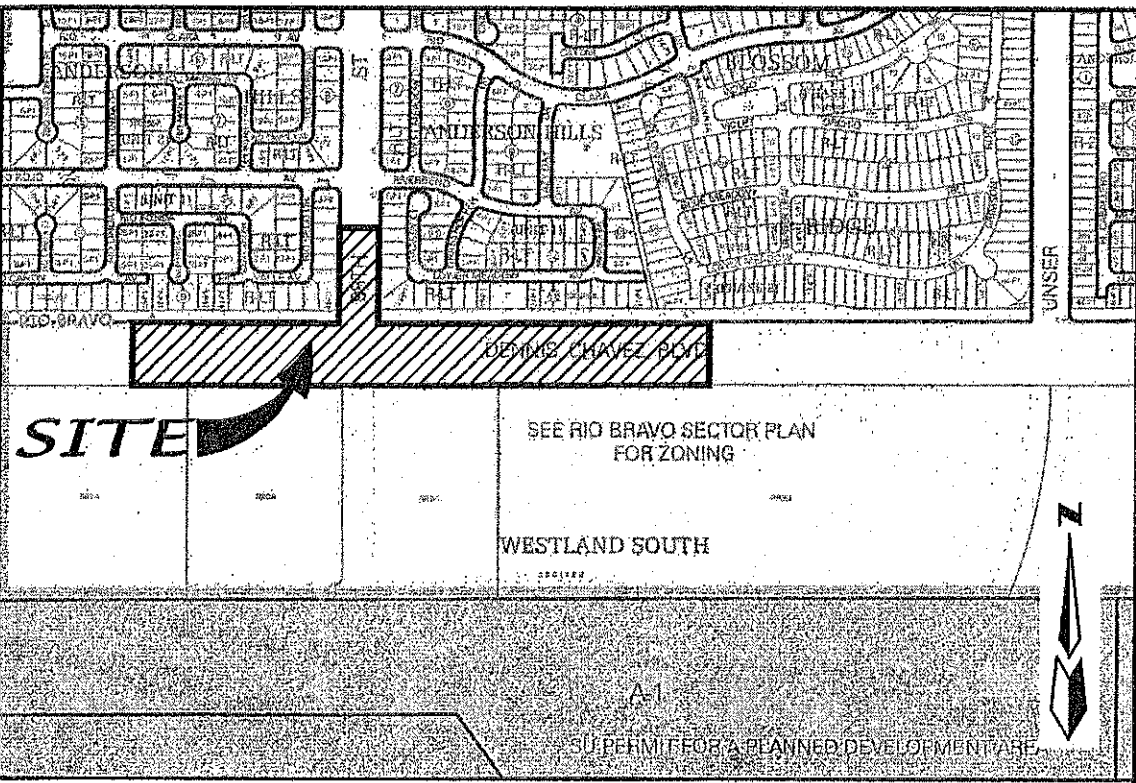


CONSTRUCTION PLANS
FOR
NEW MEXICO DEPARTMENT OF TRANSPORTATION
N.M.S.R. 500 (Dennis Chavez Blvd S.W.)
INFRASTRUCTURE IMPROVEMENTS
(CEJA VISTA UNIT 1 - PHASE II)
BERNALILLO COUNTY, NEW MEXICO

SURVEYOR'S CERTIFICATION
I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND 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" 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. CARTESIAN SURVEYS, INC. IN NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

APPROVED RECORD DRAWINGS	
City Inspector	Matt Garduno
Contractor	Franklin's Earthmoving
Construction Engineer	Jim Roeder
Date	6/7/2021



VICINITY MAP ZONE ATLAS: P-10-Z
SCALE: NONE

GENERAL NOTES

1. A N.M.D.O.T. UTILITY PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.

CONSTRUCTION NOTES:

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (505-260-1990) OR 811 FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL SAW CUT LINES SHALL NOT BE WITHIN A WHEEL PATCH AND ALL EDGES SMOOTH.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE 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 NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF 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 STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. 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 [HTTPS://ABCWUA.ORG/CONTENT/VIEW/463/729/](https://abcwua.org/content/view/full/463/729/)
12. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
13. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT WITH OSHA 29 CFR 1926.650 SUBPART P.
14. ELECTRONIC MARKER SPHERES (EMS) OR DEVICES WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
15. PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING (DEVELOPER'S RESPONSIBILITY).
16. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB & GUTTER, HANDICAP RAMPS AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER CITY OF ALBUQUERQUE STANDARDS, AT HIS OWN EXPENSE.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., 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 Brian J. Martinez, NMPS number 18374.



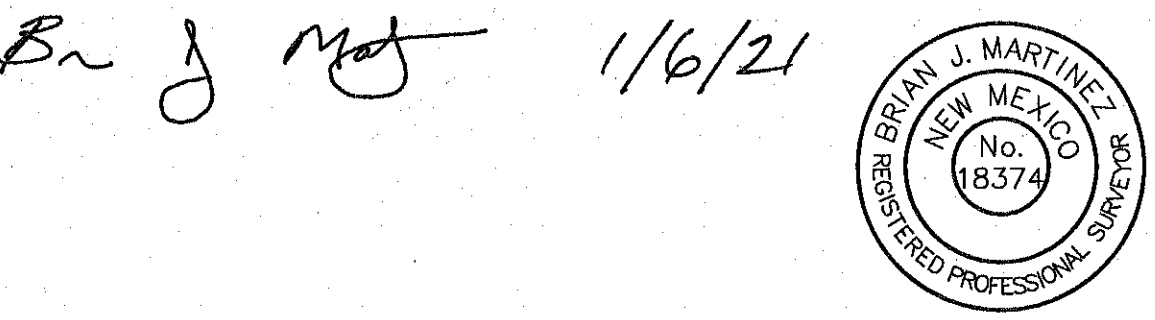
Mark Goodwin NMPE 8948 Date 1/6/21

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	COVER SHEET
2.1-2.2	PLAT
3.1-3.3	GRADING & DRAINAGE PLAN
4.1-4.2	MASTER PAVING PLAN - WEST & EAST
4.3	MASTER PAVING PLAN - TYPICAL DETAILS
5	98TH STREET PAVING IMPROVEMENTS - SOUTH
6	98TH STREET PAVING IMPROVEMENTS - NORTH
7	DENNIS CHAVEZ BLVD - WEST PAVING IMPROVEMENTS
8	DENNIS CHAVEZ BLVD - EAST PAVING IMPROVEMENTS
9	DENNIS CHAVEZ BLVD - WEST STRIPING AND SIGNAGE IMPROVEMENTS
10	DENNIS CHAVEZ BLVD - EAST STRIPING AND SIGNAGE IMPROVEMENTS
11	TRAIL AND CHANNEL - WEST P&P
12	TRAIL AND CHANNEL - EAST P&P
13	DENNIS CHAVEZ BLVD. WHEELCHAIR RAMP DETAILS
14-25	DENNIS CHAVEZ BLVD. TRAFFIC SIGNAL DETAILS

SURVEYOR'S CERTIFICATION

I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND 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" 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. CARTESIAN SURVEYS, INC. IN NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.



CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

NEW MEXICO DEPARTMENT
OF TRANSPORTATION

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****	*****	*****	*****
	DRC CHAIRMAN	Shahab Biazar	5/13/2020	APPROVED FOR CONSTRUCTION			
	TRANSPORTATION		5/18/2020				
	WATER/WASTEWATER	Ernest Armijo	5/18/2020				
	HYDROLOGY		5/18/20				
	CIP						
CONSTR. MNGMT							
CONSTR. COORD.							
CITY PROJECT NO.				SHEET OF			
614195				1 25			

APPROVED: _____
NEW MEXICO DEPARTMENT OF TRANSPORTATION DATE

RELATED WORK ORDER:
C.P.N. 619193
DRB NO. 1004428

Traffic Control Management. The contractor shall be required to submit and obtain approval of a Traffic Control Permit prior to commencing any construction activities on the roadway. Along with the permit, the contractor will be required to submit a Traffic Control Plan that will reflect and coordinate the contractor's proposed construction phasing. These plans shall be prepared and sealed by a New Mexico Registered Professional Engineer. The plans shall be reviewed and approved by the District Three Traffic Engineer or designee. The NMDOT District Traffic Section reserves the right to make any changes to the traffic control plan to address site specific items that were not shown on the plans. The NMDOT also reserves the right to add traffic control devices to the approved plan if it is determined by the traffic engineer or designee that the additional devices would be required to address safety concerns within or in advance of the work zone. Any additional signs and/or devices will be considered incidental to item 618000 (Traffic Control Management) and no measurement or payment shall be made. The Traffic Control Permit along with the Traffic Control Plan shall be submitted to the NMDOT at least 10 working days prior to construction. The Traffic Control Plans shall be submitted on 11x17 sheets. A copy of the Traffic Control Permit (Right-of-Way Form) may be obtained at the NMDOT website <http://www.dot.state.nm.us/enr/infrastructure.htm>

PLAT FOR
WESTLAND SOUTH
TRACTS RR-3-B-1 AND RR-3-C-1
WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 9
TOWNSHIP 9 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2018

NOTE:
CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED
AT CENTERLINE P.C.'S, P.T.'S, ANGLE POINTS AND STREET
INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR
INCH (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE",
"CENTERLINE MONUMENT", "DO NOT DISTURB", P.S. No. 7719."

ABBREVIATIONS

10' PUE = PUBLIC UTILITY EASEMENTS
GRANTED BY THIS PLAT.

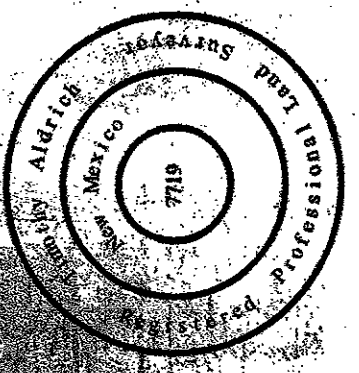
ROW = RIGHT-OF-WAY

LEGEND

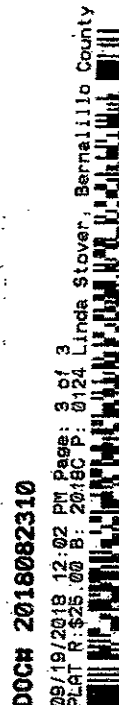
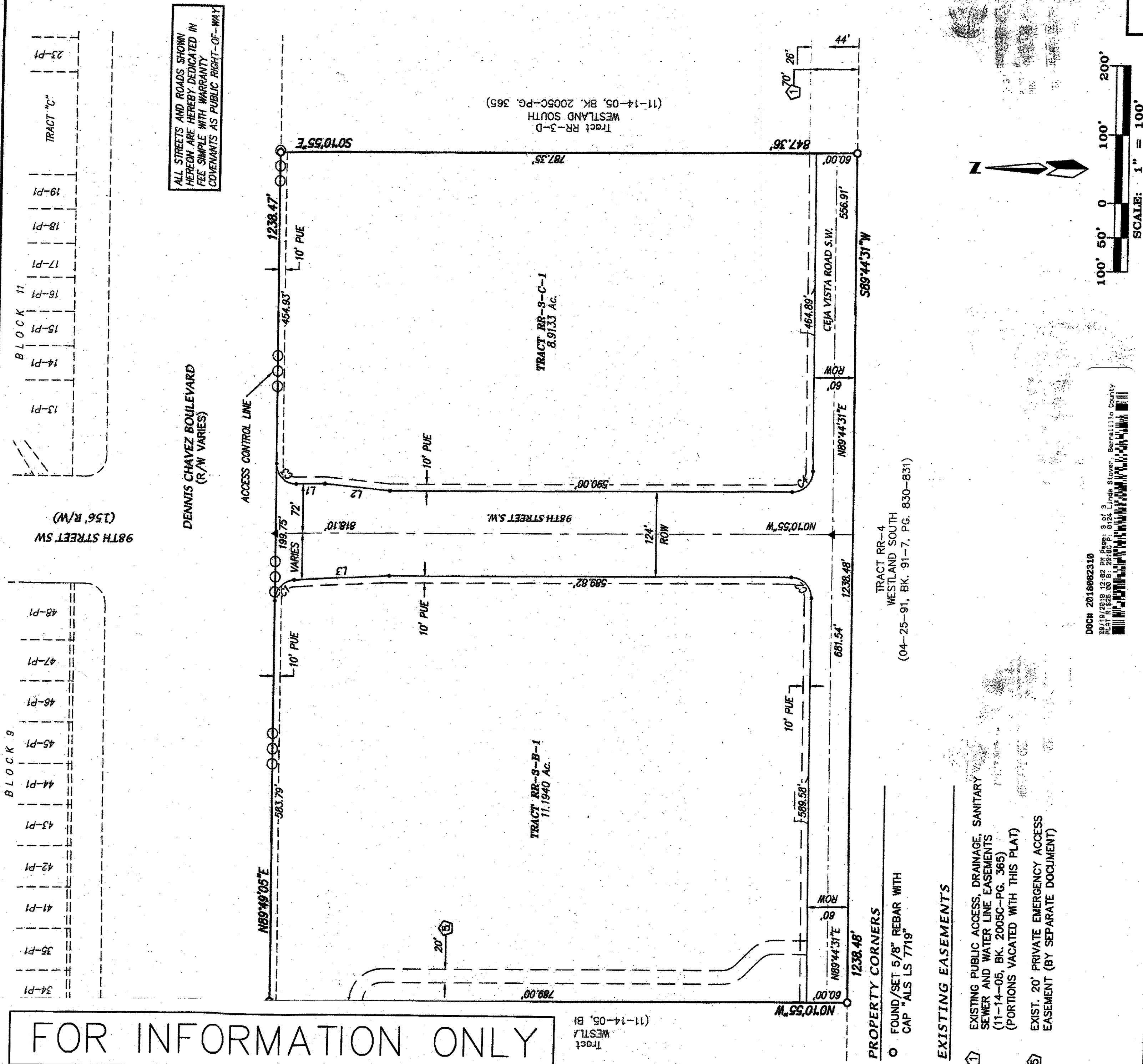
TRACT 3 TRACT IDENTIFIER
3-P1 EXISTING LOT NUMBER
▲ C.O.A. CENTERLINE MONUMENT
• REFERS TO END OF TANGENT OR CURVE
ON RIGHT-OF-WAY BLOCK CORNERS
(does not constitute any set corners)

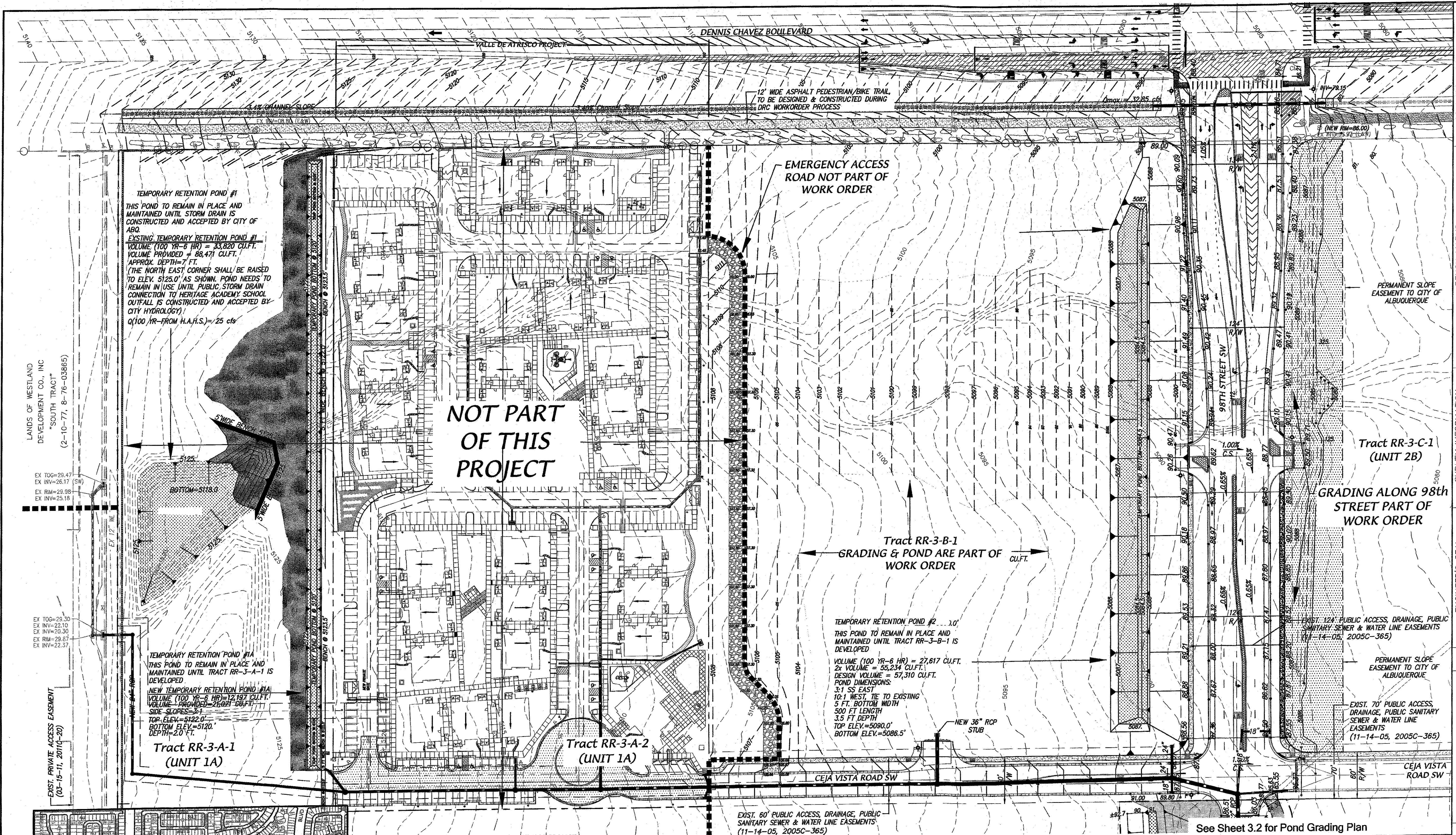
Line #	Bearing	Length
L1	S07°10'55"E	41.62
L2	S05°44'35"W	96.87
L3	N02°35'05"W	138.75

Curve #	Radius	Length	Delta	Tangent	Ch Direction	Length
C1	30.00'	45.88'	087°37'50"	28.78'	N48°22'00"W	41.54'
C2	30.00'	47.08'	089°55'28"	29.96'	N44°46'48"E	42.40'
C3	30.00'	47.12'	080°00'00"	30.00'	S44°49'05"W	42.43'
C4	30.00'	47.16'	080°04'34"	30.04'	S46°13'12"E	42.45'



ALDRICH LAND
SURVEYING
P.O. BOX 30701, ALBUQUERQUE, N.M. 87190
505-884-1990





TEMPORARY RETENTION POND #1
THIS POND TO REMAIN IN PLACE AND MAINTAINED UNTIL STORM DRAIN IS CONSTRUCTED AND ACCEPTED BY CITY OF ABQ.
EXISTING TEMPORARY RETENTION POND #1
VOLUME (100 YR-5 HR) = 33,820 CU.FT.
VOLUME PROVIDED = 88,471 CU.FT.
APPROX. DEPTH = 7 FT.
(THE NORTH EAST CORNER SHALL BE RAISED TO ELEV. 5125.0' AS SHOWN. POND NEEDS TO REMAIN IN USE UNTIL PUBLIC STORM DRAIN CONNECTION TO HERITAGE ACADEMY SCHOOL OUTFALL IS CONSTRUCTED AND ACCEPTED BY CITY HYDROLOGY)
Q(100 YR-FROM H.A.H.S.) = 25 cfs

TEMPORARY RETENTION POND #1A
THIS POND TO REMAIN IN PLACE AND MAINTAINED UNTIL TRACT RR-3-A-1 IS DEVELOPED.
NEW TEMPORARY RETENTION POND #1A
VOLUME (100 YR-5 HR) = 12,197 CU.FT.
VOLUME PROVIDED = 21,021 CU.FT.
SIDE SLOPES = 3:1
TOP ELEV. = 5122.0'
BOTTOM ELEV. = 5120.0'
DEPTH = 2.0 FT.

TEMPORARY RETENTION POND #2 ... 3.0'
THIS POND TO REMAIN IN PLACE AND MAINTAINED UNTIL TRACT RR-3-B-1 IS DEVELOPED.
VOLUME (100 YR-5 HR) = 27,617 CU.FT.
2x VOLUME = 55,234 CU.FT.
DESIGN VOLUME = 57,310 CU.FT.
POND DIMENSIONS:
3:1 SS EAST
10:1 WEST TIE TO EXISTING
5 FT. BOTTOM WIDTH
500 FT LENGTH
3.5 FT DEPTH
TOP ELEV. = 5090.0'
BOTTOM ELEV. = 5086.5'

Tract RR-3-C-1 (UNIT 2B)
GRADING ALONG 98th STREET PART OF WORK ORDER

NOTES

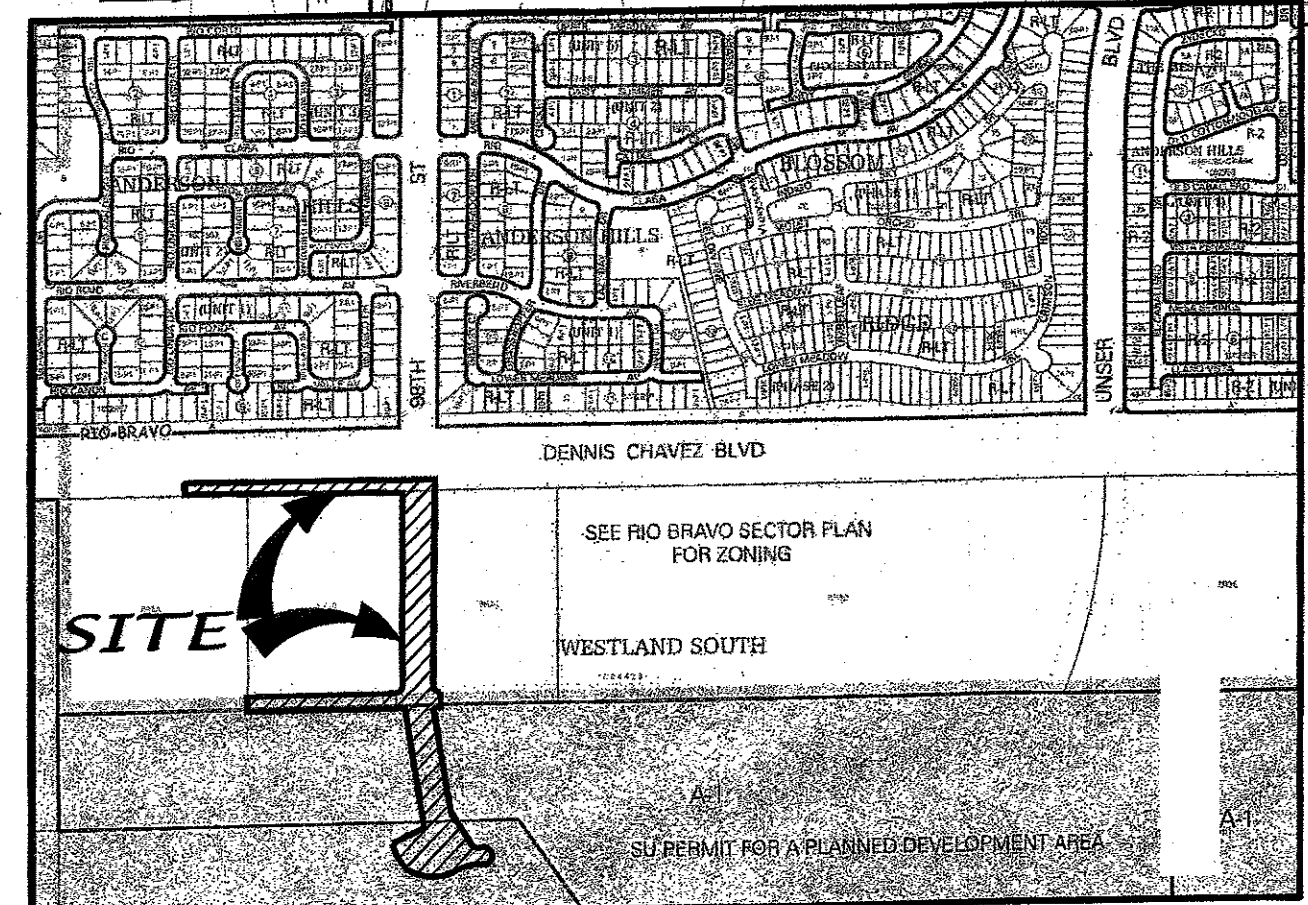
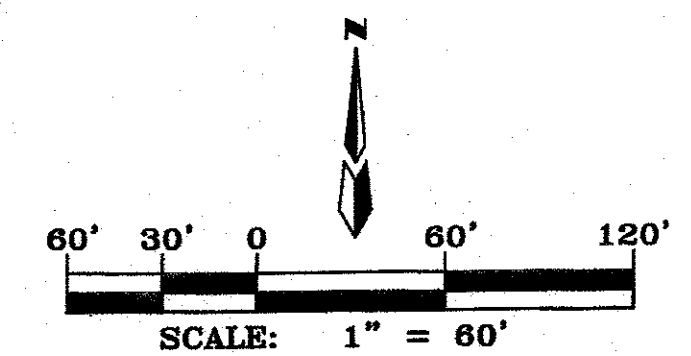
- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND METTING THE SOIL TO KEEP IT FROM BLOWING.
- THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
- SITE DOES NOT LIE IN A 100 YEAR FLOOD ZONE.
- ALL SITE WALLS SHALL CONFORM TO THE GENERAL HEIGHT AND DESIGN REGULATIONS CONTAINED IN SECTION 14-16-3-19 OF THE CITY ZONING CODE.
- COMBINATION GARDEN WALL/RETAINING WALL CANNOT EXCEED 8 FEET. IF THE RETAINING WALL IS GREATER THAN 4 FEET, THE DEVELOPER CAN ADD 3:1 SLOPES IN BACKYARD OR A SECOND RETAINING WALL OFFSET FROM THE FIRST ONE.

