

BASIS OF BEARINGS:
THE BASIS OF BEARINGS OF THIS SURVEY IS THE NORTH LINE OF PARCEL MAP FILED IN BOOK 70 OF PARCEL MAPS, PAGE 128 AS ESTABLISHED FROM MONUMENTS SHOWN AS FOUND HEREON. THE BEARING OF WHICH IS SOUTH 89°42'32" EAST, AS SHOWN ON 70 PM 128.

BENCHMARK ELEV.: 623.02' (NAVD 88).
COUNTY OF EL DORADO B.M.: 039-001.
THE CONTROL IS LOCATED SOUTH OF THE INTERSECTION OF SALMON FALLS RD & MALCOLM DIXON RD. ON THE SOUTHEAST SHOULDER OF THE INTERSECTION THERE IS AN AT&T MANHOLE. FROM THIS MANHOLE THE CONTROL IS 571' W18', THE CONTROL IS LOCATED 3.61' EAST FROM THE WHITE FOG LINE.

CUT AND FILL CALCULATIONS NOTE:
AREA OF DISTURBED LAND IS 1.70 AC. AMOUNT OF MATERIAL TO BE CUT IS 885 CU. YRD., AMOUNT TO BE FILLED IS 2,695 CU. YRD. THIS CALCULATION WAS DONE USING LAND DESKTOP VOLUME CALCULATOR FROM EXISTING GRADE AND PROPOSED FINISH GRADE (PAVEMENT SUBGRADE) TERRAIN MODELS, USING THE GRID METHOD. DUE TO THE NATURE OF CUT AND FILL CALCULATIONS, THE PERSON WHO PERFORMS THESE CALCULATIONS OR CNA ENGINEERING ARE NOT ACCOUNTABLE FOR ANY ERRORS. DEVELOPER OR CONTRACTOR SHOULD HIRE AN INDEPENDENT ENGINEER TO PERFORM THESE CALCULATIONS. EXACT EXCAVATION VOLUME WILL BE DETERMINED AT TIME OF FIELD EXCAVATION. CLEARING AND GRUBBING IS NOT INCLUDED.

FIELD VERIFICATION:
THE VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITIES AND SERVICE STUBS ARE OBTAINED HEREON FROM RECORD DATA. THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE LOCATIONS PRIOR TO EXTENDING SERVICES ON SITE. IF DISCREPANCIES EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SO THAT ADJUSTMENTS MAY BE MADE.

REGULATORY PERMITS:

RWQCB 401: N/A

ACOE: N/A

WQID:

EARTHWORK QUANTITIES:

CUT: 2,600 CY

FILL: 1,900 CY

LOCAL EXPORT: 700 CY

AREA OF DISTURBANCE:

1.70 ACRES

WATER MATERIAL LIST

ITEM	MANUFACTURER	MODEL/ TYPE/SIZE	QUANTITY
PIPE			
SERVICES			
FIRE HYDRANTS			
GATE VALVE			
ARV			

SEWER MATERIAL LIST

ITEM	MANUFACTURER	MODEL/ TYPE/SIZE	QUANTITY
PIPE			
MANHOLES			
SERVICES			

WATER SERVICE CERTIFICATION

I HEREBY CERTIFY THAT THE WATER SYSTEM AS SHOWN ON DRAWING NUMBER _____ SHEETS _____ THROUGH _____ HAS BEEN DESIGNED TO PROVIDE EACH FACILITY OF THIS PROJECT WITH ADEQUATE WATER PRESSURE AND FIRE FLOW AS OF THE DATE SHOWN, BASE ON CRITERIA SUPPLIED BY THE EL DORADO IRRIGATION DISTRICT.

REGISTERED CIVIL ENGINEER RCE NO. DATE

SEWER SERVICE CERTIFICATION

I HEREBY CERTIFY THAT THE SEWER SYSTEM AS SHOWN ON DRAWING NUMBER _____ SHEETS _____ THROUGH _____ HAS BEEN DESIGNED TO PROVIDE EACH FACILITY OF THIS PROJECT WITH SEWER SERVICE AS OF THE DATE SHOWN, BASE ON CRITERIA SUPPLIED BY THE EL DORADO IRRIGATION DISTRICT.

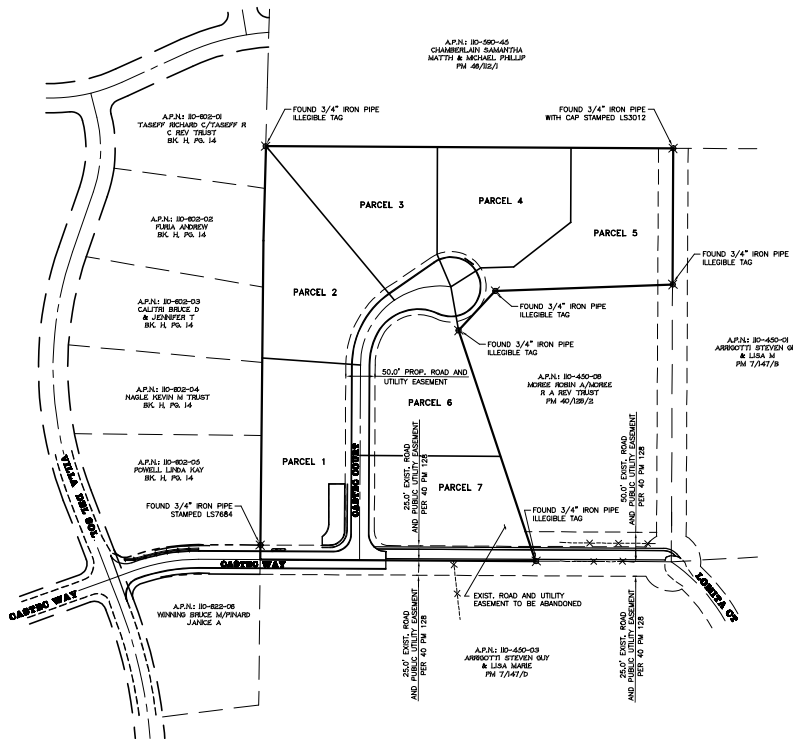
REGISTERED CIVIL ENGINEER RCE NO. DATE

RECORD DRAWING CERTIFICATE

THIS SET OF PLANS, HAVING BEEN REVIEWED BY ME, REFLECT ALL APPROVED REVISIONS TO THE PROJECT KNOWN TO ME, AND OF ALL FIELD DEVIATIONS TO THE PLANNED IMPROVEMENTS BY THE CONSTRUCTION CONTRACTOR, AS REPORTED TO ME AS OF _____ IT DOES NOT REPRESENT FIELD VERIFICATION OF PLANNED IMPROVEMENTS BY ME.

REGISTERED CIVIL ENGINEER RCE NO. DATE

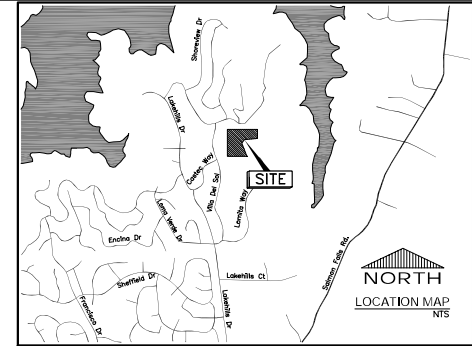
**IMPROVEMENT PLANS FOR:
SOUTHPOINTE MEADOWS
EL DORADO COUNTY STATE OF CALIFORNIA
A.P.N.: 110-450-07
TM 16-1529/ SOUTHPOINTE MEADOWS**



PROJECT SITE
SCALE: 1"= 100'

