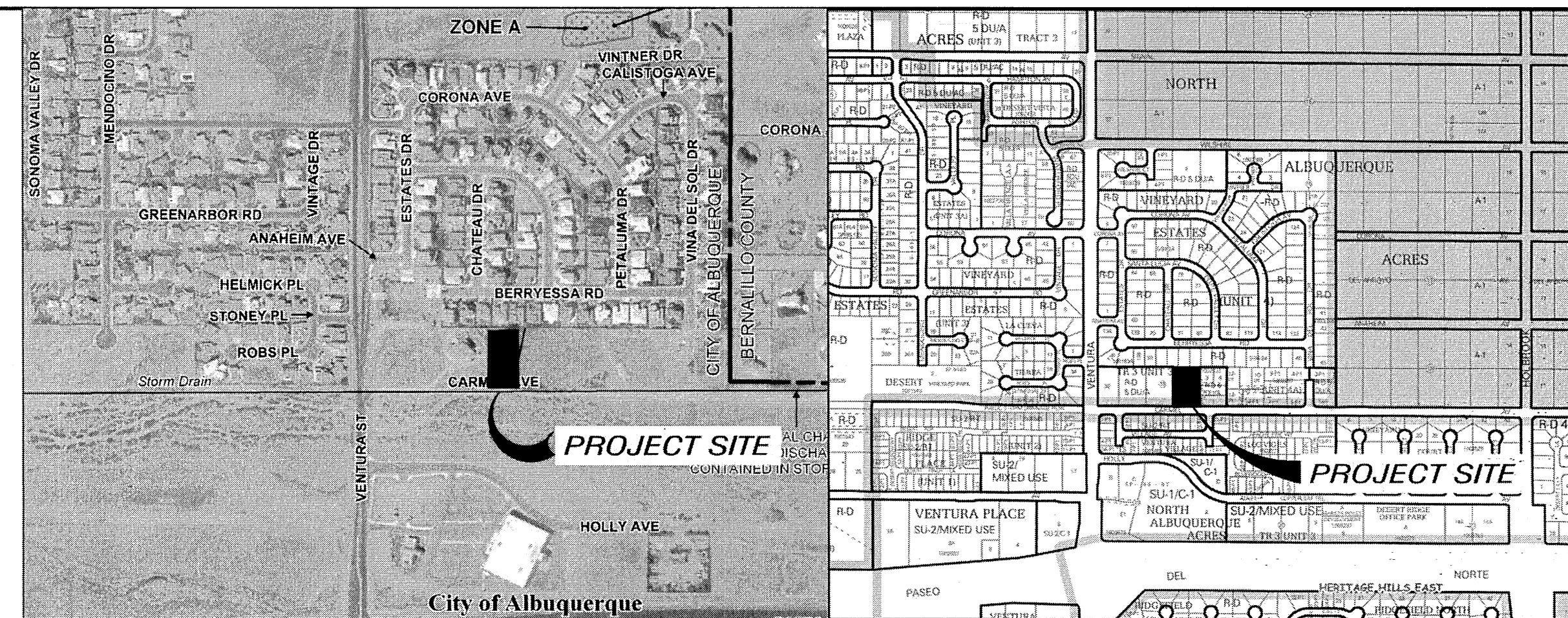
☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone: (505) 410-1622

D.R.B. No. 1011127

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC CHAIRMAN		TRANSPORTATION		6-21-17	
		WATER/WASTEWATER		HYDROLOGY		6-12-17	
		AMAFCA		CONSTR. MGMT.		6-12-17	
		CONSTR. COORD.					
CITY PROJECT NO.		705285		SHEET		OF	
				1		6	

9/14/17



VICINITY MAP C-20-Z

NOTES

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION, DEPTH, SIZE, OR TYPE OF ANY EXISTING UTILITY. THEREFORE, THE CONTRACTOR SHALL FORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF WORK IN ADVANCE OF ANY EXCAVATION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL, STATE, AND FEDERAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF GND ENGINEERING, LLC IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

GENERAL NOTES:

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO. 8.

2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 3 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.

THERE ARE NO OFF SITE FLOWS ENTERING THE SITE. THE SOUTH HALF OF CARMEL AVE. HAS BEEN CONSTRUCTED ADJACENT TO THIS PROPERTY AND A FULL STREET SECTION IS EXISTING EAST OF THE SITE. CARMEL AVE. CONVEYS FLOW TO AN EXISTING DROP INLET LOCATED PRIOR TO THE INTERSECTION OF VENTURA B.V.D.

4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEED OR LANDSCAPED












THIS SITE WILL BE DEVELOPED WITH A SINGLE STREET INTERCEPTING ALL OF THE SITE RUNOFF. THE RUNOFF WILL FREE DISCHARGE INTO CARMEL AVENUE. CARMEL AVENUE WILL CONVEY FLOW ALONG THE CURB TO A EXISTING INLET IN CARMEL AVE. (COA PROJ. #705284) PER C20D069 DRAINAGE PLAN, THE FLOW TO THE INLET IS CURRENTLY 23.66 CFS. THE 1.03 CFS INCREASE OF FLOW, FOR THE 100-YEAR PEAK RUNOFF, DUE TO THIS DEVELOPMENT IS INSIGNIFICANT AND WILL HAVE MINIMAL IMPACT ON DOWNSTREAM FACILITIES WITH A TOTAL FLOW OF 24.69 CFS.

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻² (acft)
		A	B	C	D			
A	0.88	0	80	20	50	3.26	2.87	0.089

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁵ (acft)
		A	B	C	D			
A	0.88	0	10	20	70	4.41	3.90	0.147

**CARMEL RIDGE SUBDIVISION
(BEING A REPLAT OF LOT 29, BLOCK 3, UNIT 3, TRACT 2)
WITHIN NORTH ALBUQUERQUE ACRES
IN PROJECTED SECTION 17, TOWNSHIP 11 NORTH, RANGE 4 EAST
ELENA GALLEGOS LAND GRANT NEW MEXICO PRINCIPAL MERIDIAN
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO**

LEGEND

 FLOW ARROW
 SLOPE ARROW
 PROPOSED ELEVATION
 EXISTING ELEVATION
 GRADE BREAK
 EXISTING CONTOUR
 EXISTING CONTOUR
 PROPOSED EASEMENT
 PROPOSED GRADE
 EXISTING WALL
 PROPOSED WALL

LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR
MAINTAINING FIRST FLUSH RUNOFF RETENTION ON THE LOT
IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE
EQUAL TO: ROOF AREA * (0.44-0.10)/12 IN CUBIC FEET.

ROOF AREA = 2734 SQ.FT.

REQUIRED VOLUME = $2734 * (0.44 - 0.10) / 12 = 78 \text{ CU.FT.}$
VOLUME PROVIDED = 83 CU.FT.

FL 100.75

FOR INFORMATION ONLY

300 Branding Iron Rd. SE
Rio Rancho, New Mexico 87124
Phone: (505) 514-0995

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

BEING A REPLAT OF LOT 29, BLOCK 3, UNIT 3, TRACT 2, NAA
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

CITY PROJECT No.	705285	ZONE MAP NO.	C-20-7	SHEET	3	OF	6
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DRAINAGE CERTIFICATION

IRONCLAY CERTIFICATION
 I, RON E. HENSELY, NMP# 21850, OF THE FIRM THE GROUP, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 2/14/2017. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM THE GROUP, NMP# 22008, OF THE FIRM FIERRO & COMPANY, EXCLUDING LOTS 2 & 3 AS NOTED BELOW. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 5/14/2018, AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEYING DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THE SURVEYING DATA IS SUBMITTED IN SUPPORT OF A REQUEST FOR GRADING CERTIFICATION AND BUILDING PERMIT APPROVAL.

