

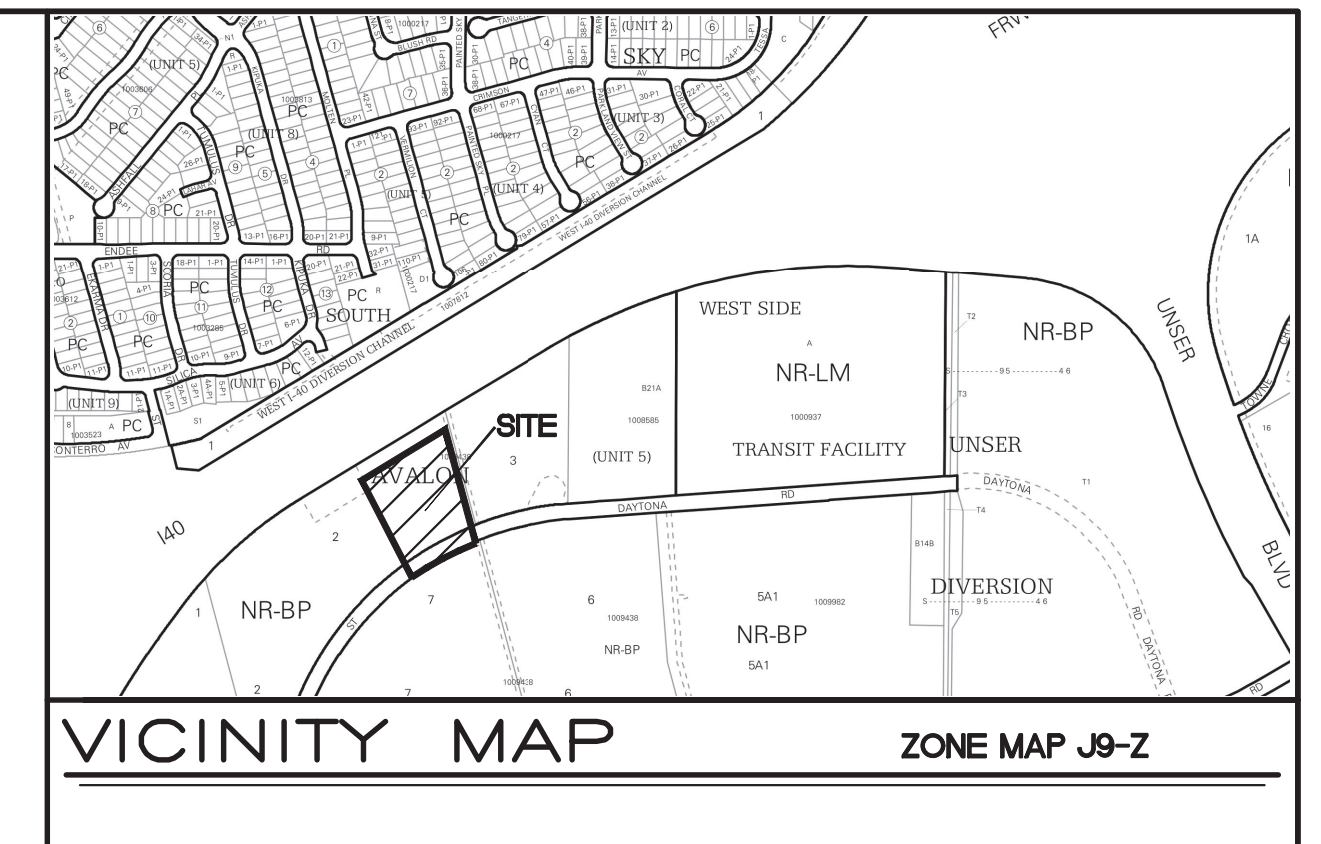
CONSTRUCTION PLANS FOR SOUTHERN TIRE MART DAYTONA ROADWAY IMPROVEMENTS

BERNALILLO COUNTY, NEW MEXICO
June, 2021





INDEX TO DRAWINGS

1. TITLE SHEET
2. GENERAL NOTES
3. PLAT
4. APPROVED GRADING AND DRAINAGE PLAN
5. DAYTONA RD IMPROVEMENTS
6. DAYTONA RD UTILITY IMPROVEMENTS
7. DAYTONA RD STORM DRAIN IMPROVEMENTS
8. CONSTRUCTION DETAILS
9. EROSION CONTROL PLAN
10. EROSION CONTROL DETAILS

UTILITY AVAILABILITY NO. 210219DRB NO. 004747

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

REV	SHEETS	COUNTY	ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
ENGINEERS STAMP & SIGNATURE			APPROVALS	ENGINEER		DATE	*****			
<div>  06/17/2021</div> <div>RONALD R. BOHANNAN P.E. #7868</div>			DRC Chairman				APPROVED FOR CONSTRUCTION			
			Transportation	<i>Man-PE</i>	6/17/2021					
			ABCWUA	<i>Ronald Bohannan</i>	7/21/21					
			Hydrology	<i>Ronald C. Bohannan</i>	07/07/21					
			Traffic Engineer							
			Constr. Mngmt.							
			Berna. Cont. Public Works							
			CITY PROJECT NO.		SHEET					
			655788		1 OF 10					

1. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".

3. CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

5. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR PROJECT MANAGER) 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTS OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF ANY MONUMENT, THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR. IF THE MONUMENT IS LOCATED ON THE CONTRACTOR'S PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.

7. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.

TRANSPORTATION

2. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.

5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.

7. AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.

1. ALL STORM DRAINS SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.

WATER & SEWER

3. 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

6. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.


8. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION. THE CONTRACTOR SHALL INSTALL A 4" X 4" X 5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.

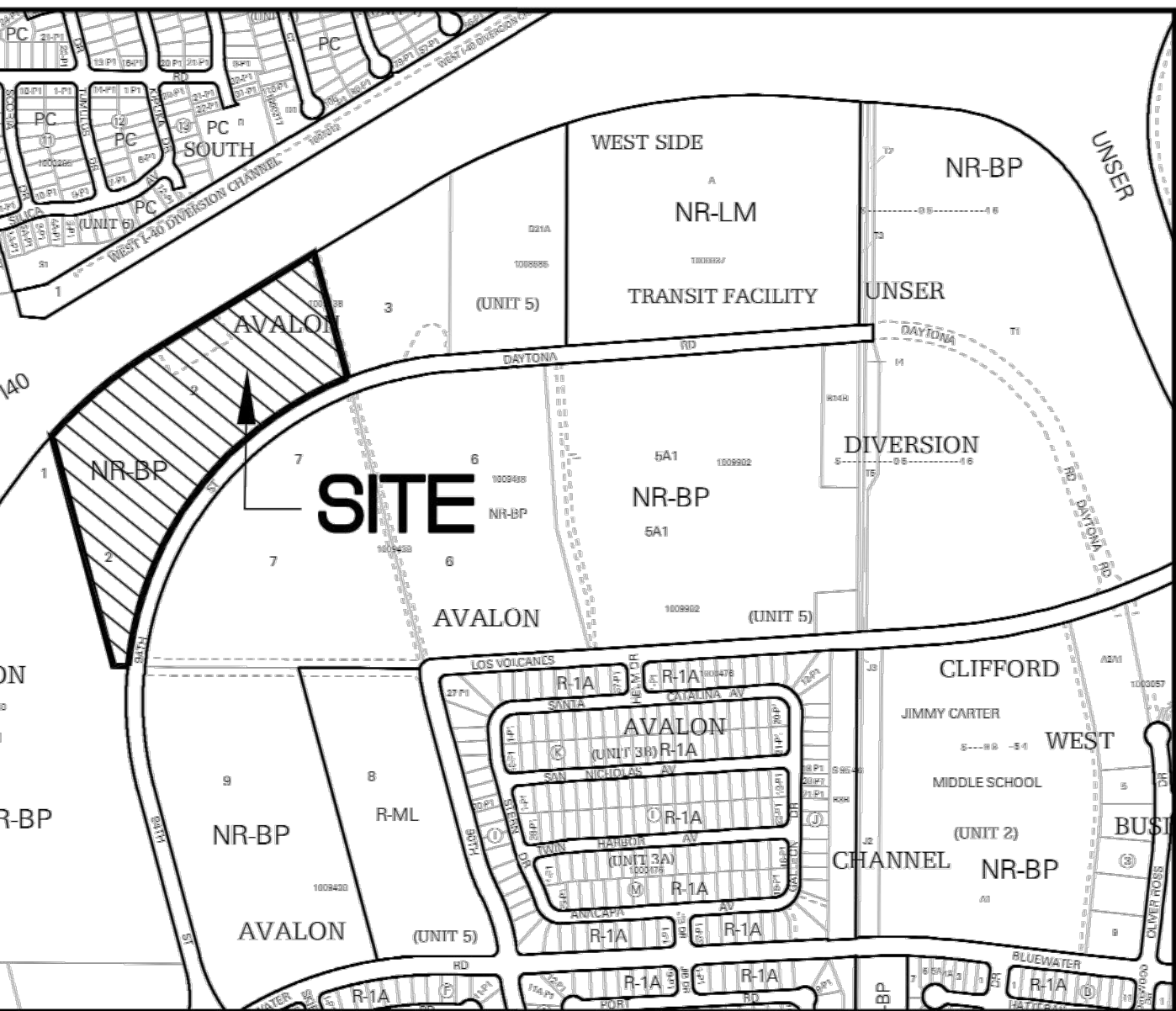
10. CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE WUA INSPECTORS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.

ALL DESIGNS AND CONSTRUCTION OF ANY UNDERGROUND UTILITIES SHALL COMPLY WITH ADMINISTRATIVE INSTRUCTION NO. 9 FOR WORK NEARBY OR AFFECTING SAN JUAN CHAMA TRANSMISSION LINES AND APPURTENANCES. INFORMATION SHALL BE PROVIDED TO THE WATER AUTHORITY ONE (1) MONTH IN ADVANCE OF THE CONSTRUCTION START DATE. INFORMATION CAN BE FOUND AT [HTTP://WWW.ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX](http://www.abcwua.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX)

10. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE ARRANGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR COSTS ASSOCIATED WITH OBTAINING A DISPOSAL SITE AND HAUL THERETO.

11. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT (505) 272-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-6320.

 TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com											
				NO.		DATE		DESIGNED BY		DRAWN BY	
								DRAWN NAME		CHECKED BY	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
TITLE: DAYTONA ROADWAY IMPROVEMENTS GENERAL NOTES											
DESIGN REVIEW COMMITTEE				CITY ENGINEER APPROVAL				LAST DESIGN UPDATE		MO./DAY/YR.	
										MO./DAY/YR.	
CITY PROJECT NO.				ZONE MAP NO.				SHEET		OF	
655788				J-9-Z				2		10	



Vicinity Map - Zone Atlas J-9-Z and K-9-Z

Subdivision Data

GROSS ACREAGE, 13.8085 ACRES
ZONE ATLAS PAGE NO., J-9 and K-9
NUMBER OF EXISTING TRACTS, 1
NUMBER OF TRACTS CREATED, 2
MILES OF FULL-WIDTH STREETS, 0
MILES OF HALF-WIDTH STREETS, 0
RIGHT-OF-WAY DEDICATION TO THE CITY OF ALBUQUERQUE, 0.000 ACRES
DATE OF SURVEY, NOVEMBER 2020

Notes

- 1. FIELD SURVEY PERFORMED IN NOVEMBER 2020.
- 2. ALL DISTANCES ARE GROUND DISTANCES: US SURVEY FOOT.
- 3. THE BASIS OF BEARINGS REFERENCES NEW MEXICO STATE PLANE COORDINATES (NAD 83-CENTRAL ZONE).
- 4. THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN HEREON.
- 5. UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN AS (O) SHALL BE MARKED BY A 1/2" REBAR STAMPED "CARTESIAN LS #14271".
- 6. THE EASEMENTS SHOWN HEREON ARE ONLY THE EASEMENTS AS SHOWN ON THE PLAT OF RECORD AND REFERENCED IN A TITLE COMMITMENT DATED OCTOBER 29, 2020.
- 7. EXISTING ZONING: "NR-BP" BUSINESS PARK ZONE DISTRICT
PROPOSED ZONING: "NR-BP" BUSINESS PARK ZONE DISTRICT
- 8. TOTAL ACREAGE: 13.8085 ACRES
- 9. SETBACKS REQUIRED
FRONT: 20 FT. MINIMUM
SIDE: 10 FT. MINIMUM
REAR: 10 FT. MINIMUM

Documents

- 1. TITLE COMMITMENT PROVIDED BY OLD REPUBLIC NATIONAL TITLE, HAVING FILE NO. 2009604 AND AN EFFECTIVE DATE OF OCTOBER 29, 2020.
- 2. PLAT OF RECORD FOR AVALON SUBDIVISION UNIT 5 FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON MAY 22, 2014, IN BOOK 2014C, PAGE 46.
- 3. DEED FOR SUBJECT PROPERTY TO 98TH AND I-40 LAND, LLC, FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON DECEMBER 14, 2016, AS DOCUMENT 2016116751.

Flood Notes

BASED UPON SCALING, THIS PROPERTY LIES WITHIN FLOOD ZONE X WHICH IS DEFINED AS AN AREA OF MINIMAL FLOOD HAZARD AS DETERMINED BY F.E.M.A. AND SHOWN ON THE FLOOD INSURANCE RATE MAP NO. 35001C0328J DATED NOVEMBER 04, 2016, REVISED TO REFLECT LOMR 17-06-0267P, EFFECTIVE NOVEMBER 28, 2016.