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
DROP INLET	12" 30"	CURB, GUTTER & SDWK	=====
SANITARY SEWER MANHOLE	12" 30"	CENTER LINE	-----
SANITARY SEWER	12" 30"	RIGHT-OF-WAY	-----
STORM DRAIN	12" 30"	FENCE	-----
WATER MAIN	6" 6"	DITCH FLOW DIRECTION	-----
WATER METER	6" 6"	FLOW DIRECTION	-----
FIRE HYDRANT	6" 6"	TREE	-----
BLOW OFF VALVE	6" 6"	BUSH	-----
WATER VALVE	6" 6"	STREET LIGHT	-----
AIR VACUUM AND AIR RELEASE VALVE	6" 6"	POWER POLE	-----
WATER TEE	6" 6"	PULL BOX	-----
RETAINING WALL	6" 6"	ELEVATION	-----
SLOPE	6" 6"	MAIL BOX	-----
		UTILITY BOX	-----
		SEWER SERVICE	-----



SHEET INDEX

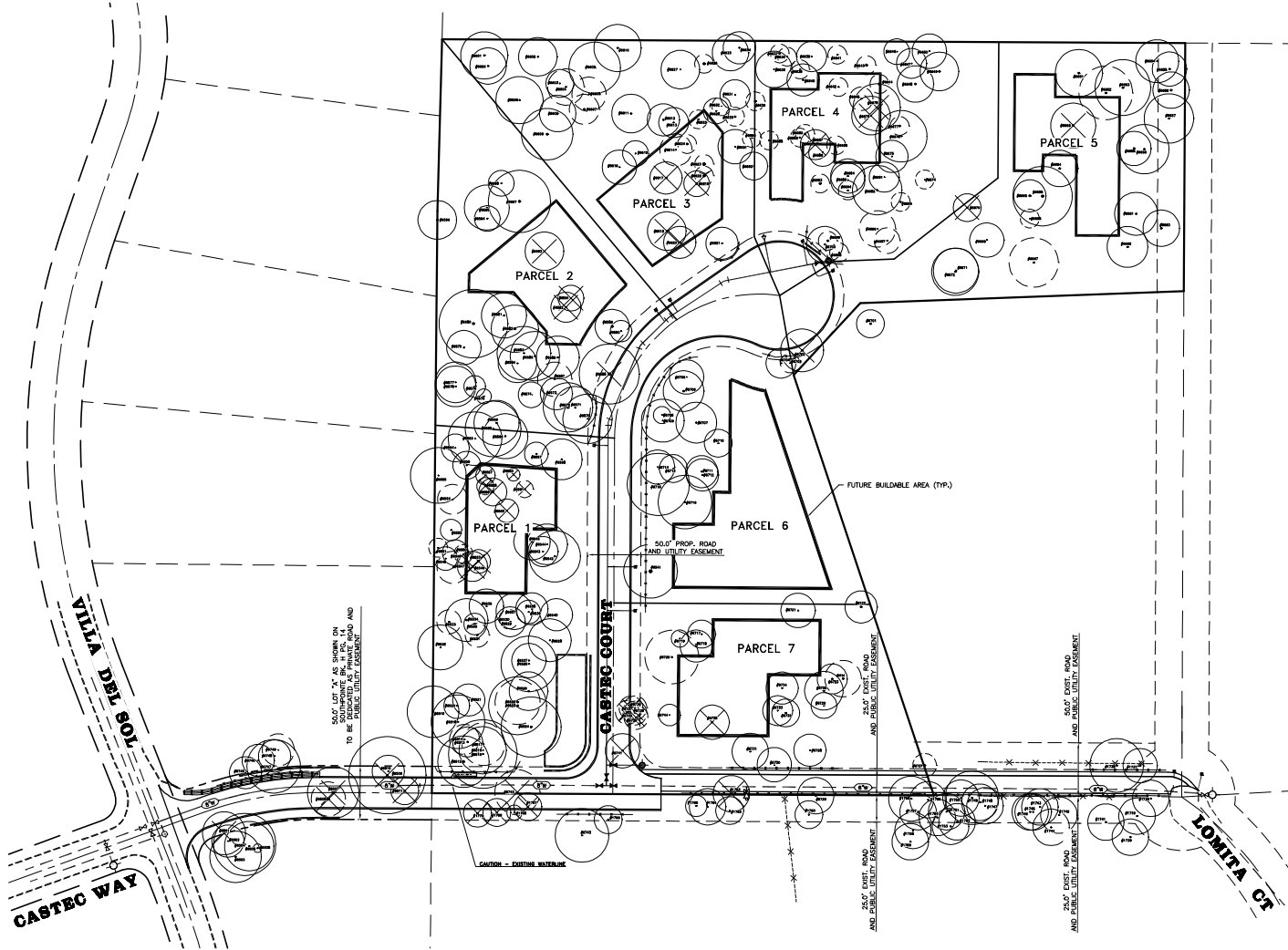
- | NO. | DESCRIPTION |
|-----|--|
| 1. | COVER SHEET |
| 2. | GENERAL NOTES |
| 3. | TREE REMOVAL PLAN |
| 4. | GRADING AND DRAINAGE PLAN |
| 5. | UTILITY PLAN |
| 6. | CASTEC WAY/FIRE ACCESS ROAD PLAN AND PROFILE |
| 7. | CASTEC COURT PLAN AND PROFILE |
| 8. | SECTIONS AND DETAILS |
| 9. | SECTIONS AND DETAILS |
| 10. | SIGHT DISTANCE PLAN AND PROFILE |
| 11. | EROSION CONTROL PLAN, NOTES AND SCHEDULE |
| 12. | EROSION CONTROL DETAILS |
| 13. | EROSION CONTROL DETAILS |
| 14. | HORIZONTAL CONTROL PLAN |
| 15. | SIGNING AND STRIPING PLAN |
| 16. | FIRE DEPARTMENT SPECS PLAN |

TWO DAYS BEFORE
YOU DIG CALL
USA TOLL FREE
800-227-2600



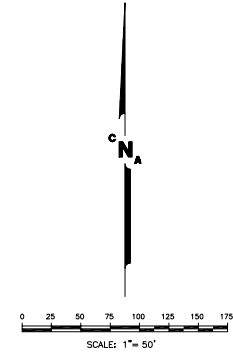
EL DORADO COUNTY (PLANNING DEPARTMENT)	
SIGNATURE	DATE
EL DORADO COUNTY (TRANSPORTATION DEPARTMENT)	
SIGNATURE	DATE
EL DORADO HILLS FIRE DEPARTMENT	
FIRE MARSHAL	DATE
EL DORADO IRRIGATION DISTRICT	
APPROVED FOR CONSTRUCTION	DATE
PROJECT NO. 2892DEV	WORK ORDER NO. 828736
DRAWING NO.	

APPROVED BY	DATE
NO.	DESCRIPTION
NO.	REVISION
CNA ENGINEERING INC. CNA ENGINEERING PLANNING/STRUCTURAL DESIGN 11000 CANTERBURY DRIVE SUITE 100 DUBLIN, CA 94568 TEL: (916) 485-3746 FAX: (916) 485-3746 WWW.CNAENGINEERING.COM	
COVER SHEET FOR: SOUTHPOINTE MEADOWS STATE OF CALIFORNIA COUNTY OF EL DORADO	
DATE: 10/26/2020 FN: 17175_5.DWG SHEET 1 OF 16 SHEETS	



TREE LEGEND

- TREES TO BE SAVED (PROTECTED) DRIPLINE RADIUS
- TREES TO BE REMOVED (PROTECTED) TREE NUMBER PER ARBORIST REPORT
- TREES TO BE SAVED (NOT PROTECTED)
- TREES TO BE REMOVED (NOT PROTECTED)
- TREE PROTECTIVE FENCE



PROJECT SITE
SCALE: 1"= 50'

NOTE:
STUMPS WITHIN 6' OF EXISTING 8" WATER MAIN TO BE REMOVED BY HAND DIGGING. USE AGGREGATE BASE FOR BACKFILL. NOTIFY AND COORDINATE WITH EID.