LEGAL DESCRIPTION

TRACT RR-3-A, TRACT RR-3-B AND TRACT RR-3-C, WESTLAND SOUTH WITHIN THE TOWN OF ATRISCO GRANT, PROJECTED SECTION 9, TOWNSHIP 9 NORTH, RANGE 2 EAST, N.M.P.M., CITY OF ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO

NEW EASEMENTS

- NEW PUBLIC WATER LINE EASEMENT GRANTED TO A.B.C.W.U.A. WITH THIS PLAT.
- NEW PUBLIC DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE WITH THIS PLAT.
- NEW PRIVATE ACCESS EASEMENT GRANTED TO TRACT RR-3-A-1 WITH THIS PLAT.



ZONE ATLAS MAP P-9-Z

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
AGRS Brass Cap stamped "ACS BN 4-Pg"		From the intersection of Dennis Chavez Boulevard and Coors Boulevard SW, travel west on Dennis Chavez Boulevard 1.80 miles to the benchmark on the right. The cap is on the south top of a concrete channel.													
WORK STARTED BY	DATE	FIELD LOCATION BY	DATE												
DESIGNED BY	DATE	DRAWN BY	DATE												
CHECKED BY	DATE	RECORDED BY	DATE												
Geographic Position in feet (NAD83)		N.M. State Plane Coordinates (Central Zone)													
Elevation in feet (NAD83) = 5129.366															

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90608
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

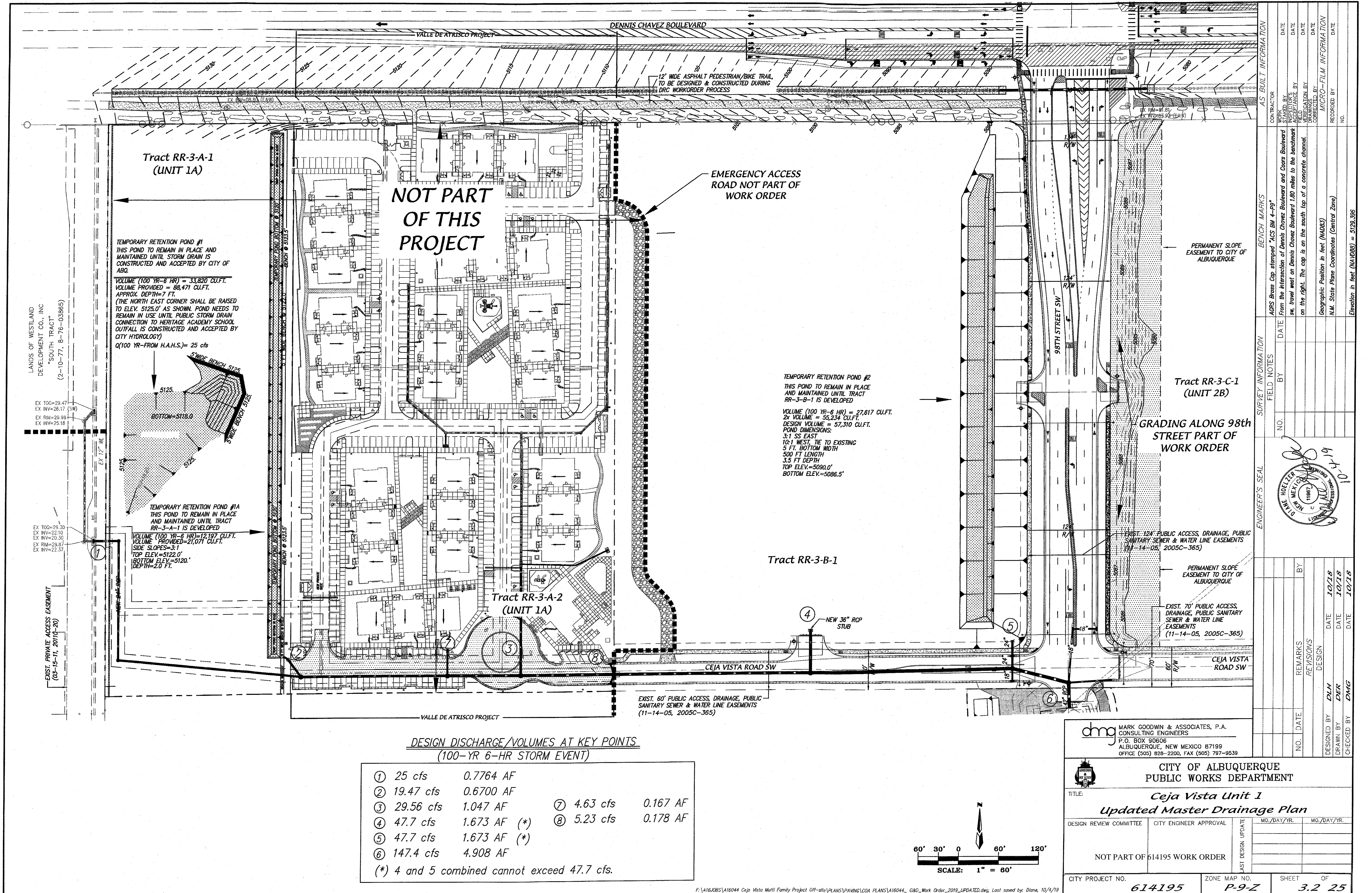
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

Jeja Vista Unit 1
Updated Master Drainage Plan

DESIGN REVIEW COMMITTEE: CITY ENGINEER APPROVAL

NOT PART OF 614195 WORK ORDER

CITY PROJECT NO. **614195** ZONE MAP NO. **P-9-Z** SHEET **3.1** OF **25**



dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 OFFICE (505) 828-2200, FAX (505) 797-9539		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
CEJA VISTA Unit 1 Updated Master Drainage Plan			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	MO./DAY/YR.
NOT PART OF 614195 WORK ORDER		DATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614195	P-9-Z	3.2	25

SEE SHEET 101 FOR OVERALL (CONT.)

SEE SHEET 3.1

EXIST. 60' PUBLIC ACCESS, DRAINAGE, PUBLIC
SANITARY SEWER & WATER LINE EASEMENTS
(11-14-05, 2005C-365)

DRAINAGE, PUBLIC SANITARY
SEWER & WATER LINE
EASEMENTS
(11-14-05, 2005C-365)

VALLE DE ATRISCO PROJECT

RR-4 WESTLAND SOUTH
(04-25-91, BK. 91-7, PG. 830-831)

GRADING OF POND AND ALL ASSOCIATED IMPROVEMENTS ARE PART OF THIS WORK ORDER

NOTES

- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
- THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
- SITE DOES NOT LIE IN A 100 YEAR FLOOD ZONE.
- ALL SITE WALLS SHALL CONFORM TO THE GENERAL HEIGHT AND DESIGN REGULATIONS CONTAINED IN SECTION 14-16-3-19 OF THE CITY ZONING CODE.
- COMBINATION GARDEN WALL/RETAINING WALL CANNOT EXCEED 8 FEET. IF THE RETAINING WALL IS GREATER THAN 4 FEET, THE DEVELOPER CAN ADD 3:1 SLOPES IN BACKYARD OR A SECOND RETAINING WALL OFFSET FROM THE FIRST ONE.

PHASING CONSTRUCTION NOTES:

- THIS GRADING AND DRAINAGE PLAN IS FOR THE DEVELOPMENT OF VALLE DE ATRISCO ONLY.
- THERE IS AN EXISTING RETENTION POND WEST OF THE PROJECT SITE (FUTURE TRACT RR-3-A-1) THAT WAS CONSTRUCTED TO INTERCEPT THE 100 YEAR FLOW VOLUME FROM THE ATRISCO HERITAGE ACADEMY SCHOOL WHICH THEN OVERFLOWS TO THE EXISTING ARROYO. THE EAST END OF THE POND WILL NEED TO BE BERMED TO ELEVATION 5124.0' THIS EXISTING RETENTION POND WILL THEN CONTAIN 2x THE 100 YEAR STORM VOLUME FROM THE SCHOOL SITE. THIS EXISTING POND WILL NEED TO REMAIN IN PLACE UNTIL THE PUBLIC STORM DRAIN SYSTEM THAT INTERCEPTS THE HIGH SCHOOL FLOWS IS CONSTRUCTED AND ACCEPTED BY THE CITY OF ALBUQUERQUE. THE PUBLIC STORM DRAIN SYSTEM WILL EXTEND EASTWARD THROUGH THE PROJECT SITE TO CEJA VISTA ROAD AND TO 98TH STREET, THEN SOUTH TO THE TEMPORARY POND.
- ONCE THE PUBLIC STORM DRAIN IS ACCEPTED THE EXISTING RETENTION POND CAN BE REPLACED BY THE NEW RETENTION POND AS SHOWN ON THIS GRADING AND DRAINAGE PLAN.
- THE RETENTION POND ON TRACT RR-3-B WILL PREVENT FLOWS FROM THIS TRACT FROM ENTERING THE FUTURE 98TH STREET PUBLIC ROW. THIS POND WILL REMAIN IN PLACE UNTIL THIS TRACT IS DEVELOPED.
- THE PUBLIC STORM DRAIN AND TEMPORARY CHANNEL ARE DESIGNED TO CONVEY THE DEVELOPED CONDITION FLOWS FROM VALLE DE ATRISCO, TRACT RR-3-B, FUTURE TRACT RR-3-A-1, 98TH STREET AND CEJA VISTA ROAD.
- THE TEMPORARY OFFSITE POND IS SIZED FOR DEVELOPED FLOWS ASSOCIATED WITH THE VALLE DE ATRISCO PROJECT ONLY WHICH INCLUDES 98TH STREET AND CEJA VISTA ROAD. AS TRACTS RR-3-B AND TRACT RR-3-A-1 DEVELOP THE OFFSITE RETENTION POND WILL BE MODIFIED AND ENLARGED TO RETAIN THESE ADDITIONAL STORM VOLUME.
- THE FIRST FLUSH VOLUME FROM VALLE DE ATRISCO PROJECT WAS CALCULATED TO BE 8,155.7 CUBIC FEET. THIS VOLUME WILL BE STORED IN THE OFFSITE RETENTION POND. WHEN THE FUTURE DOWNSTREAM STORM DRAIN IS CONSTRUCTED THIS FIRST FLUSH VOLUME SHALL CONTINUE TO BE ACCOUNTED FOR IN ANY AND ALL FUTURE DESIGN REVISIONS TO THIS POND.
- PRIOR TO CERTIFICATE OF OCCUPANCY, THE PUBLIC INFRASTRUCTURE SHALL BE CONSTRUCTED AND ACCEPTED BY THE CITY WHICH INCLUDES:
98TH STREET & CEJA VISTA ROAD IMPROVEMENTS,
PUBLIC STORM DRAIN FROM APS OUTFALL AT WEST PROPERTYLINE TO OUTFALL AT CEJA VISTA ROAD & 98TH STREET, TEMPORARY DRAINAGE CHANNEL & OFFSITE RETENTION POND.
- TEMPORARY RETENTION POND #1 SHALL BE COMPLETED & APPROVED C.O.A. HYDROLOGY PRIOR TO CERTIFICATE OF OCCUPANCY FOR VALLE DE ATRISCO.
- ALL PERIMETER RETAINING WALLS SHALL BE CONSTRUCTED SUCH THAT THE FOOTER SHALL REMAIN WITHIN PROJECT SITE AND NOT WITHIN ADJACENT RIGHT-OF-WAY OR PRIVATE PROPERTY.

LEGEND

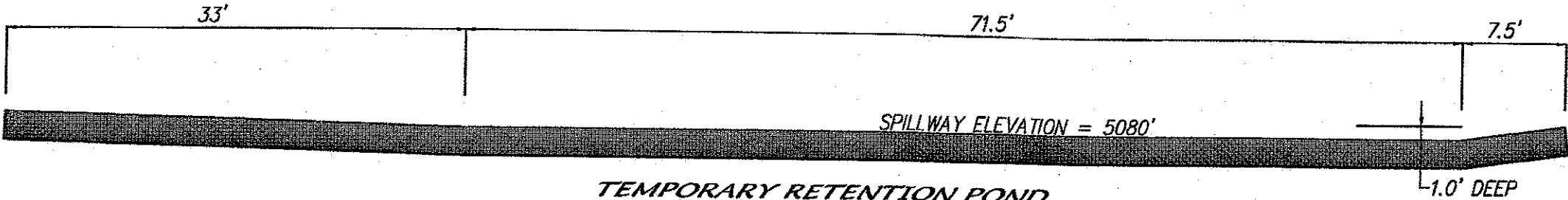
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING SPOT ELEVATION
- EXISTING TOP CURB/FLOWLINE ELEVATION
- EXISTING ASPHALT PAVEMENT
- EXISTING ELECTRIC TRANSFORMER
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING TRAFFIC SIGNAL PULLBOX
- EXISTING TELEPHONE MANHOLE
- EXISTING CATV PEDESTAL
- EXISTING STORM DRAIN MANHOLE
- NEW STANDARD CURB & GUTTER
- NEW MOUNTABLE CURB & GUTTER
- NEW RIGHT-OF-WAY
- NEW CENTERLINE
- NEW LOT LINES
- NEW EASEMENTS
- NEW TOP OF WALL ELEVATION
- NEW BOTTOM OF WALL ELEVATION
- NEW SPOT ELEVATIONS
- NEW FLOW DIRECTION
- NEW WATER BLOCK
- NEW RETAINING WALL (SEE NOTE 9)
- NEW GARDEN WALL
- NEW STORM DRAIN

SPECIAL DRAINAGE NOTE

THE OFFSITE TEMPORARY RETENTION POND SHALL REMAIN IN PLACE AND BE MAINTAINED PER COVENANT AGREEMENT UNTIL SUCH TIME THAT ALL DOWNSTREAM DRAINAGE INFRASTRUCTURE IS DESIGNED, APPROVED, CONSTRUCTED AND ACCEPTED BY THE CITY OF ALBUQUERQUE, AMAFCA AND BERNALILLO COUNTY.

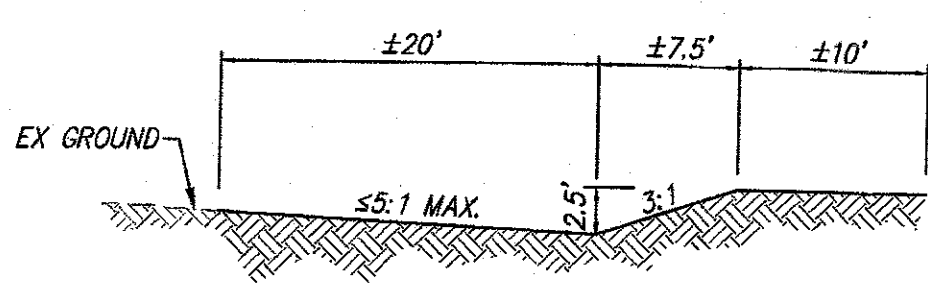
TEMPORARY RETENTION POND

REQUIRED POND VOLUME = 319,167 CU.FT.
DESIGN POND VOLUME = 322,742 CU.FT.
TOP OF POND = 5080.0
BOTTOM OF POND = 5068.7
POND SIDE SLOPES = 3:1
SPILLWAY ELEVATION AT 5080.0
WSEL(MAX) = 5079.9' (100-YR 10 DAY)
NOTE: POND AND STORM DRAIN DESIGNED FOR FULLY DEVELOPED FLOWS FROM ALL CONTRIBUTING SUB BASINS.
NOTE: POND VOLUME CAPACITY DESIGN IS FOR FULLY DEVELOPED FLOWS FOR THE 100-YEAR 10 DAY STORM EVENT.



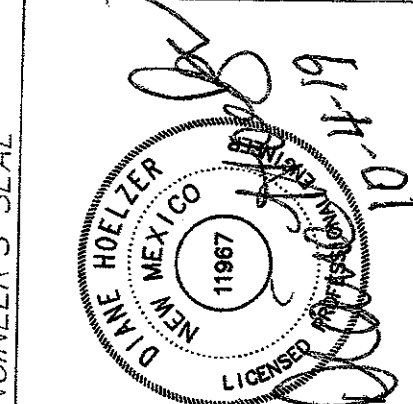
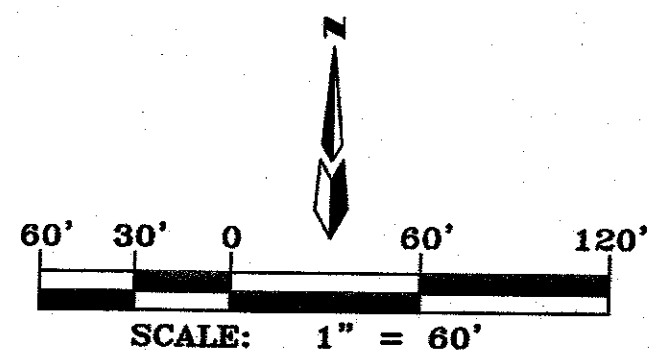
TEMPORARY RETENTION POND EMERGENCY SPILLWAY

(Qcap @ 1.0' DEPTH = 214.5 cfs)
(Q100 = 142 cfs) (DEPTH = 0.76')



DIVERSION BERM A-A TYPICAL SECTION

SCALE: 1" = 10'



ENGINEER'S SEAL

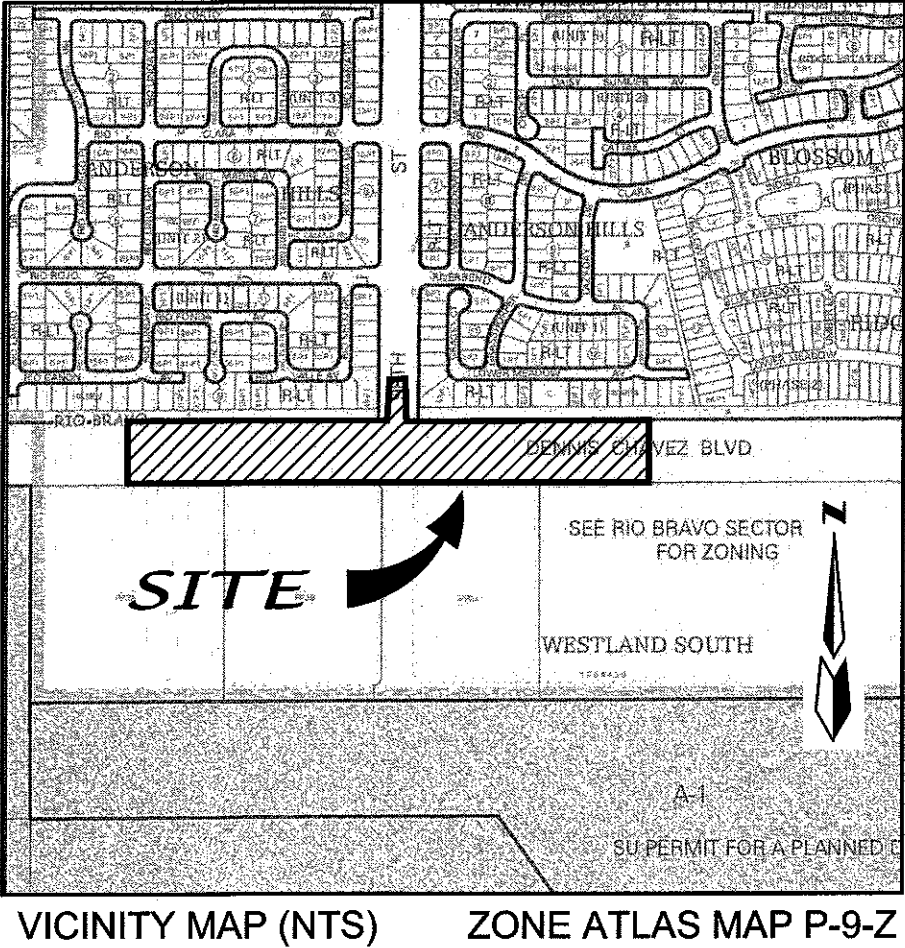
NO.	DATE	REVISIONS	BY
1	10/18	DESIGN	DLH
2	10/18	DER	DER
3	10/18	DWG	DWG

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CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

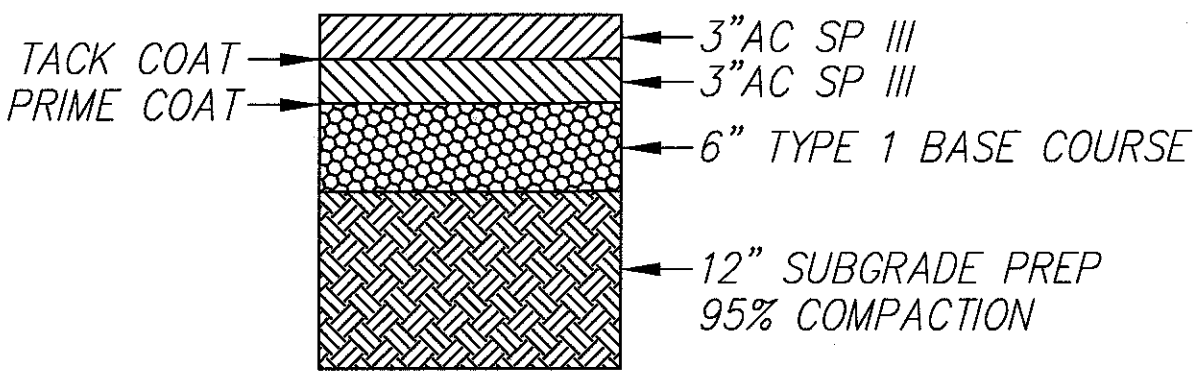
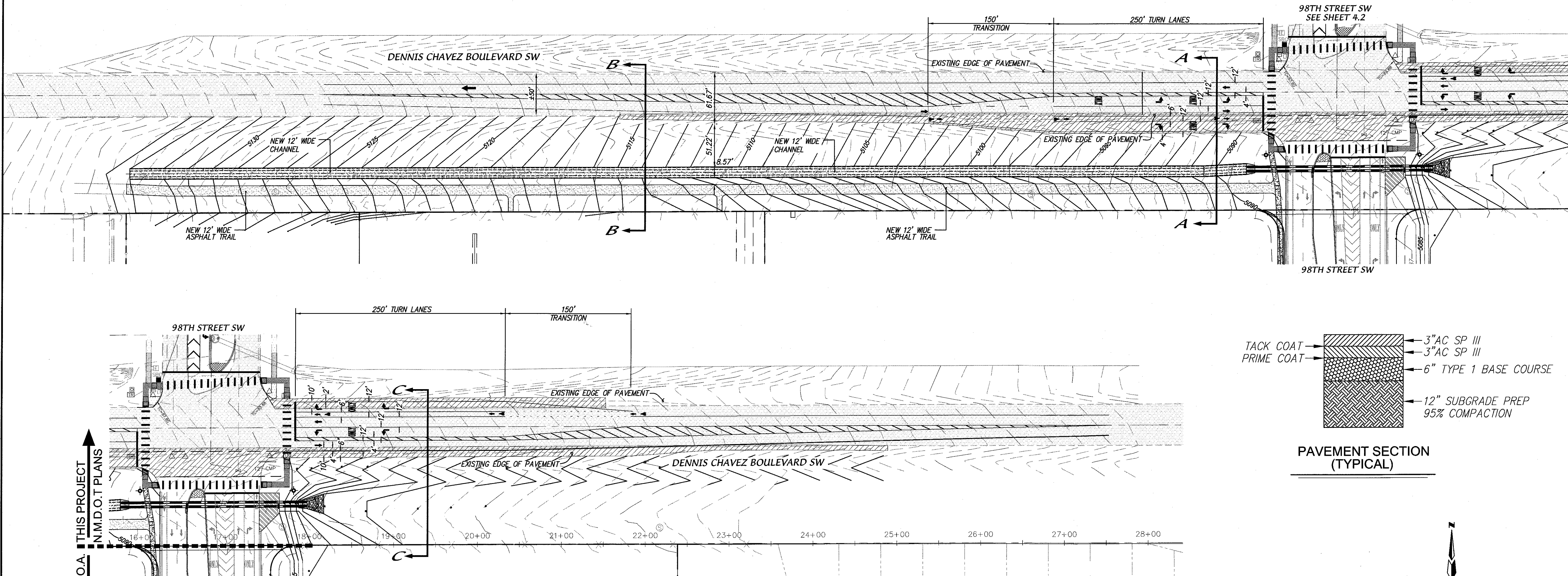
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: Ceja Vista Unit 1 Updated Master Drainage Plan	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
NOT PART OF 614195 WORK ORDER	
CITY PROJECT NO. 614195	ZONE MAP NO. P-9-Z
SHEET 3.3	OF 25

NOTES

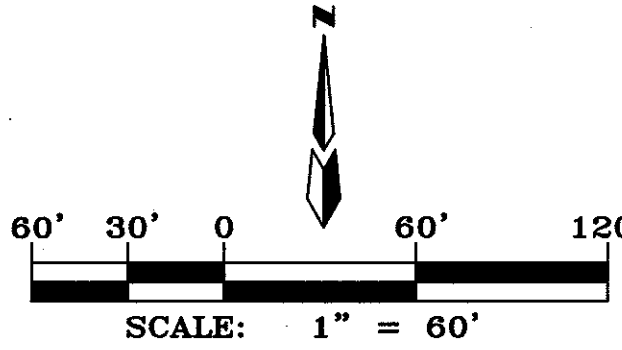
1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. ALL WORK WITHIN NMDOT ROW SHALL FOLLOW NMDOT SPECIFICATIONS AND STANDARD DRAWINGS AS LISTED IN THE COVER SHEET.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. SITE DOES NOT LIE IN A 100 YEAR FLOOD ZONE.
7. ALL SITE WALLS SHALL CONFORM TO THE GENERAL HEIGHT AND DESIGN REGULATIONS CONTAINED IN SECTION 14-16-3-19 OF THE CITY ZONING CODE.
8. COMBINATION GARDEN WALL/RETAINING WALL CANNOT EXCEED 8 FEET. IF THE RETAINING WALL IS GREATER THAN 4 FEET, THE DEVELOPER CAN ADD 3:1 SLOPES IN BACKYARD OR A SECOND RETAINING WALL OFFSET FROM THE FIRST ONE.