Drainage Facilities Note

AREAS DESIGNATED ON THE ACCOMPANYING PLAT AS "DRAINAGE EASEMENTS" ["DETENTION AREAS"] ARE HEREBY DEDICATED BY THE OWNER AS A PERPETUAL EASEMENT FOR THE COMMON USE AND BENEFIT OF THE VARIOUS LOTS WITHIN THE SUBDIVISIONS FOR THE PURPOSE OF PERMITTING THE CONVEYANCE OF STORM WATER RUNOFF AND THE CONSTRUCTING* AND MAINTAINING OF DRAINAGE GRANTOR SHALL CONSTRUCT DRAINAGE [DETENTION] FACILITIES IN THE EASEMENT IN ACCORDANCE WITH STANDARDS PRESCRIBED BY THE CITY AND PLANS AND SPECIFICATIONS APPROVED BY THE CITY ENGINEER IN ACCORDANCE WITH THE DRAINAGE REPORT ENTITLED SOUTHERN TIRE MART, ALBUQUERQUE, NM, SUBMITTED BY TIERRA WEST, LLC, ON _____, AND APPROVED BY THE ALBUQUERQUE CITY ENGINEER ON _____. NO FENCE, WALL, PLANTING, BUILDING OR OTHER OBSTRUCTION MAY BE PLACED OR MAINTAINED IN EASEMENT AREA WITHOUT APPROVAL OF THE CITY ENGINEER OF THE CITY OF ALBUQUERQUE. THERE ALSO SHALL BE NO ALTERATION OF THE GRADES OR CONTOURS IN SAID EASEMENT AREA WITHOUT THE APPROVAL OF THE CITY ENGINEER. IT SHALL BE THE DUTY OF THE LOT OWNERS OF THIS SUBDIVISION TO MAINTAIN SAID DRAINAGE EASEMENT [DETENTION AREA] AND FACILITIES AT THEIR COST IN ACCORDANCE WITH STANDARDS PRESCRIBED BY THE CITY OF ALBUQUERQUE. THE CITY SHALL HAVE THE RIGHT TO ENTER PERIODICALLY TO INSPECT THE FACILITIES. IN THE EVENT SAID LOT OWNERS FAIL TO ADEQUATELY AND PROPERLY MAINTAIN DRAINAGE EASEMENT [DETENTION AREA] AND FACILITIES, AT ANY TIME FOLLOWING FIFTEEN (15) DAYS WRITTEN NOTICE TO SAID LOT OWNERS, THE CITY MAY ENTER UPON SAID AREA, PERFORM SAID MAINTENANCE, AND THE COST OF PERFORMING SAID MAINTENANCE SHALL BE PAID BY APPLICABLE LOT OWNERS PROPORTIONATELY ON THE BASIS OF LOT OWNERSHIP. IN THE EVENT LOT OWNERS FAIL TO PAY THE COST OF MAINTENANCE WITHIN THIRTY (30) DAYS AFTER DEMAND FOR PAYMENT MADE BY THE CITY, THE CITY MAY FILE A LIEN AGAINST ALL LOTS IN THE SUBDIVISION FOR WHICH PROPORTIONATE PAYMENT HAS NOT BEEN MADE. THE OBLIGATIONS IMPOSED HEREIN SHALL BE BINDING UPON THE OWNER, HIS HEIRS, AND ASSIGNS AND SHALL RUN WITH ALL LOTS WITHIN THIS SUBDIVISION. THE GRANTOR AGREES TO DEFEND, INDEMNIFY, AND HOLD HARMLESS, THE CITY, ITS OFFICIALS, AGENTS AND EMPLOYEES FROM ANY AND ALL CLAIMS, ACTIONS, SUITS, OR PROCEEDINGS OF ANY KIND BROUGHT AGAINST SAID PARTIES FOR OR ON ACCOUNT OF ANY MATTER ARISING FROM THE DRAINAGE FACILITY PROVIDED FOR HEREIN OR THE GRANTOR'S FAILURE TO CONSTRUCT, MAINTAIN, OR MODIFY SAID DRAINAGE FACILITY.

Indexing Information

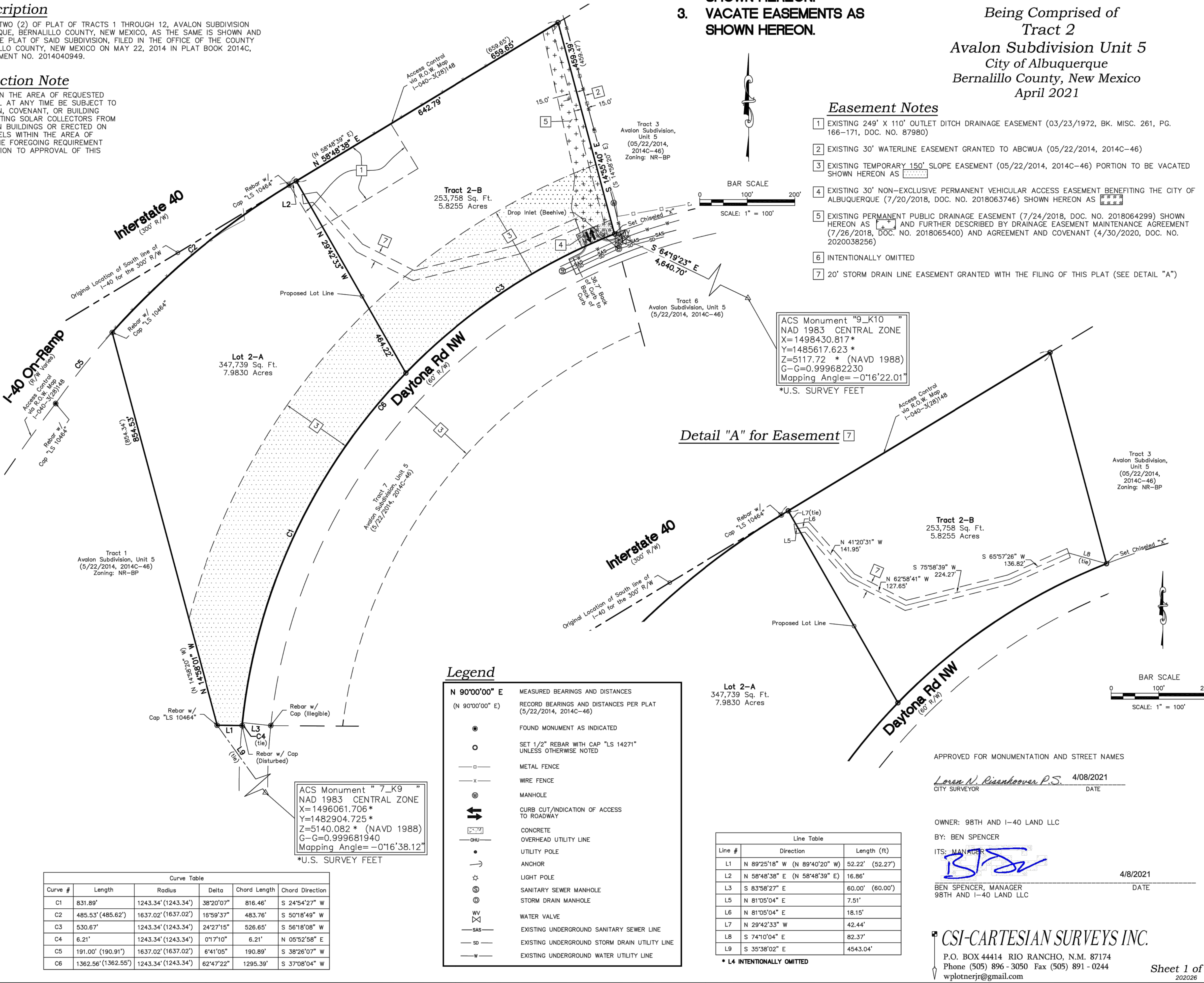
Projected Sections 16 and 21, Township 10 North,
Range 2 East, N.M.P.M. Town of Atrisco Grant
Subdivision: Avalon Subdivision, Unit 5
Owner: 98th and I-40 Land LLC
UPC #:100905806702530101

Legal Description

TRACT NUMBERED TWO (2) OF PLAT OF TRACTS 1 THROUGH 12, AVALON SUBDIVISION UNIT 5, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF SAID SUBDIVISION, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MAY 22, 2014 IN PLAT BOOK 2014C, PAGE 46 AS DOCUMENT NO. 2014040949.

Solar Collection Note

NO PROPERTY WITHIN THE AREA OF REQUESTED FINAL ACTION SHALL AT ANY TIME BE SUBJECT TO A DEED RESTRICTION, COVENANT, OR BUILDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDINGS OR ERRECTED ON THE LOTS OR PARCELS WITHIN THE AREA OF PROPOSED PLAT, THE FOREGOING REQUIREMENT SHALL BE A CONDITION TO APPROVAL OF THIS PLAT.



Purpose of Plat

- 1. SUBDIVIDE EXISTING TRACT INTO TWO NEW TRACTS.
- 2. GRANT EASEMENTS AS SHOWN HEREON.
- 3. VACATE EASEMENTS AS SHOWN HEREON.

Preliminary Plat
for
Tracts 2-A and 2-B
Avalon Subdivision Unit 5
Being Comprised of
Tract 2
Avalon Subdivision Unit 5
City of Albuquerque
Bernalillo County, New Mexico
April 2021

Easement Notes

- 1 EXISTING 249' X 110' OUTLET DITCH DRAINAGE EASEMENT (03/23/1972, BK. MISC. 261, PG. 166-171, DOC. NO. 87980)
- 2 EXISTING 30' WATERLINE EASEMENT GRANTED TO ABCWUA (05/22/2014, 2014C-46)
- 3 EXISTING TEMPORARY 150' SLOPE EASEMENT (05/22/2014, 2014C-46) PORTION TO BE VACATED SHOWN HEREON AS [Symbol]
- 4 EXISTING 30' NON-EXCLUSIVE PERMANENT VEHICULAR ACCESS EASEMENT BENEFITING THE CITY OF ALBUQUERQUE (7/20/2018, DOC. NO. 2018063746) SHOWN HEREON AS [Symbol]
- 5 EXISTING PERMANENT PUBLIC DRAINAGE EASEMENT (7/24/2018, DOC. NO. 2018064299) SHOWN HEREON AS [Symbol] AND FURTHER DESCRIBED BY DRAINAGE EASEMENT MAINTENANCE AGREEMENT (7/26/2018, DOC. NO. 2018065400) AND AGREEMENT AND COVENANT (4/30/2020, DOC. NO. 2020038256)
- 6 INTENTIONALLY OMITTED
- 7 20' STORM DRAIN LINE EASEMENT GRANTED WITH THE FILING OF THIS PLAT (SEE DETAIL "A")

Detail "A" for Easement 7

APPROVED FOR MONUMENTATION AND STREET NAMES

Loran N. Risenhoover P.S. 4/08/2021
CITY SURVEYOR DATE

OWNER: 98TH AND I-40 LAND LLC

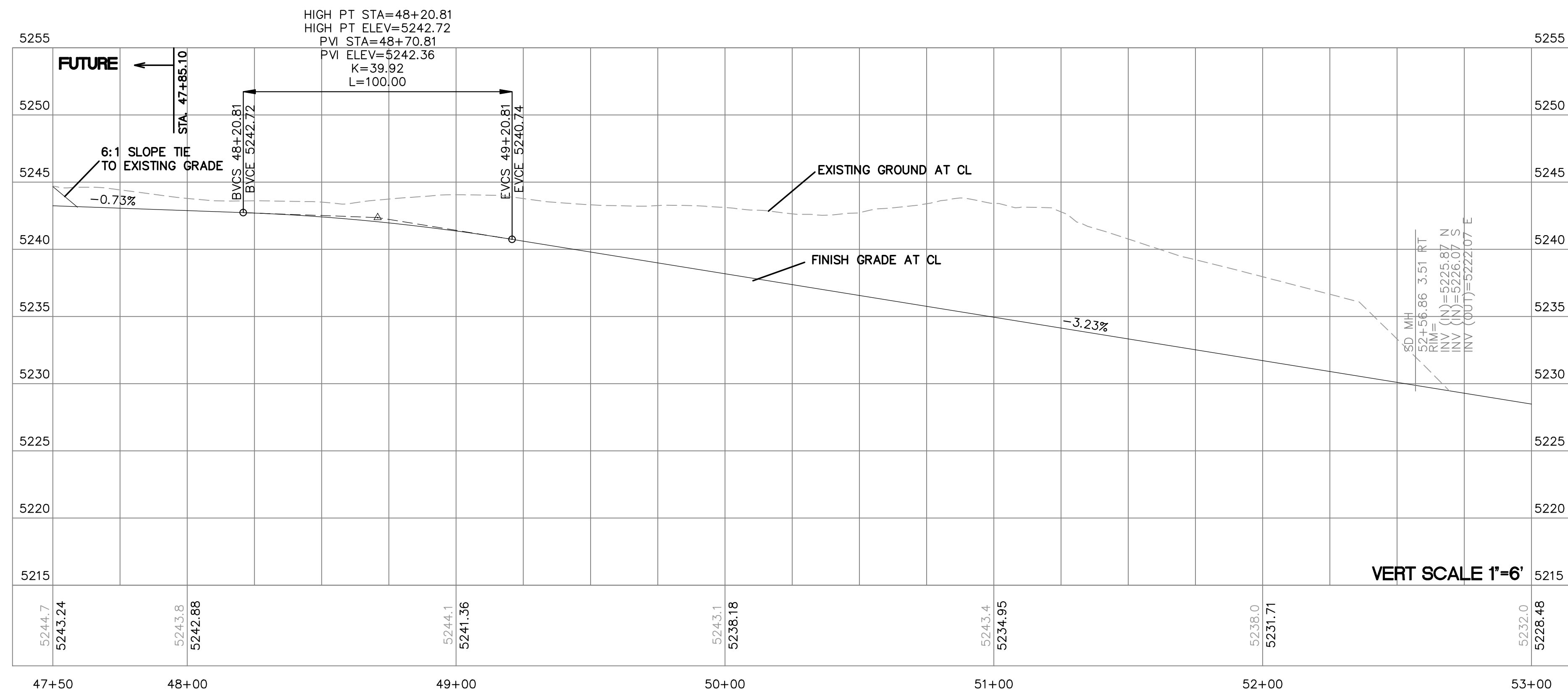
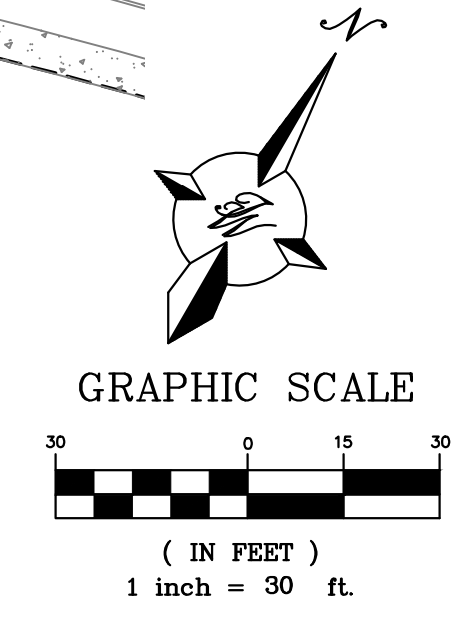
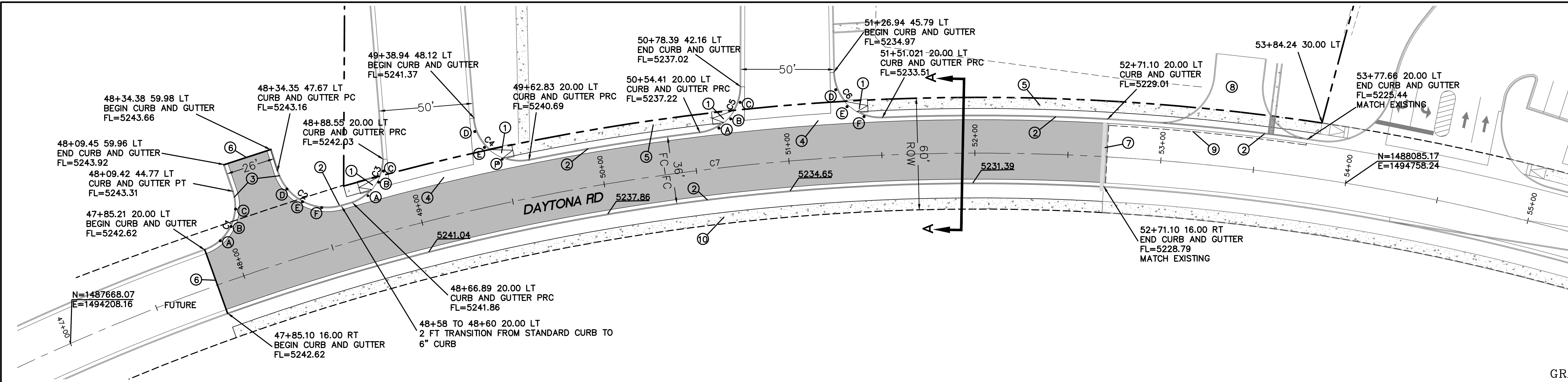
BY: BEN SPENCER