TREE INVENTORY PLAN FOR: SOUTHPOINTE MEADOWS

DATE: 10/26/2020
FN: 17175_5.DWG
SHEET

3 OF 16
SHEETS

NO.	DESCRIPTION	APPROVED BY	DATE
1	REVISIONS		
2			
3			
4			
5			

CNA ENGINEERING INC.
CIVIL, LANDSCAPE ARCHITECTURE,
PLANNING, STRUCTURAL DESIGN
PHONE: (916) 485-3746
2575 VALLEY ROAD, SACRAMENTO, CA 95821
CNAENGINEERING.COM



PREPARED BY: [blank]
DESIGNED BY: VAL T.
CHECKED BY: CHRIS G.
ASSESSOR'S PARCEL NO.: 110-450-07

Topographic map of a development site showing seven parcels (1-7), contour lines, and engineering details. The map includes labels for 'PARCEL 1' through 'PARCEL 7', 'LINE OF WORK', 'LIMIT OF WORK', and 'CAUTION - EXISTING WATERLINE'. It also features a north arrow, a scale bar (1 inch = 40 feet), and various elevation points and stationing data along the roads and boundaries.



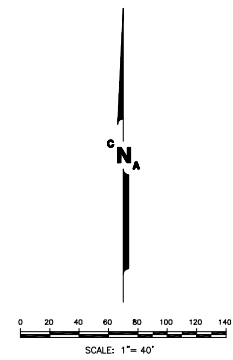
DATE: _____

4 OF 16
SHEETS

CNA ENGINEERING INC.
CIVIL ENGINEERING; LAND SURVEYING
PLANNING; STRUCTURAL DESIGN

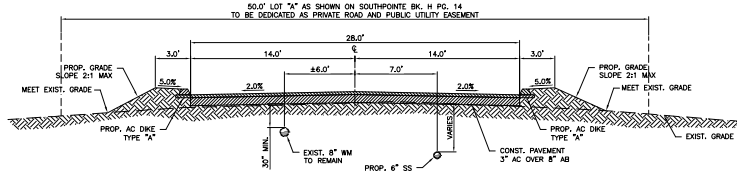
PHONE: (916) 485-3746
2575 VALLEY ROAD, SACRAMENTO, CA 95821

NO.	DESCRIPTION	APPROVED BY	DATE
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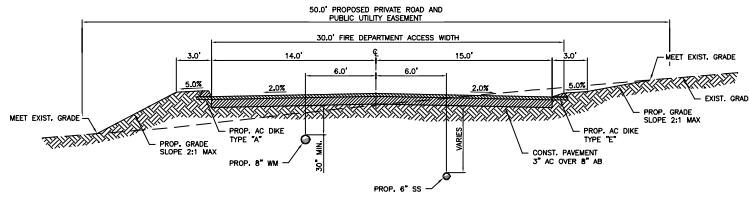


DATE: _____

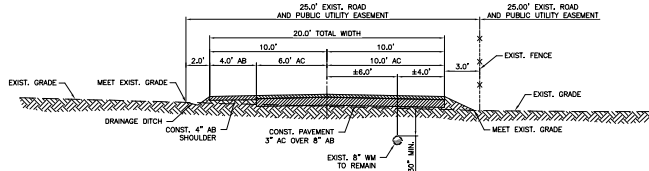
DATE : 10/26/2020 FN: 17175_S.DWG SHEET 5 OF 16 SHEET		UTILITY PLAN FOR: SOUTHPOINTE MEADOWS COUNTY OF EL DORADO STATE OF CALIFORNIA		SCALE HORIZ. 1"= 40' VERT. 1"= N/A FLD BK.: N/A		PREPARED BY DRAFTED BY: VAL. T. DESIGNED BY: STEVE N. CHECKED BY: CHRIS O.				CNA ENGINEERING INC. CIVIL ENGINEERING, LAND SURVEYING PLANNING, STRUCTURAL DESIGN PHONE: (916) 485-3746 2575 VALLEY ROAD, SACRAMENTO, CA 95821 val@cnaeng.com		INCH. REVISIONS APPROVED BY / DATE	
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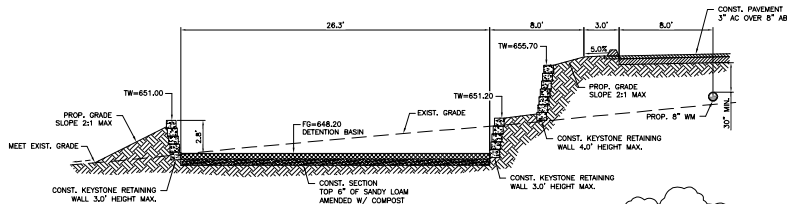
TYPICAL CASTEC WAY SECTION
FROM STA. 1+56.47 TO STA. 3+90.00
N.T.S.



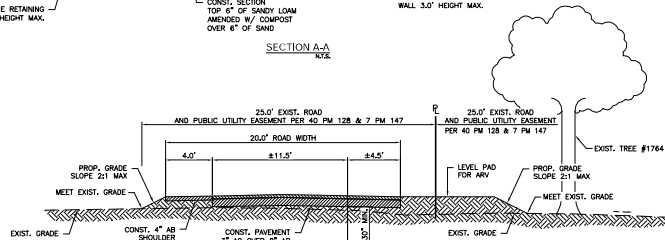
TYPICAL CASTEC COURT SECTION
FROM STA. 4+74.66 TO STA. 5+18.25
N.T.S.



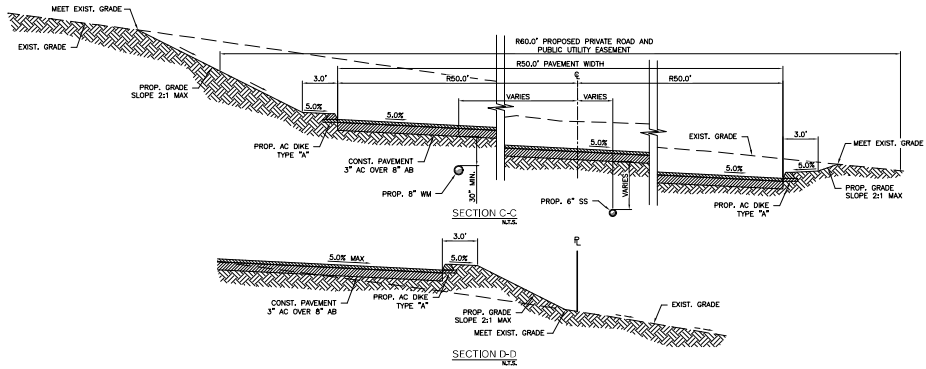
TYPICAL FIRE ACCESS ROAD SECTION
N.T.S.



SECTION A-A
N.T.S.

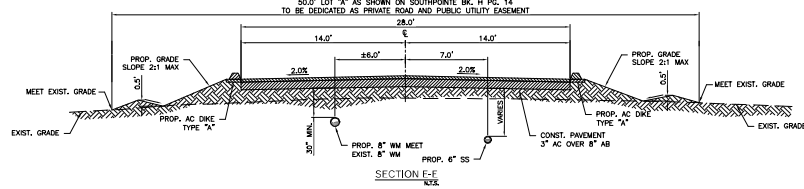


SECTION B-B
N.T.S.

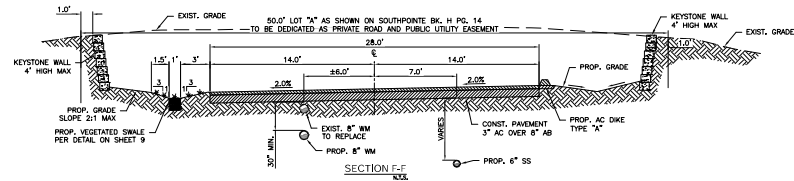


SECTION C-C
N.T.S.