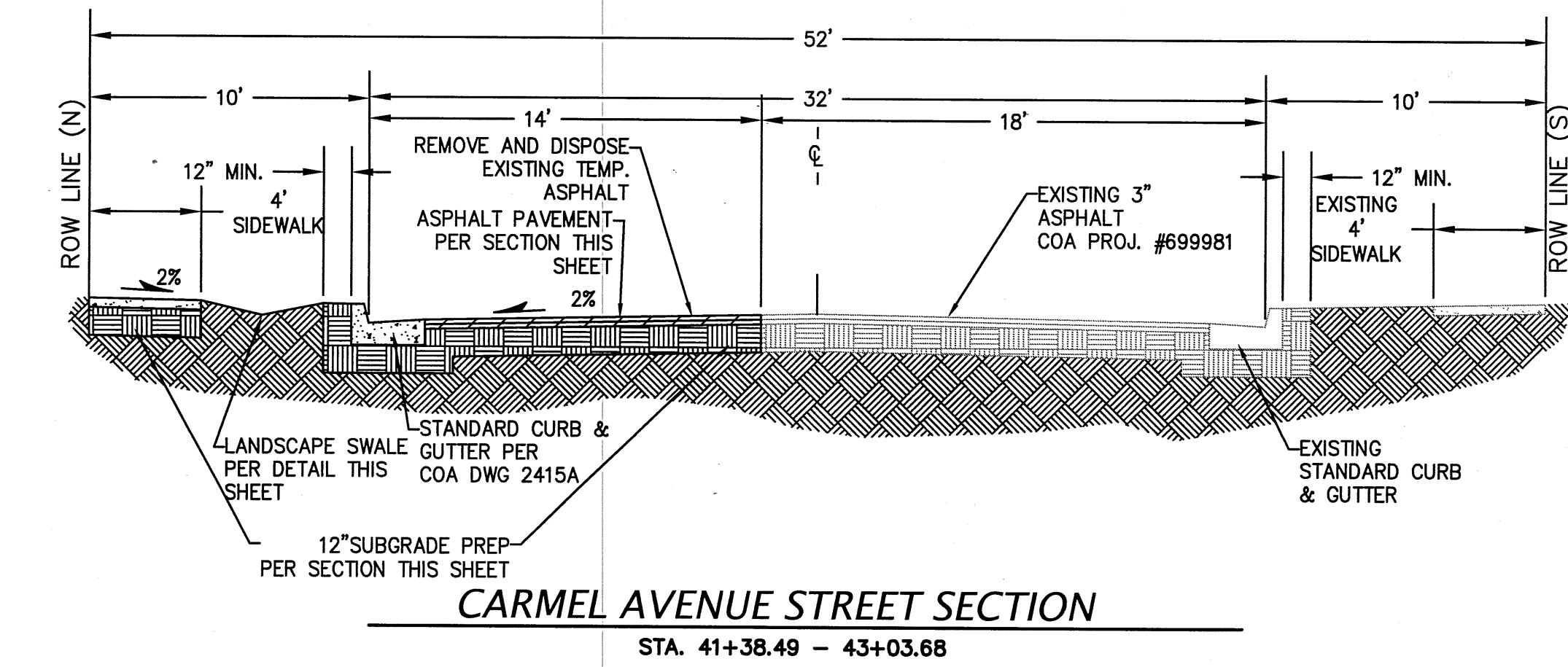
DRAINAGE SWALE FOR LOTS 2 & 3 IS NOT PRESENT. THE DRAINAGE SHALL BE COMPLETED AND CONSTRUCTED COINCIDENT TO THE CONSTRUCTION OF THE PROPERTY LINE WALL.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

FIRST FLUSH PO
72 SQ.FT @ 10" DE

POINT OF
LOT
EL. 100.00

FIRST FLUSH POND
46 SQ.FT @ 6" DEPTH



AC SURFACE COURSE
2" TYPE B SP-III, (SECTION 116.336)
PLACED AFTER ALL MANHOLES, VALVE
COVERS/RINGS ARE SET TO GRADE.

TACK COAT AS REQUIRED BY
ENGINEER

AC PAVEMENT COURSE
2" TYPE B SP-III, (SECTION
116.336)

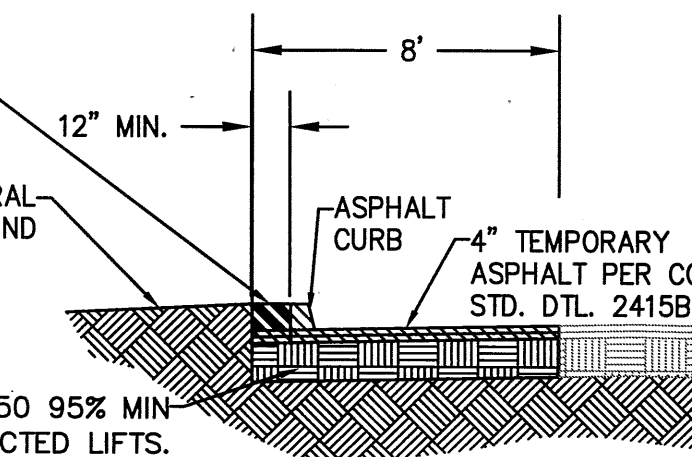
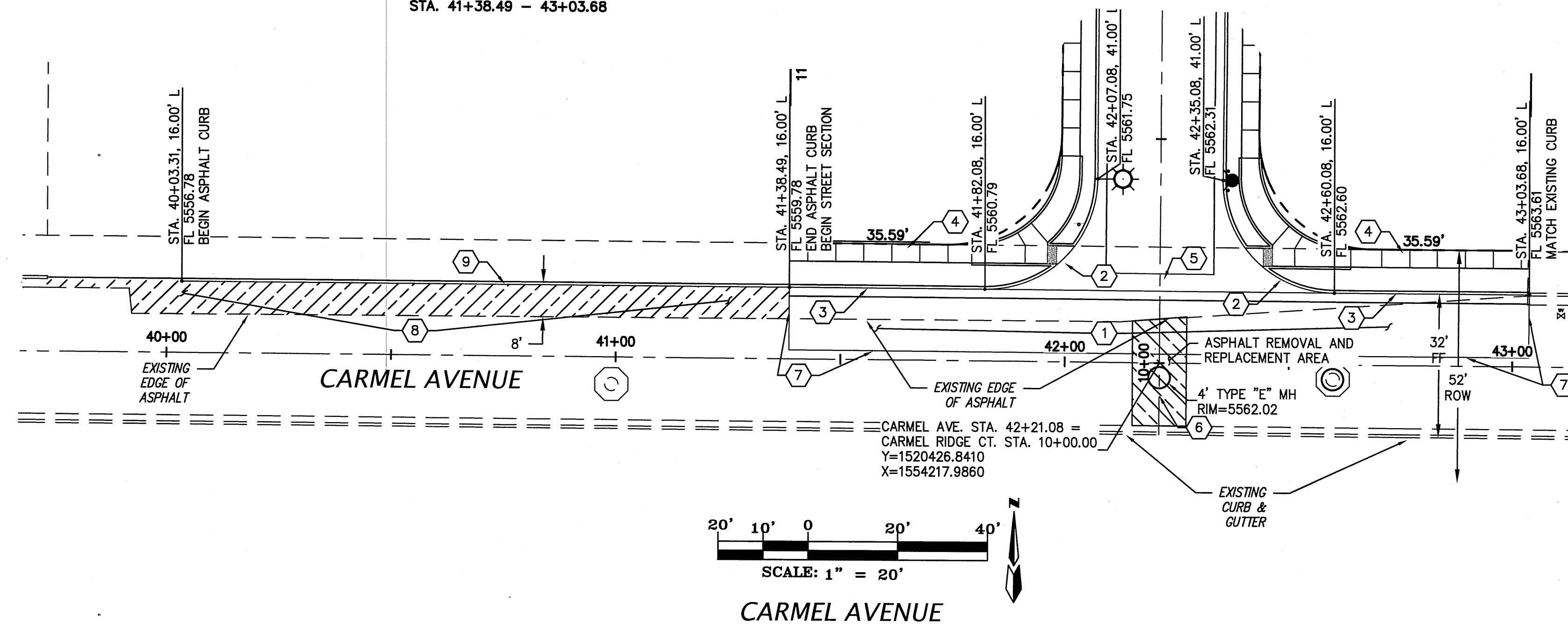
12" SUBGRADE PREP R-VALUE ≥ 50 95% MIN
COMPACTION PLACED IN 2 - 6" COMPACTED LIFTS.
SEE COA SPECIFICATION SECTION 301 FOR
SUBGRADE REQUIREMENTS ALL SUBGRADE
MATERIAL SHALL HAVE AN R-VALUE > 50 .
THOSE SUBGRADE MATERIALS ENCOUNTERED
DURING CONSTRUCTION HAVE AN R-VALUE < 50 ,
THOSE SUBGRADE MATERIALS SHALL BE REMOVED
TO A DEPTH OF NOT LESS THAN TWO (2) FEET
BELOW THE FINISHED SUBGRADE ELEVATION AND
TO THE HORIZONTAL LIMITS AUTHORIZED BY THE
ENGINEER, AND REPLACED WITH SUBGRADE
MATERIAL HAVING AN R-VALUE ≥ 50 .