ITS: MANAGER

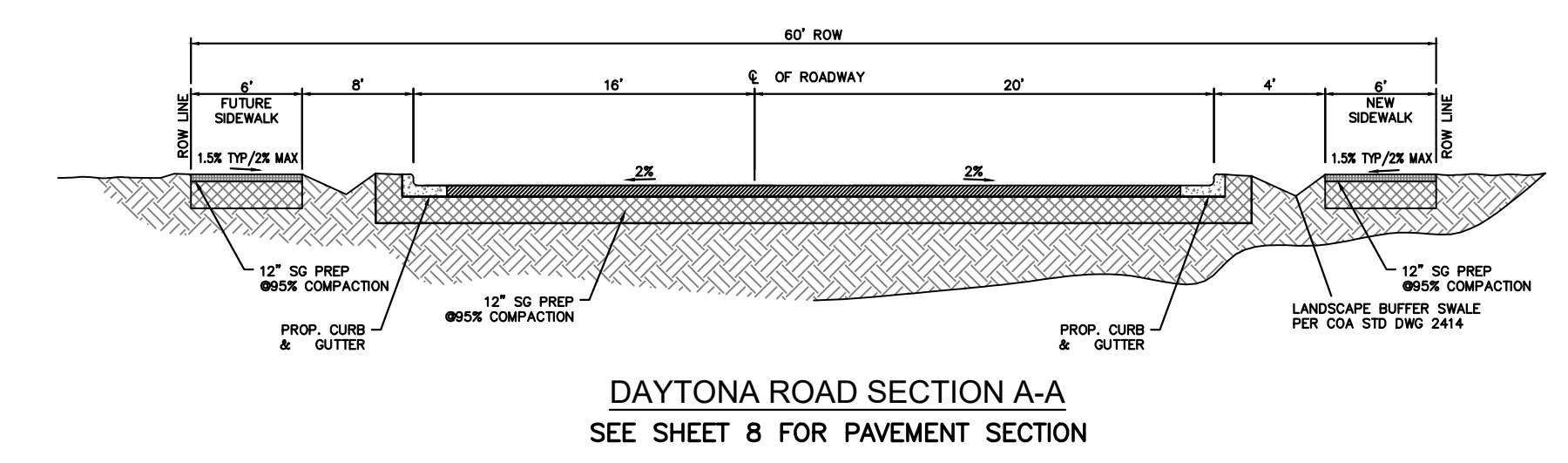
BEN SPENCER, MANAGER 4/8/2021
98TH AND I-40 LAND LLC DATE

CSI-CARTESIAN SURVEYS INC.

P.O. BOX 44414 RIO RANCHO, N.M. 87174
Phone (505) 896-3050 Fax (505) 891-0244
wplotnerjr@gmail.com



- KEYED NOTES**
- ① UNIDIRECTIONAL ACCESSIBLE RAMP SEE DETAIL SHEET 7
 - ② NEW STD CURB AND GUTTER PER COA STD DG 2415-A
 - ③ 6" CURB AND GUTTER PER COA STD DWG 2415-A
 - ④ 6" VALLEY GUTTER PER COA STD DWG 2420
 - ⑤ NEW 6' CONCRETE SIDEWALK PER COA STD DWG 2430
 - ⑥ CUTOFF WALL PER COA STD DWG 2415-B
 - ⑦ REMOVE AND DISPOSE EXISTING CUTOFF WALL
 - ⑧ REMOVE AND DISPOSE EXISTING ASPHALT, HEADER CURB CUTOFF WALL
 - ⑨ SAWCUT 1' FROM EXISTING GUTTER
 - ⑩ FUTURE 6' SIDEWALK



LEGEND

---	PROPERTY LINE
----	ROW LINE
=====	EXISTING CURB & GUTTER
-----	EXISTING ASPHALT CURB
U	EXISTING SAS MANHOLE
--- 8" SAS ---	EXISTING SANITARY SEWER LINE
--- EX. WL ---	EXISTING WATER LINE
-----	SAWCUT
=====	NEW PAVEMENT
=====	NEW CURB & GUTTER

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	88°55'10"	25.00	38.80
C2	85°28'47"	28.00	41.77
C3	69°58'02"	25.00	30.53
C4	101°55'03"	25.00	44.47
C5	82°55'11"	25.00	36.18
C6	91°14'54"	25.00	39.81
C7	29°02'37"	1213.31	615.04
C8	4°34'22"	1233.34	98.43
C9	10°37'55"	1233.34	228.86
C10	22°54'25"	1197.34	478.70

QUARTER POINTS

C1	FL	ELEV.	C2	FL	ELEV.
	A	5242.79		D	5242.84
	B	5242.96		E	5242.51
	C	5243.14		F	5242.18
C3	FL	ELEV.	C4	FL	ELEV.
	A	5241.90		D	5241.20
	B	5241.94		E	5241.03
	C	5241.98		F	5240.86
C5	FL	ELEV.	C6	FL	ELEV.
	A	5237.20		D	5234.60
	B	5237.18		E	5234.24
	C	5237.16		F	5233.87

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS	
CONTRACTOR	WORK	A.G.R.S. MONUMENT "REWARD"	DATE	DATE	BY	NO.	DATE	NO.	DATE
INSPECTOR'S	DATE	STANDARD A.G.R.S. BRASS TABLET	DATE	DATE	BY	NO.	DATE	NO.	DATE
ACCEPTANCE BY	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE	DATE	BY	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	(CENTRAL ZONE-N.A.D. 1983)	DATE	DATE	BY	NO.	DATE	NO.	DATE
DRAWINGS	DATE	N=1,487,364.063	DATE	DATE	BY	NO.	DATE	NO.	DATE
COMPILED BY	DATE	E=1,491,190.919	DATE	DATE	BY	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION	DATE	PUBLISHED EL=5319.688 (NAVD 1988)	DATE	DATE	BY	NO.	DATE	NO.	DATE
RECORDED BY	DATE	GROUND TO GRID FACTOR=0.999675005	DATE	DATE	BY	NO.	DATE	NO.	DATE
NO.	DATE	DELTA ALPHA ANGLE=-0°17'12.26"	DATE	DATE	BY	NO.	DATE	NO.	DATE



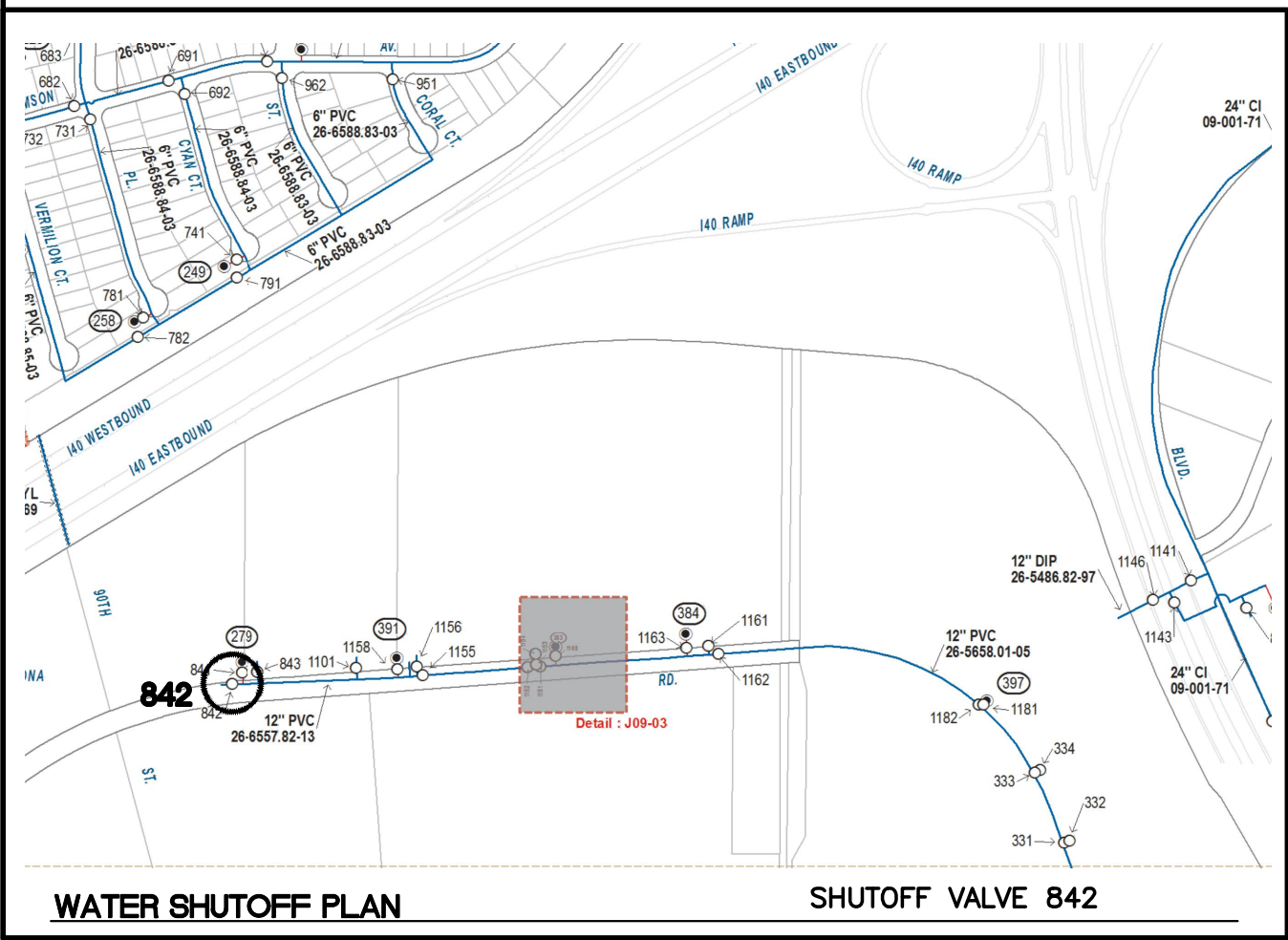
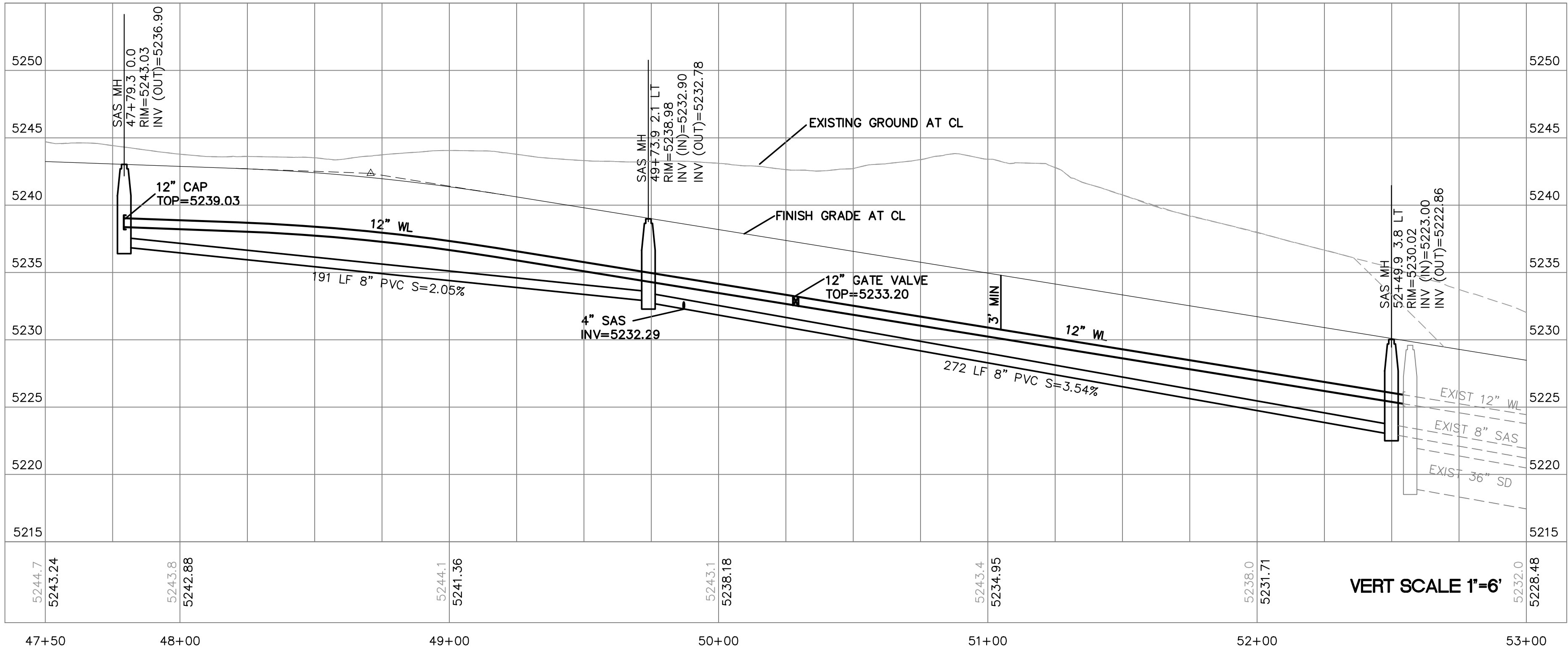
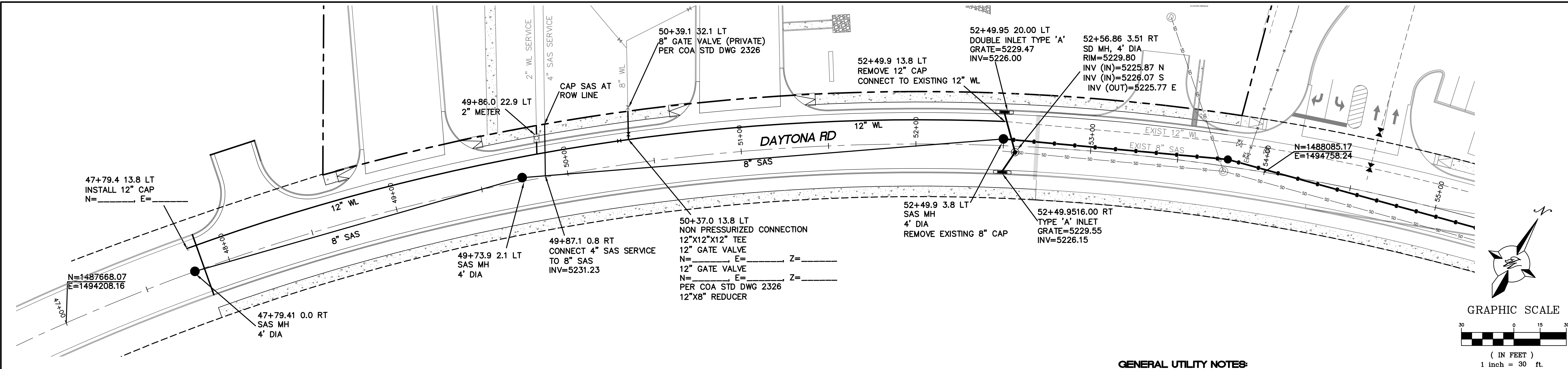
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **DAYTONA ROADWAY IMPROVEMENTS**
DAYTONA RD IMPROVEMENTS