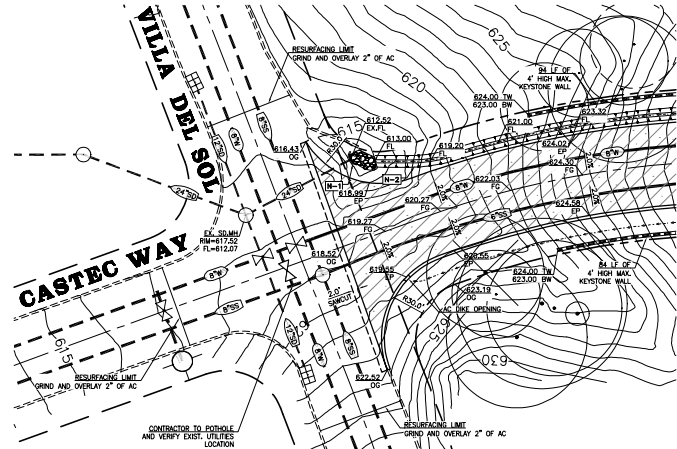
SECTION D-D
N.T.S.



SECTION E-E
N.T.S.



SECTION F-F
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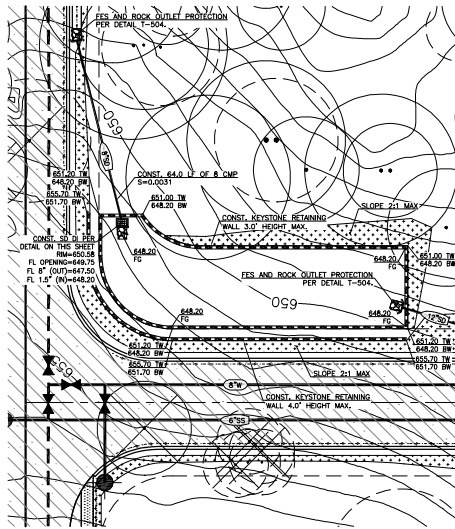
INTERSECTION DETAIL 'A'
SCALE: 1"= 20'

- CONSTRUCTION KEYNOTES:**
- N-1 EXIST. 24" INLET TO FURNISH WITH FES AND INLET PROTECTION PER IL DORADO COUNTY DETAIL T-504 UNDER THE ROCK PLACE 6" TOP SANDY LOAM SOIL AMENDED WITH COMPOST OVER THE 4" OF SAND.
 - N-2 CONST. 127 L.F. OF VEGETATED SINGLE PER DETAIL ON SHEET 9, GRADE TO FOLLOW THE ROAD SLOPE.

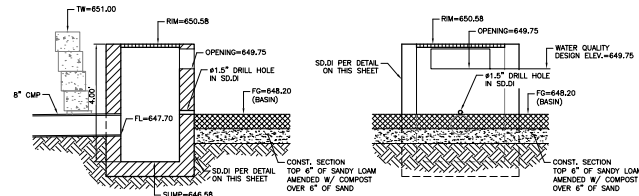


NO.	DESCRIPTION	APPROVED BY	DATE
1	PLANNING		
2	STRUCTURAL DESIGN		
3	CIVIL ENGINEERING		
4	CONSTRUCTION		
5	NOI/SA/BI		

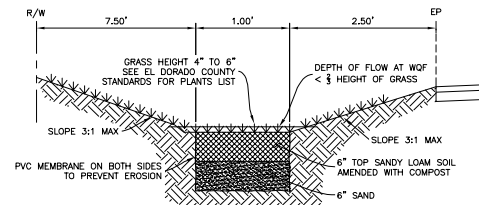
CNA ENGINEERING INC. CIVIL ENGINEERING PLANNING STRUCTURAL DESIGN	PREPARED BY: _____ DRAFTED BY: VAL T. DESIGNED BY: STEVE N. F.L.D. BY: CHRIS G. ASSESSOR'S PARCEL NO.: 110-450-07
CNA	
SECTIONS AND DETAILS FOR: SOUTHPONTE MEADOWS	DATE: 10/26/2020 FN: 17175_5.DWG SHEET
COUNTY OF EL DORADO STATE OF CALIFORNIA	8 OF 16 SHEETS



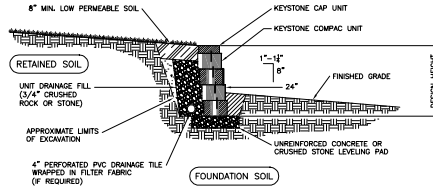
STORM DRAIN DETAIL "B"
SCALE: 1" = 20'



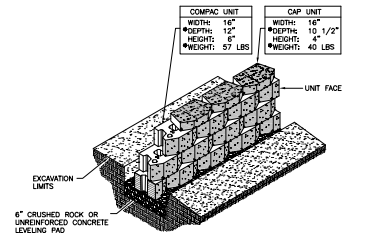
DETAIL OF STORM DRAIN OUTFALL
N.T.S.



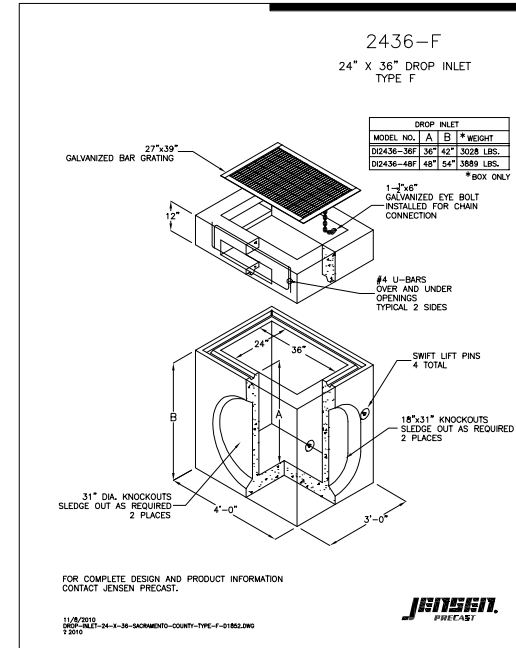
TYPICAL GRASSY SWALE
N.T.S.



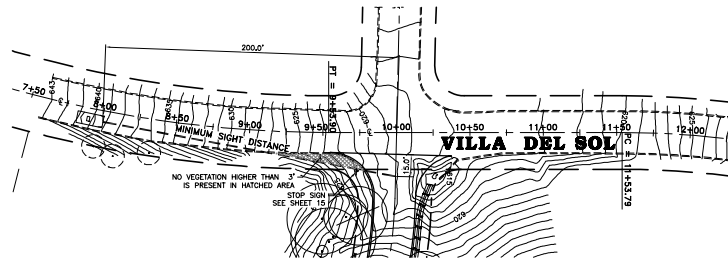
TYPICAL GRAVITY WALL SECTION
COMPACT UNIT - 1" SETBACK



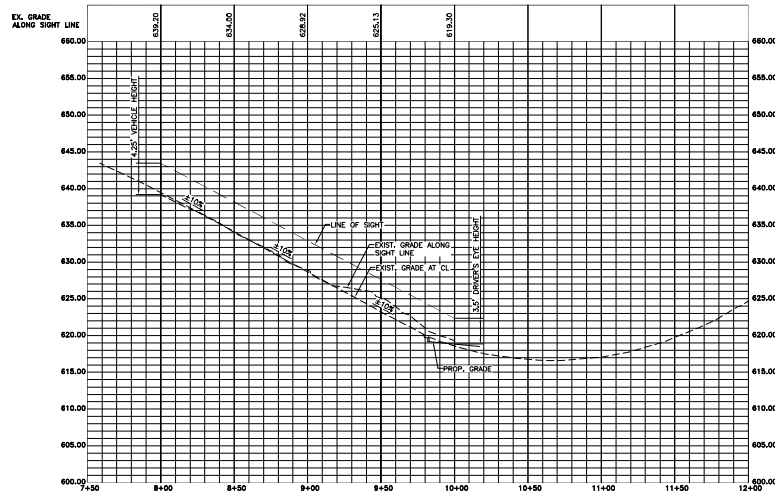
COMPACT UNIT/BASE PAD ISOMETRIC SECTION VIEW
*DIMENSIONS & WEIGHT MAY VARY BY REGION