FINISH SURFACE OF SUBGRADE SHALL BE
MOISTURE CONTROLLED AT COMPACTION
MOISTURE RANGE, AND/OR PRIME COAT
APPLIED AS REQUIRED BY THE ENGINEER.
COMPLETED SUBGRADE PREPARATION SHALL
BE PERFORMED AFTER ALL SUBSURFACE R/W
UTILITIES CONSTRUCTION IS COMPLETED.

90% MIN COMPACTION

CARMEL AVENUE ASPHALT SECTION

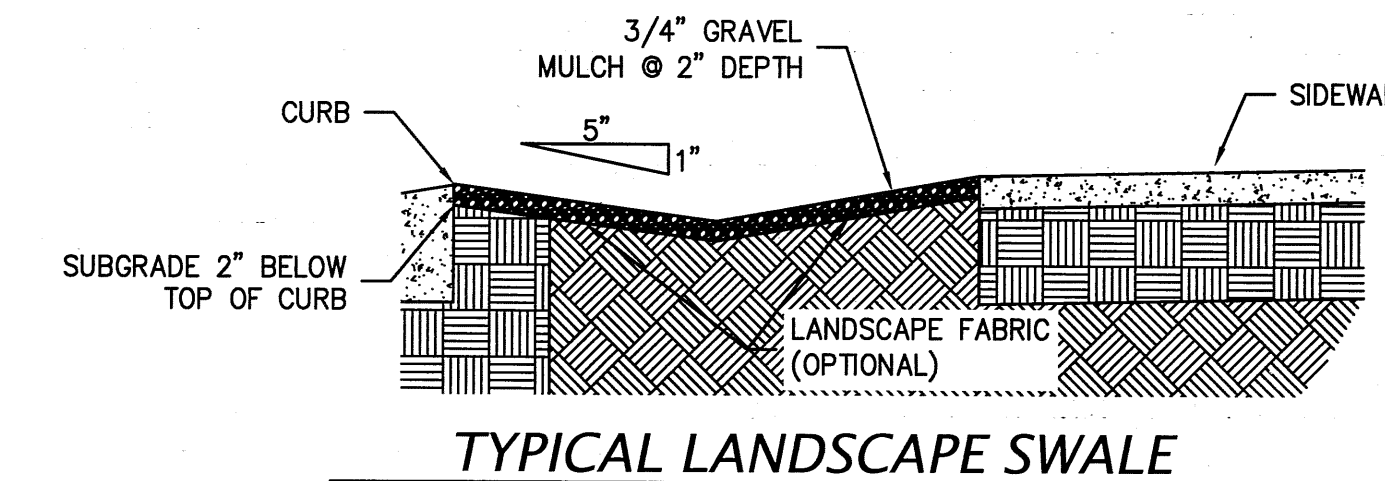
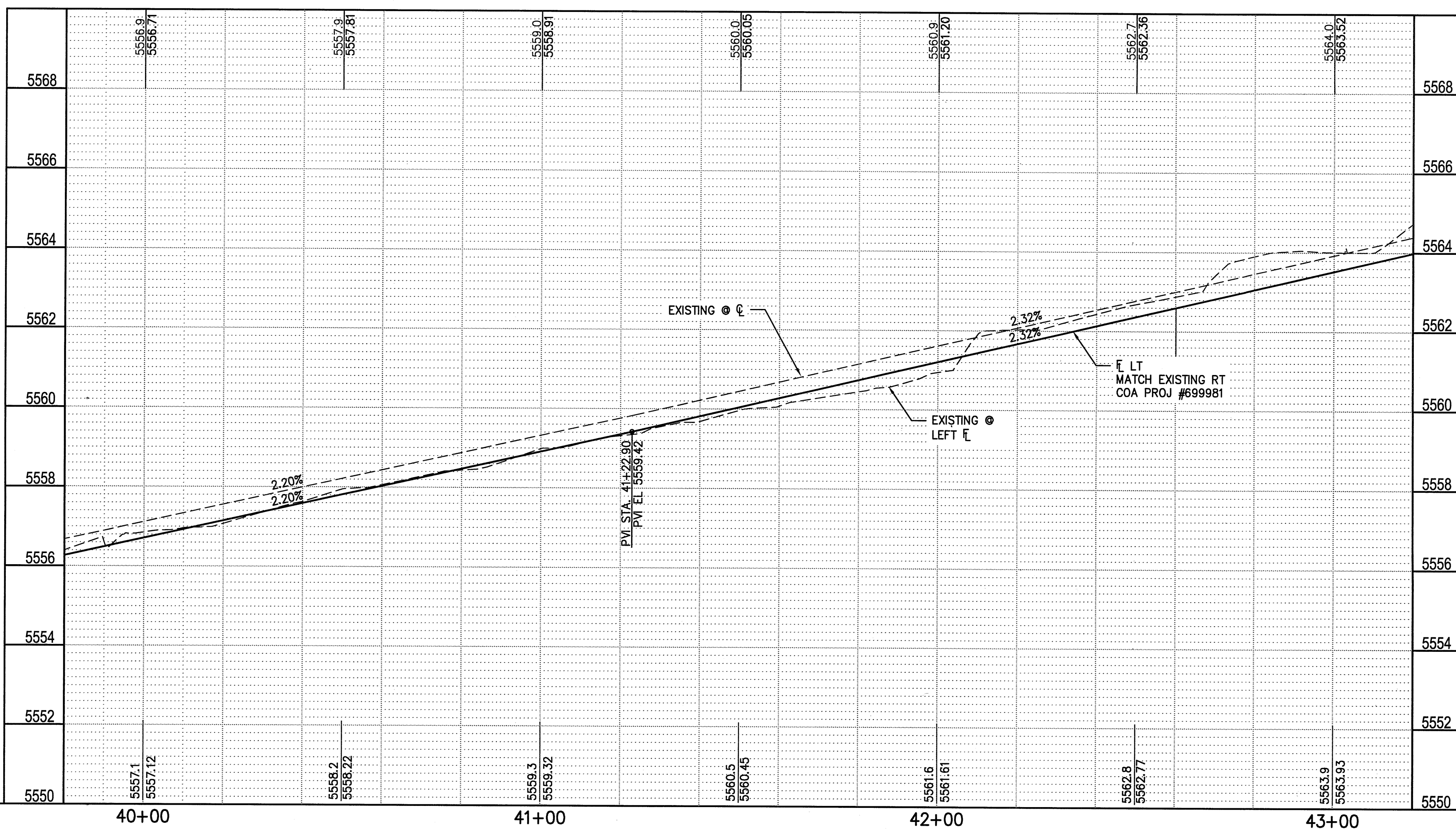
PER COA STD DWG 2405 NTS