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

CITY PROJECT NO. 655788 ZONE MAP NO. J-9-Z SHEET 5 OF 10



LEGEND

- PROPERTY LINE
- ROW LINE
- EXISTING CURB & GUTTER
- EXISTING ASPHALT CURB
- EXISTING SAS MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- SAWCUT
- NEW PAVEMENT
- NEW CURB & GUTTER

- NOTES:
- ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 - ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
 - ALL WATERLINES ARE C900 PVC (DR18) UNLESS OTHERWISE NOTED.
 - ALL SANITARY SEWER LINES ARE TO BE SDR35 UNLESS OTHERWISE NOTED.

GENERAL UTILITY NOTES:

- 3' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
- IRRIGATION AND DOMESTIC WATERLINE MUST HAVE BACKFLOW PREVENTORS PER UPC. IF BACKFLOW PREVENTOR IS INSTALLED EXTERIOR OF BUILDING A HOT BOX SHALL BE INSTALLED AND USED.(PRIVATE, NOT PART OF WORK ORDER)
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

NOTES



- WL SERVICE AND METERS PER COA STD DWG 2301, 2361, 2363 AND 2367
- FIRE HYDRANT AND VALVES PER COA STD DWG 2326, 2328 AND 2340
- SAS CONNECTION PER COA STD DWG 2125
- FIRELINE TIES PER COA STD DWG 2301, 2326, 2329 AND 2394
- TRENCH SECTION PER COA STD DWG 2315
- BACKFLOW PREVENTOR ON ALL DOMESTIC WATER LINES(FOR INFORMATION ONLY)
- MANHOLE PER COA STD DWG 2102
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STANDARD DRAWINGS 2460 AND 2461.
- MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
- REFERENCE WATER & SANITARY SEWER AVAILABILITY STATEMENT #180314 DATED MAY 16, 2018
- PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (6' - 12') OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6' - 48').
- ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. THE JOINT RESTRAINT REQUIREMENTS SHOULD BE DELINEATED WITHIN A JOINT RESTRAINT TABLE.
- ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.
- ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.
- ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
- CONTRACTOR SHALL INSTALL A 4" X 4" X 5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR SHALL PROVIDE THE PROPOSED HYDRO TESTING PLANS TO THE WUA INSPECTIONS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS.
- AT UTILITY CROSSINGS, WHERE LESS THAN 18" OF VERTICAL SEPARATION FROM STORM DRAIN PIPING OR STRUCTURES IS PROPOSED, LEAN FILL CONSTRUCTED (PER SECTION 207 OF THE STANDARD SPECIFICATIONS) SHALL BE USED TO PROTECT THE WATER OR SEWER LINE. LEAN FILL SHALL EXTEND A PERPENDICULAR DISTANCE OF 5 FEET ON EACH SIDE OF THE STORM PIPE OR STRUCTURE.
- SEE SHEET 8 OF 10 FOR RESTRAINT TABLES.

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS. PRIOR TO STARTING THE WORK, ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES		A.G.R.S. MONUMENT "REWARD"	CONTRACTOR	
			NO.	BY	DATE	STANDARD A.G.R.S. BRASS TABLET	INSPECTOR'S	
						NEW MEXICO STATE PLANE COORDINATES	DATE	
						(CENTRAL ZONE-N.A.D. 1983)	DATE	
						N=1,487,364.063	DATE	
						E=1,491,190.819	DATE	
						PUBLISHED EL=5319.688 (NAD 1988)	DATE	
						GROUND TO GRID FACTOR=0.998675005	DATE	
						DELTA ALPHA ANGLE=-07712.28"	DATE	
							DATE	

6-17-21



DESIGNED BY: VC

DATE: June, 2021

DRAWN BY: pm

DATE: June, 2021

JOB NO.: 2020058

CHECKED BY: RRB

DATE: June, 2021

REVISIONS

DESIGN

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/](http://ABCWUA.ORG/CONTENT/VIEW/463/729/).

TIERRA WEST, LLC

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ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
DAYTONA ROADWAY IMPROVEMENTS
DAYTONA RD UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

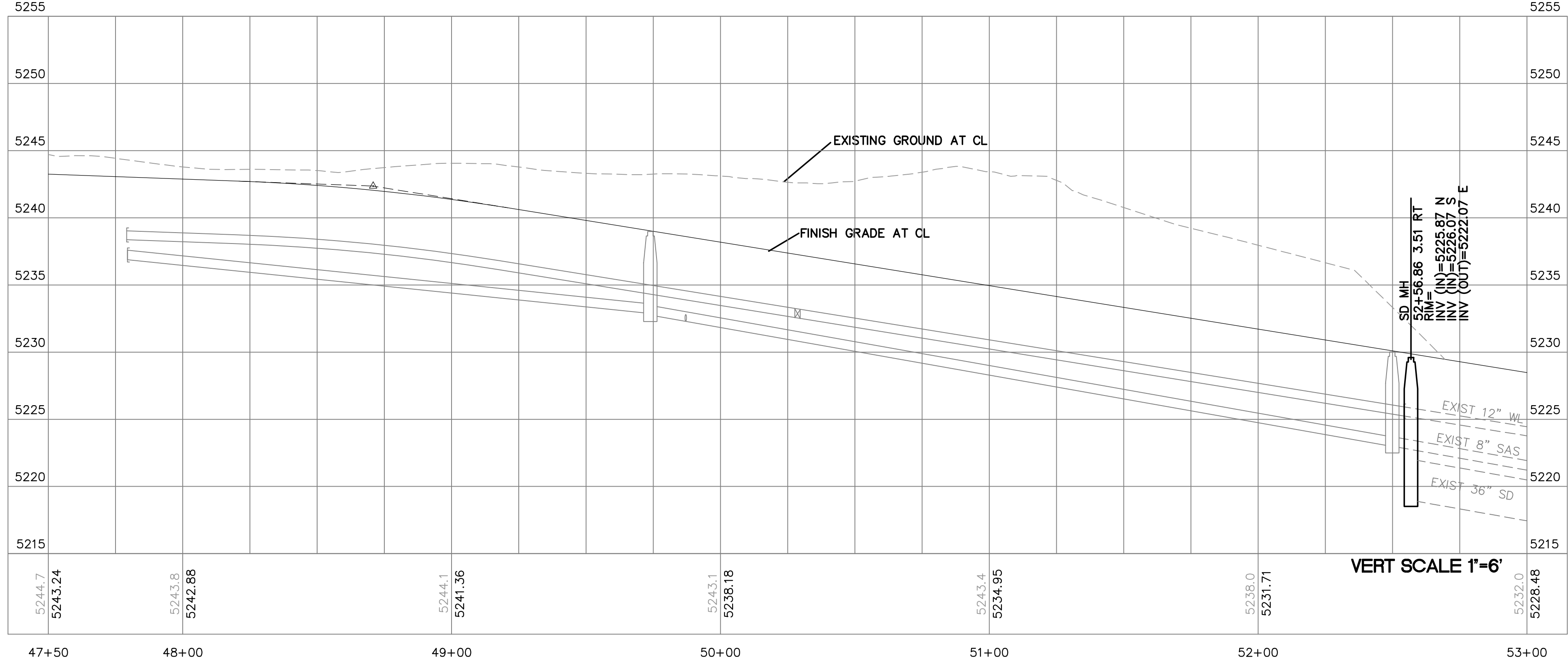
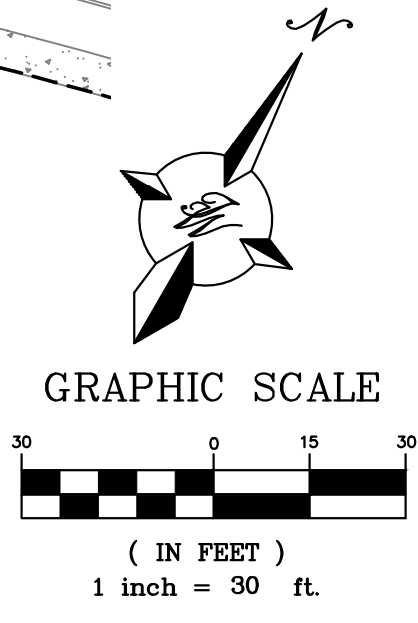
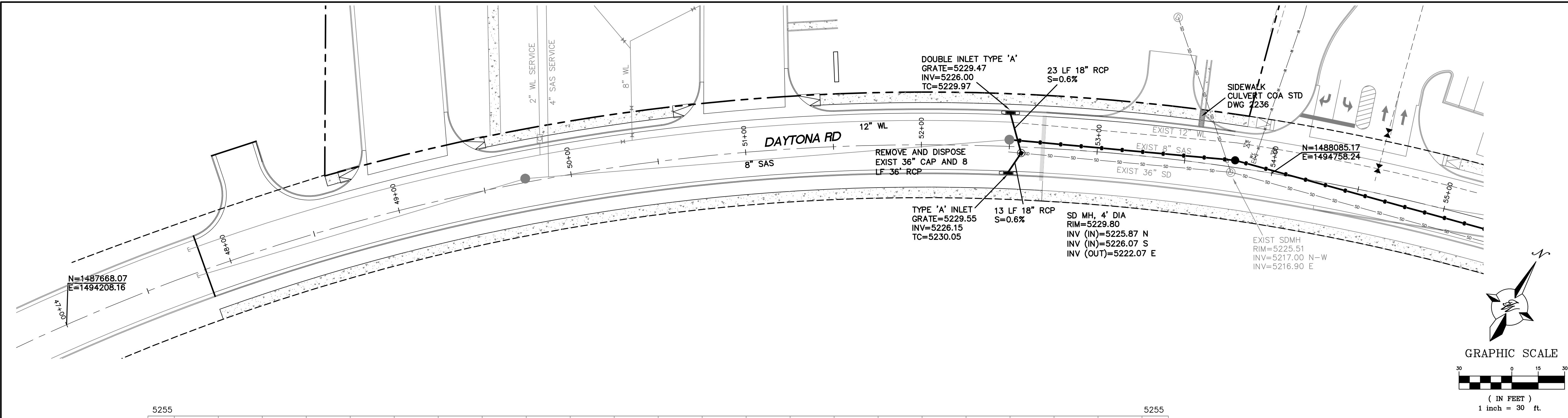
LAST DESIGN UPDATE

CITY PROJECT NO.
655788

ZONE MAP NO.
J-9-Z

SHEET
6

OF
10



- NOTES:
1. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
 2. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
 3. ALL STORM DRAIN TO BE CLASS III RCP UNLESS OTHERWISE NOTED