VICINITY MAP (NTS) ZONE ATLAS MAP P-9-Z



PAVEMENT SECTION (TYPICAL)



LEGEND

- 60' EXISTING CONTOUR (MAJOR)
- 58' EXISTING CONTOUR (MINOR)
- 00.0 EXISTING SPOT ELEVATION
- TC= EXISTING TOP CURB/FLOWLINE ELEVATION
- FL= EXISTING ASPHALT PAVEMENT
- [Symbol] EXISTING ELECTRIC TRANSFORMER
- E-E EXISTING OVERHEAD ELECTRIC LINE
- [Symbol] EXISTING POWER POLE
- [Symbol] EXISTING LIGHT POLE
- [Symbol] EXISTING TRAFFIC SIGNAL PULLBOX
- [Symbol] EXISTING TELEPHONE MANHOLE
- [Symbol] EXISTING CATV PEDESTAL
- [Symbol] EXISTING STORM DRAIN MANHOLE
- [Symbol] NEW STANDARD CURB & GUTTER
- [Symbol] NEW MOUNTABLE CURB & GUTTER
- [Symbol] NEW RIGHT-OF-WAY
- [Symbol] NEW CENTERLINE
- [Symbol] NEW LOT LINES
- [Symbol] NEW EASEMENT
- [Symbol] NEW RETAINING WALLS (BY OTHERS)
- [Symbol] NEW UNI-DIRECTIONAL RAMPS WITH TRUNCATED DOWNS PER COA STD. DWG 2426
- [Symbol] NEW STREET LIGHT

BUILT WITH C.O.A. THIS PROJECT N.M.D.O.T. PLANS CPN #614193

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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

DESIGNED BY **DER** DATE **11/19**
DRAWN BY **DER** DATE **11/19**
CHECKED BY **DMG** DATE **11/19**

NEW MEXICO DEPARTMENT OF TRANSPORTATION

TITLE: **DENNIS CHAVEZ BLVD. (NMSR 500)**
MASTER PAVING PLAN - EAST & WEST

APPROVED
MAY 19, 2023
DESIGN REVIEW COMMITTEE

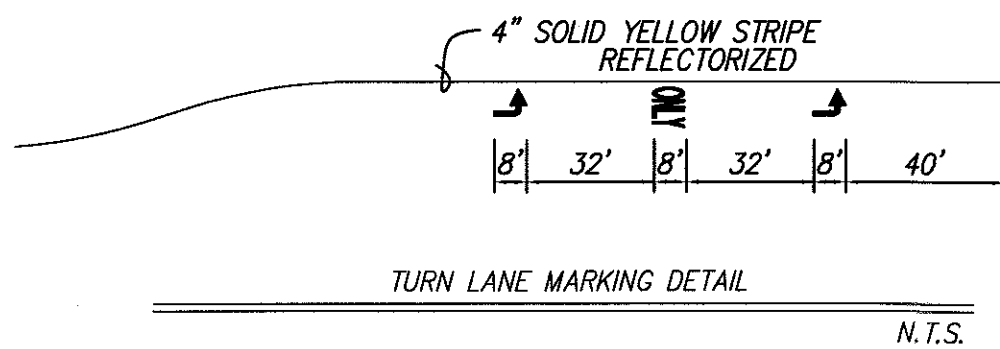
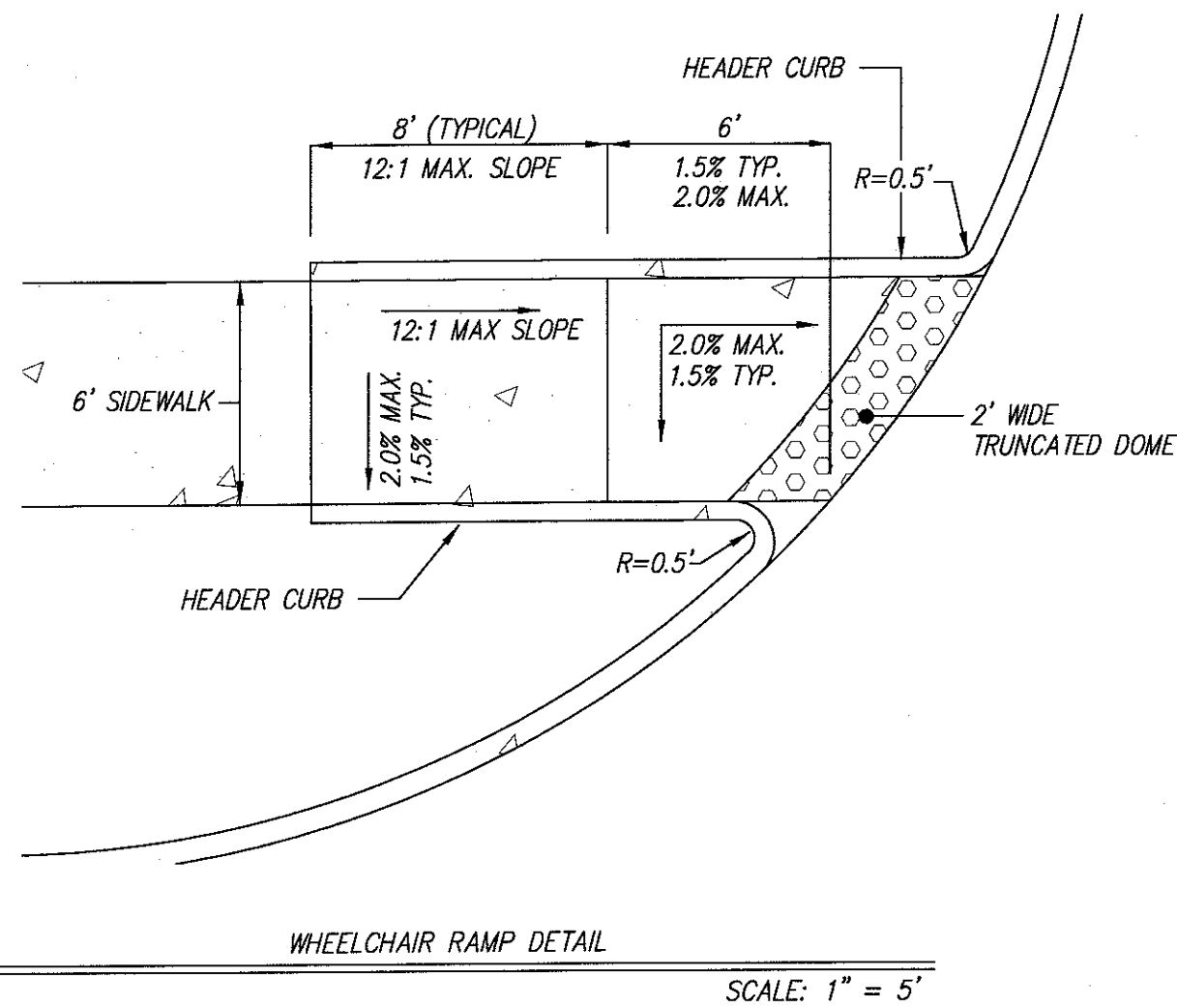
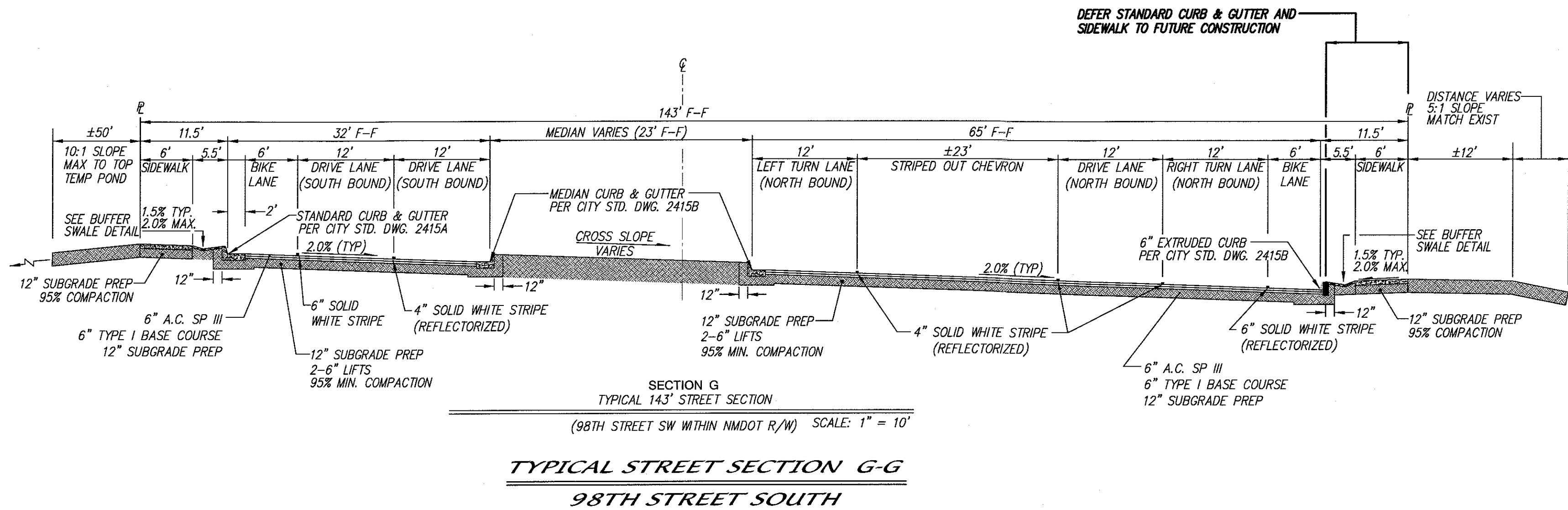
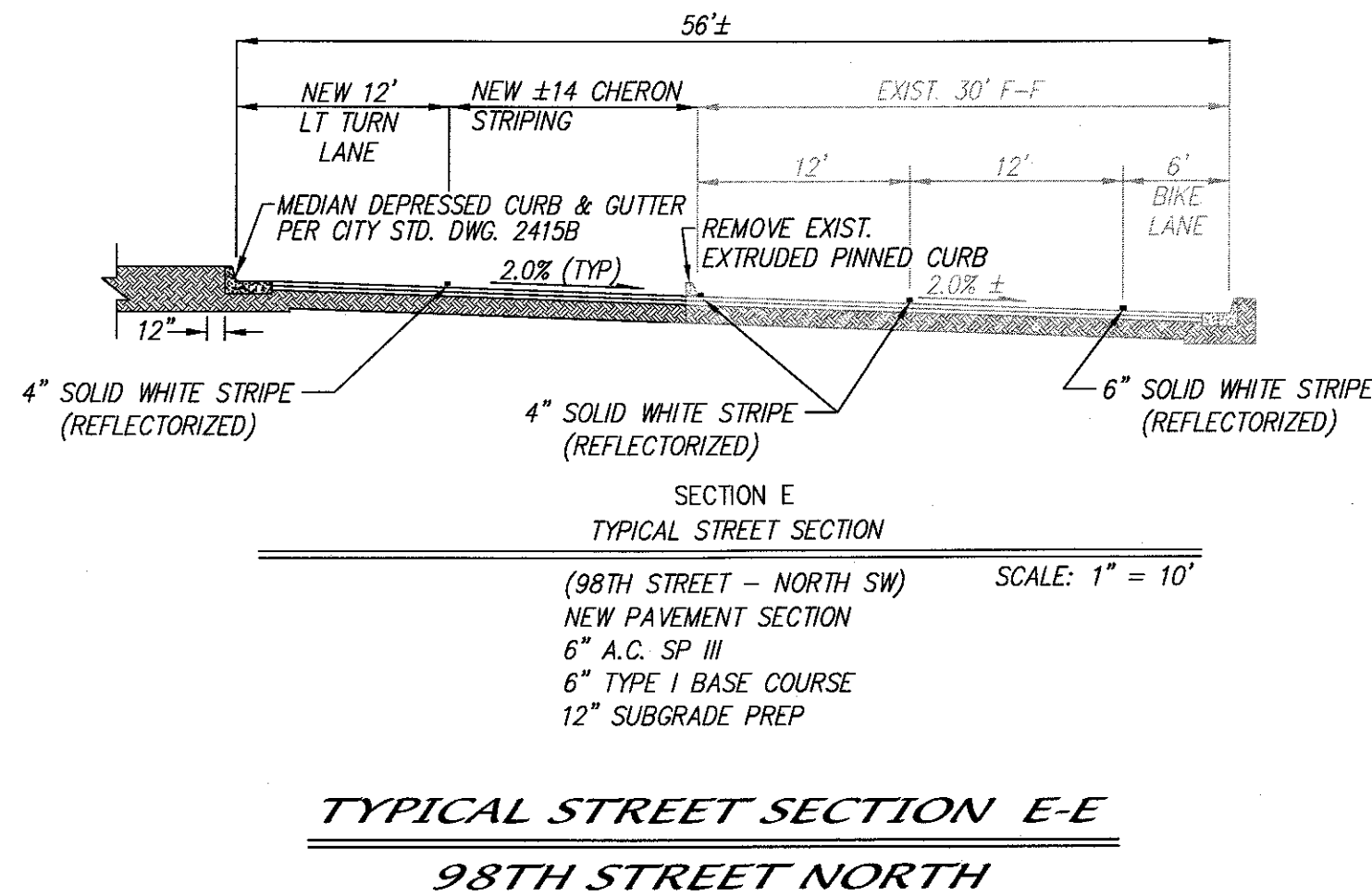
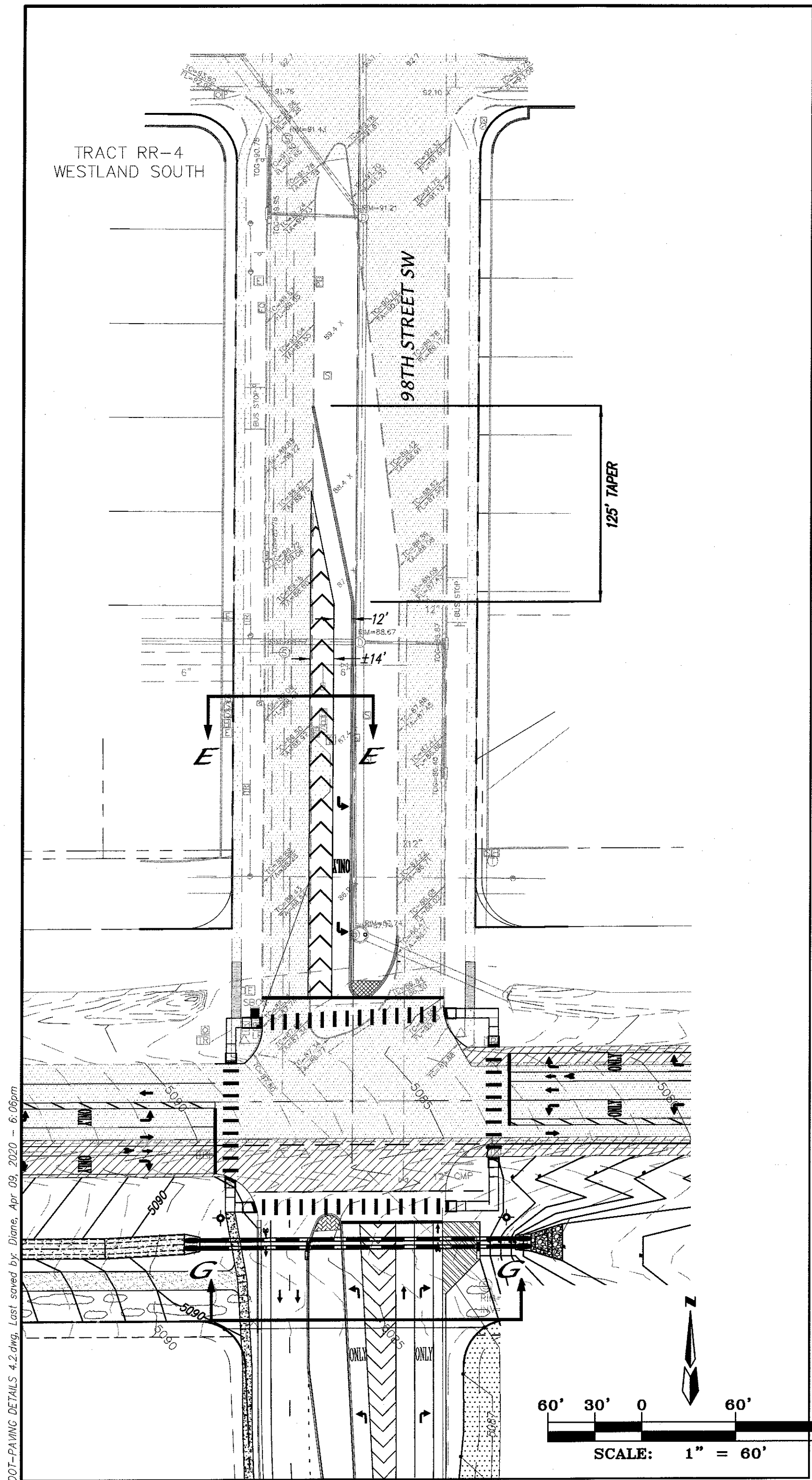
APPROVED
June 11, 2023
CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

NMDOT PROJECT NO. **614195** ZONE MAP NO. **P-9-Z** SHEET **4.1** OF **25**

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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION				
DESIGNED BY DER	DATE 11/19	REMARKS REVISIONS DESIGN	NO.	DATE	AGRS Brass Cap stamped "ACS BM 4-Pg" From the intersection of Dennis Chavez Boulevard and Coors Boulevard sw. travel west on Dennis Chavez Boulevard 1.80 miles to the benchmark on the right. The cap is on the south top of a concrete channel.	CONTRACTOR	DATE			
								BY	WORK ORDERED BY	DATE
									INSPECTOR'S ACCEPTANCE BY	DATE
									VEGETATION BY	DATE
									DRAWINGS BY	DATE
CHECKED BY DWG	DATE 11/19				Geographic Position in feet (NAD83) N.M. State Plane Coordinates (Central Zone) Elevation in feet (NAD83) = 5128.396	CORRECTED BY	DATE			
						RECORDED BY	DATE			
						NO.				

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ALBUQUERQUE, NEW MEXICO 87199
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NEW MEXICO DEPARTMENT OF TRANSPORTATION
TITLE: **DENNIS CHAVEZ BLVD. (NMSR 500)
98TH STREET NORTH &
PAVING PLAN DETAILS**