12" SUBGRADE PREP R-VALUE ≥ 0.95 MIN
COMPACTION PLACED IN 2 - 6" COMPACTED LIFTS.
SEE COA SPECIFICATION SECTION 301 FOR
SUBGRADE REQUIREMENTS. ALL SUBGRADE
MATERIAL SHALL HAVE A MIN R-VALUE ≥ 0.5 .
THOSE SUBGRADE MATERIALS ENCOUNTERED
DURING CONSTRUCTION HAVE AN R-VALUE ≤ 0.5 ,
THOSE SUBGRADE MATERIALS SHALL BE REMOVED
TO A DEPTH OF AT LEAST 12" FEET
BELOW THE FINISHED SUBGRADE ELEVATION AND
TO THE HORIZONTAL LIMITS AUTHORIZED BY THE
ENGINEER, AND REPLACED WITH SUBGRADE
MATERIAL HAVING AN R-VALUE ≥ 0.5 .

ASPHALT CURB PAVEMENT DETAIL

STA. 40+03..31 - 41+38.49




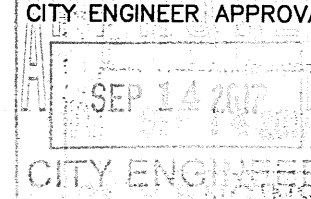
TYPICAL LANDSCAPE SWALE

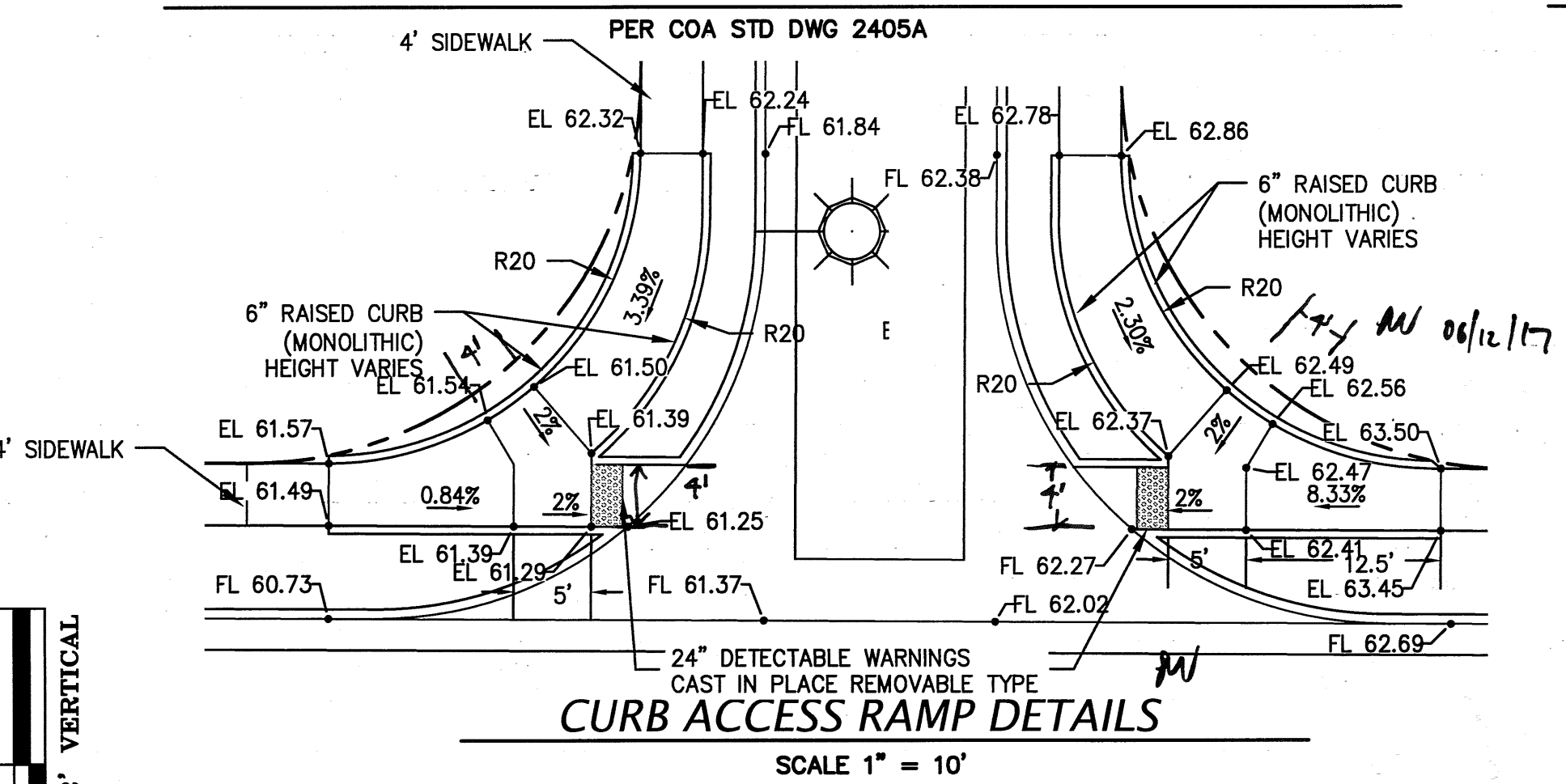
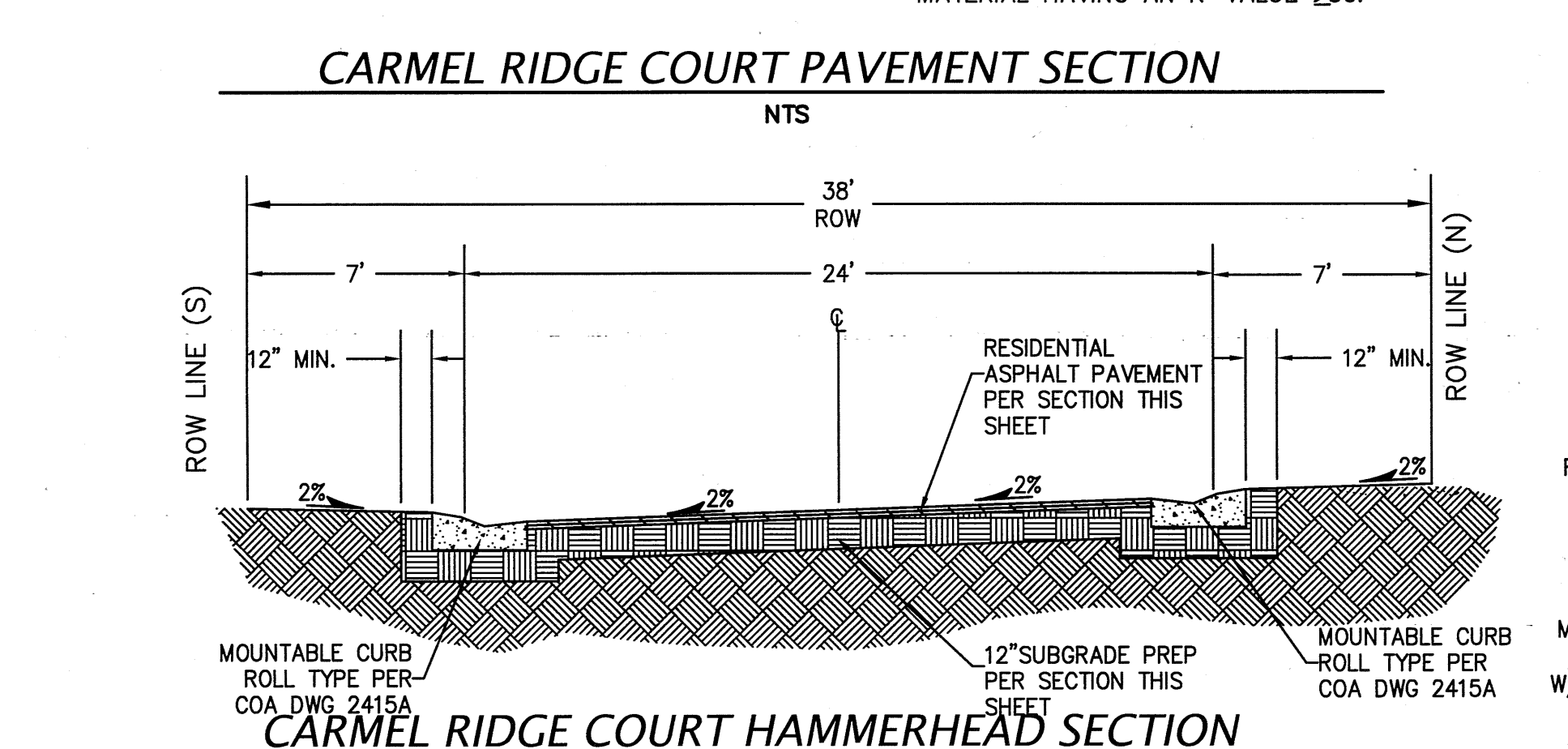
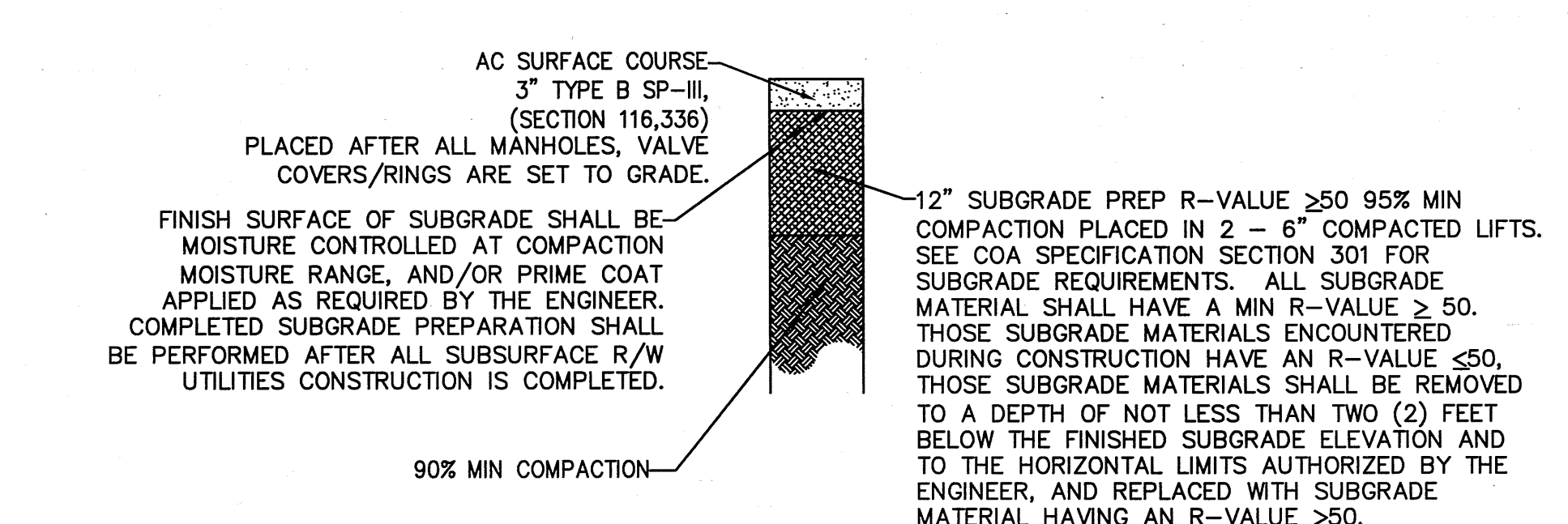
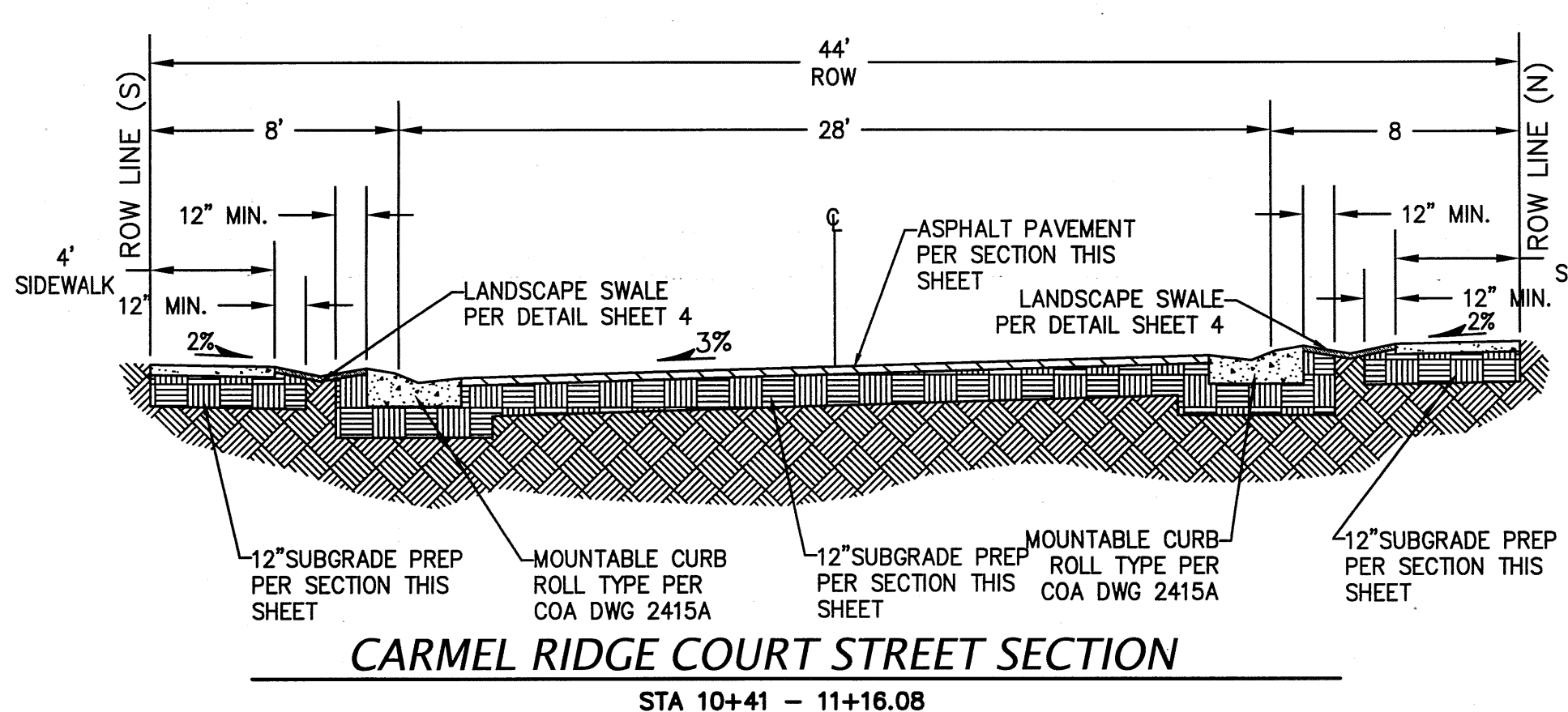
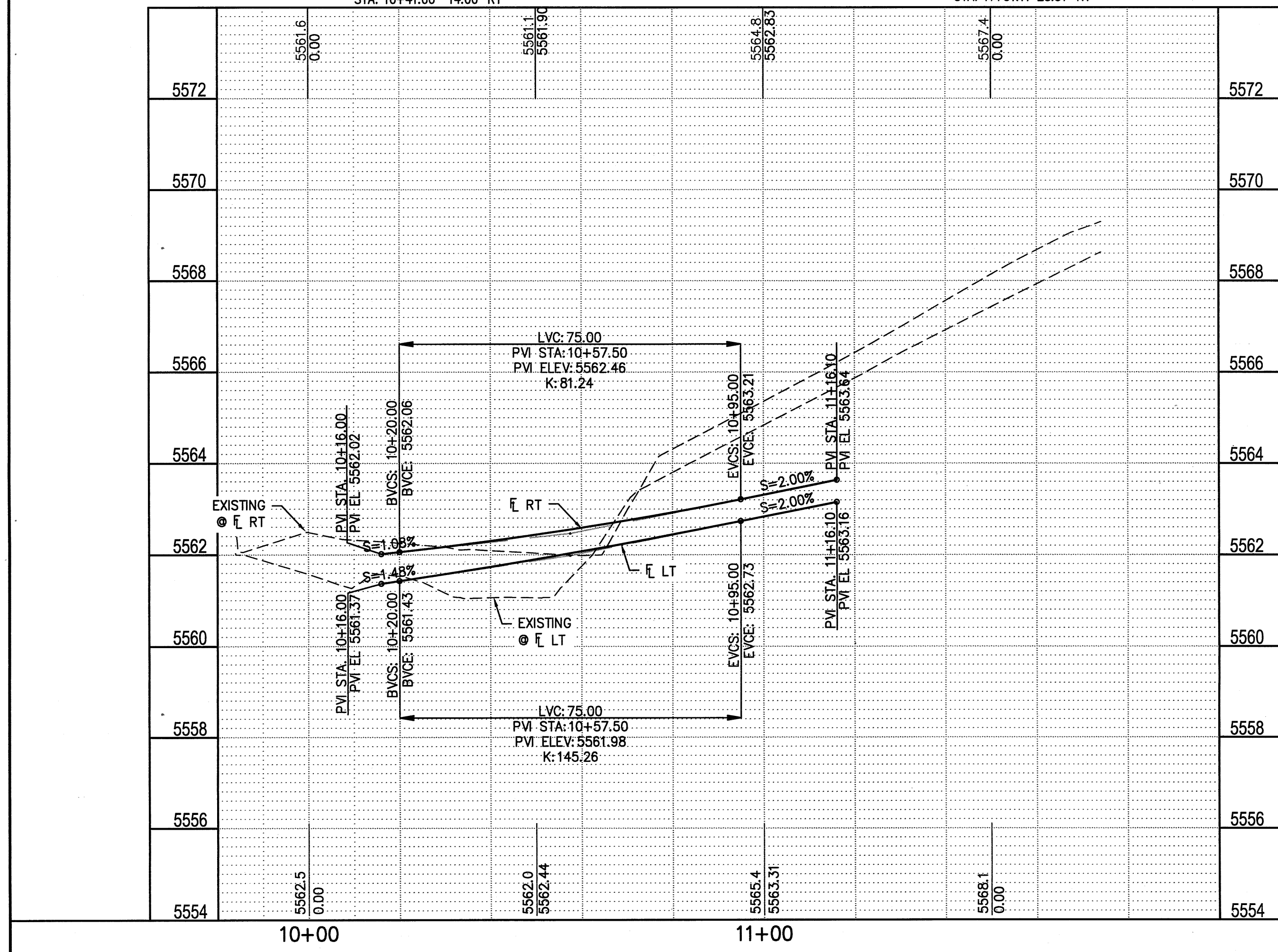
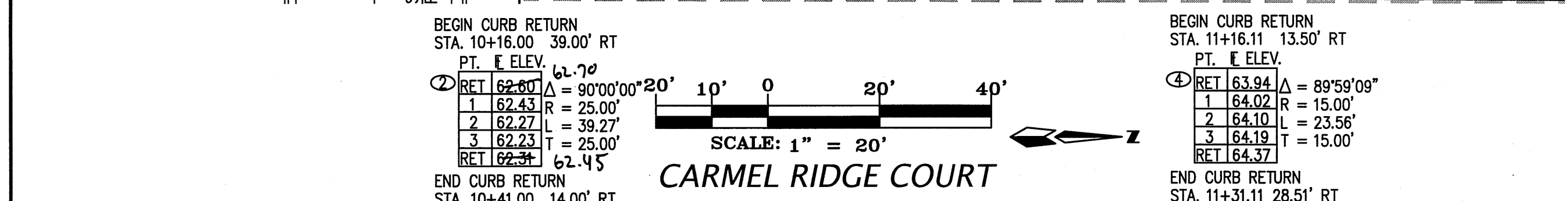
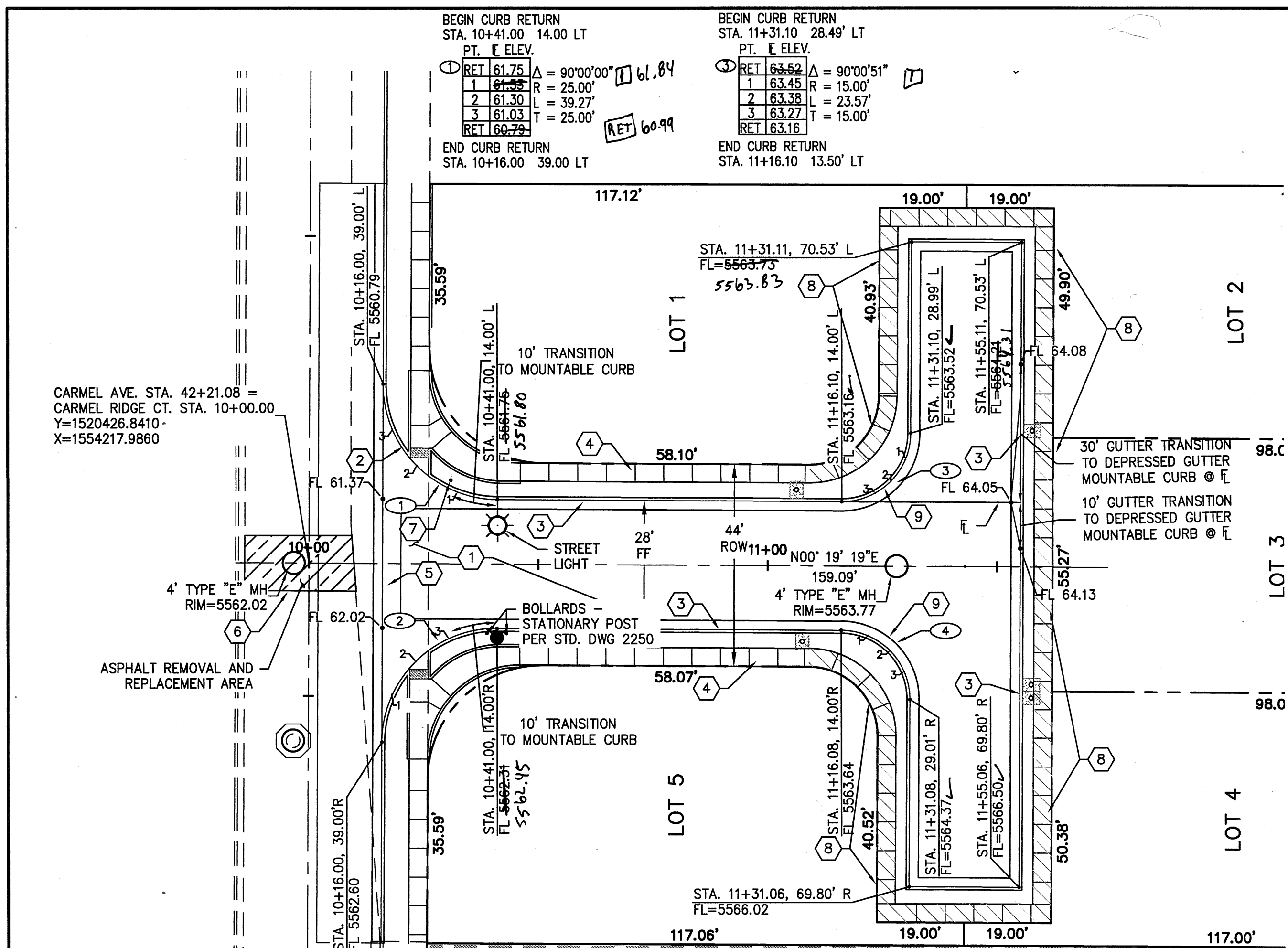
PAVING CONSTRUCTION NOTES	
I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION THIS SHEET
2	BUILD PCC CURB RETURN AND WHEELCHAIR RAMP, PER DETAIL SHEET 5 AND COA STD. DTL. 2426
3	BUILD PCC STANDARD CURB & GUTTER, PER COA STD. DTL. 2415A
4	BUILD 4' PCC SIDEWALK, PER COA STD. DTL. 2430
5	BUILD PCC VALLEY GUTTER, PER COA STD. DTL. 2420
6	SAW CUT REMOVE AND REPLACE ASPHALT, PER COA STD. DTL. 2465, MAJOR LOCAL TYPE B
7	SAW CUT REMOVE AND DISPOSE EXISTING ASPHALT
8	4" "TYPE B" TEMPORARY ASPHALT PER COA STD. DTL. 2415B
9	TEMPORARY ASPHALT CURB PER SECTION THIS SHEET