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
DAYTONA ROADWAY IMPROVEMENTS
DAYTONA RD STORM DRAIN IMPROVEMENTS

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

CITY PROJECT NO.
655788

ZONE MAP NO.
J-9-Z

SHEET
7

OF
10

NO. DATE

REMARKS

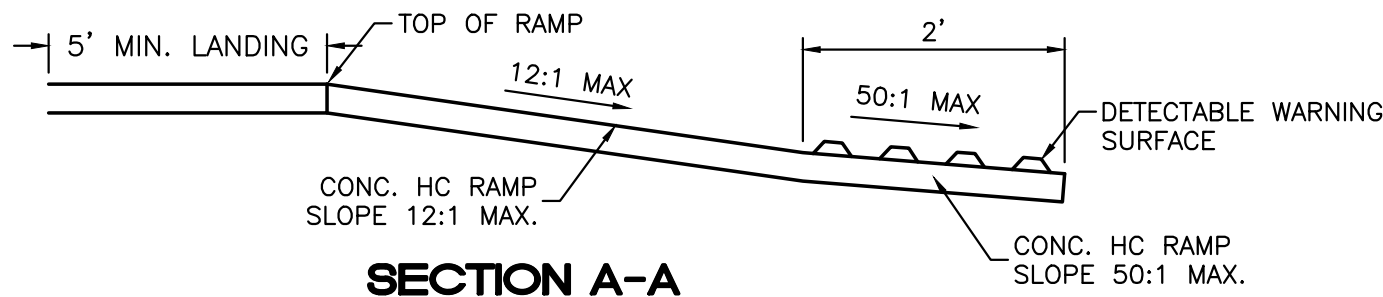
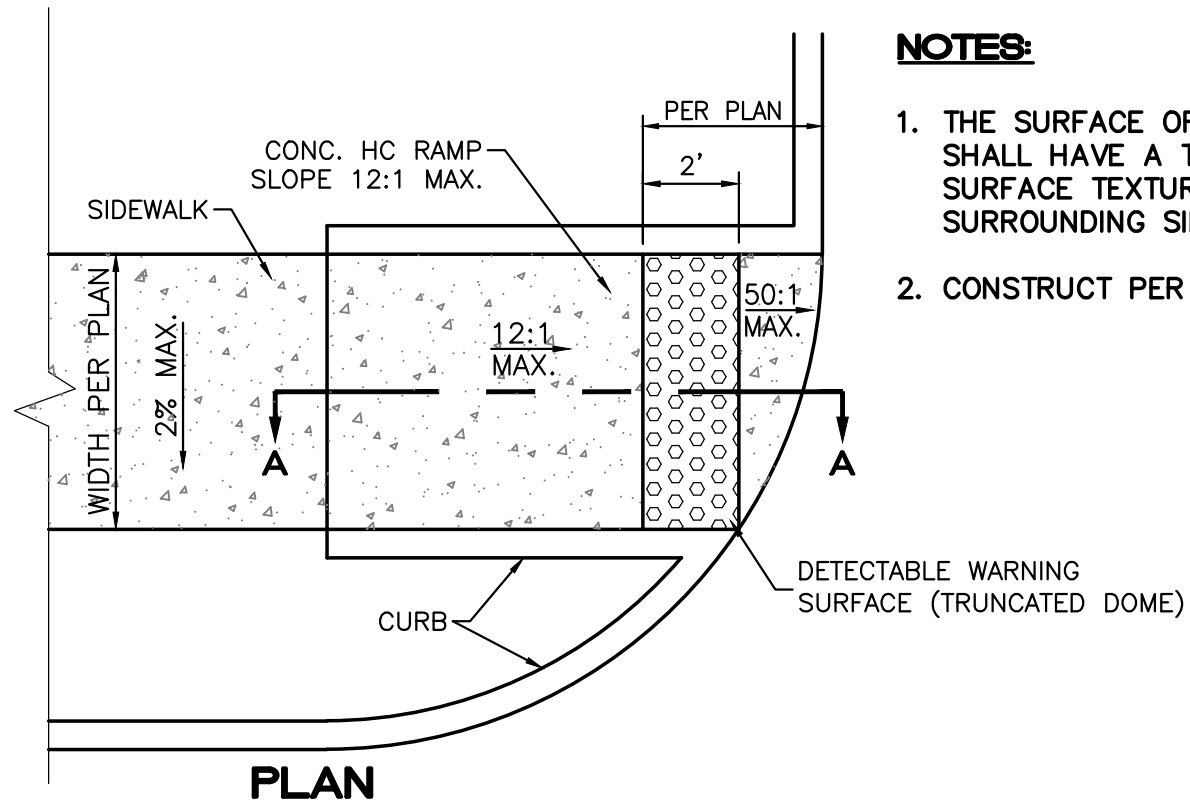
DESIGN

DESIGNED BY: VC
DATE: June, 2021

DRAWN BY: pm
DATE: June, 2021

CHECKED BY: RRB
DATE: June, 2021

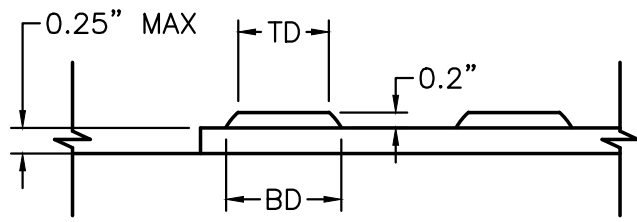
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
<div>RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER 06/17/2021</div>		FIELD NOTES		A.G.R.S. MONUMENT "REWARD"		CONTRACTOR	
		NO.	BY	DATE	STANDARD A.G.R.S. BRASS TABLET	WORK	DATE
					NEW MEXICO STATE PLANE COORDINATES	INSPECTOR'S	DATE
					(CENTRAL ZONE-N.A.D. 1983)	ACCEPTANCE BY	DATE
					N=1,487,364.063	VERIFICATION BY	DATE
						DRAWINGS	
						COMPILED BY	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						DATE	
						NO.	



UNIDIRECTIONAL HC RAMP
NOT TO SCALE

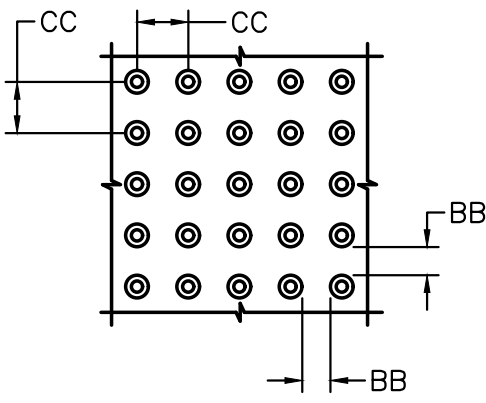
NOTES:

1. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. CONSTRUCT PER A.D.A. STANDARDS.



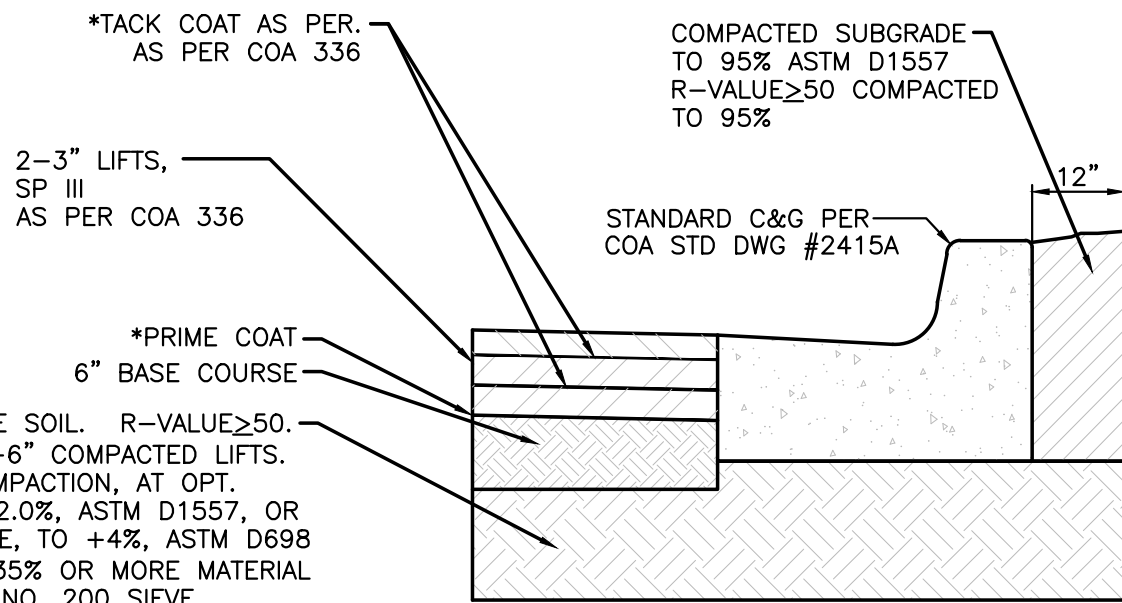
DOME SECTION

BD - BASE DIAMETER 0.9\"/>



DOME SPACING

CC - CENTER TO CENTER SPACING 2.35\"/>



DAYTONA ROAD
PAVING SECTION

NTS
(PER PROJECT NO 655787)

- * UNLESS WAIVED IN FIELD BY COA ENGINEERS REPRESENTATIVE

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR TEES*						
SIZE	LENGTH ALONG RUN**					
	10'	8'	6'	4'	2'	0'
12x12x12	61	68	76	83	90	98
12x12x10	39	48	56	65	74	83
12x12x8	15	26	37	48	59	70
12x12x6	1	1	9	24	38	53
12x12x4	1	1	1	1	16	37
10x10x10	46	54	61	68	76	83
10x10x8	25	34	43	52	61	70
10x10x6	1	5	17	29	41	53
10x10x4	1	1	1	2	20	37
8x8x8	34	42	49	56	63	70
8x8x6	6	15	25	34	43	53
8x8x4	1	1	1	10	24	37
6x6x6	7	24	31	39	46	53
6x6x4	1	1	6	17	27	37

*RESTRAINTS ONLY PLACED ON THE BRANCH
**LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE)					
SIZE	HORIZONTAL BENDS				VALVES DEAD END
	90°	45°	22-1/2°	11-1/4°	
12	45	19	9	4	102
10	38	16	8	4	86
8	32	13	6	3	72
6	25	10	5	2	55
4	18	7	4	1	39

RESTRAINED JOINT LENGTHS FOR REDUCERS***			
SIZE	L. SIDE	SIZE	L. SIDE
12x10	50	10x6	53
12x8	54	10x4	70
12x6	74	8x6	30
12x4	88	6x4	52
10x8	29	6x4	28

***RESTRAINTS ONLY PLACED ON LARGE SIDE

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM TO 6.0'
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

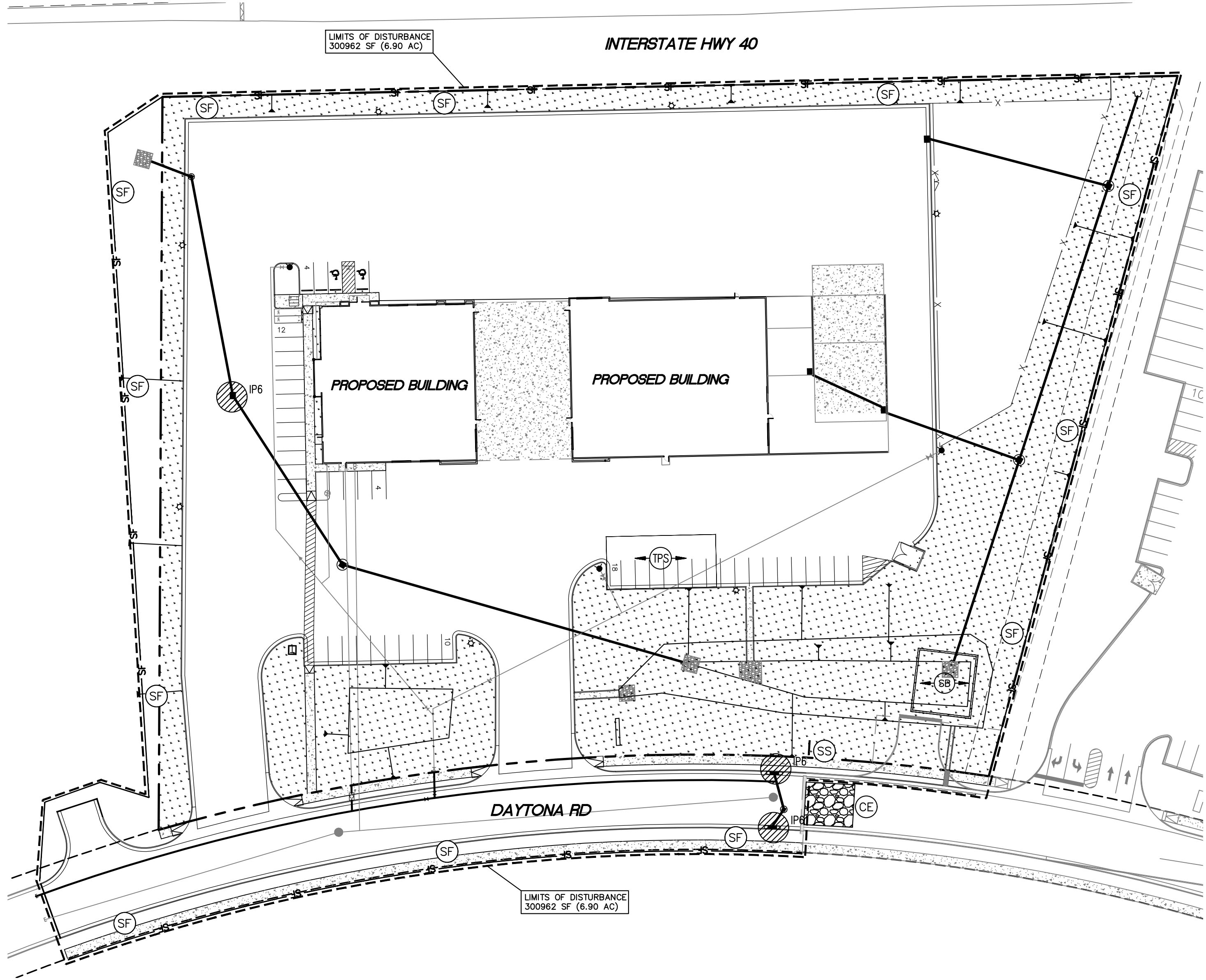
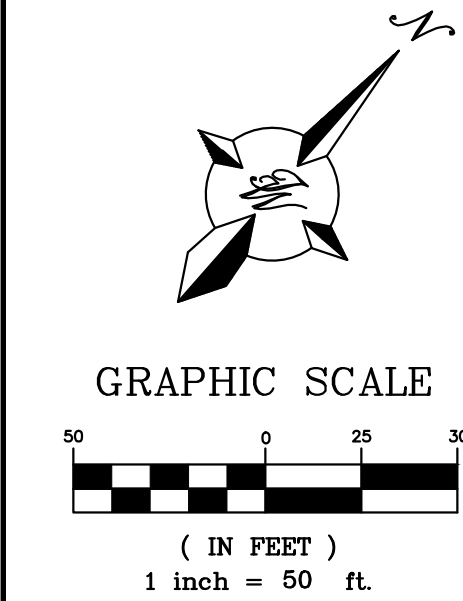
THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR VERTICAL OFFSETS/BENDS (EACH SIDE)				
SIZE	HORIZONTAL BENDS			
	90°	45°	22-1/2°	11-1/4°
12 UPPER	DON'T USE	42	20	10
12 LOWER	DON'T USE	10	5	2
10 UPPER	DON'T USE	36	17	8
10 LOWER	DON'T USE	8	4	2
8 UPPER	DON'T USE	30	14	7
8 LOWER	DON'T USE	7	3	2
6 UPPER	DON'T USE	23	11	5
6 LOWER	DON'T USE	5	3	1
4 UPPER	DON'T USE	16	8	4
4 LOWER	DON'T USE	4	2	1

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: DAYTONA ROADWAY IMPROVEMENTS CONSTRUCTION DETAILS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			
CITY PROJECT NO. 655788	ZONE MAP NO. J-9-Z	SHEET 8	OF 10



BMP MAINTENANCE:

ALL MEASURES STATED IN THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT THE END OF THE WORKDAY BY A QUALIFIED MEMBER OF THE SWPPP COMPLIANCE TEAM.