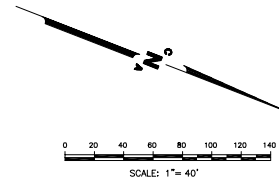
APPROVED BY	DATE
DESCRIPTION	NO.
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24" X 36" DROP INLET TYPE F	
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PROJECT SITE
SCALE: 1"= 40'



SIGHT DISTANCE PROFILE
HORIZ. SCALE: 1"= 40', VERT. SCALE: 1"= 8'



DATE: 10/26/2020		APPROVED BY: _____	
FN: 17175_5.DWG		DESCRIPTION: _____	
SHEET		NO. _____	
10 OF 16		REVISIONS: _____	
SHEETS		NO. _____	

**SIGHT DISTANCE PLAN
AND PROFILE FOR:
SOUTHPOINTE MEADOWS**

COUNTY OF EL DORADO
STATE OF CALIFORNIA

CNA ENGINEERING INC.
CIVIL ENGINEERING
PLANNING / STRUCTURAL DESIGN

PHONE: (916) 485-3746
2575 VALLEY ROAD, SACRAMENTO, CA 95821
CNAENGINEERING.COM

PREPARED BY: _____

SCALE: _____

HORIZ. 1"= 40'

VERT. 1"= N/A

FLD BK.: N/A

ASSESSOR'S PARCEL NO.: 110-450-07

DRAWN BY: VAL T.

DESIGNED BY: STEVE N.

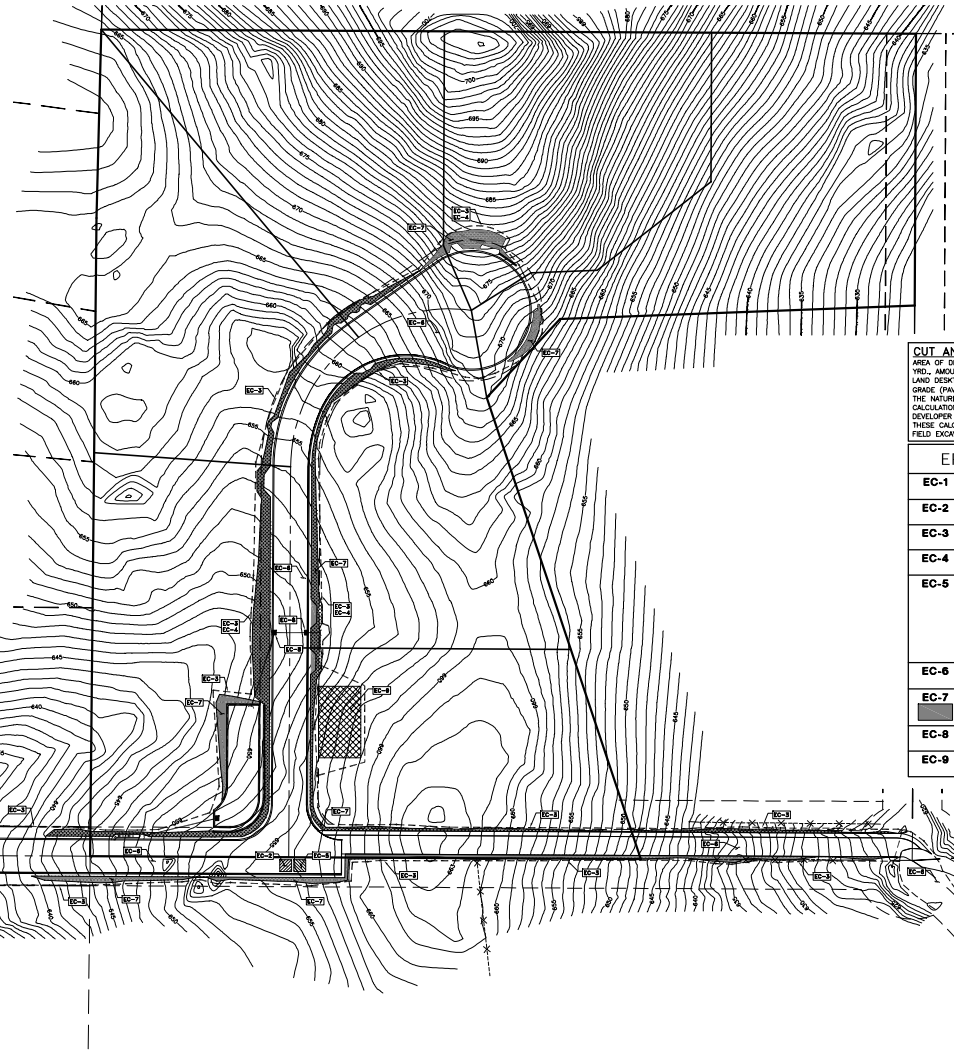
CHECKED BY: CHRIS G.

BEST MANAGEMENT PRACTICE	LOCATION	IMPLEMENTATION SCHEDULE	MAINTENANCE SCHEDULE
A. PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS, UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILER AND SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. INSPECT SITE PERIMETER MONTHLY TO VERIFY THE OUTSIDE VEGETATION IS NOT DISTURBED.
B. PROTECT GRADED AREAS AND SLOPES FROM WASHOUT & EROSION	THROUGHOUT PROJECT SITE	DURING WET SEASON	INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. REGRADE TRIBUTARY AREAS OR INSTALL FILTER BARRIERS OR SAND BAG DIKES AS NECESSARY TO PREVENT EROSION.
C. GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE DURING WET SEASON UNTIL ROADWAYS ARE PAVED	INSPECT DAILY AND AFTER EACH STORM. REMOVE ON-SITE SEDIMENT DEPOSITED BEHIND BERM OR BARRIER TO MAINTAIN EFFECTIVENESS.
D. INLET FILTER BAG	INLETS TO THE STORM DRAINAGE SYSTEM	CONTINUOUS UNTIL LANDSCAPING IS IN PLACE	INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT AND DEBRIS BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. REPAIR OR REPLACE INLET FILTER BAG AS SOON AS DAMAGE OCCURS.
E. FIBER ROLL	SEE NOTE 12 OF EROSION & SEDIMENT CONTROL NOTES	CONTINUOUS	INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT DEPOSITED BEHIND FIBER ROLL WHENEVER NECESSARY TO MAINTAIN EFFECTIVENESS.
F. HYDROSEEDING	3:1 SLOPES	IN PLACE DURING BY SEPT. 15	INSPECT SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. IF EROSION IS NOTED, SPREAD STRAW MULCH OVER AFFECTED AREAS.
G. STABILIZED CONSTRUCTION ENTRANCE	ENTRANCES TO SITE FROM PUBLIC ROADWAYS	CONTINUOUS, UNTIL ENTRANCES AND ON-SITE ROADWAYS ARE PAVED	INSPECT ON A MONTHLY BASIS AND AFTER EACH RAINFALL. ADD AGGREGATE BASE MATERIAL WHENEVER NECESSARY TO PREVENT SEDIMENT FROM BEING TRACKED INTO PUBLIC STREET.
H. WIND EROSION CONTROL PRACTICES	WHEREVER NECESSARY THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL GRADING IS COMPLETED AND SOILS HAVE STABILIZED	INSPECT SITE DURING WINDY CONDITIONS TO IDENTIFY AREAS WHERE WIND EROSION IS OCCURRING AND ABATE EROSION AS NECESSARY.
I. GOOD HOUSEKEEPING MEASURES	THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A MONTHLY BASIS TO VERIFY THAT GOOD HOUSEKEEPING PRACTICES ARE BEING IMPLEMENTED.
J. PROPER CONSTRUCTION MATERIAL STORAGE	DESIGNATED AREA	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A WEEKLY BASIS TO VERIFY THAT CONSTRUCTION MATERIALS ARE STORED IN A MANNER, WHICH COULD NOT CAUSE STORM WATER POLLUTION.
K. PROPER CONSTRUCTION WASTE STORAGE AND DISPOSAL, INCLUDING 1) CONCRETE SPILL CLEANUP INCLUDING SUPPLIES 2) PAINT & PAINTING SUPPLIES 3) VEHICLE FUELING MAINTENANCE & CLEANING	DESIGNATED COLLECTION AREA AND CONTAINERS MATERIAL HANDLING AREA	IMMEDIATELY AT TIME OF SPILL	INSPECT MATERIAL HANDLING AREAS ON AT LEAST A MONTHLY BASIS TO VERIFY PROPER SPILL CLEANUP.
L. STREET AND STORM DRAINAGE FACILITY MAINTENANCE DEFINITIONS	DESIGNATED AREA WITH SECONDARY CONTAINMENT	CONTINUOUS	KEEP AMPLIE SUPPLIES OF SPILL CLEANUP MATERIALS ON SITE & INSPECT ON REGULAR SCHEDULE.
M. STREET AND STORM DRAINAGE FACILITIES	STREETS AND STORM DRAINAGE FACILITIES	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	MAINTAIN STORM DRAINAGE FACILITIES AND PAVED STREETS CLEAR OF SEDIMENT AND DEBRIS.