NORTH ON	CONTRACTOR	AS BUILT INFORMATION
AVENUE NE.	STAMPED BY	
PROXIED TO	INSPECTOR'S	
	ACCEPTANCE BY	
OWING	DATE	
INTERLINE OF	VERIFICATION BY	
	DRAWINGS	
STORM	CORRECTED BY	
18", 1989"	DATE	
	NO.	

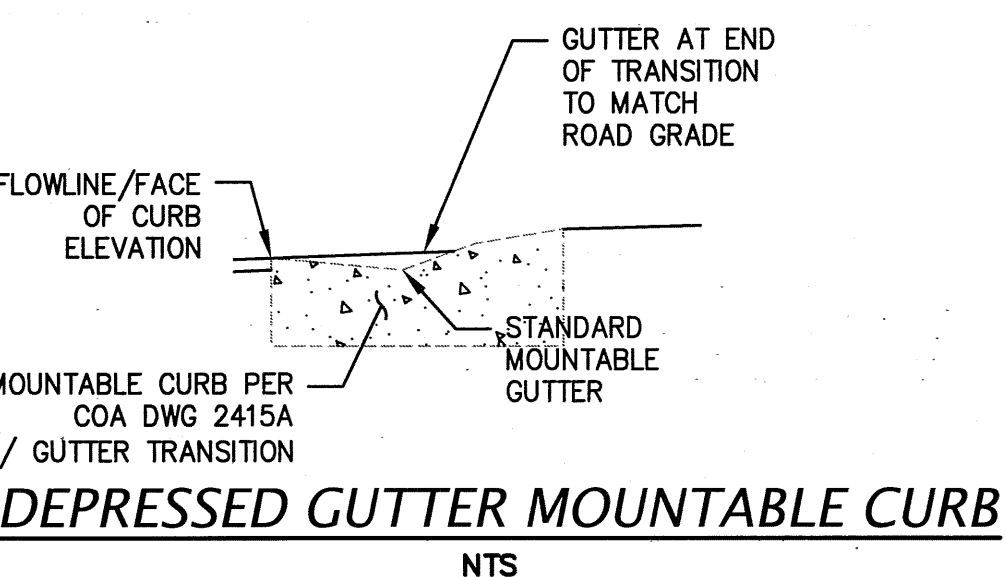
SURVEY INFORMATION			BENCH MARKS
NO.	BY	FIELD NOTES	
		"ACS BM 20-C18" TURN LEFT AND TRAVEL N 1/4	
		WYOMING BOULEVARD 1.0 MILES TO MODESTO A	
		THE BENCHMARK IS A 1 3/4" METALLIC DISK E	
		THE TOP OF THE WEST BACK OF CURB OF WYO	
		BOULEVARD, NORTH OF THE APPROXIMATE CE	
		MODESTO AVENUE, 19.0 FEET NORTHWEST OF #	
		SEWER MANHOLE 1JD, STAMPED "ACS BM 20-C-	
		X=1547745.03 Y=1547745.68 (NAD 83)	
		ELEV=5393.48 (NAD 1988)	