THE OPERATOR WITH CONTROL OF THE SITES DAILY ACTIVITIES IS RESPONSIBLE TO MAINTAIN, CLEAN AND REPAIR EROSION CONTROLS IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED, IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION. SEDIMENT SHALL BE REMOVED TO INSURE PROPER FLOWS. INLET PROTECTION TYPES MAY NEED TO BE MODIFIED DURING THE CONSTRUCTION PROGRESS.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.
3. SILT FENCES, WADDLES OR OTHER CONTROLS SHALL BE REPLACED OR REPAIRED TO PROPER FUNCTIONING CONDITION, IF DAMAGED. SEDIMENT AND SOIL SHALL BE REMOVED WHEN REACHES ONE-HALF THE HEIGHT OF THE CONTROL.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING, EXTENDING OR OTHER MODIFICATIONS TO THE CONSTRUCTION EXITS AS CONDITIONS DEMAND. SITE TRAFFIC SHOULD BE LIMITED TO THE CONTROLLED EXITS ONLY.
5. SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
6. REFERENCE THE SWPPP BOOK FOR ALL EROSION CONTROL MAINTENANCE PROCEDURES AND FREQUENCIES. CONSULT THE SWPPP PREPARER WITH ANY QUESTIONS REGARDING THIS SWPPP AND ITS REQUIREMENTS.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT FROM THE LOCAL JURISDICTIONAL AUTHORITY PRIOR TO BEGINNING WORK.
2. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR MAINTAINING RUN-OFF and RUN ON OF SITE DURING CONSTRUCTION.
3. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY, REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL EXPOSED EARTH SURFACES MUST HAVE APPROPRIATE CONTROLS TO PROTECT FROM WIND AND WATER EROSION DURING ALL PHASES OF THE PROJECT.
5. STOCKPILES INACTIVE FOR 14 DAYS ARE REQUIRED TO HAVE TEMPORARY STABILIZATION OR APPROPRIATE COVER TO CONTROL WIND AND WATER EROSION.
6. THE OPERATOR WITH CONTROL OF THE DAILY SITES ACTIVITIES IS REQUIRED TO MAINTAIN ALL SITE BMP'S IN GOOD CONDITION FOR THE DURATION OF THE PROJECT UNTIL A NOTICE OF TERMINATION IS ACCEPTED BY THE EPA.
7. IF SITE EARTH DISTURBANCES EXCEED 5 ACRES AT ANY ONE TIME, TEMPORARY AND/OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE. SITE EARTH DISTURBANCES OF LESS THAN 5 ACRES, HAVE 14 DAYS TO PROVIDE TEMPORARY OR PERMANENT STABILIZATION WHEN AREA BECOMES INACTIVE OR EARTH DISTURBING ACTIVITIES ARE COMPLETE.
8. SITE WILL BE STABILIZED AT THE END OF THE GRADING IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL DETAILS. ALL SURFACES WILL BE STABILIZED NO LATER THAN 14 DAYS AFTER THE LAST DAY THAT THE SURFACE HAS BEEN DISTURBED. IF FINAL STABILIZATION HAS NOT BEEN INSTALLED A GRAVEL ROCK PLATING (INSTALLED TO A MINIMUM OF 2 INCHES DEEP) WILL BE APPLIED. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE SURFACE IS STABLE EITHER BY PLACING A ROCK PLATING OR THE ESTABLISHMENT OF NATIVE SEEDING IN ACCORDANCE WITH THE SEEDING SPECIFICATION ON THE PLANS. IF THE CONTRACTOR CHOOSES TO USE NATIVE SEEDING THE SITE WILL BE MAINTAINED BY THE CONTRACTOR AND SUPPLEMENTAL SEEDING SHALL BE PERFORMED AS REQUIRED UNTIL SUCH STABILIZATION HAS BEEN ACHIEVED.

SEQUENCE OF CONSTRUCTION:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
2. POST PUBLIC NOTICE PER DETAIL.
3. INSTALL DOWN GRADIENT PERIMETER CONTROLS.
4. INSTALL SEDIMENT CONTROLS AT INLETS AND DRAINAGE STRUCTURES.
5. INSTALL SEDIMENT TRAP BASINS INCLUDING EMERGENCY OVERFLOW.
6. NOTIFY SWPPP COMPLIANCE INSPECTOR OF COMPLETION OF THE ABOVE.
7. BEGIN GRUBBING AND SOIL DISTURBING ACTIVITIES.
8. PROVIDE POSITIVE GRADES TOWARDS SEDIMENT TRAPS DURING SITE GRADING.
9. PROVIDE TEMPORARY STABILIZATION OF DISTURBED AREAS OR STOCKPILES.
10. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
11. FINISH GRADING THE SITE.
12. COMPLETE SITE FINAL STABILIZATION

GENERAL NOTES:

1. PROVIDE POSITIVE DRAINAGE TOWARDS SEDIMENT TRAPS DURING GRADING OPERATIONS.
2. INSTALL WATTLES ALONG LINEAR CONSTRUCTION OF SD
3. PROVIDE POSITIVE DRAINAGE TO TEMPORARY SEDIMENT BASIN DURING ALL GRADING ACTIVITIES
4. IF OFFSITE GRADING AND ROADWAY IMPROVEMENTS ARE TO BE COMPLETED BY OTHERS, COORDINATION OF OFFSITE BMP'S WITH PROPOSED ONSITE BMP'S SHALL BE REQUIRED BY THE CONTRACTOR(S)

PROPOSED

- BOUNDARY LINE
- LIMITS OF DISTURBANCE
- CONTOUR ELEVATIONS

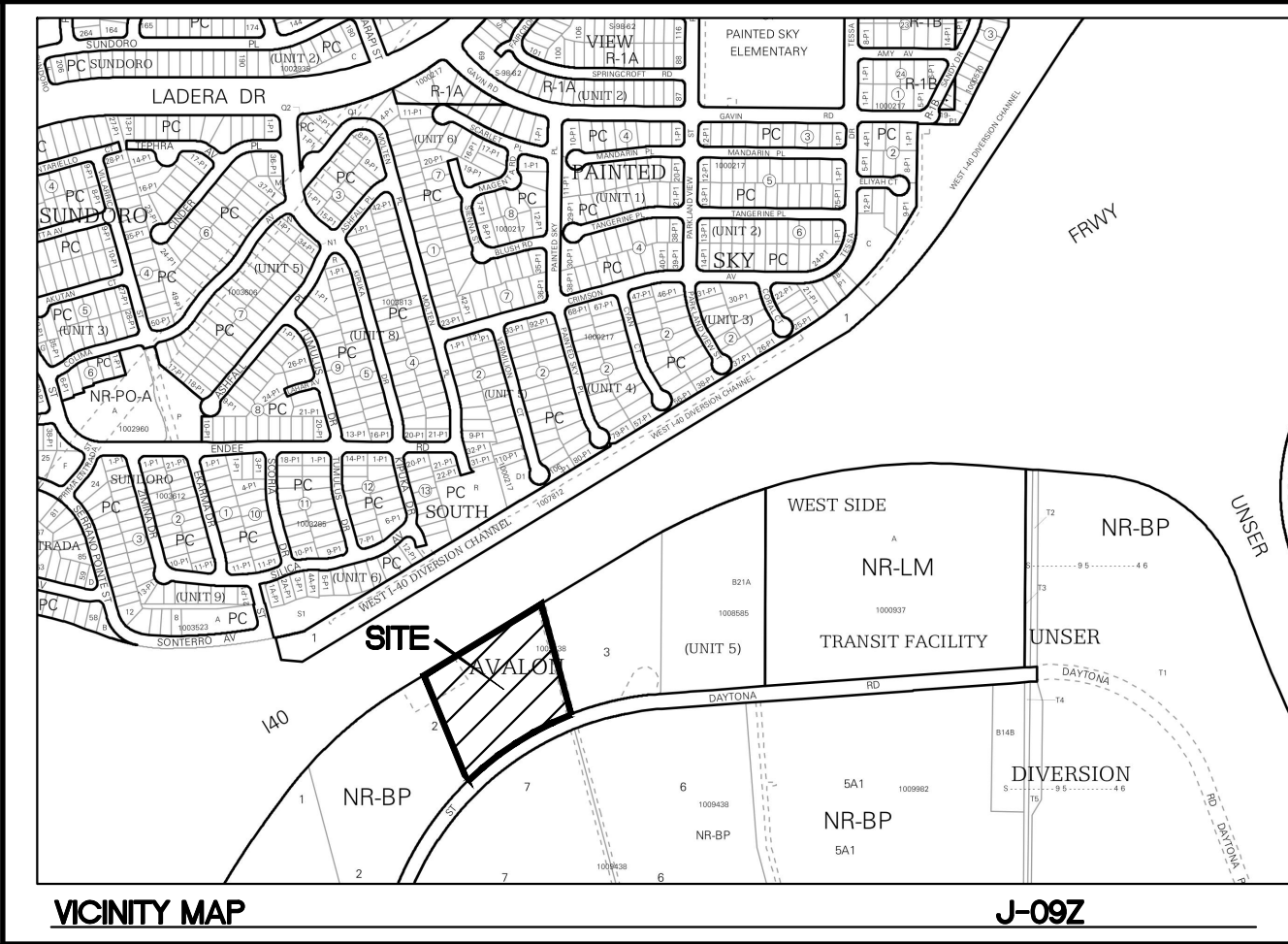
EROSION DETAILS

- CE TEMPORARY STONE CONSTRUCTION EXIT
- SF TEMPORARY SILT FENCE
- ST TEMPORARY SEDIMENT TRAP
- IP INLET PROTECTION
- SB TEMPORARY SEDIMENT BASIN
- TPS TEMPORARY PARKING AND STORAGE

EROSION NOTES

GENERAL EROSION NOTES:

- A. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE SWPPP BOOK, THE 2017 GENERAL CONSTRUCTION PERMIT, THIS DRAWING ("TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN"), STANDARD DETAILS ("TEMPORARY EROSION CONTROL AND SEDIMENTATION DETAILS"), EPA NOTICE OF INTENT PERMIT AND ALL SUBSEQUENT REPORTS, CORRECTIVE ACTIONS AND EROSION CONTROL RELATED DOCUMENTS.
- B. ALL OPERATORS AS DESIGNATED, CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE ACTIVITIES RELATED TO STORM WATER POLLUTION PREVENTION SHALL REVIEW A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE 2017 CONSTRUCTION GENERAL PERMIT, THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), THE CLEAN WATER ACT OF 1972 AND BECOME FAMILIAR WITH THEIR CONTENTS.
- C. THE OPERATOR IN CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS THAT MAY OCCUR AT NO ADDITIONAL COST TO PROJECT OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO ALL FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. OPERATOR WITH CONTROL OF DAILY SITE ACTIVITIES SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, LOCAL JURISDICTIONAL AUTHORITY OR SWPPP COMPLIANCE INSPECTOR.
- E. THE TEMPORARY EROSION CONTROL AND SEDIMENTATION PLAN IS A WORKING DOCUMENT AND IS REQUIRED TO BE UPDATED WITHIN 24 HOURS OF ANY CHANGES WHEN BMP'S ARE REPAIRED, RELOCATED OR REMOVED BY NOTING ON THE PLAN THE AREAS AND DATES OF THE REPAIRS, RELOCATIONS OR REMOVALS. AN ACTIVE COPY OF THE PLAN SHALL BE POSTED IN THE JOB SITE TRAILER ONSITE, AND MUST BE MAINTAINED CURRENT AT ALL TIMES.
- F. CONTRACTOR SHALL MINIMIZE CLEARING AND EARTH DISTURBANCE TO THE MAXIMUM ACREAGE AS REQUIRED BY THE EPA CONSTRUCTION GENERAL PERMIT.
- G. CONTRACTOR SHALL DENOTE ON THIS PLAN, THE LOCATION OF TEMPORARY PARKING, STORAGE, PORTABLE SANITARY FACILITIES, OFFICE TRAILERS, AND ALL SUPPORT AREAS. RELOCATIONS OF EACH SHALL ALSO BE DOCUMENTED AS THEY OCCUR.
- H. ALL WASH OUT WATER USED FOR CONCRETE, MASONRY, PAINT AND OTHER MATERIALS SHALL HAVE ADEQUATE SIGNAGE WITH PROPER CONTAINMENT AND DISPOSED OF PROPERLY WHEN CAPACITY REACHES 50% OR PER VENDOR RECOMMENDATIONS. VENDORS AND TRADESMEN SHALL BE INFORMED OF THE REQUIREMENTS TO USE THE WASH OUT.
- I. A SPILL KIT SHALL BE READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. A DISCHARGE OF ANY MATERIAL IN A QUANTITY THAT MAY WITHIN REASONABLE PROBABILITY CAUSE, INJURE OR BE DETRIMENTAL TO HUMAN HEALTH, ANIMAL OR PLANT LIFE, OR PROPERTY; OR INTERFERE WITH THE PUBLIC WELFARE MUST BE REPORTED TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT HOTLINE AT (505) 827-9329 FOR EMERGENCIES OR FOR NON EMERGENCIES AT (866)-428-6535. IF UNSURE IF THE SPILL IS OF A SIGNIFICANT QUANTITY, THE SPILL SHOULD BE REPORTED TO THE HOTLINE AND INFORMATION PROVIDED WITH DETAILS OF THE SPILL FOR FURTHER ACTIONS.
- J. DUST DURING CONSTRUCTION OPERATIONS SHALL BE FREQUENTLY CONTROLLED BY WATER SUPPRESSION METHODS ONLY. EARTH DISTURBING OPERATIONS SHALL CEASE IF HIGH WINDS ABOVE 35 MPH ARE PRESENT. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS IS STRICTLY PROHIBITED. OTHER CHEMICALS USED FOR DUST SUPPRESSION MUST BE APPROVED BY THE EPA PRIOR TO THEIR USE.
- K. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED, COVERED, LEAK PROOF CONTAINERS. CONTAINERS SHALL BE DISPOSED OF PROPERLY WHEN CAPACITY IS REACHED. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER.
- L. ALL STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED PER THE SEQUENCE OF CONSTRUCTION AS NOTED.
- M. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS BEEN TEMPORARILY SUSPENDED FOR 14 DAYS, SHALL HAVE TEMPORARILY STABILIZATION IN PLACE NO LATER THAN 14 DAYS FROM THE LAST DATE OF CONSTRUCTION ACTIVITY OCCURRING THESE AREAS.
- N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL HAVE PERMANENT CONTROLS IN PLACE NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. THE CITY HAS ACCEPTED ESTABLISHMENT OF NATURAL VEGETATION AS A STABILIZATION METHOD. ONCE THE STAND OF NATURAL VEGETATION HAS BEEN ESTABLISHED IT IS CONSIDERED STABILIZED AND IN LIEU OF ESTABLISHED VEGETATION THE CONTRACTOR CAN PLACE 2 INCHES OF 3/4 INCH GRAVEL MULCH WITH AN APPROVED HYDRO-SEEDING MIXTURE ON SLOPES FOR PERMANENT PROTECTION.
- O. IF THE ACTION OF VEHICLES OR EQUIPMENTS TRAVELING OVER THE CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD FROM LEAVING THE SITE, THEN THE LENGTH OF THE EXIT SHOULD BE EXTENDED TO PROVIDE ADDITIONAL TIRE ROTATIONS, LARGER ROCK MAY BE USED TO CREATE A SUFFICIENT JARRING MOTION OR INSTALL A TIRE WASH OFF WITH A SEDIMENT TRAP BEFORE LEAVING THE SITE.
- P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- Q. THE OPERATOR IN CHARGE OF THE DAILY SITES ACTIVITIES WILL BE RESPONSIBLE FOR REMOVING SEDIMENT OR SOILS ACCUMULATING MORE THAN 50% OF THE DESIGN CAPACITY IN DETENTION PONDS, SILT FENCING OR OTHER SIMILAR EROSION CONTROLS.
- R. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES, AS REQUIRED PER THE CONSTRUCTION GENERAL PERMIT. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE ESC PLAN AND PERMITTED IN ACCORDANCE WITH LOCAL AUTHORITIES HAVING JURISDICTIONAL CONTROL.
- S. SLOPES SHALL BE LEFT WITH CROSS SLOPE GRADING PATTERN AND IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION RILLS. EXCESSIVE SLOPES MAY REQUIRE ADDITIONAL INDUSTRY STANDARD CONTROLS TO PREVENT EROSION.
- T. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE OPERATOR IN CONTROL OF THE SITE'S DAILY ACTIVITIES SHALL BE RESPONSIBLE FOR ADJUSTING AND MAINTAINING ALL EROSION CONTROL TO PREVENT EROSION.
- U. ALL DISTURBED AREAS SHALL BE SUPPRESSED BY WATER AND ALL CONTROLS LEFT IN GOOD WORKING CONDITION AT THE END OF EACH WORKING DAY. THIS INCLUDES REPLACEMENT OF SILT FENCING AND/OR OTHER SURFACE CONTROLS, TRACK OUT SWEEP CLEAN, BACKFILL OF OPEN TRENCHES AND ANY OTHER EROSION CONTROLS.