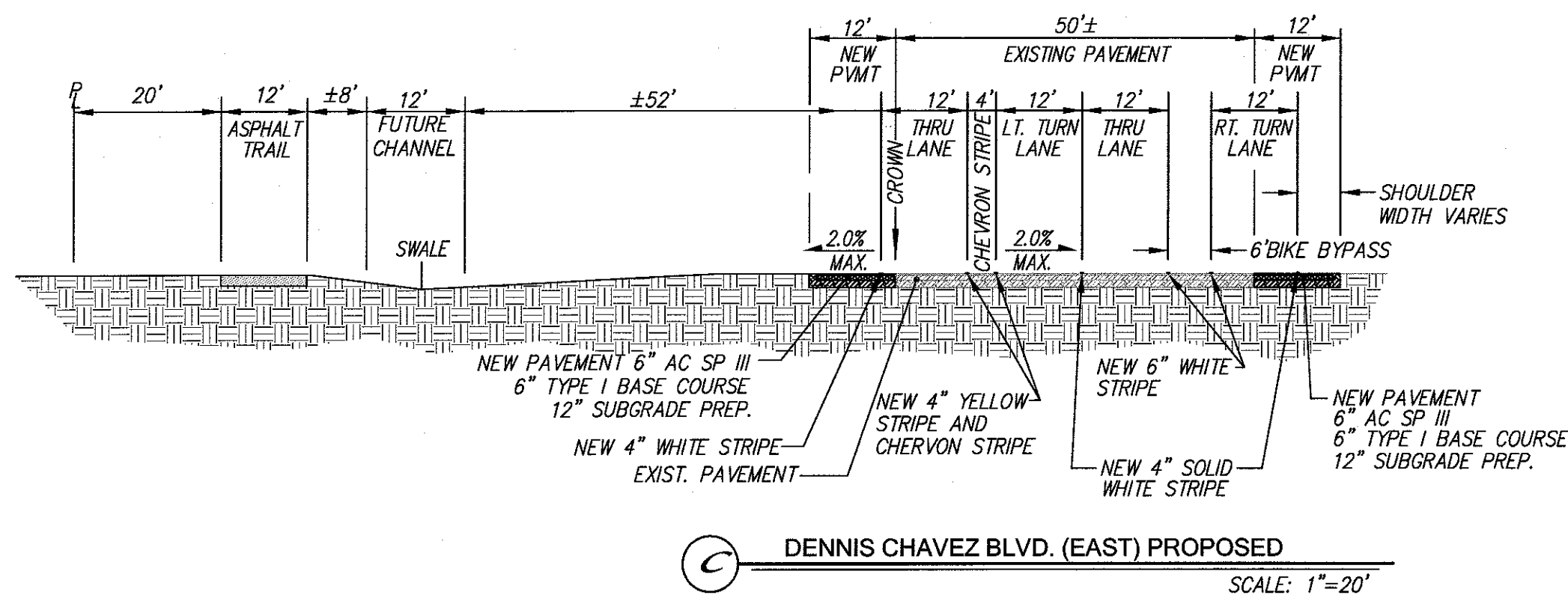
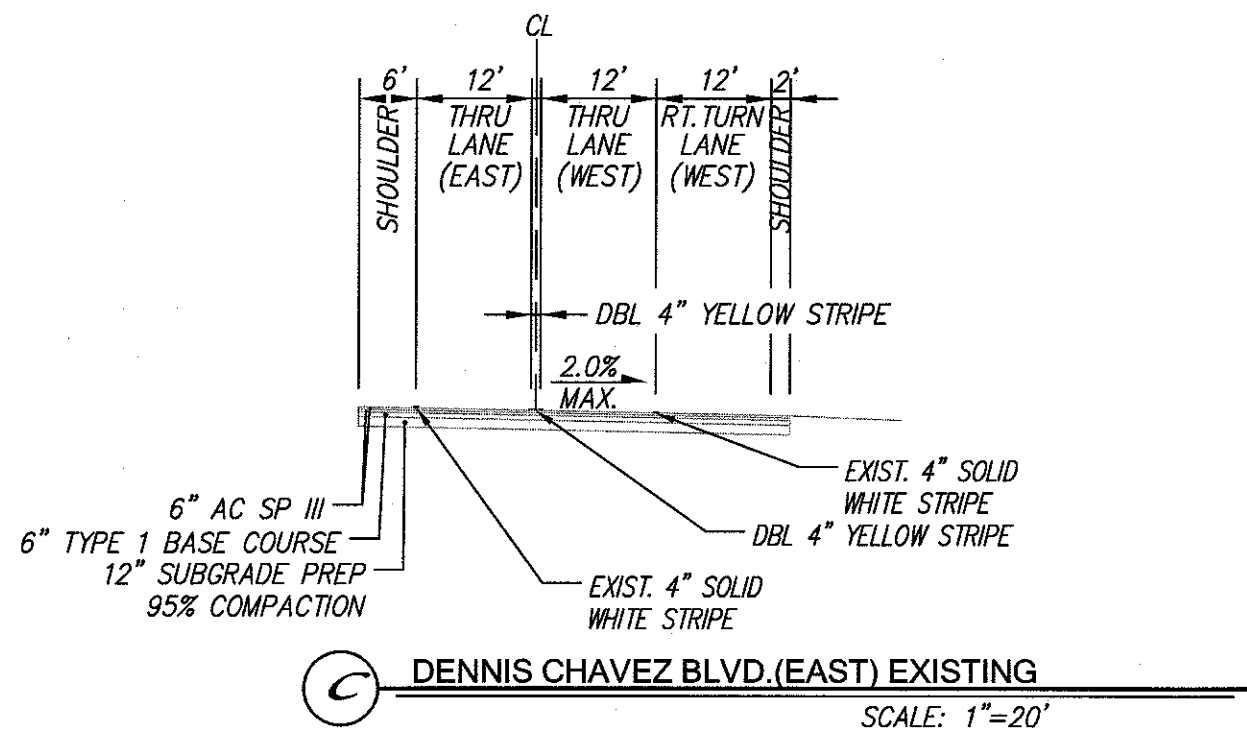
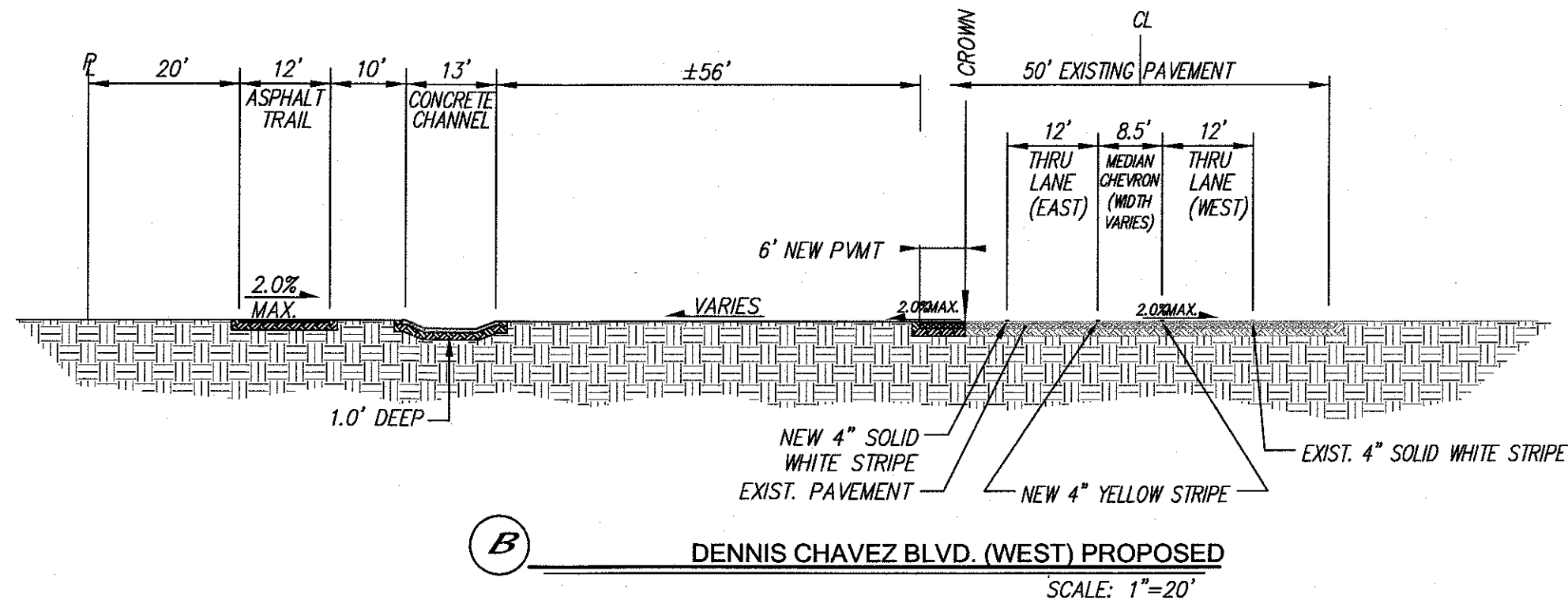
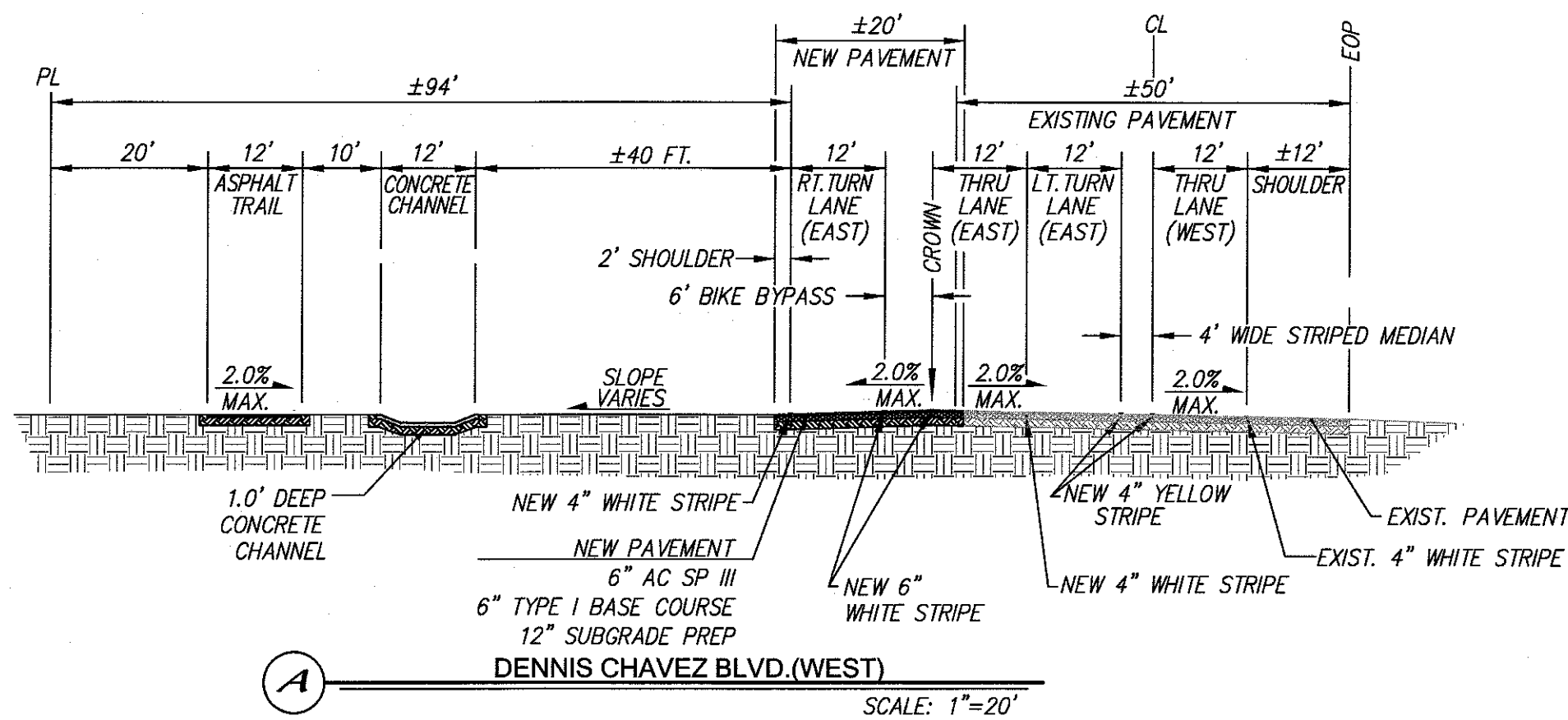
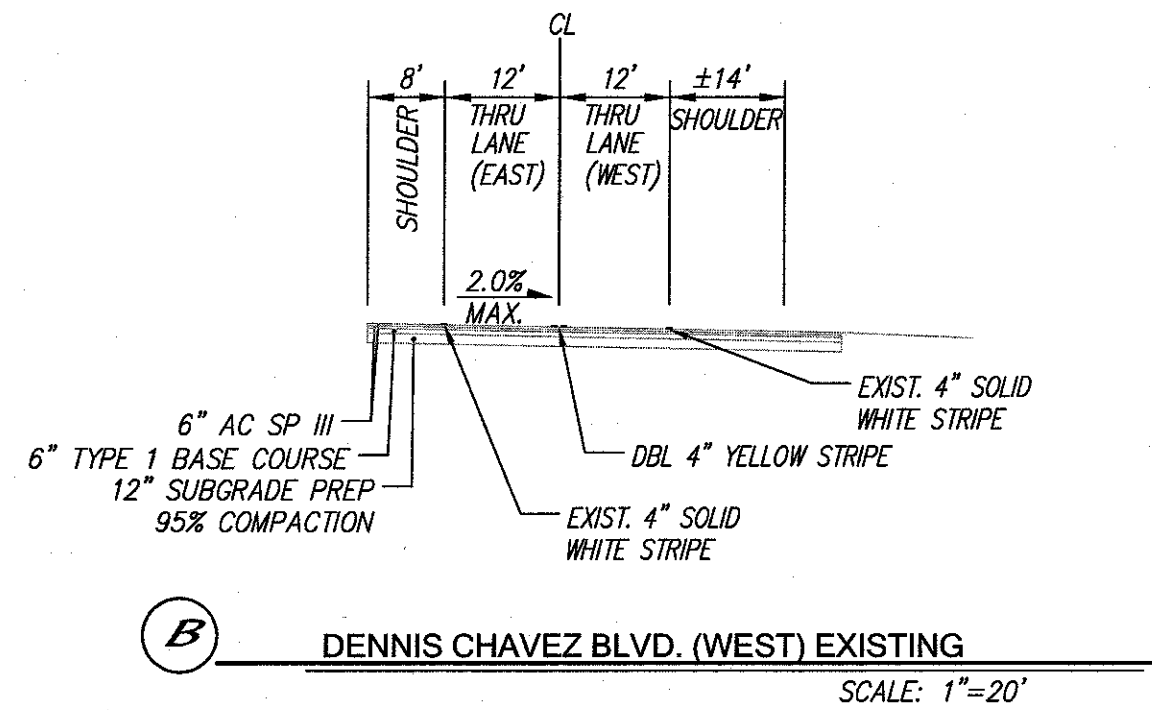
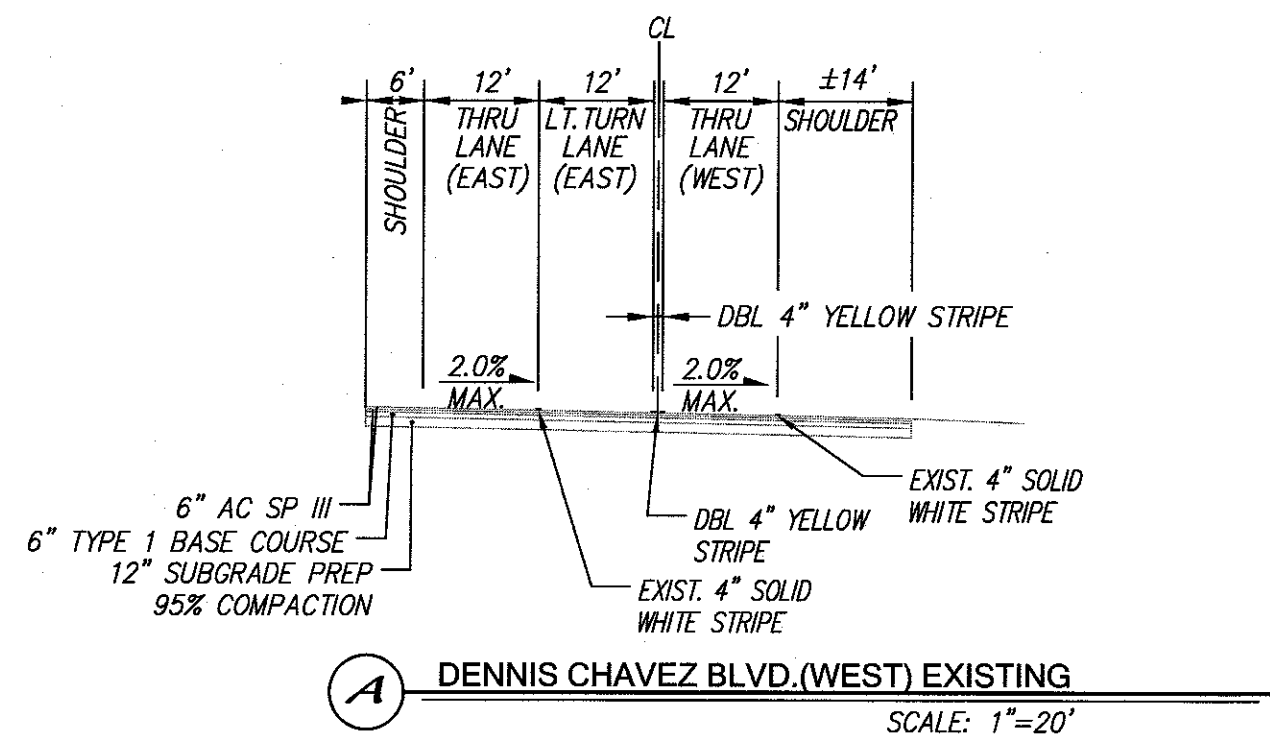
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

NO.	DATE	REMARKS

MO./DAY/YR.	MO./DAY/YR.

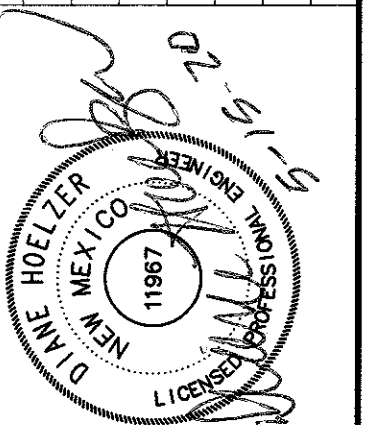
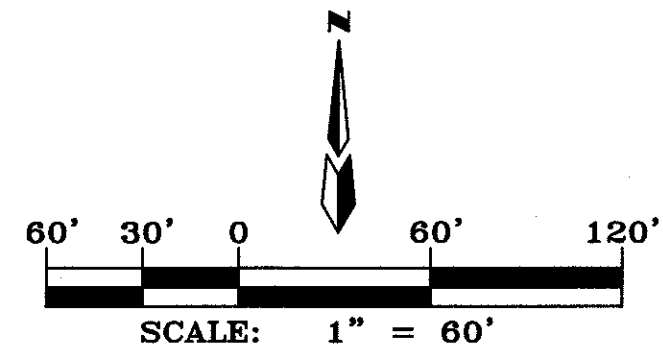
DESIGN REVIEW COMMITTEE	CITY ENGINEER
May 19, 2023	June 11, 2023

NMDOT PROJECT NO.	ZONE MAP NO.	SHEET	OF
614195	P-9-Z	4.2	25

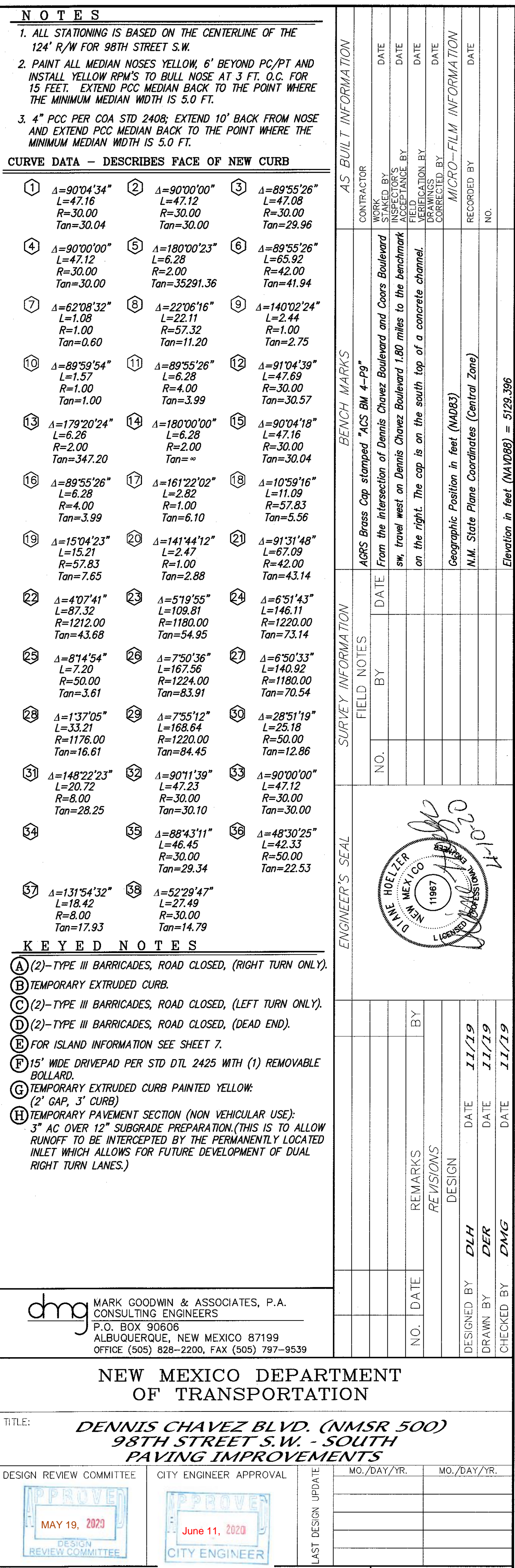


GENERAL N.M.D.O.T. NOTES:

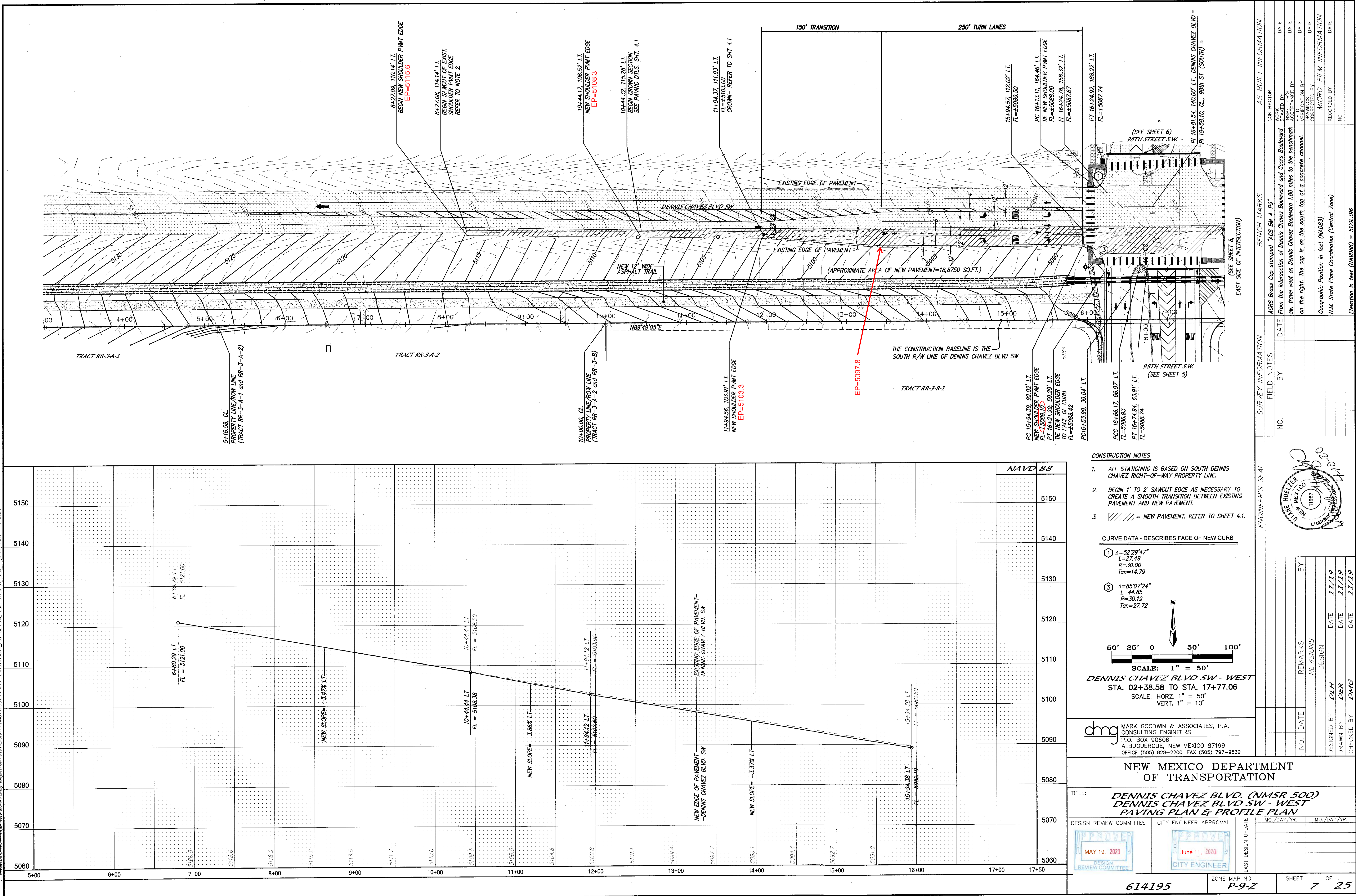
1. FOR TEMPORARY TRAFFIC CONTROL GENERAL NOTES REFER TO NMDOT STANDARD DRAWINGS 702-01-1/5 THRU 5/5.
2. FOR PERMANENT SIGNING AND STRIPING NOTES, REFER TO NMDOT STANDARD SIGNING AND STRIPING NOTES, (REV. AUG 2015).



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NEW MEXICO DEPARTMENT OF TRANSPORTATION	
TITLE: DENNIS CHAVEZ BLVD. (NMSR 500) MASTER PAVING PLAN - TYPICAL DETAILS	
DESIGNED BY DER	DATE 11/19
DRAWN BY DER	DATE 11/19
CHECKED BY DMG	DATE 11/19
NO.	DATE
REMARKS	BY
DESIGN	
REVISIONS	
MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE	
MAY 19, 2020	
JUNE 11, 2020	
CITY ENGINEER	
NMDOT PROJECT NO.	ZONE MAP NO.
614.195	P-9-Z
SHEET	OF
4.3	25



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- CONSTRUCTION NOTES**
1. ALL STATIONING IS BASED ON SOUTH DENNIS CHAVEZ RIGHT-OF-WAY PROPERTY LINE.
 2. BEGIN 1' TO 2' SAWCUT EDGE AS NECESSARY TO CREATE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT.
 3. = NEW PAVEMENT. REFER TO SHEET 4.1.

CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta=52^{\circ}29'47''$
 $L=27.49$
 $R=30.00$
 $\tan=14.79$

③ $\Delta=85^{\circ}07'24''$
 $L=44.85$
 $R=30.19$
 $\tan=27.72$

SCALE: 1" = 50'

DENNIS CHAVEZ BLVD SW - WEST
STA. 02+38.58 TO STA. 17+77.06
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

NEW MEXICO DEPARTMENT OF TRANSPORTATION

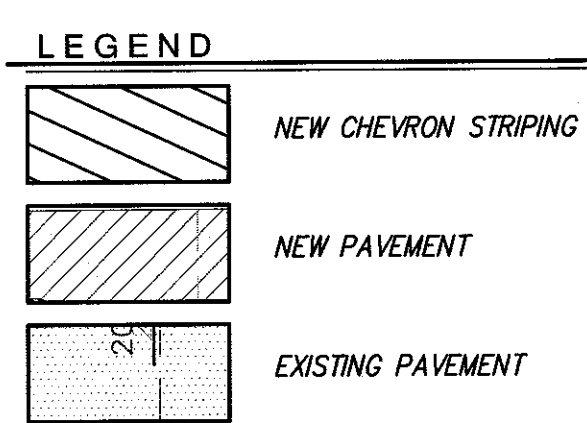
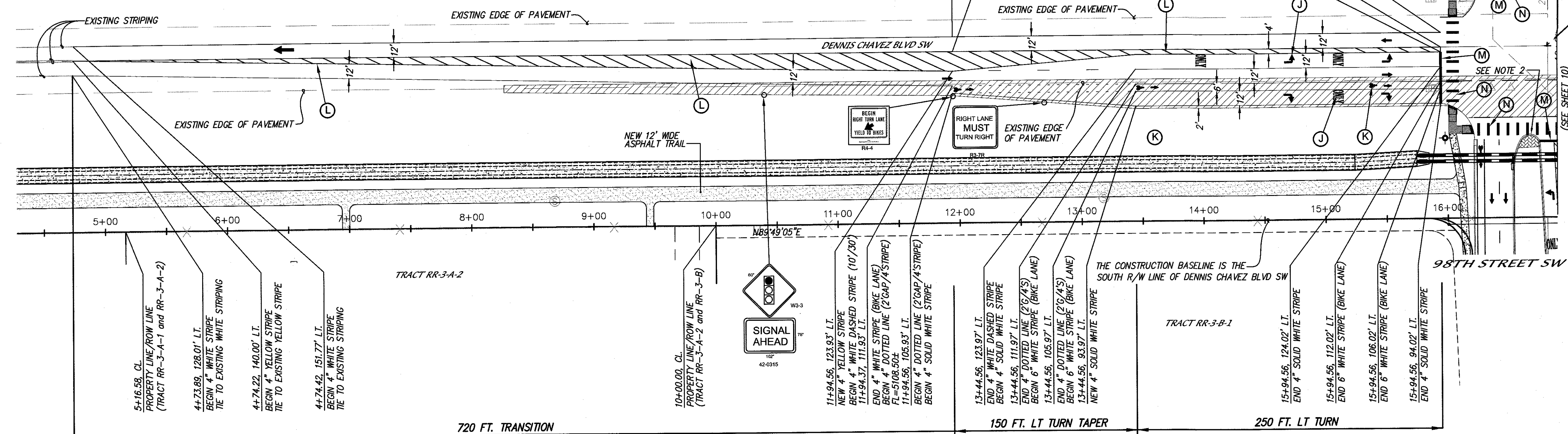
TITLE: **DENNIS CHAVEZ BLVD. (NMSR 500)
DENNIS CHAVEZ BLVD SW - WEST
PAVING PLAN & PROFILE PLAN**

DESIGN REVIEW COMMITTEE:
CITY ENGINEER APPROVAL:

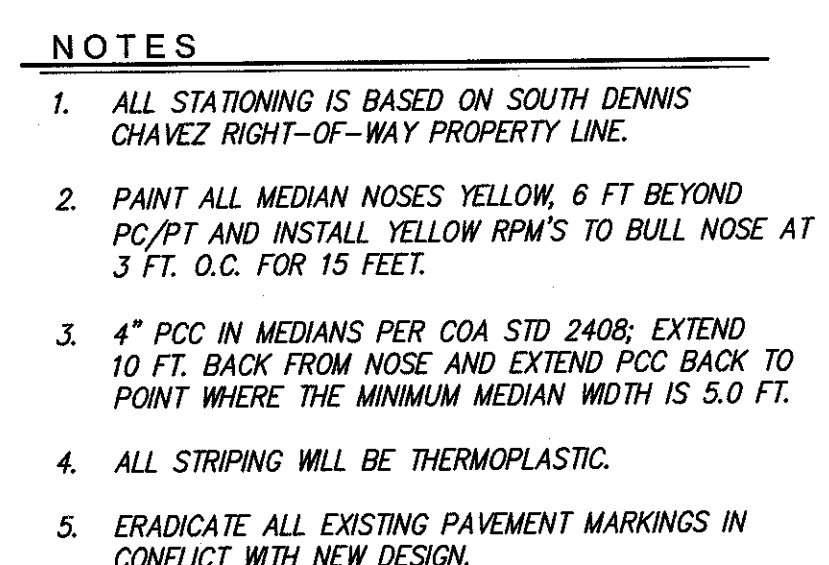
DESIGNED BY: **DLH** DATE: **11/19**
DRAWN BY: **DER** DATE: **11/19**
CHECKED BY: **DWG** DATE: **11/19**

ZONE MAP NO. **614195** SHEET **7** OF **25**



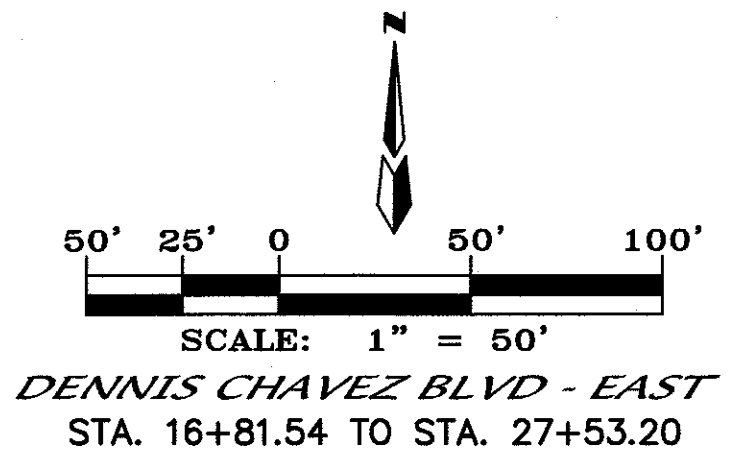


- SCALE: 1"=20'
- (J) SEE DETAIL.
- (K) SEE DETAIL.
- (L) CHEVRON STRIPING: 4" WIDE STRIPE AT 40', 30' CENTER TO CENTER OF STRIPE PER STANDARD DRAWING SPACING REQUIREMENTS - 704-03-212.
- (M) 24" STOP BAR.
- (N) CROSSWALK: 24" WIDE STRIPE, 6' SPACING.