[illegible]

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP <u>CARMEL RIDGE SUBDIVISION</u> CARMEL AVENUE PAVING PLAN AND PROFILE				
DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		LAST DESIGN UPDATE
				Mo./DAY/YR.
				Mo./DAY/YR.
CITY PROJECT No. 705285		ZONE MAP NO. C-20		SHEET 4 OF 6



PAVING CONSTRUCTION NOTES	
I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION THIS SHEET
2	BUILD PCC CURB RETURN AND WHEELCHAIR RAMP, PER DETAIL THIS SHEET AND COA STD. DTL. 2426
3	BUILD PCC ROLL-TYPE CURB & GUTTER, PER COA STD. DTL. 2415A
4	BUILD 4" PCC SIDEWALK, PER COA STD. DTL. 2430
5	BUILD PCC VALLEY GUTTER, PER COA STD. DTL. 2420
6	SAW CUT REMOVE AND REPLACE ASPHALT, PER COA STD. DTL. 2465, MAJOR LOCAL TYPE B
7	INSTALL R1-1-30 STOP SIGN W/ POST, PER COA STD. DTL. 2900-201, 2900-601 AND 2900-702
8	DEFERRED 4" PCC SIDEWALK, PER COA STD. DTL. 2430
9	BUILD PCC CURB RETURN



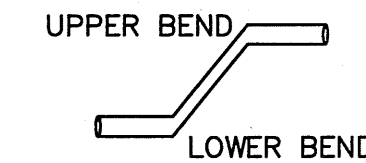
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	COMPASS BROS. & CONST.	TURN LEFT AND TRAVEL NORTH ON	DATE	FIELD NOTES	DATE	NO.	BY
STAKED BY	FILIPPA J. CAMPBELL	WYOMING BOULEVARD 1.0 MILES TO MODESTO AVENUE NE.					
INSPECTOR'S DATE		THE BENCHMARK IS A 1 3/4" METALLIC DISK EXPOSED TO					
FIELD DATE		THE TOP OF THE WEST BACK OF CURB OF WYOMING					
VERIFICATION BY	ENTERED (DATE) 05/10/17	BOULEVARD, NORTH OF THE APPROXIMATE CENTERLINE OF					
CORRECTED BY		MODESTO AVENUE, 19.0 FEET NORTHWEST OF A STORM					
MICRO-FILM INFORMATION		SEWER MANHOLE LID, STAMPED "ACS BM 20-C18", 1989"					
RECORDED BY		X=1547745.03 Y=1547745.68 (NAD 83)					
NO.		ELEV=5393.48 (NAVD. 1988)					

REVISIONS	DATE	BY	REMARKS
DESIGN	2017	REH	DATE MAR. 2017
REVISIONS	2017	REH	DATE APR. 2017
REVISIONS	2017	REH	DATE APR. 2017

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
CARMEL RIDGE SUBDIVISION CARMEL RIDGE COURT PAVING PLAN AND PROFILE	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
Mo./DAY/YR.	Mo./DAY/YR.
CITY PROJECT No. 705285	ZONE MAP No. C-20
SHEET 5	OF 6

NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE AT LEFT (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IS ON LARGE SIDE IN ALL REDUCERS.
7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.



WATER CONSTRUCTION NOTES	
I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	CONNECT NEW WATERLINE TO EXISTING WATERLINE PER COA STD. DTL. 2301
3	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
4	INSTALL FIRE HYDRANT WITH BOLLARDS PER COA STD. DTL. 2340, 2347
5	"MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT
6	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTL. 2361
7	INSTALL 6" CAP

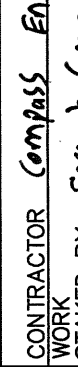
WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	137.51	N 0°19'19" E

CARMEL RIDGE COURT SANITARY SEWER SERVICES					
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	INV END	
1	10+96.24 32.00' LT	32.00	5557.80	5560.27	
2	11+72.11 53.73' LT	67.66	5557.73	5560.50	
3	11+72.11 0.00' LT	41.58	5557.73	5560.74	
4	11+72.11 46.73' RT	66.89	5557.73	5562.42	
5	10+59.51 32.00' RT	32.00	5557.83	5561.74	

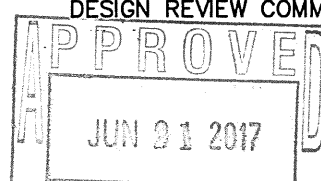
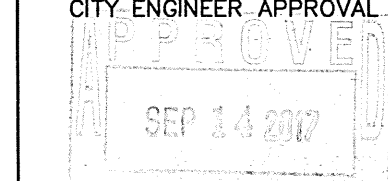
NOTE: STATIONING IS 10 FT. INTO LOT

CARMEL RIDGE COURT WATER SERVICES				
LOT NO.	WL. STATION & OFFSET	X	Y	
1	11+06.25 16.00 LT	1554201.9	1520531.8	
2	11+57.58 29.59 LT	1554166.1	1520584.8	
3	11+57.58 25.69 RT	1554244.8	1520584.4	
4	11+57.58 28.69 RT	1554247.3	1520584.4	
5	11+07.62 16.00 RT	1554235.3	1520534.7	

NOTE: STATIONING IS AT METER

OWNER'S SEAL	SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
	NO.	BY	DATE	"ACS BM 20-C18"	TURN LEFT AND TRAVEL	NORTH ON WYOMING BOULEVARD 1.0 MILES TO MODESTO AVENUE NE. THE BENCHMARK IS A 1.3/4" METALLIC DISK EPOXYED TO THE TOP OF THE WEST BACK OF CURB OF WYOMING BOULEVARD, NORTH OF THE APPROXIMATE CENTERLINE OF MODESTO AVENUE, 19.0 FEET NORTHWEST OF A STORM SEWER MANHOLE LID, STAMPED "ACS BM 20-C18".1989"	CONTRACTOR STATED BY	<i>Ferris J Company</i>	DATE <i>10/26/17</i>
							INSPECTOR'S FIELD VERIFICATION BY	<i>Ferris J Company</i>	DATE <i>11/2/17</i>
							CORRECTED BY "		
							RECORDED BY		DATE
							NO.		
						ELEV=5393.48 (NAVD 1988)			

[illegible]

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP					
CARMEL RIDGE SUBDIVISION CARMEL RIDGE COURT UTILITY PLAN AND PROFILE					
DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		LAST DESIGN UPDATE	Mo./DAY/YR.
CITY PROJECT NO. 705285		ZONE MAP NO. C-29		SHEET 6	OF 6