1. WET SEASON: ENTIRE PERIOD BETWEEN OCTOBER 1 THROUGH APRIL 30. CONTRACTOR SHALL ALSO IMPLEMENT WET SEASON MEASURES IF WET WEATHER IS EXPECTED DURING THE DRY SEASON.

2. PHASES OF GRADING:
 INITIAL WHEN CLEARING AND GRUBBING ACTIVITIES OCCUR.
 ROUGH WHEN CUT AND FILL ACTIVITIES OCCUR AND THE SITE IMPROVEMENTS ARE CONSTRUCTED, INCLUDING UNDERGROUND PIPING, STREETS, SIGNALS, AND OTHER IMPROVEMENTS.
 FINAL WHEN FINAL ELEVATIONS ARE SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR COUNTY OF EL DORADO ACCEPTANCE.

CASTEC WAY
AVENUE DEL ROS



CUT AND FILL CALCULATIONS NOTE:
 AREA OF DISTURBED LAND IS 1.70 AC. AMOUNT OF MATERIAL TO BE CUT IS 885 CU. YRD. AMOUNT TO BE FILLED IS 2,695 CU. YRD. THIS CALCULATION WAS DONE USING LAND DESKTOP VOLUME CALCULATOR FROM EXISTING GRADE AND PROPOSED FINISH GRADE (PAVEMENT SUBGRADE) TERRAIN MODELS, USING THE GRID METHOD. DUE TO THE NATURE OF CUT AND FILL CALCULATIONS, THE PERSON WHO PERFORMS THESE CALCULATIONS OR CNA ENGINEERING ARE NOT ACCOUNTABLE FOR ANY ERRORS. DEVELOPER OR CONTRACTOR SHOULD HIRE AN INDEPENDENT ENGINEER TO PERFORM THESE CALCULATIONS. EXACT EXCAVATION VOLUME WILL BE DETERMINED AT TIME OF FIELD EXCAVATION. CLEARING AND GRUBBING IS NOT INCLUDED.

EROSION CONTROL KEYNOTES:

EC-1	STABILIZED CONSTRUCTION ENTRANCE SEE CASQA DETAIL TC-1 ON SHEET 12.
EC-2	CONCRETE WASHOUT SEE DETAIL EC-2 ON SHEET 11.
EC-3	FIBER ROLLS SEE DETAIL EC-3 ON SHEET 11.
EC-4	SILT FENCE SEE DETAIL EC-4 ON SHEET 11.
EC-5	MATERIALS STORAGE AREA AND DEBRIS/SOLID WASTE STOCKPILES VEHICLE/EQUIPMENT MAINTENANCE, FUELING AND WASHING AREAS, IF APPLICABLE, TO BE VERIFIED BY CONTRACTOR AND APPROVED BY CITY IF CHANGED. ALL MATERIALS STORED ON SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS. SEE REQUIRED BMPs NOTE "E" ON THIS SHEET.
EC-6	DUST CONTROL WATER TRUCKS, SWEEPERS.
EC-7	EROSION CONTROL BLANKETS SEE DETAIL EC-7 ON SHEET 12.
EC-8	STORM DRAIN INLET PROTECTION SEE DETAILS EC-8 AND EC-9 ON SHEET 12.
EC-9	STOCKPILE MANAGEMENT SEE CASQA DETAIL WM-3 ON SHEET 13.

PROJECT SITE
 SCALE: 1"= 40'



**EROSION CONTROL PLAN,
 NOTES AND SCHEDULE FOR
 SOUTHPOINTE MEADOWS**
 COUNTY OF EL DORADO
 STATE OF CALIFORNIA

DATE: 10/26/2020
 FILE: 17175_5.DWG
 SHEET

11 of **16**
 SHEETS

NO.	DESCRIPTION	APPROVED BY	DATE
1	PRELIMINARY EROSION CONTROL PLAN		
2	FINAL EROSION CONTROL PLAN		
3	REVISIONS		
4			
5			

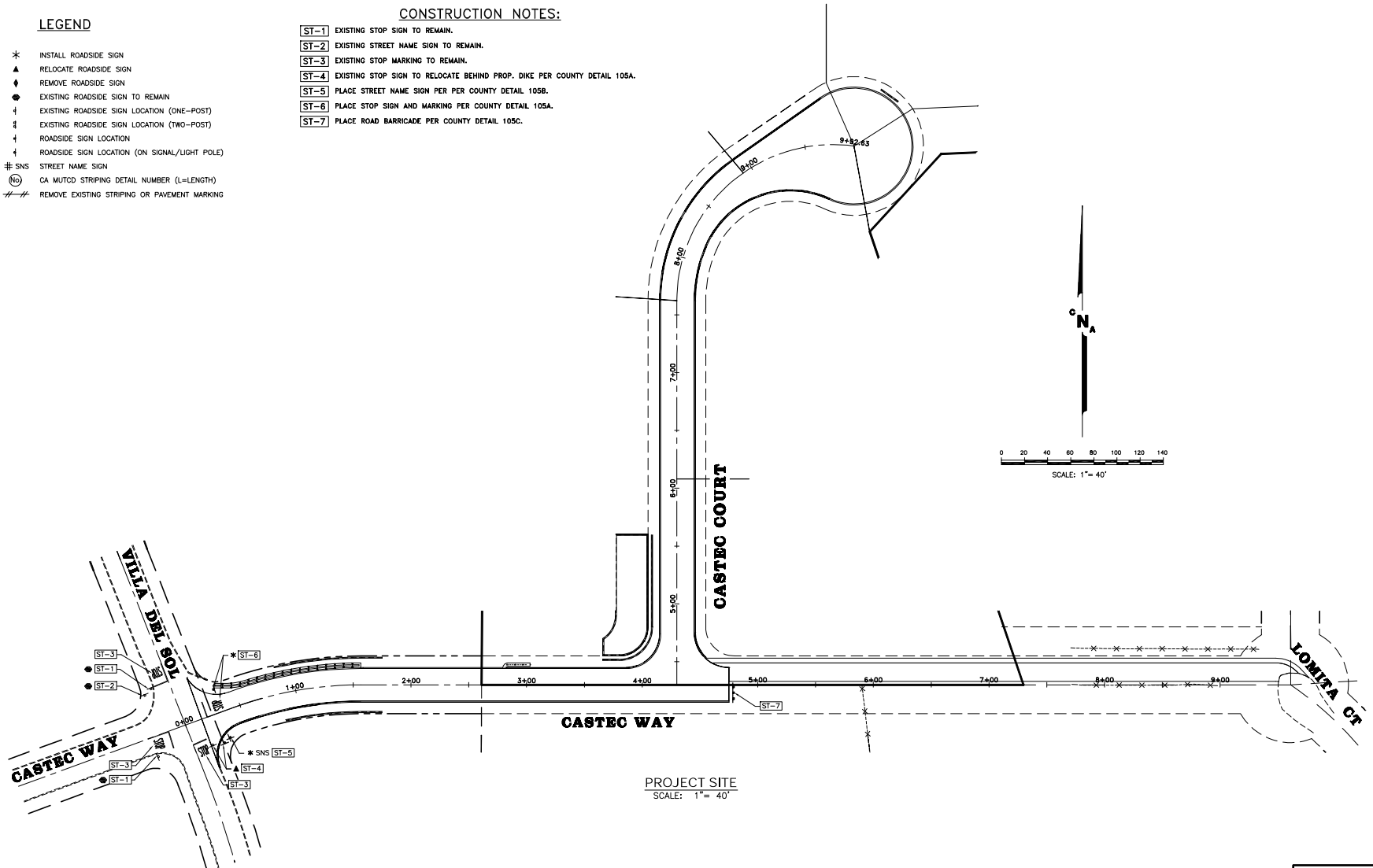
CNA ENGINEERING INC.
 CIVIL ENGINEERING
 PLANNING/STRUCTURAL DESIGN
 2575 VALLEY ROAD, SACRAMENTO, CA 95821
 PHONE: (916) 485-3746
 FAX: (916) 485-3747