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STANDARD A.G.R.S. BRASS TABLE	DATE	NO.	BY	REMARKS	DATE
WORK BY	DATE	NEW MEXICO STATE PLANE COORDINATES	DATE				
INSPECTOR'S ACCEPTANCE BY	DATE	(CENTRAL ZONE-N.A.D. 1983)					
VERIFICATION BY	DATE	N=1,487,364.063					
DRAWINGS COMPLETED BY	DATE	E=1,491,190.819					
MICRO-FILM INFORMATION		PUBLISHED EL=5319.688 (NAVD 1988)		DESIGNED BY: VC		DATE: June, 2021	
		GROUND TO GRID FACTOR=0.999675005		DRAWN BY: pm		DATE: June, 2021	
		DELTA ALPHA ANGLE=-07712.26"		JOB NO.: 2020058		CHECKED BY: RRB	
				DATE: June, 2021			

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

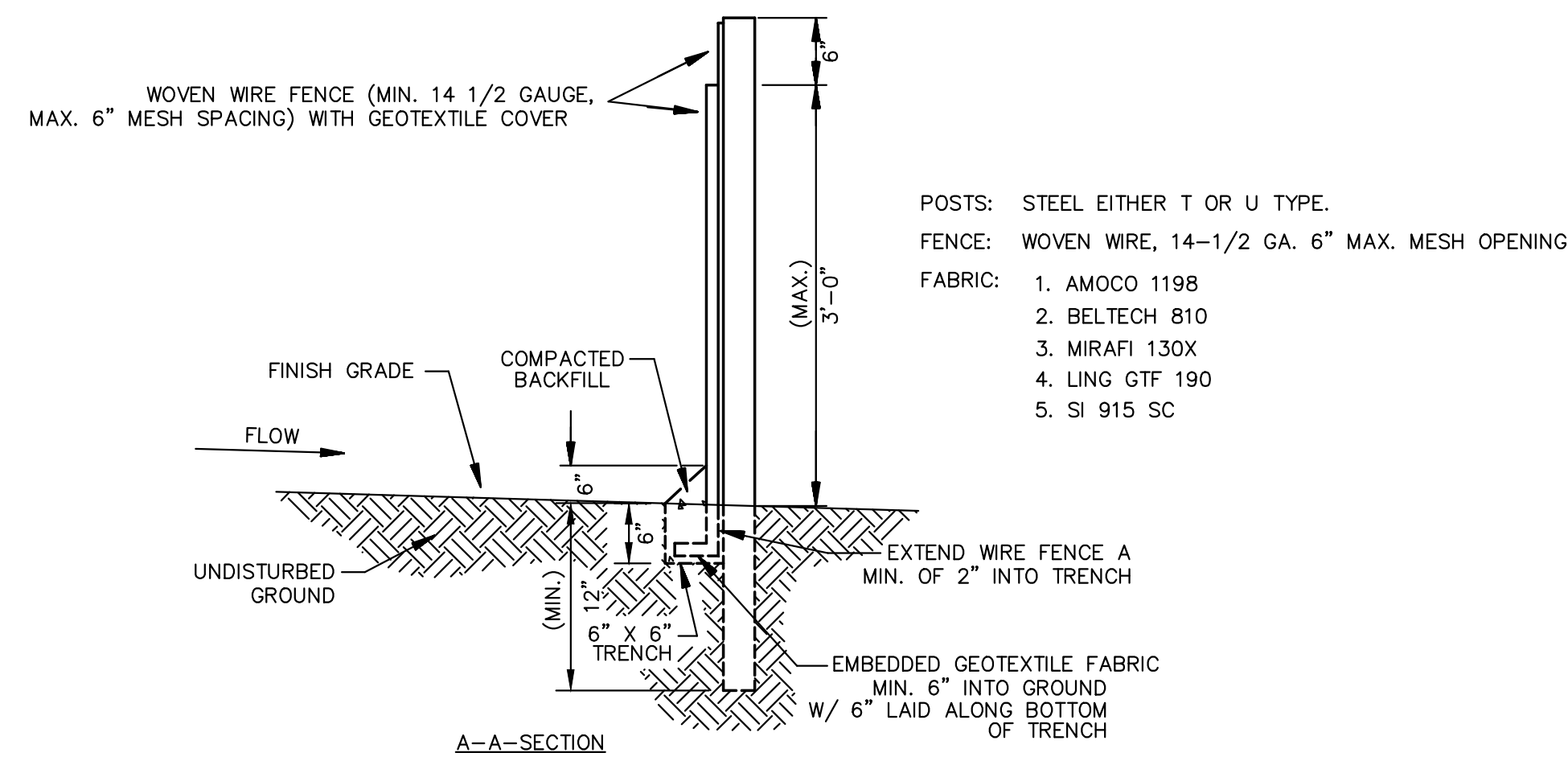
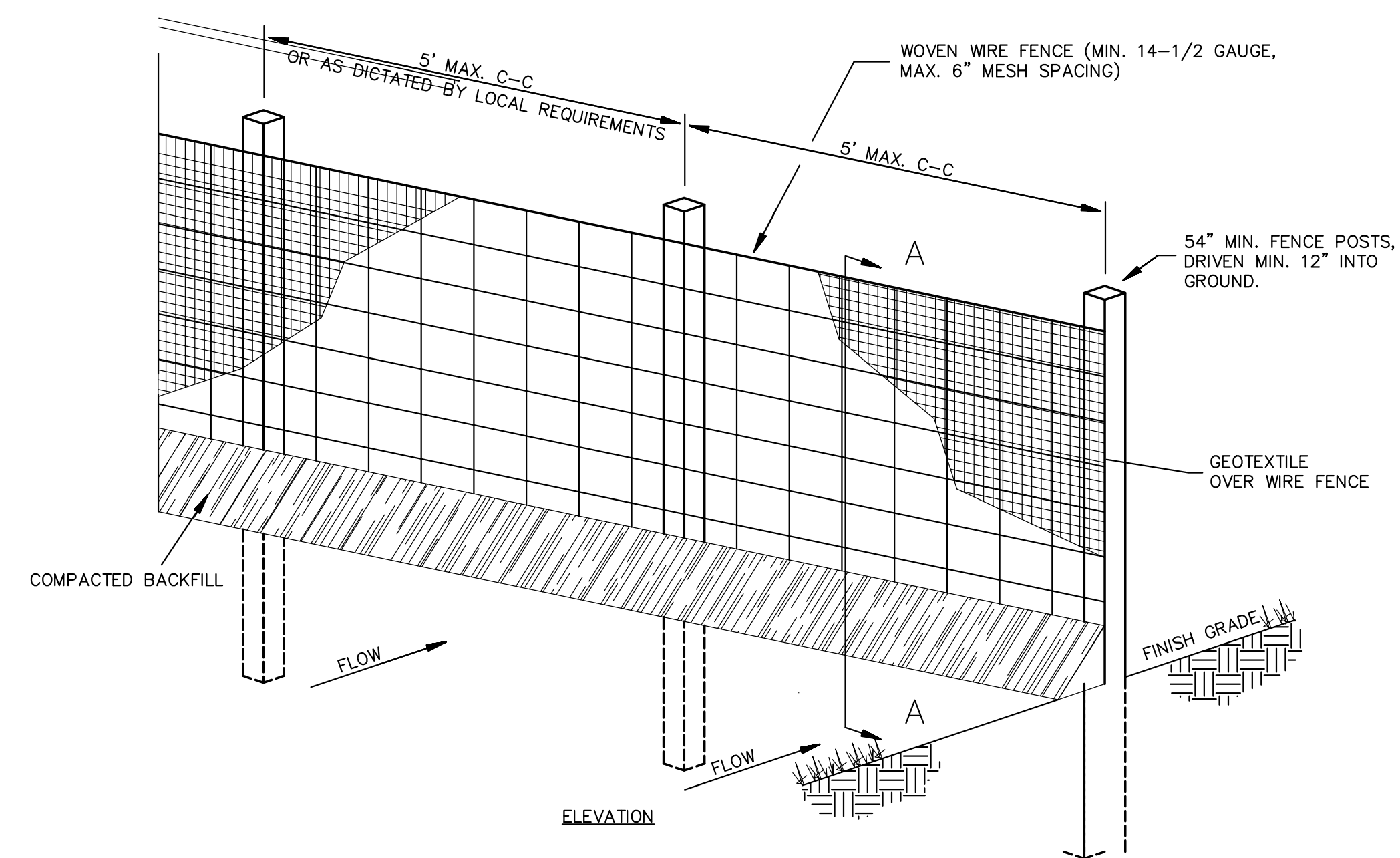
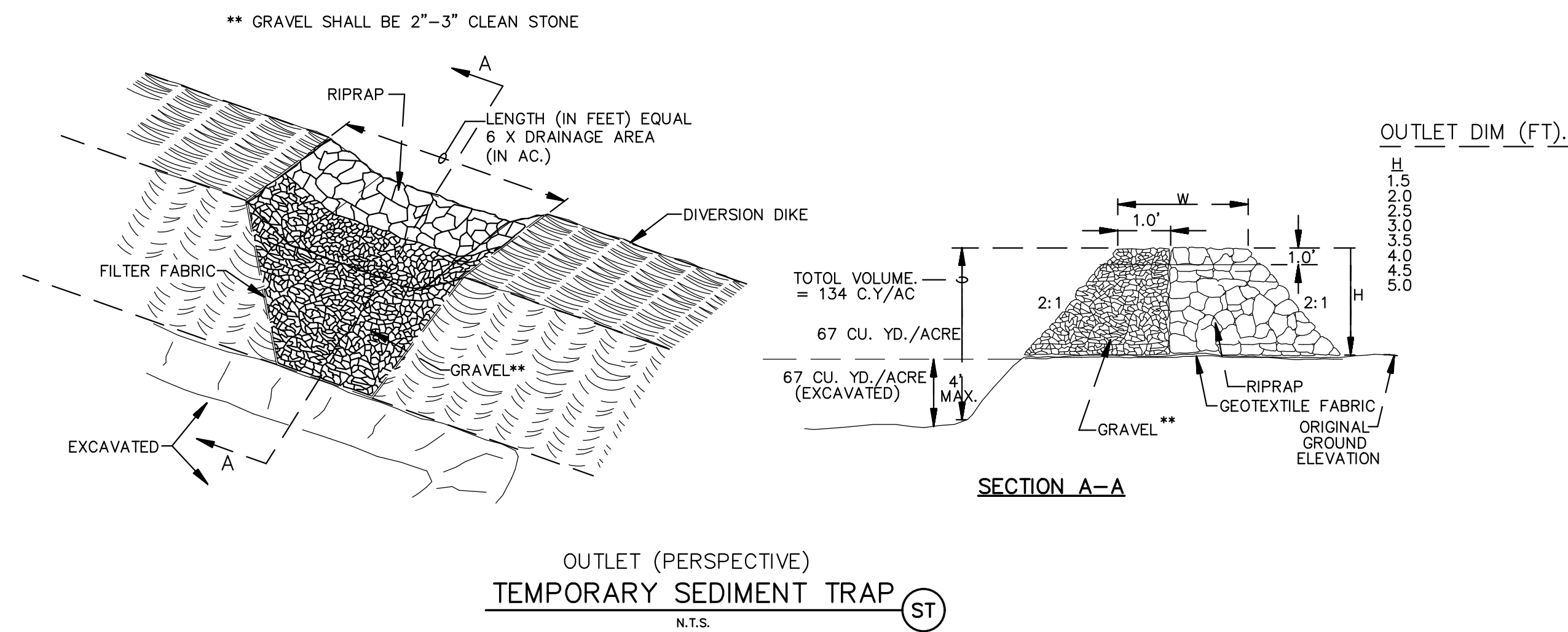
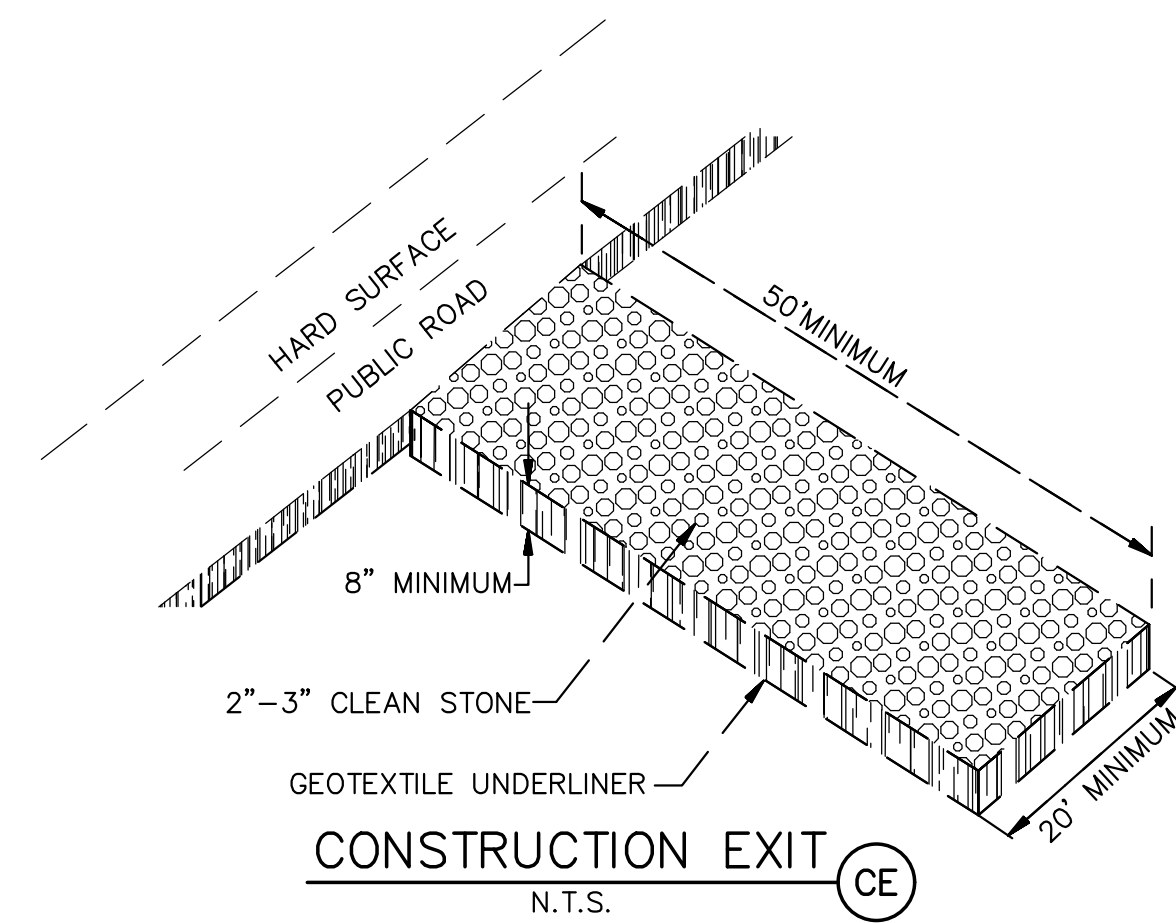
TITLE: DAYTONA ROADWAY IMPROVEMENTS
EROSION CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