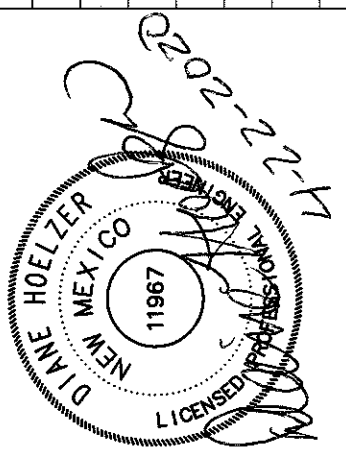


NMDOT PROJECT NO.	ZONE MAP NO.	SHEET	OF
614195	P-9-Z	9	25

[illegible]

[illegible]

ENGINEER'S SEAL

[illegible]

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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

TITLE: DENNIS CHAVEZ BLVD. (NMSR 500)
DENNIS CHAVEZ BLVD SW- EAST
STRIPING & SIGNAGE PLAN



ST DESIGN UPDATE

NMDOT PROJECT NO.

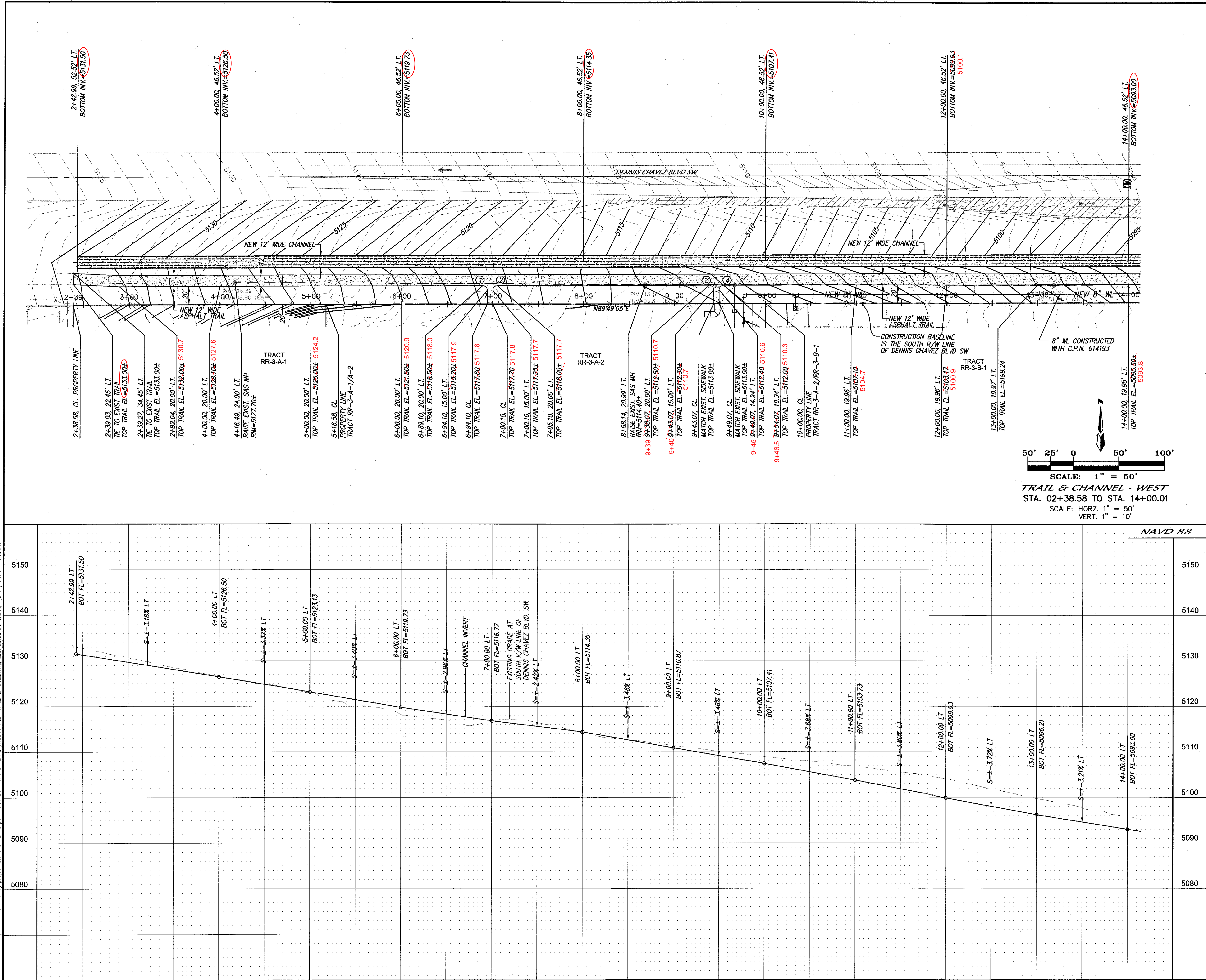
614195

ZONE MAP NO.

SHEET OF
10 25

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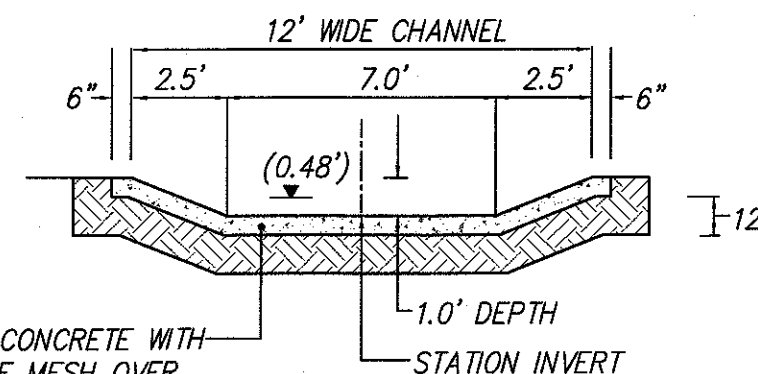
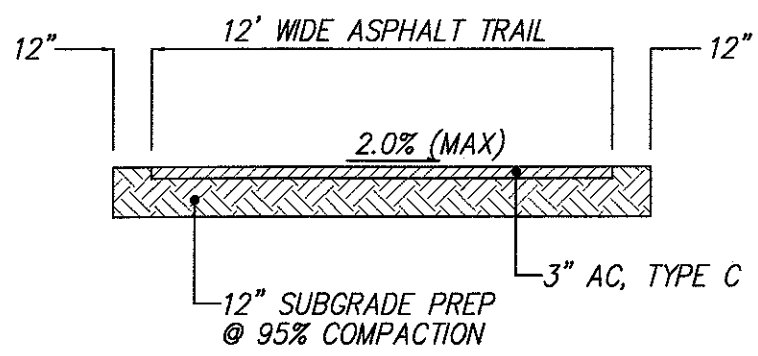


NOTES

1. ALL STATIONING IS BASED ON THE SOUTH RIGHT-OF-WAY LINE OF DENNIS CHAVEZ BLVD S.W. AS SHOWN.

CURVE DATA - DESCRIBES EDGE OF TRAIL/SIDEWALK

- ① $\Delta=90'00'00''$
 $L=7.85$
 $R=5.00$
 $\tan=5.00$
- ② $\Delta=90'00'00''$
 $L=7.85$
 $R=5.00$
 $\tan=5.00$
- ③ $\Delta=90'00'00''$
 $L=7.85$
 $R=5.00$
 $\tan=5.00$
- ④ $\Delta=90'00'00''$
 $L=7.85$
 $R=5.00$
 $\tan=5.00$



50' 25' 0 50' 100'
SCALE: 1" = 50'
TRAIL & CHANNEL - WEST
STA. 02+38.58 TO STA. 14+00.01
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

4" CONCRETE WITH WIRE MESH OVER 12" SUBGRADE PREP

CHANNEL DETAIL TYPICAL CROSS SECTION

SCALE: 1"=5'

$Q_{100} = 32.85$ cfs
 $V = 8.35$ fps
 $D = 0.48$ ft.

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ALBUQUERQUE, NEW MEXICO 87199
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NEW MEXICO DEPARTMENT OF TRANSPORTATION

TITLE: **DENNIS CHAVEZ BLVD. (NMSR 500) TRAIL & CHANNEL - WEST PLAN & PROFILE**

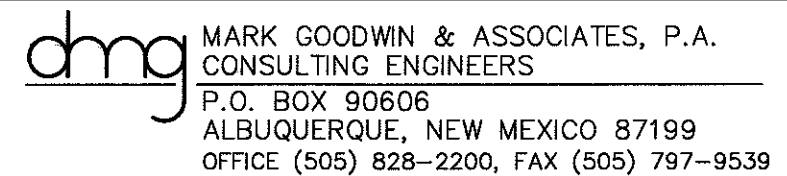
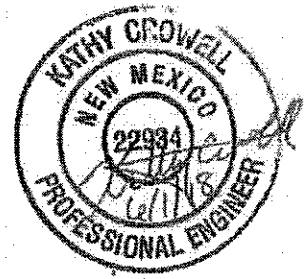
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

614195

ZONE MAP NO. **P-9-Z**

SHEET **11** OF **25**

DENNIS CHAVEZ BLVD - EAST
STA. 14+00.00 TO STA. 17+96.91
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CITY ENGINEER APPROVAL

APPROVED

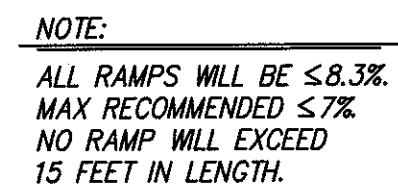
June 11, 2020

CITY ENGINEER

[illegible]



SCALE: 1"=10'



SCALE: 1"=10'



SCALE: 1"=10'



SCALE: 1"=10'

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TRAFFIC SIGNAL NOTES

1. ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), NATIONAL ELECTRIC CODE, THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS, AND THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (UPDATED IN APRIL 2011).

2. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND MAY BE ADJUSTED IN THE FIELD TO PROVIDE MAXIMUM CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND/OR TO CLEAR EXISTING UTILITIES.

3. CONSTRUCTION OF NEW FOUNDATIONS SHALL BE COORDINATED WITH OTHER CONSTRUCTION ACTIVITIES TO ASSURE THAT THE TOPS OF ALL FOUNDATIONS ARE FLUSH WITH ADJACENT SIDEWALK, THAT ALL STRAIGHT SIDES ARE PARALLEL TO SIDEWALK JOINTS AND BACK OF CURBS, AND THAT FOUNDATIONS WILL BE OUTSIDE OF RAMP SLOPES.

4. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT WHEN APPLICABLE.

5. THE CONTRACTOR SHALL BORE, DRILL, OR PUSH CONDUITS WHEN CROSSING EXISTING PAVEMENTS AND ANY DRIVEWAYS FOR SIDE STREET CROSSINGS. BEFORE CONDUIT CAN BE BORED, DRILLED OR PUSHED, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL LINES THAT CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN UNTIL AFTER THE BORE IS COMPLETE. THE CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.

6. ALL PULL BOXES SHALL BE REINFORCED POLYMER MORTAR HEAVY DUTY TYPE WITH REINFORCED POLYMER MORTAR HEAVY DUTY COVERS. CONCRETE COVERS, METAL COVERS, AND CONCRETE PULL BOXES WILL NOT BE ACCEPTABLE. (SEE STANDARD DETAIL DRAWING 2550).

7. WATERTIGHT SPLICING OF TRAFFIC SIGNALS MULTI-CONDUCTOR CABLE WILL BE PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES. SPLICING OF RADAR DETECTION COAXIAL CABLE AND PREEMPTION DETECTOR CABLE WILL NOT BE PERMITTED FROM THE FIELD UNIT TO THE CONTROLLER CABINET.

8. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC OPERATIONS (505) 857-8044 THREE (3) WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, AND MUST BE PRESENT WHEN SIGNALS AND LIGHTING ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC OPERATIONS (505) 857-8044 EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPENED.

9. ALL CONDUIT GROUNDS SHALL BE INSULATED GREEN #6 AWG CONDUCTORS IN LIEU OF THE SPECIFIED BARE COPPER.

10. LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL UNUSED CONDUCTORS SHALL BE CAPPED AND WATER PROOFED WITH CRIMPED ON NYLON WIRE CAPS.
12. ALL COPPER SPLICES SHALL USE SILICONE GEL FILLED WIRE NUTS.

13. IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.

14. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL PROGRAM THE TRAFFIC SIGNAL CONTROLLER WITH THE TRAFFIC SIGNAL TIMING PLANS PROVIDED BY THE DESIGN ENGINEER.

15. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED. IF EXISTING CONDUIT IS NOT UTILIZED, TRACER WIRE SHOULD BE INSTALLED.

16. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.

17. EXISTING SIDEWALKS IMPACTED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.

18. THE CONTRACTOR SHALL ARRANGE TO HAVE OFF-DUTY POLICE OFFICERS DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.

19. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS WHICH MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING, IF NECESSARY, TO MORE POSITIVELY LOCATE UTILITY LINES. COST OF LOCATING UTILITY LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

20. ANY TRAFFIC SIGNAL EQUIPMENT REMOVED AND NOT RELOCATED SHALL BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE WITH PROPER DOCUMENTATION (LETTER OF TRANSMITTAL). THE COST SHALL BE INCIDENTAL TO THE PROJECT.

21. THE CONTRACTOR SHALL TAKE DIGITAL PHOTOS OF EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ANY REMOVALS OF SIGNAL EQUIPMENT AND ALL SIGNAL EQUIPMENT AFTER CONSTRUCTION. THE PICTURES SHALL BE PROVIDED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS IN .JPG FORMAT AND PLACED ON A USB DRIVE. THE USB DRIVE SHALL BECOME THE PROPERTY OF THE CITY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT. ALL REMOVED EXISTING TRAFFIC SIGNAL EQUIPMENTS INCLUDING BUT NOT LIMITED TO POLES, SIGNAL HEADS, CONTROLLER CABINETS, CONFLICT MONITORS, AND DETECTORS SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE WITH PROPER DOCUMENTATION (LETTER OF TRANSMITTAL).

22. NEW TRAFFIC SIGNAL POLES SHALL BE CITY OF ALBUQUERQUE STANDARD TYPE II OR TYPE III GALVANIZED STEEL. ALUMINUM POLES MAY BE USED ONLY WHEN PRE-APPROVED BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS.

23. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL CONDUCTORS IN THE FIELD FOR CONSISTENCY PURPOSES PRIOR TO WIRING OF SIGNAL INFRASTRUCTURE.

24. WHERE POLES ARE PLACED AT BACK OF CURB RAMP OR SIDEWALK, SIGNAL POLE TO BE POURED INTEGRALLY WITH HEADER CURB SO POLE IS FLUSH WITH FACE OF CURB TO MEET PROWAG REQUIREMENTS.

25. ALL PEDESTRIAN PUSH BUTTON LOCATIONS SHALL BE ADA COMPLIANT AND BE INSTALLED AT A HEIGHT OF 36 INCHES FROM FINISHED GRADE. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED NO MORE THAN 10 INCHES HORIZONTALLY FROM THE SIDEWALK OR THE PEDESTRIAN REFUGE AREA OF A MEDIAN.

26. PEDESTRIAN PUSH BUTTON SIGNS SHALL BE INSTALLED WITH THE ARROW POINTING IN THE DIRECTION OF THE PEDESTRIAN MOVEMENT.

27. CONTRACTOR SHALL PROVIDE GIS DATA OF ALL SIGNAL AND ITS EQUIPMENT UPON COMPLETION OF CONSTRUCTION. THIS SHALL BE INCIDENTAL TO THE INSTALLATION OF EACH RESPECTIVE ITEM.

28. CONTRACTOR SHALL PROVIDE NEW MEXICO PROFESSIONAL ENGINEER SEALED FOUNDATION DESIGN FOR ITEM 422.022 AND ITEM 422.023. THIS SHALL BE INCIDENTAL TO ITEMS 422.022 AND 422.023.

TRAFFIC SIGNAL LEGEND

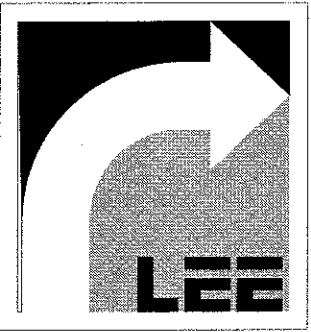
NEW	EXISTING	ITEM
		PULL BOX
		SERVICE POLE WITH RISER
		METER PEDESTAL
		CONTROLLER CABINET
		SPLICE CABINET
		CONDUIT RUN (SIGNALS)
		CONDUIT RUN (FIBER)
		RIGHT-OF-WAY
		TRAFFIC SIGNAL PEDESTAL POLE
		TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL, & BACKPLATE
		TYPE III STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, & LUNIMAIRE
		PEDESTRIAN COUNTDOWN SIGNALS ON PEDESTAL POLE (PUSHBUTTONS MOUNTED ON SIDE OF POLE WHERE INDICATED)
		RADAR DETECTOR
		CCTV CAMERA

ABBREVIATIONS

MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NO.
CC1	CONTROL CABINET NUMBER
SC1	SPLICE CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
DET	VEHICLE DETECTION RADAR
OPT	OPTICOM DETECTOR
FY	FLASHING YELLOW ARROW
SY	SOLID YELLOW ARROW

SYMBOL KEY

	SIGNAL & CABINET ID
	CONDUIT RUN ID (SIGNALS)
	CONDUIT RUN ID (POWER)
	EXISTING CONDUIT RUN



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *CEJA VISTA OFF-SITE INFRASTRUCTURE
SIGNAL GENERAL NOTES & LEGEND*



MO./DAY/YR.	MO./DAY/YR.

QITY PROJECT NO.

614195

ZONE MAP NO.

P-9-Z

SHEET

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OF

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TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS

1. THE CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

A. ALL TRAFFIC SIGNAL CONTROLLERS SUPPLIED FOR THIS PROJECT SHALL BE 8 PHASE CONTROLLERS ACCORDING TO CITY OF ALBUQUERQUE SPECIFICATION 429 AND SUPPLEMENTAL TECHNICAL SPECIFICATION 429.010.

B. ALL TRAFFIC SIGNAL CONTROLLER CABINETS SUPPLIED FOR THIS PROJECT SHALL BE TYPE "P" CABINETS ACCORDING TO CITY OF ALBUQUERQUE SPECIFICATION 429.
2. SERVICE PEDESTAL SUPPLIED FOR THIS PROJECT SHALL BE TESCO TYPE B AS PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
3. EMERGENCY VEHICLE PREEMPTION DETECTOR SYSTEM EQUIPMENT SHALL BE 3M "OPTICOM" MODEL 764 (OR MOST CURRENT ACCEPTABLE MODEL) PHASE SELECTORS MOUNTED ON 3M "OPTICOM" MODEL 760 RACKS, OR APPROVED EQUAL. ALL RACKS SHALL BE CAPABLE OF PROVIDING FOUR CHANNELS OF DETECTION. PHASE SELECTOR MODULES SHALL BE CAPABLE OF TWO CHANNELS OF DETECTION EACH. A MANUFACTURER'S REPRESENTATIVE SHALL ASSIST THE CONTRACTOR IN THE FIELD AS WORK PROGRESSES TO COMPLETE THE INSTALLATION OF ALL EMERGENCY VEHICLE PREEMPTION DETECTOR EQUIPMENT AND ASSIST IN SETTING UP, TURNING ON, PROGRAMMING AND FIELD TESTING PREEMPTION EQUIPMENT INCLUDING EMITTERS TO ENSURE THAT THE EQUIPMENT IS OPERATIONAL.
4. ALL INDICATIONS OF ALL VEHICLE SIGNAL ASSEMBLIES AND ALL PEDESTRIAN SIGNAL INDICATORS SHALL BE TINTED LED SIGNALS OF A TYPE AND MANUFACTURER APPROVED BY THE CITY OF ALBUQUERQUE. PEDESTRIAN SIGNALS SHALL ALSO INCLUDE "COUNTDOWN" INDICATIONS FOR CLEARANCE TIME.
5. ALL PEDESTRIAN PUSH BUTTONS SHALL BE BULLDOG TYPE.
6. ALL SIGNAL ASSEMBLIES, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, AND FITTINGS SHALL COMPLY WITH THE CITY OF ALBUQUERQUE TYPE AND COLOR (BLACK) FINISH REQUIREMENTS.
7. FOR RADAR DETECTION, CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

A. RADAR DETECTION AND CABINET INTERFACE DEVICE.

B. NECESSARY COMPUTER SOFTWARE TO CONNECT AND OPERATE THE RADAR DETECTION SYSTEM.

C. NECESSARY RADAR POWER CABLE.

D. TRAINING FOR THE RADAR DETECTION EQUIPMENT AND THE VIDEO HARDWARE SYSTEM.
8. FOR WIRELESS PTP SYSTEM, CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

A. WIRELESS PTP DEVICE.

B. NECESSARY COMPUTER SOFTWARE TO CONNECT AND OPERATE THE WIRELESS PTP SYSTEM.

C. NECESSARY WIRELESS PTP SYSTEM POWER CABLE.

D. TRAINING FOR THE WIRELESS PTP SYSTEM EQUIPMENT AND THE WIRELESS PTP HARDWARE SYSTEM.

TRAFFIC SIGNAL INCIDENTAL ITEMS*

1. REMOVAL OF EXISTING PULL BOXES, CONDUITS, CONDUCTORS OR OTHER SIGNAL EQUIPMENT FOR INSTALLATION OF NEW SIGNAL EQUIPMENTS EXCEPT AS NOTED IN PLANS.
2. MINOR GROUNDING IMPROVEMENT FOR CONTROL CABINETS. THE EXISTING POWER SERVICE AND GROUNDING AT EACH LOCATION SCHEDULED FOR CONTROLLER CABINET REPLACEMENT SHALL BE REVIEWED BY THE CONTRACTOR AND THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DEPARTMENT.
3. CABLE TESTING AND DIAGRAMS.
4. REMOVAL AND REPLACEMENT OF PAVEMENT SIDEWALKS, DRIVE PADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB & GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS) FOR INSTALLATION OF PULL BOXES, CONDUITS (INCLUDING BORING, DRILLING, PUSHING, AND TRENCHING), AND SIGNAL FOUNDATIONS, EXCEPT AS NOTED IN THE PLANS.
5. LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING GAS LINES WHEN BORING.
6. ANY MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY A NM LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE. CITY SURVEYOR SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY MONUMENT PLACEMENT.
7. DESIGN, MATERIALS, INSTALLATION, AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL.
8. APPRISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
9. HAULING OF MATERIAL TO BE DISPOSED TO CITY LANDFILL.
10. REMOVAL, SALVAGE, AND TRANSPORTATION OF EXISTING SIGNAL EQUIPMENT TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE.
11. CCTV MOUNTING HEIGHT ADJUSTMENT ARM.
12. LEAN FILL FOR CONDUIT TRENCHES.
13. PULL BOX ADJUSTMENT TO GRADE.
14. OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL.
15. COST FOR PNM TO PROVIDE ELECTRICAL SERVICE.

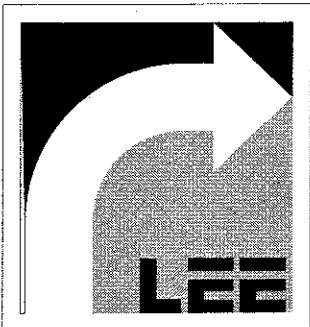
* ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNAL INCIDENTAL ITEMS* (CONTINUED)

16. ALL PATCH CABLES BETWEEN NETWORK SWITCHES AND TRAFFIC SIGNAL CABINET EQUIPMENT, INCLUDING BUT NOT LIMITED TO TRAFFIC SIGNAL CONTROLLER, CONFLICT MONITOR, OPTICAL DETECTOR CARDS, VEHICLE DETECTOR CARDS, WIRELESS DEVICES.
17. ANY AND ALL POWER SUPPLIES, POWER CORDS, BRACKETS, CABLING. GROUNDING KITS FOR WIRELESS COMMUNICATION EQUIPMENT.
18. ANY AND ALL SOFTWARE SETUP AND CONFIGURATION FOR MANAGED FIELD ETHERNET SWITCHES, OPTICAL DETECTORS, WIRELESS COMMUNICATION DEVICES, CCTV, RADAR DETECTION.