LEGEND

- * INSTALL ROADSIDE SIGN
- ▲ RELOCATE ROADSIDE SIGN
- ◆ REMOVE ROADSIDE SIGN
- EXISTING ROADSIDE SIGN TO REMAIN
- † EXISTING ROADSIDE SIGN LOCATION (ONE-POST)
- ‡ EXISTING ROADSIDE SIGN LOCATION (TWO-POST)
- † ROADSIDE SIGN LOCATION
- † ROADSIDE SIGN LOCATION (ON SIGNAL/LIGHT POLE)
- # SNS STREET NAME SIGN
- (No) CA MUTCD STRIPING DETAIL NUMBER (L=LENGTH)
- /// REMOVE EXISTING STRIPING OR PAVEMENT MARKING

CONSTRUCTION NOTES:

- [ST-1] EXISTING STOP SIGN TO REMAIN.
- [ST-2] EXISTING STREET NAME SIGN TO REMAIN.
- [ST-3] EXISTING STOP MARKING TO REMAIN.
- [ST-4] EXISTING STOP SIGN TO RELOCATE BEHIND PROP. DIKE PER COUNTY DETAIL 105A.
- [ST-5] PLACE STREET NAME SIGN PER PER COUNTY DETAIL 105B.
- [ST-6] PLACE STOP SIGN AND MARKING PER COUNTY DETAIL 105A.
- [ST-7] PLACE ROAD BARRICADE PER COUNTY DETAIL 105C.



PROJECT SITE
SCALE: 1"= 40'



SIGNING AND STRIPING PLAN FOR:
SOUTHPOINTE MEADOWS
COUNTY OF CALIFORNIA

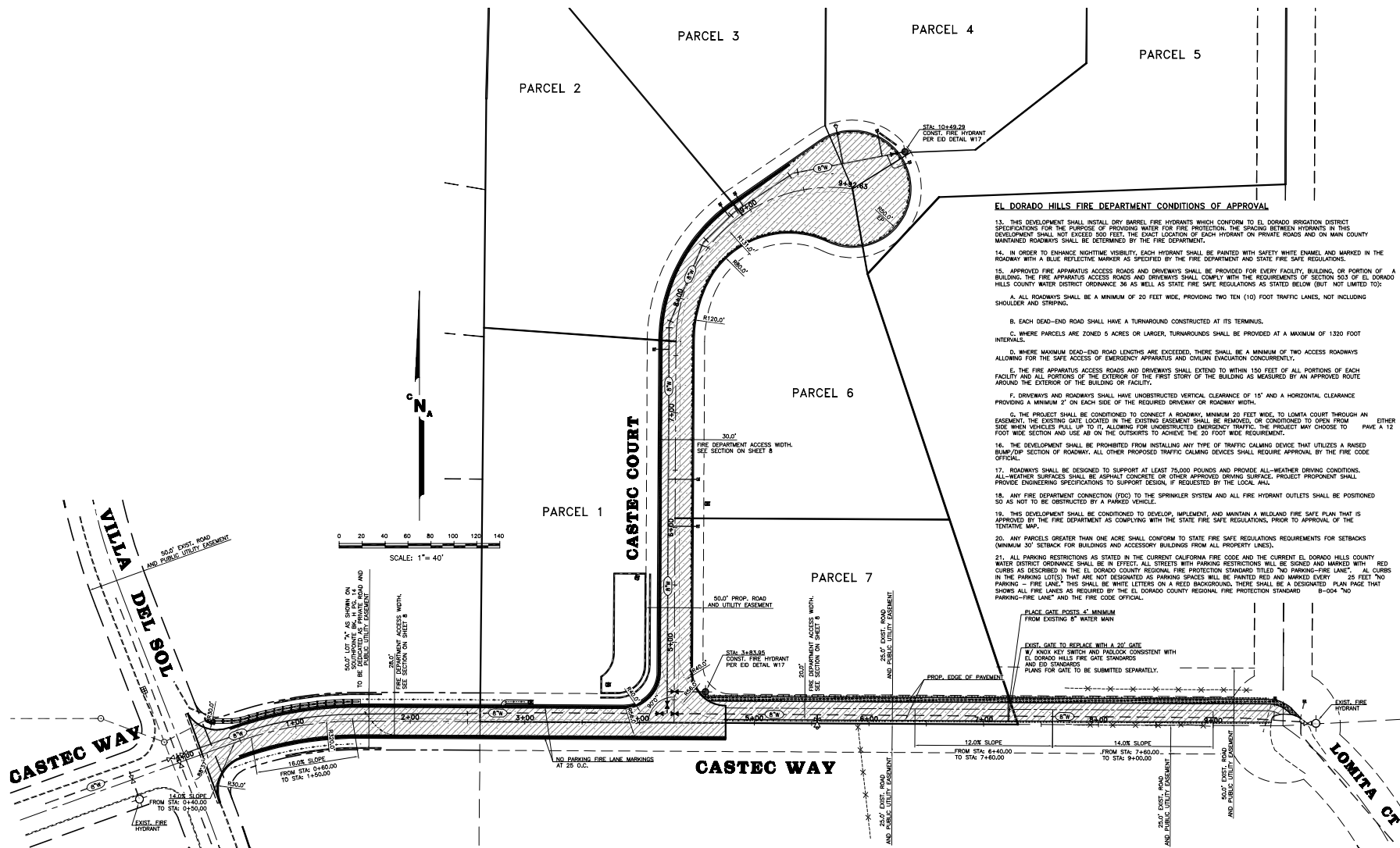
DATE: 10/26/2020
FN: 17175_5.DWG
SHEET
15 OF **16**
SHEETS

PREPARED BY: SCALE: HORIZ. 1"= 40' VERT. 1"= N/A FLD BK: N/A ASSESSOR'S PARCEL NO.: 110-450-27

DESIGNED BY: STEVE N.
CHECKED BY: STEVE O.

CNA ENGINEERING INC.
CIVIL ENGINEERING
PLANNING/STRUCTURAL DESIGN
2575 VALLEY ROAD, SACRAMENTO, CA 95821
PHONE: (916) 485-3746
WWW.CNAENGINEERING.COM

NO.	DESCRIPTION	APPROVED BY	DATE
1	REVISIONS		
2			
3			
4			



PROJECT DESCRIPTION:

THE PROJECT PROPOSES TO SPLIT THE EXISTING PARCEL INTO THE 7 RESIDENTIAL LOTS. AS A PART OF THE PROJECT, DEVELOPER PROPOSES TO INSTALL FOLLOWING IMPROVEMENTS:

- AN ACCESS ROAD;
- WATER AND SEWER SERVICES;
- FIRE ACCESS ROAD (EMERGENCY) WITH A GATE CONFORMING TO THE FIRE STANDARDS;
- 2 FIRE HYDRANTS.