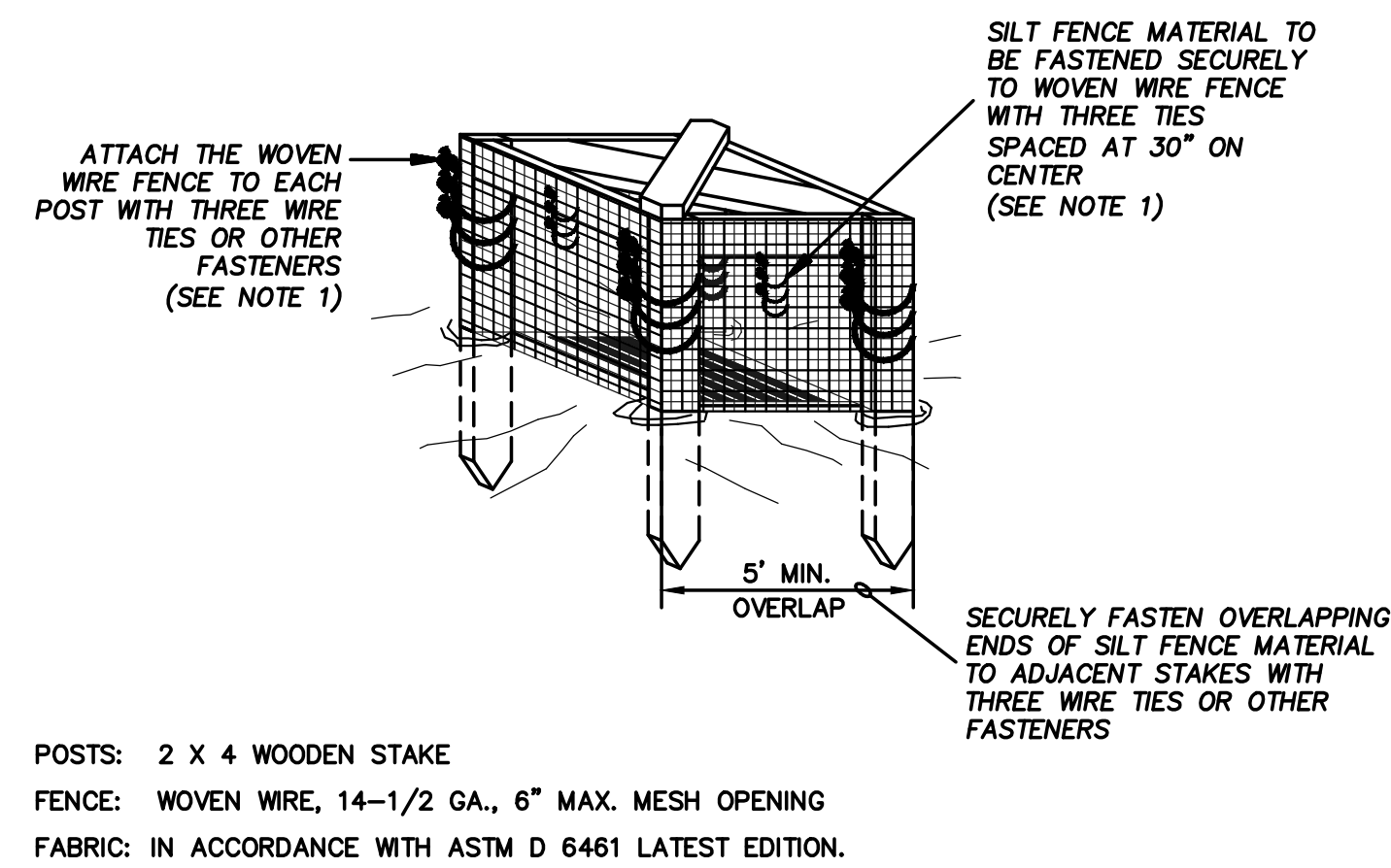
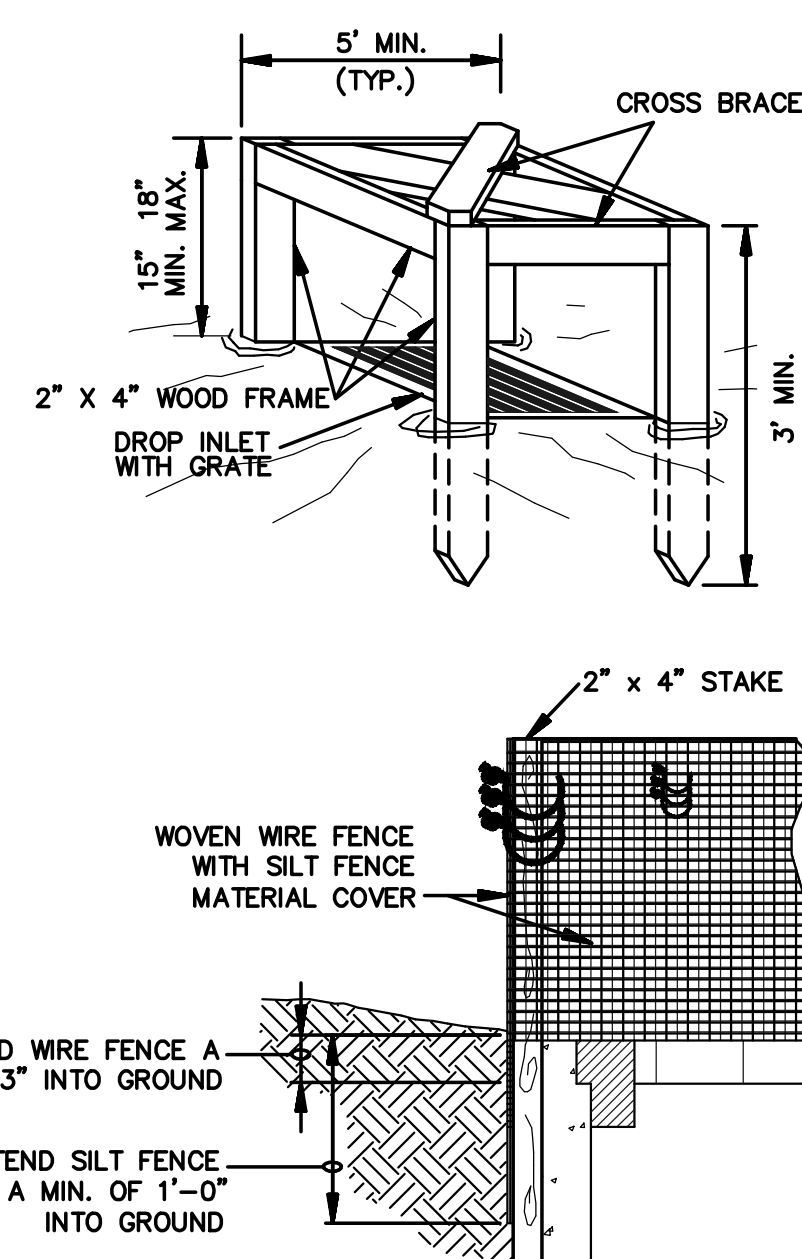
CITY PROJECT NO. 655788

ZONE MAP NO. J-9-Z

SHEET 9 OF 10

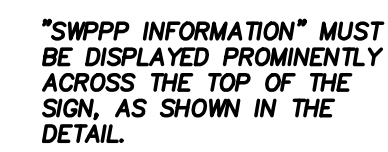


1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES
2. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION
3. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS INDICATED OTHERWISE

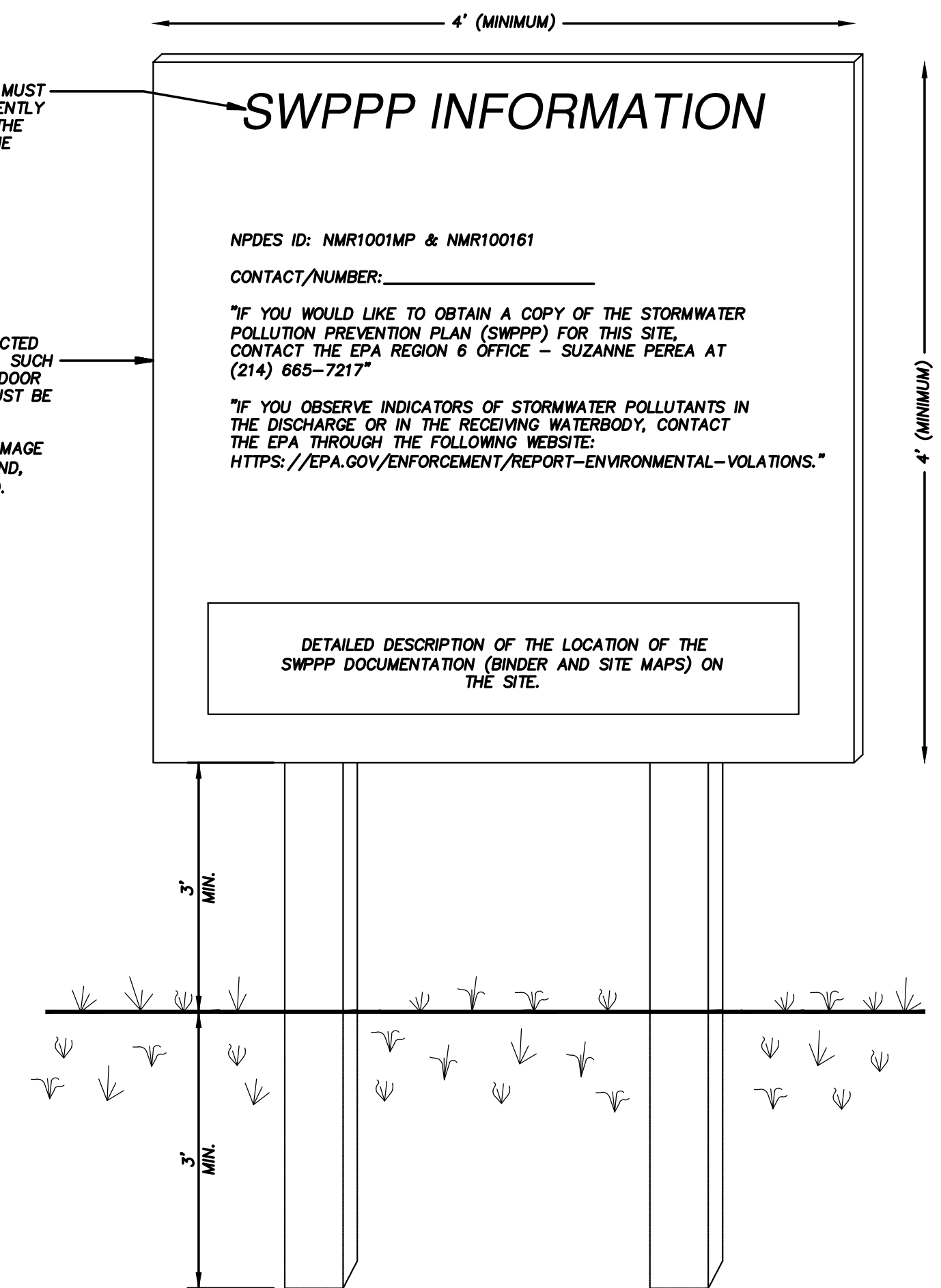


- POSTS: 2 X 4 WOODEN STAKE
FENCE: WOVEN WIRE, 14-1/2 GA., 6" MAX. MESH OPENING
FABRIC: IN ACCORDANCE WITH ASTM D 6461 LATEST EDITION.

1. ATTACH THE WOVEN WIRE FENCE TO EACH POST AND, THE GEOTEXTILE TO THE WOVEN WIRE FENCE (SPACED EVERY 30") WITH THREE WIRE TIES OR OTHER FASTENERS, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART.
2. WHEN TWO SECTIONS OF SILT FENCE MATERIAL ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED ACROSS TWO POSTS.
3. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE SWPPP. DEPTH OF ACCUMULATED SEDIMENTS MAY BE MEASURED BY THE HEIGHT OF THE FABRIC MAINTAINED ABOVE GRADE. CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ONE-HALF THE HEIGHT OF THE SILT FENCE MATERIAL ABOVE GRADE.
4. ALL SILT FENCE INLETS SHALL INCLUDE WIRE SUPPORT.



SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).



- NOTES:
- (1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
 - (2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION OF THE PROJECT AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 - (3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
 - (4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY MOVING VIOLATIONS.
 - (5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

[illegible]