TRAFFIC SIGNAL INTERCONNECT REQUIREMENTS

1. PER PLAN, EXISTING COPPER OR FIBER OPTIC INTERCONNECT SHALL BE MAINTAINED OR PROVIDED FOR SIGNAL CONSTRUCTION. THIS SHALL INCLUDE BUT NOT LIMITED TO INSTALLING SPLICE CABINETS, SPLICE VAULTS, SPLICE CLOSURES, INTERCONNECT CONDUIT AND CABLE, CCTV CAMERA INSTALLATION, AND APPROPRIATE SIGNAL CONTROLLER INTERFACES (FIELD SWITCH, TERMINAL SERVERS ETC.).
2. IF NO EXISTING INTERCONNECT IS PRESENT, CONTRACTOR SHALL PROVIDE SPLICE VAULT, AND INTERCONNECT CONDUIT WITH #6 AWG TRACER WIRE & PULL STRING. INTERCONNECT CONDUIT SHALL BE STUBBED AND CAPPED AT PROJECT LIMITS.
3. SIGNAL CONDUCTORS SHALL NOT SHARE CONDUIT OR PULL BOXES WITH FIBER OPTIC COMMUNICATIONS CABLE. FIBER OPTIC CABLE SHALL BE INSTALLED IN SEPARATE CONDUIT AND PULL BOXES.
4. SPLICING OF COMMUNICATION CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATION CABLE (CONNECTIONS) WILL BE PERMITTED ONLY AT SPLICE CABINETS, SPLICE VAULTS WITH SPLICE CLOSURES, OR CONTROLLER CABINETS WITH SPLICE BLOCKS.
5. FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATION CABLES OR FIBER OPTIC CABLE, AN INSULATED SINGLE CONDUCTOR COPPER #6 AWG SHALL BE INSTALLED AS A TRACER WIRE.



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
CEJA VISTA OFF-SITE INFRASTRUCTURE
SIGNAL EQUIPMENT & INCIDENTALS



LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.

614195

ZONE MAP NO.

P-9-Z

SHEET

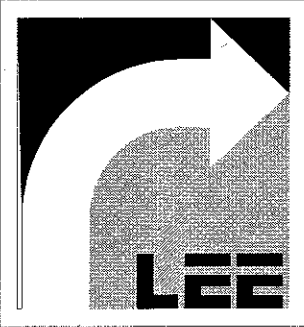
OF

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QUANTITIES

TRAFFIC SIGNAL ESTIMATED QUANTITIES				
BID ITEM #	ITEM ID #	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	4.010	CONSTRUCTION STAKING	LS	1
2	6.050	CONSTRUCTION MOBILIZATION, COMPL. (NOT TO EXCEED 10% OF SUBTOTAL)	LS	1
3	422.001	TRAFFIC SIGNAL PEDESTAL POLE, 4 FOOT, CIP	EA	3
4	422.004	TRAFFIC SIGNAL PEDESTAL POLE, 15 FOOT, CIP.	EA	8
5	422.018	TRAFFIC SIGNAL MASTARM, 35 FOOT ARM, TYPE II, TROMBONE, CIP.	EA	2
6	422.022	TRAFFIC SIGNAL MASTARM, 45 FOOT ARM, TYPE II, TROMBONE, CIP.	EA	1
7	422.023	TRAFFIC SIGNAL MASTARM, 45 FOOT ARM, TYPE III, TROMBONE, CIP.	EA	1
8	422.101	TRAFFIC SIGNAL PEDESTAL POLE, ANY SIZE, REMOVE & SALVAGE, COMPL.	EA	4
9	422.110	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE & SALVAGE, COMPL.	EA	2
10	423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE, CIP.	EA	11
11	423.002	TRAFFIC SIGNAL MASTARM FOUNDATION, CIP.	EA	4
12	423.003	TRAFFIC SIGNAL CONTROLLER FOUNDATION (TYPE M & P CABINET), CIP	EA	1
13	423.101	TRAFFIC SIGNAL MASTARM FOUNDATION, REMOVE & DISPOSE, COMPL.	EA	2
14	423.102	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE AND SPLICE CABINET, REMOVE & DISPOSE, COMPL.	EA	4
15	423.103	TRAFFIC CONTROLLER FOUNDATION, REMOVE & DISPOSE, CIP.	EA	1
16	424.010	ELECTRICAL CONDUIT, 3" INCLUDING TRENCHING, BACKFILL & PATCHING, CIP.	LF	1595
17	425.003	ELECTRICAL PULL BOX (LARGE), CIP.	EA	10
18	425.101	ELECTRICAL PULL BOX, ANY SIZE, REMOVE & DISPOSE, CIP.	EA	5
19	426.001	SINGLE CONDUCTOR, #2, CIP.	LF	900
20	426.003	SINGLE CONDUCTOR, #6, CIP.	LF	1000
21	426.010	MULTI-CONDUCTOR CABLE, #5, CIP.	LF	2248
22	426.011	MULTI-CONDUCTOR CABLE, #7, CIP.	LF	415
23	426.014	MULTI-CONDUCTOR CABLE, #20, CIP.	LF	2420
24	426.101	EXISTING WIRING, REMOVE & DISPOSE	LS	1
25	427.002	3 SECTION TRAFFIC ASSEMBLY, CIP.	EA	10
26	427.003	4 SECTION TRAFFIC ASSEMBLY, CIP.	EA	10
27	427.004	5 SECTION TRAFFIC ASSEMBLY, CIP.	EA	5
28	427.023	PEDESTRIAN SIGNAL (COUNTDOWN), CIP.	EA	8
29	427.031	3 SECTION BACK PLATE, CIP.	EA	9
30	427.032	4 SECTION BACKPLATE, CIP.	EA	4
31	427.121	PEDESTRIAN SIGNAL, REMOVE & SALVAGE, COMPL.	EA	2
32	428.010	PEDESTRIAN PUSH BUTTON STATION, CIP.	EA	8
33	428.012	PUSH BUTTON STATION, REMOVE & DISPOSE, COMPL	EA	2
34	428.050	SHIELDED TWISTED PAIR	LF	40
35	428.076	OPTICAL DETECTOR 2D/1C, CIP.	EA	4
36	428.078	OPTICAL DETECTOR CABLE, CIP	LF	1037
37	428.095	CCTV CABLE	LF	120
38	428.210	INSTALL CCTV (PTZ) CAMERA INCLUDING MOUNT, CIP	EA	1
39	429.001	TRAFFIC ACTUATED CONTROLLER - COBALT, CIP	EA	1
40	429.021	8 PHASE DUAL RING CONTROLLER CABINET, CIP.	EA	1
41	429.101	SIGNAL CONTROLLER, ANY TYPE, REMOVE AND SALVAGE, COMPL.	EA	1
42	429.121	CONTROLLER CABINET, ANY TYPE, REMOVE & SALVAGE, COMPL.	EA	1
43	435.006	FIBER OPTIC CABLE 6 SMFO AND TRACER WIRE	LF	70
44	435.702	MANAGED FIELD ETHERNET SWITCH (FS)	EA	1
45	435.708	TESTING/TROUBLE SHOOTING	HR	4
46	435.835	WAVETRONIX ADVANCE RADAR VEHICLE DETECTION SYS (PER APPROACH) CIP	EA	4
47	435.851	WIRELESS COMMUNICATION PTP DEVICE, CIP	EA	1
48	450.001	ALUMINUM PANEL SIGN, CIP	SF	75
49	450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP	LF	16



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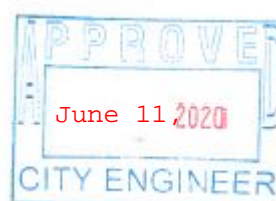


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: CEJA VISTA OFF-SITE INFRASTRUCTURE
SIGNAL QUANTITIES

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL



MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.

614195

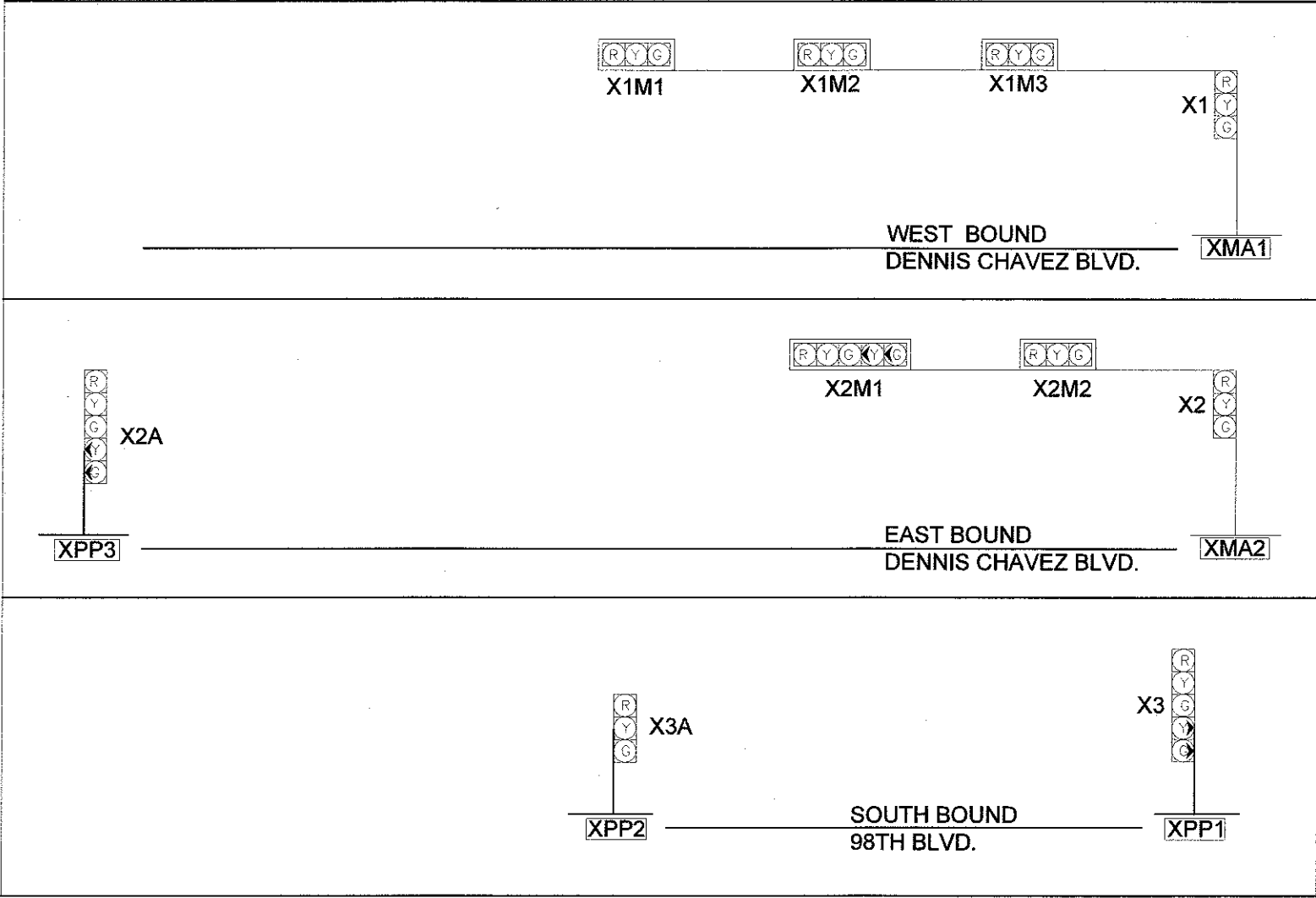
ZONE MAP NO.

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EXISTING INTERSECTION APPROACH DETAILS



ABBREVIATIONS

XMA1	EXISTING MAST ARM NUMBER
XPP1	EXISTING PEDESTAL POLE NUMBER
XCC1	EXISTING CONTROLLER CABINET
XPPB1	EXISTING PEDESTRIAN PUSH BUTTON NUMBER
XPB1	EXISTING PULL BOX NUMBER (SIGNALS)
XPBS1	EXISTING PULL BOX (POWER)
X3A	EXISTING SIGNAL HEAD NUMBER
XP1	EXISTING PEDESTRIAN SIGNAL NUMBER
M1	METER PEDESTAL NUMBER
XCAM1	EXISTING TRAFFIC CAMERA
XDLX	EXISTING DETECTION LOOP
XSV	EXISTING SPLICE VAULT
XCCTV	EXISTING CCTV CAMERA AND TYPE IV POLE
XPTP	EXISTING WIRELESS POINT-TO-POINT DEVICE

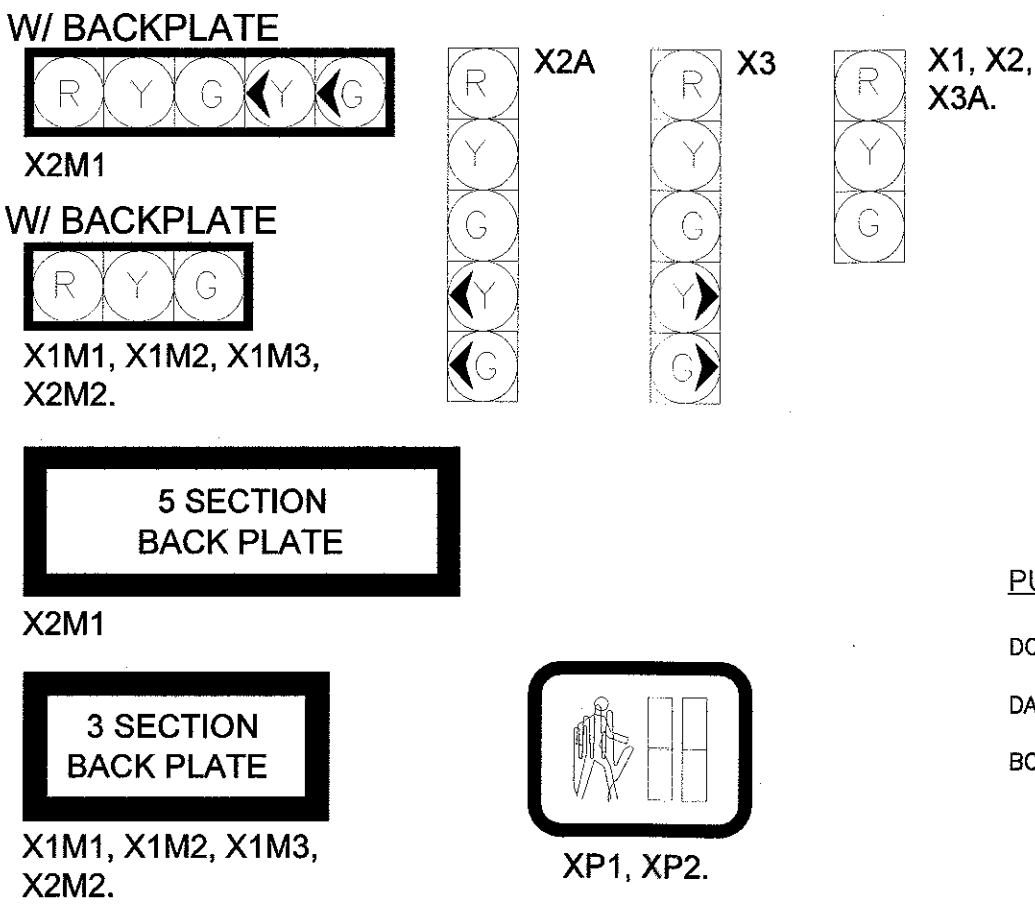
NOTES

- EXISTING PULL XPB1 TO XPB5 TO BE REMOVED AND DISPOSED.
- EXISTING CONTROLLER CABINET TO BE REMOVED AND SALVAGED
- EXISTING CONDUITS SHALL BE ABANDONED IN PLACE AND HAVE EXISTING WIRING REMOVED.
- EXISTING CCTV CAMERA, POLE AND WIRELESS COMMUNICATION SYSTEM TO BE REMOVED AND SALVAGED.
- EXISTING FOUNDATIONS SHALL BE REMOVED TO 18" BELOW GRADE. IF SIDEWALK IMPACTED, REPLACE IMPACTED SIDEWALK STONE.
- EXISTING LOOP LEAD-IN TO BE REMOVED AND DISPOSED.
- EXISTING MASTARMS AND PEDESTAL SIGNALS TO BE REMOVED AND SALVAGED.
- EXISTING SPLICE VAULT AND FIBER TO REMAIN AND PROTECTED IN PLACE.

EXISTING SIGNAL POLES AND MASTARM REMOVALS

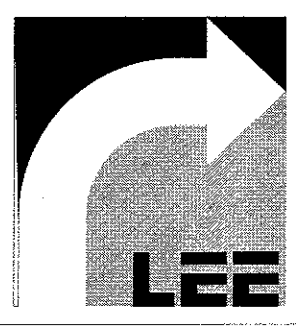
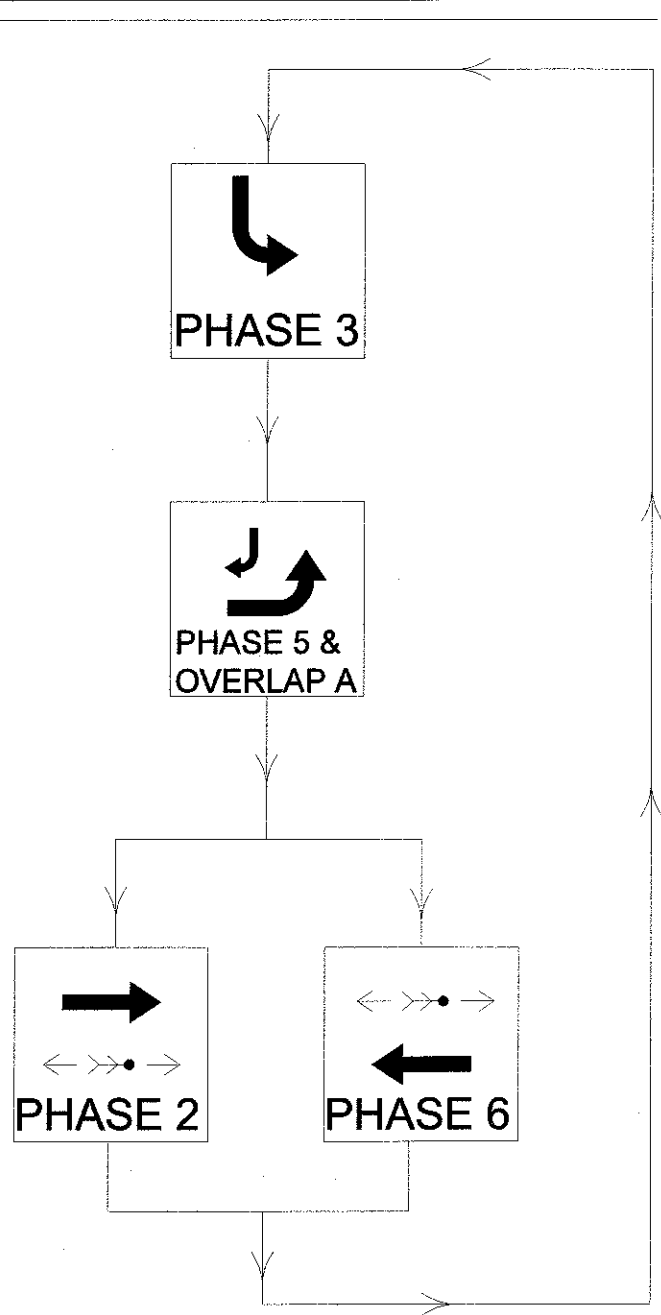
ID #	TYPE	STATION	OFFSET	REMARKS
XMA 1	EXISTING MASTARM - 35' TYPE II W/ STEEL POLE	EXISTING	EXISTING	REMOVE & SALVAGE
XMA 2	EXISTING MASTARM - 30' TYPE II W/ STEEL POLE	EXISTING	EXISTING	REMOVE & SALVAGE
XPP 1	EXISTING PEDESTAL POLE - 15' TYPE I	EXISTING	EXISTING	REMOVE & SALVAGE
XPP 2	EXISTING PEDESTAL POLE - 15' TYPE I	EXISTING	EXISTING	REMOVE & SALVAGE
XPP 3	EXISTING PEDESTAL POLE - 15' TYPE I	EXISTING	EXISTING	REMOVE & SALVAGE
XCC1	EXISTING CONTROLLER CABINET & EXISTING CONTROLLER	EXISTING	EXISTING	REMOVE & SALVAGE
XM 1	EXISTING POWER METER	EXISTING	EXISTING	REMOVE & SALVAGE
XSV	EXISTING SPLICE VAULT	EXISTING	EXISTING	PROTECT IN PLACE

TYPICAL SIGNAL FACE ASSEMBLIES AND LEGEND

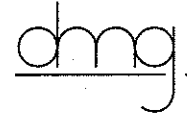


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SIGNAL PHASING



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: CEJA VISTA OFF-SITE INFRASTRUCTURE
SIGNAL PLAN SHEET (REMOVALS)



NO.	DATE	REMARKS	BY

CITY PROJECT NO.

614195

ZONE MAP NO.

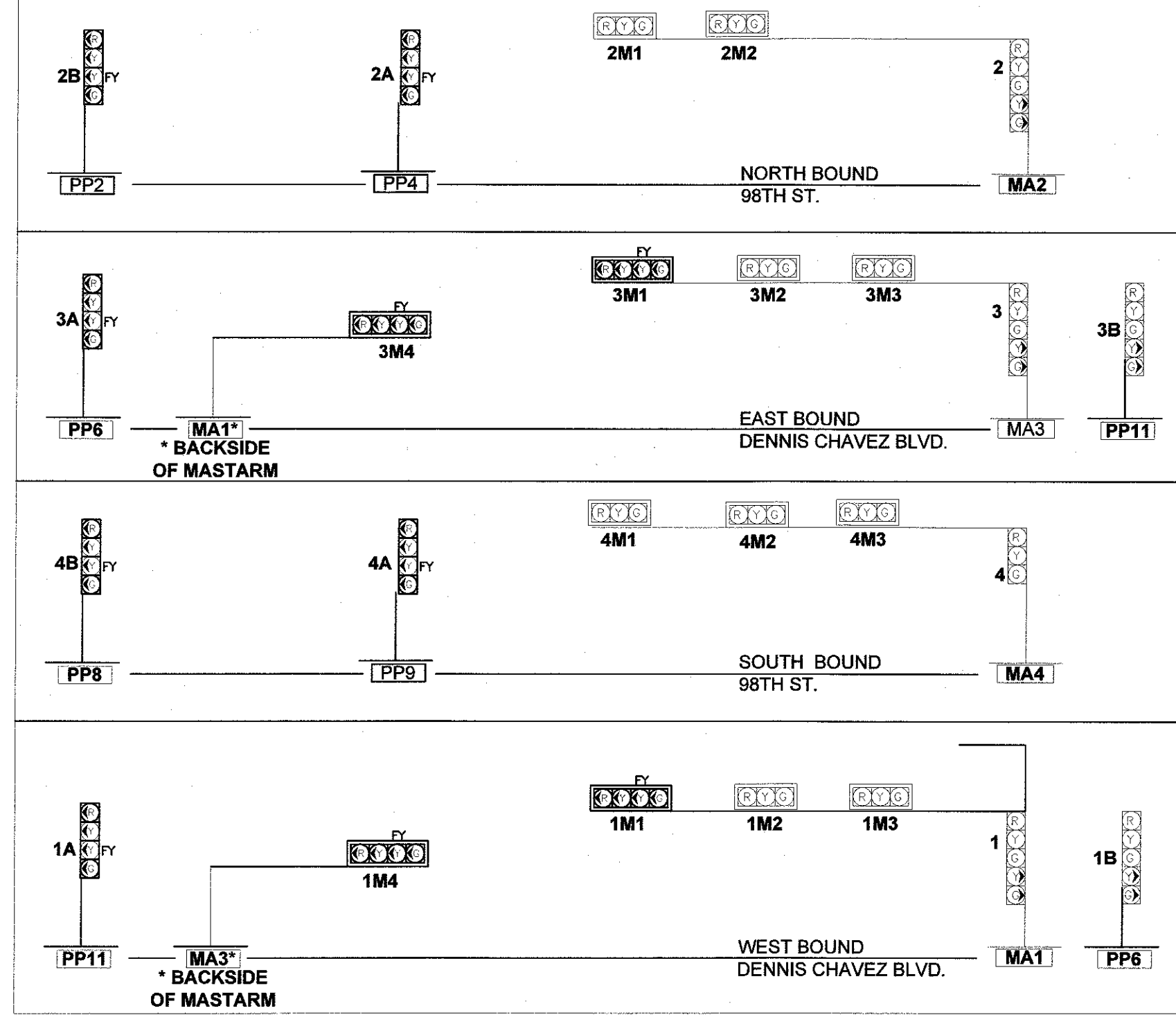
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OF