PROJECT SITE

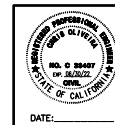
SCALE: 1"= 40'

NOTE:

FIRE LANE MARKINGS FOR PAINTED RED CURB AS REQUIRED BY EDH FIRE DEPARTMENT: "NO PARKING FIRE LANE" EVERY 25'.

EL DORADO HILLS FIRE DEPARTMENT CONDITIONS OF APPROVAL

13. THIS DEVELOPMENT SHALL INSTALL DRY BARREL FIRE HYDRANTS WHICH CONFORM TO EL DORADO IRRIGATION DISTRICT SPECIFICATIONS FOR THE PURPOSE OF PROVIDING WATER FOR FIRE PROTECTION. THE SPACING BETWEEN HYDRANTS IN THIS DEVELOPMENT SHALL NOT EXCEED 500 FEET. THE EXACT LOCATION OF EACH HYDRANT ON PRIVATE ROADS AND ON MAIN COUNTY MAINTAINED ROADWAYS SHALL BE DETERMINED BY THE FIRE DEPARTMENT.
14. IN ORDER TO ENHANCE NIGHTTIME VISIBILITY, EACH HYDRANT SHALL BE PAINTED WITH SAFETY WHITE ENAMEL AND MARKED IN THE ROADWAY WITH A BLUE REFLECTIVE MARKER AS SPECIFIED BY THE FIRE DEPARTMENT AND STATE FIRE SAFE REGULATIONS.
15. APPROVED FIRE APPARATUS ACCESS ROADS AND DRIVEWAYS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING. THE FIRE APPARATUS ACCESS ROADS AND DRIVEWAYS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 553 OF EL DORADO HILLS COUNTY WATER DISTRICT ORDINANCE 36 AS WELL AS STATE FIRE SAFE REGULATIONS AS STATED BELOW (BUT NOT LIMITED TO):
 - A. ALL ROADWAYS SHALL BE A MINIMUM OF 20 FEET WIDE, PROVIDING TWO TEN (10) FOOT TRAFFIC LANES, NOT INCLUDING SHOULDER AND STRIPING.
 - B. EACH DEAD-END ROAD SHALL HAVE A TURNAROUND CONSTRUCTED AT ITS TERMINUS.
 - C. WHERE PARCELS ARE ZONED 5 ACRES OR LARGER, TURNAROUNDS SHALL BE PROVIDED AT A MAXIMUM OF 1320 FOOT INTERVALS.
 - D. WHERE MAXIMUM DEAD-END ROAD LENGTHS ARE EXCEEDED, THERE SHALL BE A MINIMUM OF TWO ACCESS ROADWAYS ALLOWING FOR THE SAFE ACCESS OF EMERGENCY APPARATUS AND CIVILIAN EVACUATION CONCURRENTLY.
 - E. THE FIRE APPARATUS ACCESS ROADS AND DRIVEWAYS SHALL EXTEND TO WITHIN 150 FEET OF ALL PORTIONS OF EACH FACILITY AND ALL PORTIONS OF THE EXTERIOR OF THE FIRST STORY OF THE BUILDING AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.
 - F. DRIVEWAYS AND ROADWAYS SHALL HAVE UNOBSTRUCTED VERTICAL CLEARANCE OF 15' AND A HORIZONTAL CLEARANCE PROVIDING A MINIMUM 2' ON EACH SIDE OF THE REQUIRED DRIVEWAY OR ROADWAY WIDTH.
 - G. THE PROJECT SHALL BE CONSIDERED TO CONNECT A ROADWAY, MINIMUM 20 FEET WIDE, TO LOMITA COURT THROUGH AN EASEMENT. THE EXISTING GATE LOCATED IN THE EXISTING EASEMENT SHALL BE REMOVED, OR CONDITIONED TO OPEN FROM EITHER SIDE WHEN VEHICLES PULL UP TO IT, ALLOWING FOR UNOBSTRUCTED EMERGENCY TRAFFIC. THE PROJECT MAY CHOOSE TO PAVE A 12 FOOT WIDE SECTION AND USE A/B ON THE OUTSKIRTS TO ACHIEVE THE 20 FOOT WIDE REQUIREMENT.
16. THE DEVELOPMENT SHALL BE PROHIBITED FROM INSTALLING ANY TYPE OF TRAFFIC CALMING DEVICE THAT UTILIZES A RAISED BUMP/ZIP SECTION OF ROADWAY. ALL OTHER PROPOSED TRAFFIC CALMING DEVICES SHALL REQUIRE APPROVAL BY THE FIRE CODE OFFICIAL.
17. ROADWAYS SHALL BE DESIGNED TO SUPPORT AT LEAST 75,000 POUNDS AND PROVIDE ALL-WEATHER DRIVING CONDITIONS. ALL-WEATHER SURFACES SHALL BE ASPHALT CONCRETE OR OTHER APPROVED DRIVING SURFACE. PROJECT PROponent SHALL PROVIDE ENGINEERING SPECIFICATIONS TO SUPPORT DESIGN, IF REQUESTED BY THE LOCAL AHA.
18. ANY FIRE DEPARTMENT CONNECTION (FDC) TO THE SPRINKLER SYSTEM AND ALL FIRE HYDRANT OUTLETS SHALL BE POSITIONED 30 AS NOT TO BE OBSTRUCTED BY A PARKED VEHICLE.
19. THIS DEVELOPMENT SHALL BE CONDITIONED TO DEVELOP, IMPLEMENT, AND MAINTAIN A WILDLAND FIRE SAFE PLAN THAT IS APPROVED BY THE FIRE DEPARTMENT AS COMPLYING WITH THE STATE FIRE SAFE REGULATIONS, PRIOR TO APPROVAL OF THE TENTATIVE MAP.
20. ANY PARCELS GREATER THAN ONE ACRE SHALL CONFORM TO STATE FIRE SAFE REGULATIONS REQUIREMENTS FOR SETBACKS (MINIMUM 30' SETBACK FOR BUILDINGS AND ACCESSORY BUILDINGS FROM ALL PROPERTY LINES).
21. ALL PARKING RESTRICTIONS AS STATED IN THE CURRENT CALIFORNIA FIRE CODE AND THE CURRENT EL DORADO HILLS COUNTY WATER DISTRICT ORDINANCE SHALL BE IN EFFECT. ALL STREETS WITH PARKING RESTRICTIONS WILL BE SIGNED AND MARKED WITH RED CURBS AS DESCRIBED IN THE EL DORADO COUNTY REGIONAL FIRE PROTECTION STANDARD TITLED "NO PARKING-FIRE LANE". ALL CURBS IN THE PARKING LOTS) THAT ARE NOT DESIGNATED AS PARKING SPACES WILL BE PAINTED RED AND MARKED EVERY 25 FEET "NO PARKING - FIRE LANE". THIS SHALL BE WHITE LETTERS ON A RED BACKGROUND. THERE SHALL BE A DESIGNATED "PLAN PAGE" THAT SHOWS ALL FIRE LANES AS REQUIRED BY THE EL DORADO COUNTY REGIONAL FIRE PROTECTION STANDARD B-004 "NO PARKING-FIRE LANE" AND THE FIRE CODE OFFICIAL.



NO.	DESCRIPTION	APPROVED BY	DATE
1	PLANNING		
2	ENGINEERING		
3	STRUCTURAL DESIGN		
4	NOISE/VAIB		

CNA ENGINEERING INC.	PREPARED BY	SCALE	NO. 03847
Civil Engineering	DRAFTED BY: VAL T.	HORIZ. 1"= 40'	EXP. 06/30/2022
PLANNING	DESIGNED BY: STEVE N.	VERT. 1"= N/A	CIVIL
STRUCTURAL DESIGN	CHECKED BY: CHRIS G.	FLD BK: N/A	
	ASSESSOR'S PARCEL NO.: 110-450-07		

FIRE DEPARTMENT SPECS		DATE: 10/26/2020
PLAN FOR:		FN: 17175_5.DWG
SOUTHPOINTE MEADOWS		SHEET
COUNTY OF EL DORADO		16 OF 16
		SHEETS