25



ABBREVIATIONS

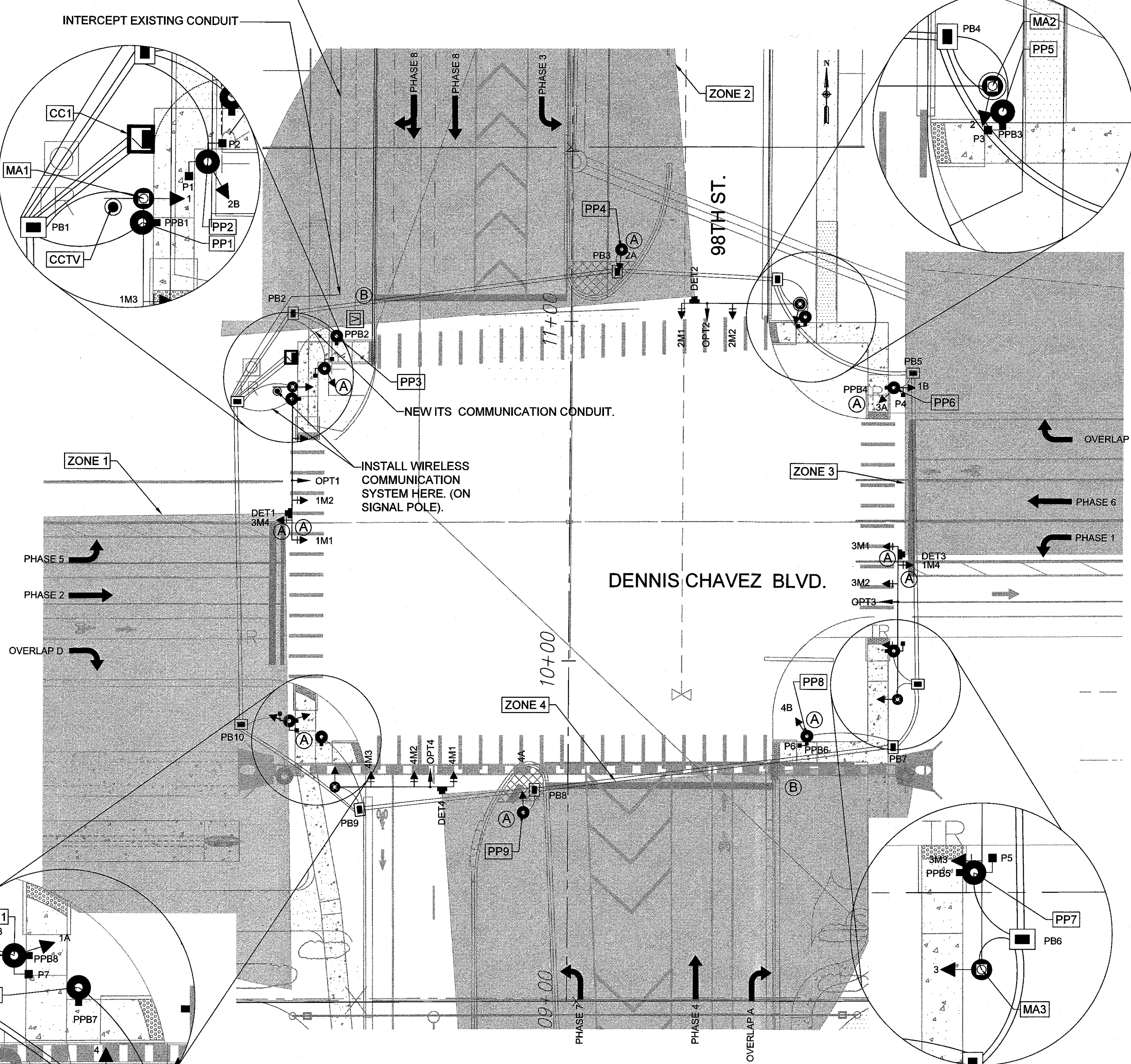
MA1	MAST ARM NUMBER
PP1	PEDESTAL POLE NUMBER
CC1	CONTROLLER CABINET
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
M1	METER PEDESTAL NUMBER
DET	RADAR DETECTOR
OPT1	OPTICOM

NOTES

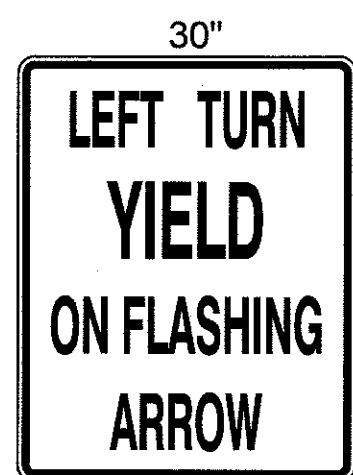
- INSTALL NEW STANDARD PULL BOXES PB1 TO PB10.
- INSTALL NEW CONTROLLER CABINET.
- EXISTING CONDUITS SHALL BE ABANDONED IN PLACE AND HAVE EXISTING WIRING REMOVED.
- PEDESTAL POLES PP1, PP3, PP5, PP6, PP7, PP8, PP10 AND PP11 ARE TO BE POSITIONED SO THAT THE PED BUTTONS ARE IN ACCORDANCE WITH PROWAG AND ADA REQUIREMENTS. NO MORE THAN 10 INCHES FROM FACE OF CURB.
- PEDESTRIAN RAMP DESIGN WILL BE COMPLETED BY MARK GOODWIN AND ASSOCIATES, PA.

PROPOSED SIGNAL POLES AND MASTARMS

ID #	TYPE	STATION*	OFFSET*	REMARKS
MA 1	MASTARM - 45' TYPE III W/ STEEL POLE	10+80	85' LT	NEW FOUNDATION
MA 2	MASTARM - 35' TYPE II W/ STEEL POLE	11+06	68' RT	NEW FOUNDATION
MA 3	MASTARM - 45' TYPE II W/ STEEL POLE	09+89	97' RT	NEW FOUNDATION
MA 4	MASTARM - 35' TYPE II W/ STEEL POLE	09+63	69' LT	NEW FOUNDATION
PP 1	PEDESTAL POLE - 4' TYPE I	10+77	82' LT	NEW FOUNDATION
PP 2	PEDESTAL POLE - 15' TYPE I	10+86	73' LT	NEW FOUNDATION
PP 3	PEDESTAL POLE - 4' TYPE I	10+95	69' LT	NEW FOUNDATION
PP 4	PEDESTAL POLE - 15' TYPE I	11+21	15' RT	NEW FOUNDATION
PP 5	PEDESTAL POLE - 15' TYPE I	11+02	69' RT	NEW FOUNDATION
PP 6	PEDESTAL POLE - 15' TYPE I	10+81	95' RT	NEW FOUNDATION
PP 7	PEDESTAL POLE - 15' TYPE I	10+04	96' RT	NEW FOUNDATION
PP 8	PEDESTAL POLE - 15' TYPE I	09+78	70' RT	NEW FOUNDATION
PP 9	PEDESTAL POLE - 15' TYPE I	09+55	13' LT	NEW FOUNDATION
PP 10	PEDESTAL POLE - 4' TYPE I	09+78	73' LT	NEW FOUNDATION
PP 11	PEDESTAL POLE - 15' TYPE I	09+82	82' LT	NEW FOUNDATION
CC1	CONTROLLER CABINET	10+89	80' LT	NEW FOUNDATION



TYPICAL SIGNAL FACE ASSEMBLIES AND LEGEND



(A) R10-YY



(B) R10-6L

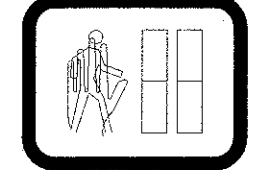
W/ BACKPLATE



1M2, 1M3, 2M1, 2M2, 3M2, 3M3, 4M1, 4M2, 4M3.



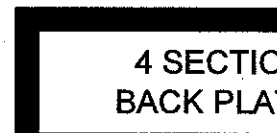
1M1, 1M4, 3M1, 3M4.



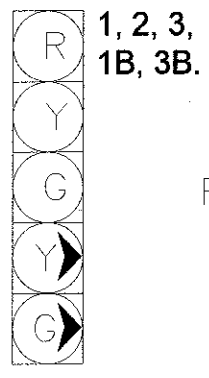
P1, P2, P3, P4, P5, P6, P7, P8.



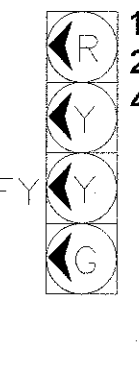
1M2, 1M3, 2M1, 2M2, 3M2, 3M3, 4M1, 4M2, 4M3.



1M1, 1M4, 3M1, 3M4.



1, 2, 3, 1B, 3B.



1A, 2A, 2B, 3A, 4A, 4B.

4

PUBLIC ACCESS AND UTILITY EASEMENT

DOC. #:

DATE FILED:

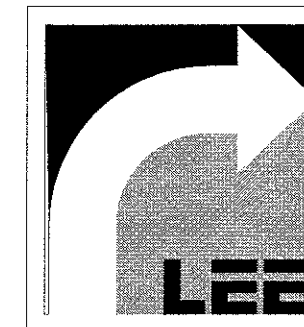
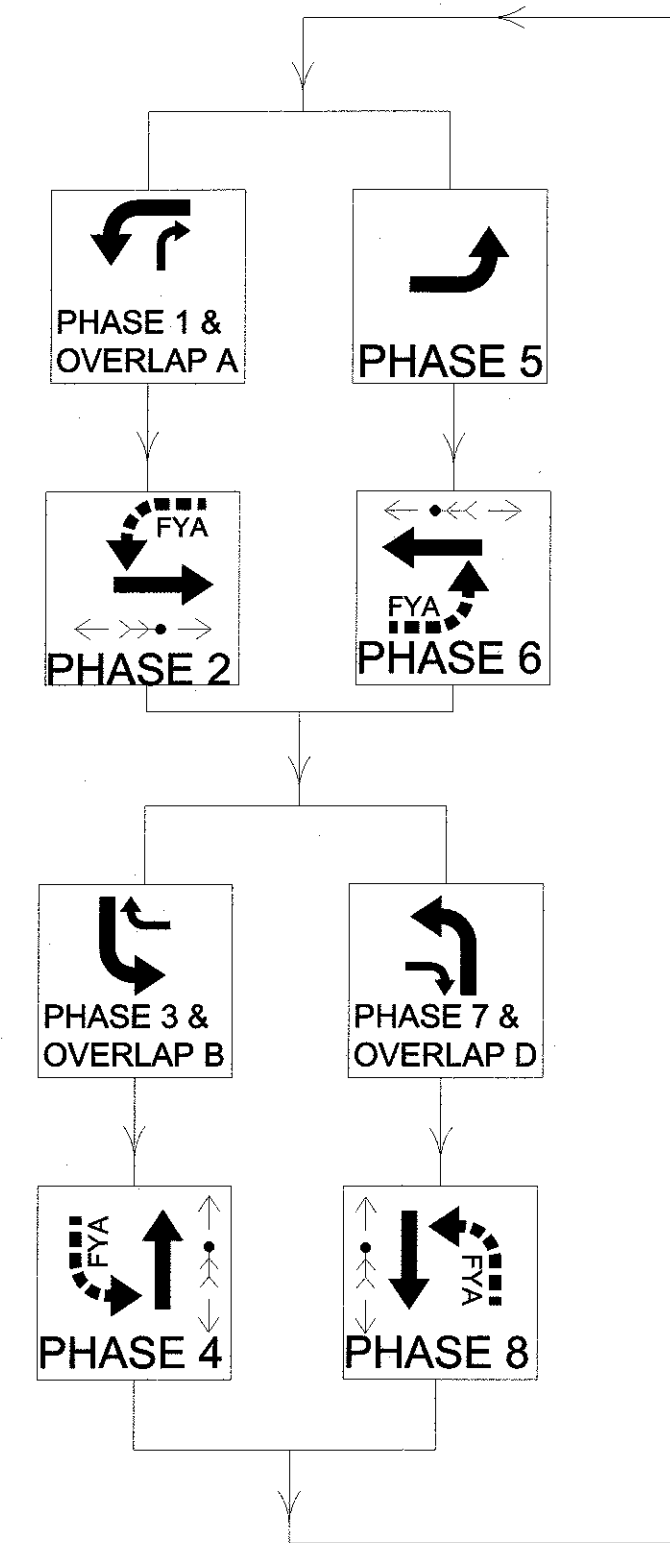
BOOK:

ZONE LEGEND

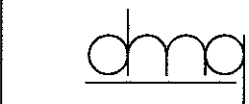
ZONE 1: PHASE 5, PHASE 2 & OVERLAP D
ZONE 2: PHASE 3, PHASE 8
ZONE 3: PHASE 1, PHASE 6 & OVERLAP B
ZONE 4: PHASE 7, PHASE 4 & OVERLAP A

RECORD DRAWINGS

SIGNAL PHASING



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

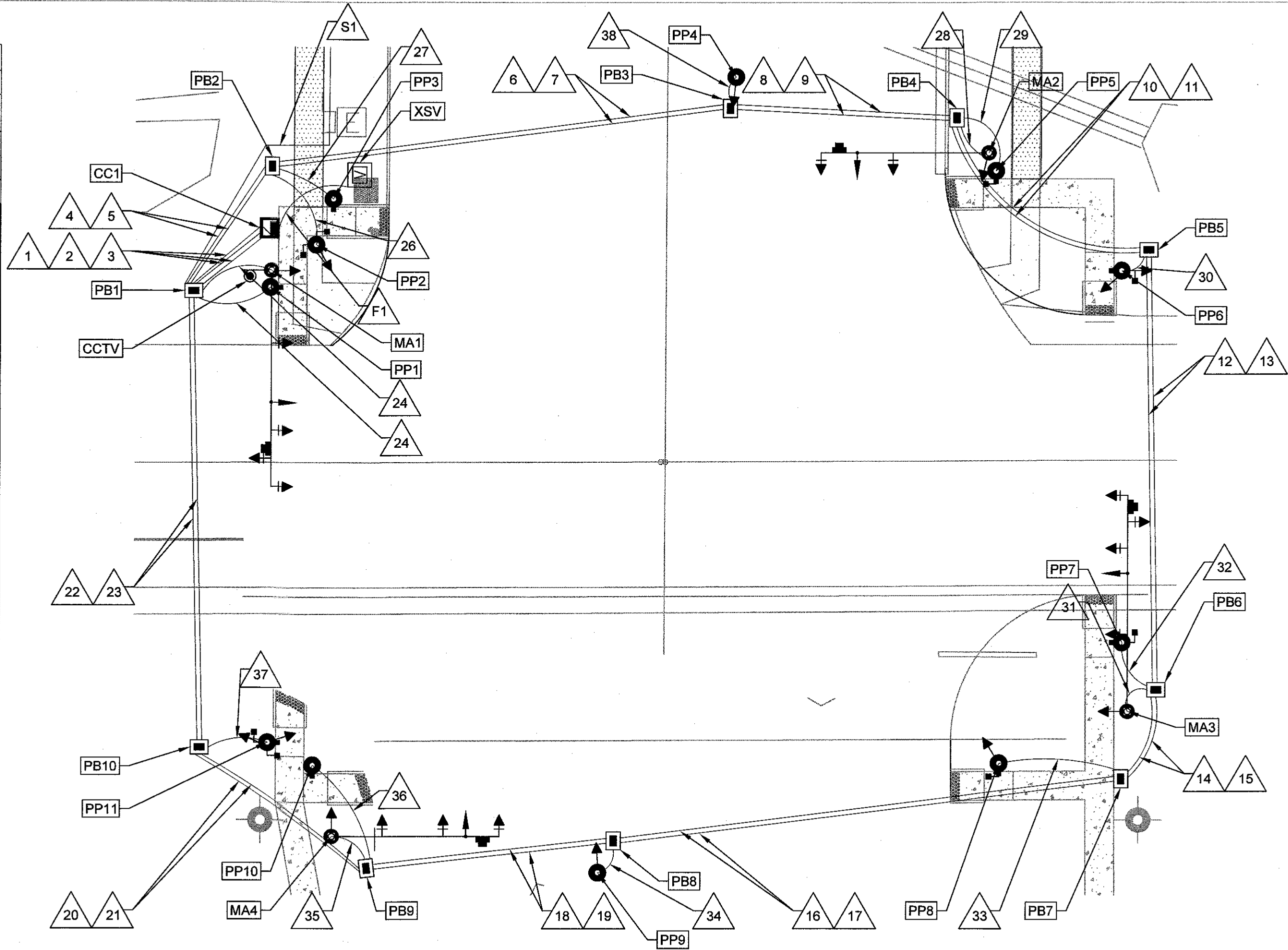
TITLE: CEJA VISTA OFF-SITE INFRASTRUCTURE
SIGNAL PLAN SHEET (PROPOSED)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE
APPROVE MAY 19, 2023 DESIGN REVIEW COMMITTEE	APPROVE June 11, 2023 CITY ENGINEER	

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614195	P-9-Z	18	25

CONDUIT AND CONDUCTOR REQUIREMENTS*																	
CONDUIT LENGTH, SIZE, AND TYPE						CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE											
RUN ID	NEW SIZE/LENGTH*			TYPE	REMARKS	MCC5	MCC7	MCC7	MCC20	SCC #2	SMFO 6	SCC #6	RADAR CABLE	CCTV CABLE	WIRELESS SYSTEM CABLE	OPTICOM	TRACER WIRE *
##	3"	3"	4"			(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)
S1		75		REC	CABINET TO METER					3 @ 300							
F1	20				SPLICE VAULT TO CABINET						1 @ 70						
1		15		REC	CC1 TO PB1	2 @ 20			3 @ 20			1 @ 20					
2	15			REC	CC1 TO PB1								4 @ 20	1 @ 20	1 @ 20	4 @ 20	
3		15		REC	CC1 TO PB1	2 @ 20			3 @ 20			1 @ 20					
4		30		REC	PB1 TO PB2	2 @ 35			3 @ 35			1 @ 35					
5	30			REC	PB1 TO PB2								2 @ 35			2 @ 35	
6		95		REC	PB2 TO PB3	2 @ 100			3 @ 100			1 @ 100					
7	95			REC	PB2 TO PB3								2 @ 100			2 @ 100	
8		45		REC	PB3 TO PB4	2 @ 50			3 @ 50			1 @ 50					
9	45			REC	PB3 TO PB4								2 @ 50			2 @ 50	
10		50		REC	PB4 TO PB5	2 @ 55			3 @ 55			1 @ 55					
11	50			REC	PB4 TO PB5								1 @ 55			1 @ 55	
12		90		REC	PB5 TO PB6	2 @ 95			3 @ 95			1 @ 95					
13	90			REC	PB5 TO PB6								1 @ 95			1 @ 95	
14		25		REC	PB6 TO PB7	2 @ 30			3 @ 30			1 @ 30					
15	25			REC	PB6 TO PB7												1 @ 100
16		95		REC	PB7 TO PB8	2 @ 100			3 @ 100			1 @ 100					
17	95			REC	PB7 TO PB8												1 @ 100
18		50		REC	PB8 TO PB9	2 @ 55			3 @ 55			1 @ 55					
19	50			REC	PB8 TO PB9												1 @ 55
20		45		REC	PB9 TO PB10	2 @ 50			3 @ 50			1 @ 50					
21	45			REC	PB9 TO PB10								1 @ 50			1 @ 50	
22		95		REC	PB10 TO PB1	2 @ 100			3 @ 100			1 @ 100					
23	95			REC	PB10 TO PB1								1 @ 100			1 @ 100	
24		20		REC	PB1 TO MA1	1 @ 25			1 @ 25			1 @ 25	1 @ 25	1 @ 25	1 @ 25	1 @ 25	
25		15		REC	PB1 TO PP1	1 @ 20			1 @ 20			1 @ 20					
26		15		REC	PB2 TO PP2	1 @ 20			1 @ 20			1 @ 20					
27		15		REC	PB2 TO PP3	1 @ 20			1 @ 20			1 @ 20					
28		10		REC	PB4 TO MA2	1 @ 15			1 @ 15			1 @ 15	1 @ 15			1 @ 15	
29		20		REC	PB4 TO PP5	1 @ 25			1 @ 25			1 @ 25					
30		10		REC	PB5 TO PP6	1 @ 15			1 @ 15			1 @ 15					
31		15		REC	PB6 TO PP7	1 @ 20			1 @ 20			1 @ 20					
32		10		REC	PB6 TO MA3	1 @ 15			1 @ 15			1 @ 15	1 @ 15			1 @ 15	
33		15		REC	PB7 TO PP8	1 @ 20			1 @ 20			1 @ 20		1 @ 25	1 @ 25		
34		10		REC	PB8 TO PP9	1 @ 15			1 @ 15			1 @ 15					
35		10		REC	PB9 TO MA4	1 @ 15			1 @ 15			1 @ 15	1 @ 15			1 @ 15	
36		25		REC	PB9 TO PP10	1 @ 30			1 @ 30			1 @ 30					
37		15		REC	PB10 TO PP11	1 @ 20			1 @ 20			1 @ 20					
38		10		REC	PB3 TO PP4	1 @ 15			1 @ 15			1 @ 15					
TOTAL	655	940				1710	0		2420	900	70	1000	820	70	70	820	255

* ALL UNUSED CONDUIT SHALL HAVE TRACER WIRE , INCIDENTAL TO ITEM #424.010.

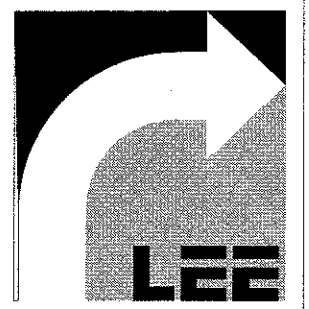


ABBREVIATIONS


MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NO.
CC1	CONTROL CABINET NUMBER
SC1	SPLICE CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
DET	RADAR DETECTION DETECTOR
OPT	OPTICOM DETECTOR
FY	FLASHING YELLOW ARROW
SY	SOLID YELLOW ARROW
CCTV	RELOCATED CCTV CAMERA AND POLE

SYMBOL KEY


MAX	SIGNAL & CABINET ID
X	CONDUIT RUN ID (SIGNALS)
SX	CONDUIT RUN ID (POWER)
△	EXISTING CONDUIT RUN



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
CEJA VISTA OFF-SITE INFRASTRUCTURE
CABLE AND CONDUIT SCHEDULE

DESIGN REVIEW COMMITTEE
APPROVED
MAY 19, 2020
DESIGN REVIEW COMMITTEE

CITY ENGINEER
APPROVED
June 11, 2020
CITY ENGINEER

LAST DESIGN UPDATE
DATE
MO./DAY/YR.
MO./DAY/YR.

CITY PROJECT NO.
614195

ZONE MAP NO.
P-9-Z

SHEET
19

OF
25

CONDUIT AND CONDUCTOR REQUIREMENTS										
CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE										
RUN ID	REMARKS	MCC5	MCC7	MCC20	SCC #2	SHIELDED TWISTED PAIR *	RADAR CABLE	CCTV CABLE	OPTICOM CABLE	WIRELESS COM CABLE
##		(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)	(# @ FT)
MA1	BASE TO 1M1		1 @ 65							
MA1	BASE TO 3M4		1 @ 60							
MA1	BASE TO 1M2	1 @ 65								
MA1	BASE TO 1M3	1 @ 35								
MA1	BASE TO OPT1								1 @ 52	
MA1	BASE TO CCTV							1 @ 50		
MA1	BASE TO WIRELESS COM SYSTEM									1 @ 50
MA1	BASE DET1						1 @ 45			
MA1	BASE TO 1		1 @ 15							
MA2	BASE 2M1	1 @ 55								
MA2	BASE TO 2M2	1 @ 40								
MA2	BASE TO OPT2								1 @ 47	
MA2	BASE TO DET2						1 @ 45			
MA2	BASE TO 2		1 @ 15							
MA3	BASE TO 3M1		1 @ 65							
MA3	BASE TO 3M2	1 @ 45								
MA3	BASE TO 3M3	1 @ 35							1 @ 52	
MA3	BASE TO OPT3									
MA3	BASE TO DET3						1 @ 45			
MA3	BASE TO 3		1 @ 15							
MA4	BASE 4M1	1 @ 55								
MA4	BASE TO 1M4		1 @ 60							
MA4	BASE 4M2	1 @ 43								
MA4	BASE 4M3	1 @ 30								
MA4	BASE TO OPT4								1 @ 66	
MA4	BASE TO DET4						1 @ 45			
MA4	BASE TO 4	1 @ 15								
PP1	BASE PPB1					1 @ 5				
PP2	BASE TO P1	1 @ 15								
PP2	BASE TO P2	1 @ 15								
PP2	BASE TO 2B		1 @ 15							
PP3	BASE TO PPB2					1 @ 5				
PP4	BASE TO 2A		1 @ 15							
PP5	BASE TO P3	1 @ 15								
PP5	BASE TO PPB3					1 @ 5				
PP6	BASE TO P4	1 @ 15								
PP6	BASE TO 3A		1 @ 15							
PP6	BASE TO 1B		1 @ 15							
PP6	BASE TO PPB4					1 @ 5				
PP7	BASE TO P5	1 @ 15								
PP7	BASE TO PPB6					1 @ 5				
PP8	BASE TO P6	1 @ 15								
PP8	BASE TO 4B		1 @ 15							
PP8	BASE TO PPB6					1 @ 5				
PP9	BASE TO 4A		1 @ 15							
PP10	BASE TO PPB8					1 @ 5				
PP11	BASE TO P7	1 @ 15								
PP11	BASE TO P8	1 @ 15								
PP11	BASE TO 1A		1 @ 15							
PP11	BASE TO 3B		1 @ 15							
PP11	BASE TO PPB8					1 @ 5				
TOTAL		538	415	0	0	40	180	50	217	50

DETECTOR RACK ASSIGNMENTS																			
UNIT NUMBER	POWER SUPPLY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CHANNEL 1		RADAR DETECTION															Ped Isolation	OPTICOM 1	OPTICOM 3
CHANNEL 2																		OPTICOM 2	OPTICOM 4
DETECTOR MODULE REQUIRED																	✓	✓	✓

FUNCTION CHART - 115 VOLT CIRCUIT								
CONDUCTOR			RING 1-MULTI CONDUCTOR CABLE 20		RING 2-MULTI CONDUCTOR CABLE 20		RING 3-MULTI CONDUCTOR CABLE 20	
NUMBER	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION
1	BLACK	---	OVERLAP A GREEN	GREEN RIGHT TURN ARROW 2	SPARE	SPARE	SPARE	SPARE
2	WHITE	---	OVERLAP A YELLOW	YELLOW RIGHT TURN ARROW 2	SPARE	SPARE	SPARE	SPARE
3	RED	---	PHASE 1 RED	RED LEFT TURN ARROW 1A, 1M1, 1M4	PHASE 5 RED	RED LEFT TURN ARROW 3A, 3M1, 3M4	PHASE 1	FLASHING YELLOW LEFT TURN ARROW 1A, 1M1, 1M4
4	GREEN	---	PHASE 1 GREEN	GREEN LEFT TURN ARROW 1A, 1M1, 1M4	PHASE 5 GREEN	GREEN LEFT TURN ARROW 3A, 3M1, 3M4	PHASE 3	FLASHING YELLOW LEFT TURN ARROW 4A, 4B
5	ORANGE	---	PHASE 1 YELLOW	YELLOW LEFT TURN ARROW 1A, 1M1, 1M4	PHASE 5 YELLOW	YELLOW LEFT TURN ARROW 3A, 3M1, 3M4	PHASE 5	FLASHING YELLOW LEFT TURN ARROW 3A, 3M1, 3M4
6	BLUE	---	OVERLAP B GREEN	GREEN RIGHT TURN ARROW 1, 1B	OVERLAP D GREEN	GREEN LEFT TURN ARROW 3, 3B	PHASE 7	FLASHING YELLOW LEFT TURN ARROW 2A, 2B
7	WHITE	BLACK	OVERLAP B YELLOW	YELLOW RIGHT ARROW ARROW 1, 1B	OVERLAP D YELLOW	YELLOW LEFT TURN ARROW 3, 3B	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL 3, 3B, 3M2, 3M3	PHASE 6 RED	RED BALL 1, 1B, 1M2, 1M3	SPARE	SPARE
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL 3, 3B, 3M2, 3M3	PHASE 6 GREEN	GREEN BALL 1, 1B, 1M2, 1M3	SPARE	SPARE
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL 3, 3B, 3M2, 3M3	PHASE 6 YELLOW	YELLOW BALL 1, 1B, 1M2, 1M3	SPARE	SPARE
11	BLUE	BLACK	PHASE 2 WALK	WALK P6, P7	PHASE 6 WALK	WALK P2, P3	SPARE	SPARE
12	BLACK	WHITE	PHASE 2 DON'T WALK	DON'T WALK P6, P7	PHASE 6 DON'T WALK	DON'T WALK P2, P3	SPARE	SPARE
13	RED	WHITE	PHASE 3 RED	RED LEFT TURN ARROW 4A, 4B	PHASE 7 RED	RED LEFT TURN ARROW 2A, 2B	SPARE	SPARE
14	GREEN	WHITE	PHASE 3 GREEN	GREEN LEFT TURN ARROW 4A, 4B	PHASE 7 GREEN	GREEN LEFT TURN ARROW 2A, 2B	SPARE	SPARE
15	BLUE	WHITE	PHASE 3 YELLOW	YELLOW LEFT TURN ARROW 4A, 4B	PHASE 7 YELLOW	YELLOW LEFT TURN ARROW 2A, 2B	SPARE	SPARE
16	BLACK	RED	PHASE 4 RED	RED BALL 2, 2A, 2B, 2M1, 2M2	PHASE 8 RED	RED BALL 4, 4M1, 4M2, 4M3	SPARE	SPARE
17	WHITE	RED	PHASE 4 GREEN	GREEN BALL 2, 2A, 2B, 2M1, 2M2	PHASE 8 GREEN	GREEN BALL 4, 4M1, 4M2, 4M3	SPARE	SPARE
18	ORANGE	RED	PHASE 4 YELLOW	YELLOW BALL 2, 2A, 2B, 2M1, 2M2	PHASE 8 YELLOW	YELLOW BALL 4, 4M1, 4M2, 4M3	SPARE	SPARE
19	BLUE	RED	PHASE 4 WALK	WALK P4, P5	PHASE 8 WALK	WALK P1, P8	SPARE	SPARE
20	RED	GREEN	PHASE 4 DON'T WALK	DON'T WALK P4, P5	PHASE 8 DON'T WALK	DON'T WALK P1, P8	SPARE	SPARE

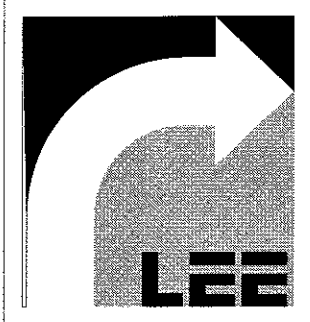
OPTICAL DETECTOR CABLE			
FROM	TO	CONDUIT TRACE	TOTAL LENGTH (FEET)
OPT1	MA1	OPT1 - BASE OF POLE	52
MA1	CC1	2-24	45
OPT 2	MA2	OPT2 - BASE OF POLE	47
MA2	CC1	2-5-7-9-28	220
OPT3	MA3	OPT3 - BASE OF POLE	52
MA3	CC1	2-5-7-9-11-13-32	370
OPT 4	MA4	OPT4 - BASE OF POLE	66
MA4	CC1	2-23-21-35	185
		TOTAL	1037

RADAR DETECTOR CABLE			
FROM	TO	CONDUIT TRACE	TOTAL LENGTH (FEET)
DET1	MA1	DET1 - BASE OF POLE	45
MA1	CC1	2-24	45
DET2	MA2	DET2 - BASE OF POLE	45
MA2	CC1	2-5-7-9-28	220
DET3	MA3	DET3 - BASE OF POLE	45
MA3	CC1	2-5-7-9-11-13-32	370
DET4	MA4	DET4 - BASE OF POLE	45
MA4	CC1	2-23-21-35	185
		TOTAL	1000

FUNCTION CHART - 24 VOLT CIRCUIT			
CONDUCTOR		RING 1-MULTI CONDUCTOR CABLE 5	
NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 2 PPB	PPB6, PPB7
2	WHITE	COMMON	PPB1, PPB2, PPB3, PPB4, PPB5, PPB6, PPB7, PPB8
3	RED	PHASE 4 PPB	PPB4, PPB5
4	GREEN	PHASE 6 PPB	PPB2, PPB3
5	ORANGE	PHASE 8 PPB	PPB1, PPB8

NOTES

- *1. IDENTIFY CONDUCTORS LISTED AS "115 VOLTS".
- *2. MARK RING 1 CABLE AT EACH SPLICE POINT WITH 1 PIECE OF WHITE ELECTRICAL TAPE. MARK RING 2 CABLE AT EACH SPLICE POINT WITH 2 PIECES OF WHITE ELECTRICAL TAPE. MARK RING 3 CABLE AT EACH SPLICE POINT WITH 3 PIECES OF WHITE ELECTRICAL TAPE. THE IDENTIFICATION MARKING SHALL BE PROVIDED ON EACH RING CABLE AT EACH SPLICE AND LOCATED 6" BACK FROM THE END.
- *3. IDENTIFY CONDUCTORS LISTED AS "PPB-LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE SHALL BE 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
CEJA VISTA OFF-SITE INFRASTRUCTURE
CABLE AND CONDUIT SCHEDULE

DESIGN REVIEW COMMITTEE

QTY ENGINEER APPROVAL



MO./DAY/YR.

CITY PROJECT NO.

614195

ZONE MAP NO.

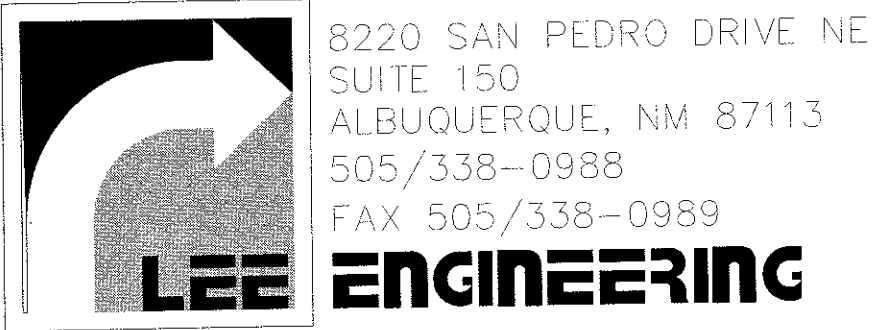
P-9-Z

SHEET

20

OF

25



NOTE: NO MASTARMS WILL NEED RELOCATION PER THE FULL BUILD OUT DESIGN DESIGNED BY MARK GOODWIN & ASSOCIATES.

	MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS	NO.	DAY	MONTH	YEAR
	P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 OFFICE (505) 828-2200, FAX (505) 797-9539	NO.	DAY	MONTH	YEAR

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

TITLE:

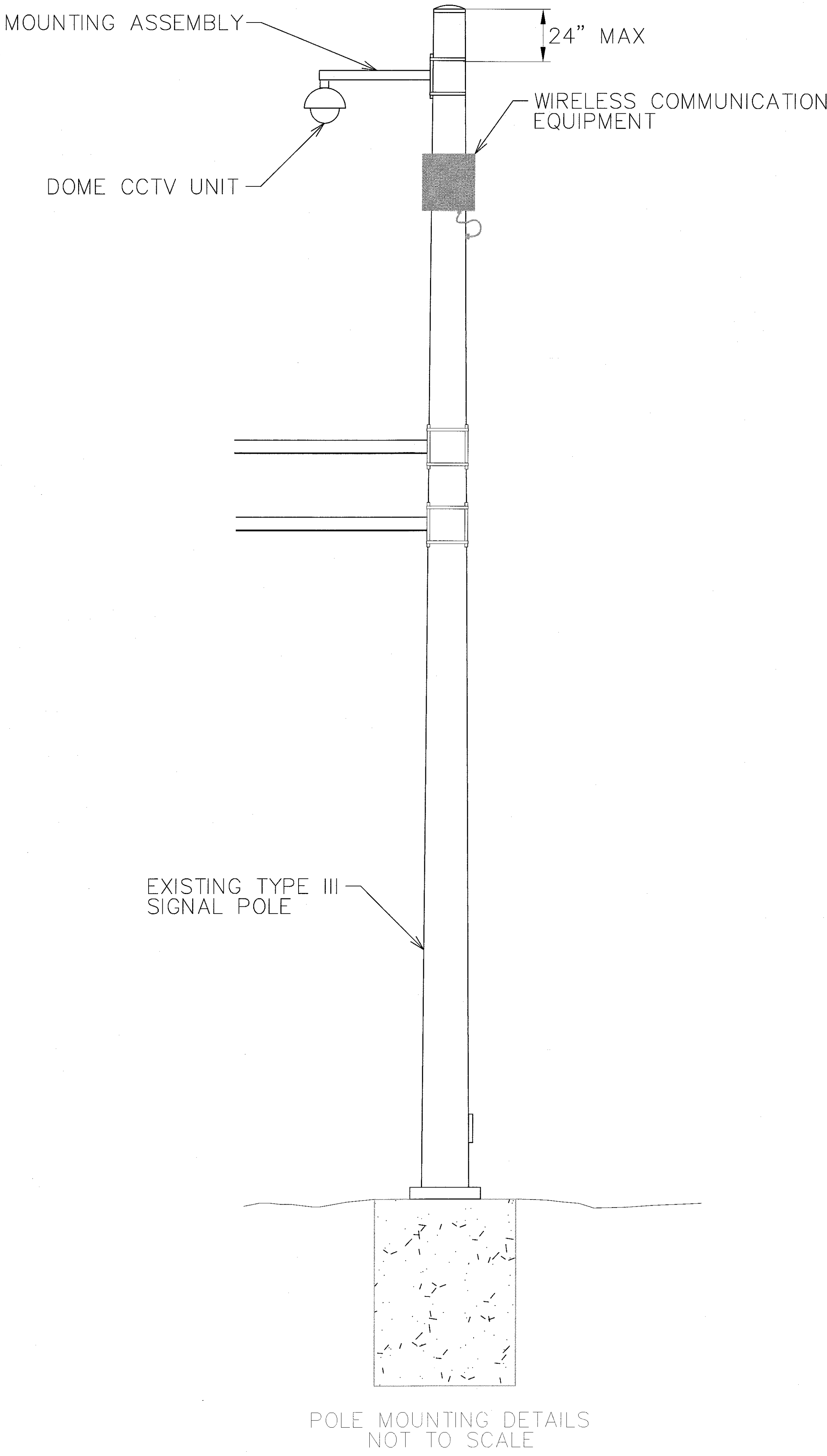
CEJA VISTA OFF-SITE INFRASTRUCTURE

SIGNAL PLAN SHEET (FULL BUILD OUT)

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

FOR INFORMATION ONLY

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614195	P-9-Z	21	25

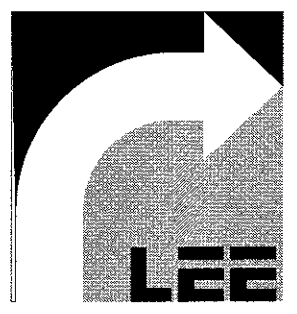


NOTES:

1. WIRELESS COMMUNICATION EQUIPMENT TO BE INSTALLED WITH STAINLESS STEEL BANDING TO NEW OR EXISTING POLES AS SHOWN IN THE PLANS.
2. WIRELESS EQUIPMENT SHALL BE INSTALLED AT A HEIGHT THAT WILL ALLOW FOR UNINTERRUPTED COMMUNICATION TO THE NEXT INTERSECTION INSTALLATION LOCATION AVOIDING ALL BUILDINGS AND OTHER OBSTACLES THAT WOULD BLOCK OR IMPEDE THE COMMUNICATION SIGNAL.
3. CONTRACTOR SHALL CONNECT THE WIRELESS UNIT (COPPER CLAD CAT5E CABLE) TO THE PROPOSED FIELD SWITCH WITHIN THE CONTROLLER CABINET USING THE SHORTEST EXISTING CONDUIT RUN.
4. THE POLE SHALL BE SEALED WHERE ANY CABLING ENTERS OR EXITS THE STRUCTURE. CABLING SHALL HAVE DRIP LOOP CONFIGURATION.
5. SEE SHEET 7 "INDEX OF COMMUNICATION DETAILS" FOR INSTALLATION LOCATIONS AND EQUIPMENT.

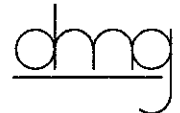
CCTV INSTALLATION NOTES:

1. CCTV MOUNTING ASSEMBLY SHALL BE SECURED WITH A MINIMUM OF 2 BANDING STRAPS. THE MOUNTING ASSEMBLY OR ARM SHALL BE POINTED TOWARD CENTER OF INTERSECTION.
2. CCTV MOUNTING ON MAST ARM SHALL INCLUDE A 1 1/2" NPT FITTING BANDED TO THE END OF THE MAST ARM.
3. THE CABLING SHALL BE CONTAINED INSIDE OF THE POLE. A HOLE SHALL BE DRILLED IN THE POLE FOR CABLING TO EXIT THE POLE AND FEED THROUGH THE MOUNTING ASSEMBLY. THE HOLE SHALL BE SEALED TO PREVENT ANY WATER FROM ENTERING THE POLE. CABLING WITHIN THE POLE SHALL HAVE CABLE STRAIN RELIEF AT THE TOP TO PREVENT THE CABLE TENSION FROM PULLING ON THE EQUIPMENT.
4. ALL WORK TO BE PERFORMED IN THE CABINET SHALL BE COORDINATED AND SUPERVISED BY THE CITY.
5. CCTV CAMERA SHALL BE MOUNTED WITHIN ONE DEGREE OF LEVEL ON BOTH HORIZONTAL AXIS.
6. ALL CABLING SHALL RUN UNSPLICED FROM THE CCTV CAMERA TO THE CONTROL CABINET.




8220 SAN PEDRO DRIVE NE
SUITE 150
ALBUQUERQUE, NM 87113
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LEE ENGINEERING





MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
CEJA VISTA OFF-SITE INFRASTRUCTURE
WIRELESS COMMUNICATION DETAIL

DESIGN REVIEW COMMITTEE

MAY 19, 2020

CITY ENGINEER APPROVAL

June 11, 2020

LAST DESIGN UPDATE

DESIGNED BY CS
DRAWN BY SB
CHECKED BY PB

REMARKS
DESIGN
REVISIONS

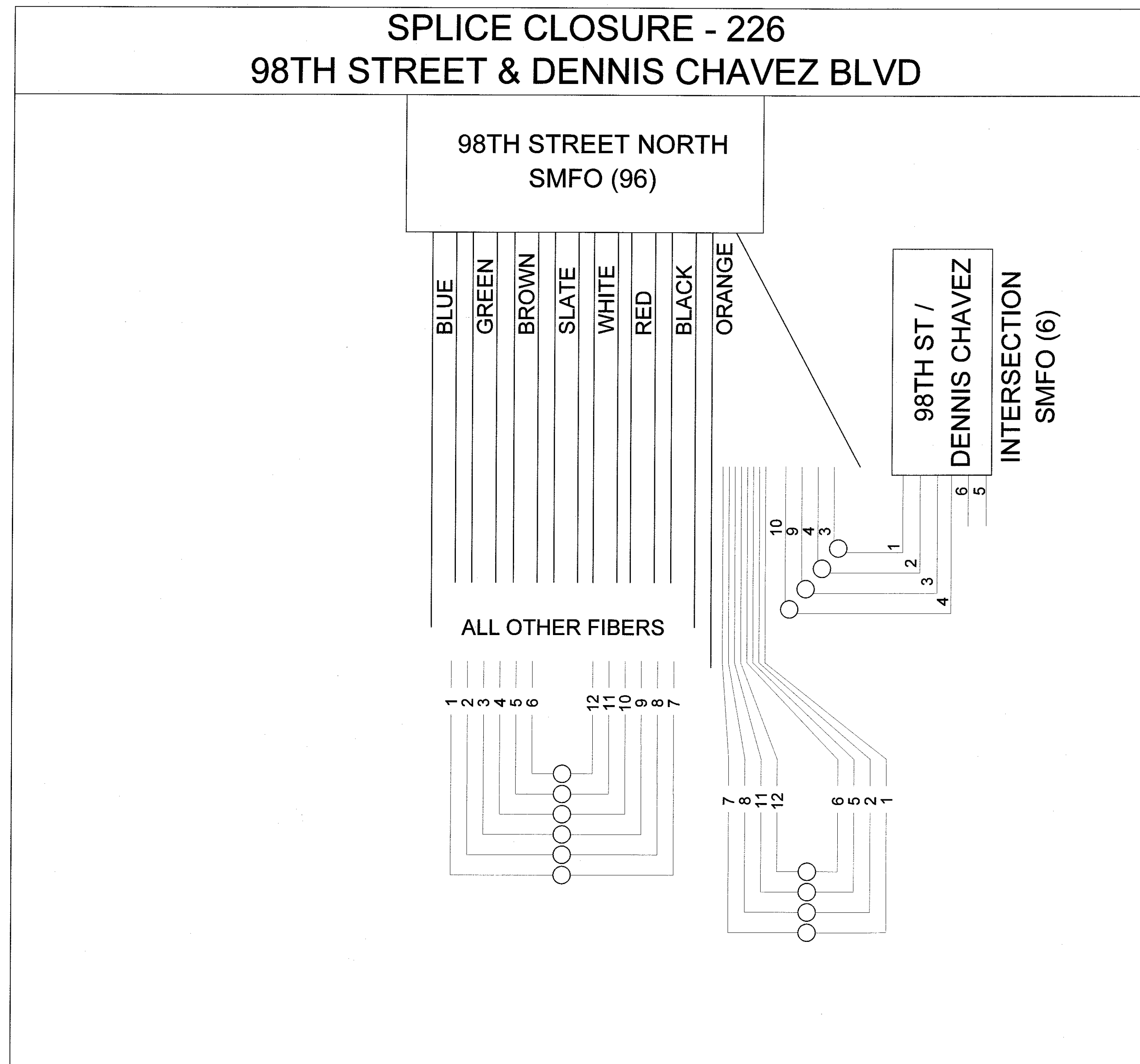
NO. DATE

DATE 06/19
DATE 06/19
DATE 06/19

CITY PROJECT NO. 614195

ZONE MAP NO. P-9-Z

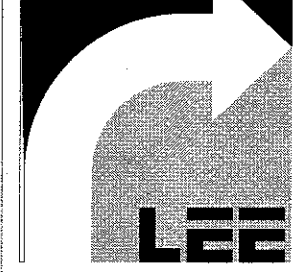



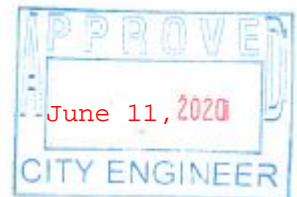
SHEET 22 OF 25

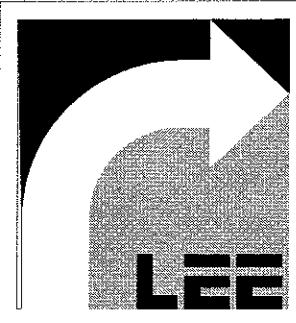
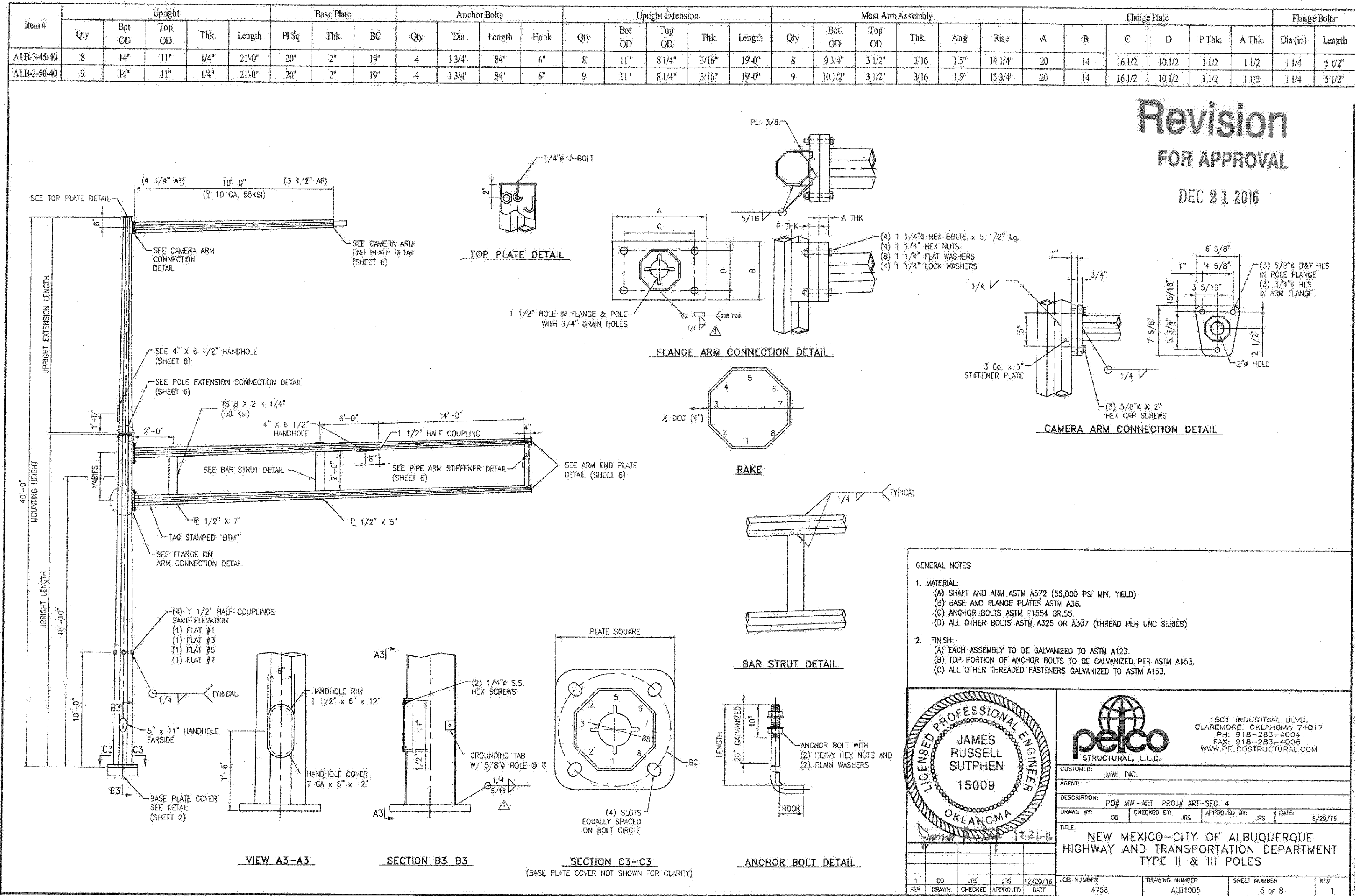


LEGEND:

- EXISTING FUSION SPLICE
● NEW FUSION SPLICE

BUFFER TUBE ASSIGNMENTS
BLUE - BACKBONE (NON LOCAL)
ORANGE - LOCAL
GREEN - LOCAL
BROWN -
SLATE -
WHITE -
RED - NMDOT
BLACK - BERNALILLO COUNTY

	8220 SAN PEDRO DRIVE NE SUITE 150 ALBUQUERQUE, NM 87113 505/338-0988 FAX 505/338-0989		REMARKS	REVISIONS	DESIGN	CS
			NO.	DATE	DESIGNED BY	SB
					DRAWN BY	PB
 MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 OFFICE (505) 828-2200, FAX (505) 797-9539					CHECKED BY	
<div style="text-align: center;">  <h2 style="margin: 0;">CITY OF ALBUQUERQUE</h2> <h3 style="margin: 0;">PUBLIC WORKS DEPARTMENT</h3> </div>						
TITLE: <i>CEJA VISTA OFF-SITE INFRASTRUCTURE FIBER SPLICE</i>						
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.		
						
CITY PROJECT NO. <i>614195</i>		ZONE MAP NO. <i>P-9-7</i>	SHEET <i>23</i>	OF <i>25</i>		



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: CEJA VISTA OFF-SITE INFRASTRUCTURE
SIGNAL GENERAL NOTES & LEGEND

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

FOR INFORMATION ONLY

CITY PROJECT NO. 614195 ZONE MAP NO. P-9-Z SHEET 24 OF 25

POLE EXTENSION CONNECTION DETAIL

PIPE ARM STIFFENER DETAIL

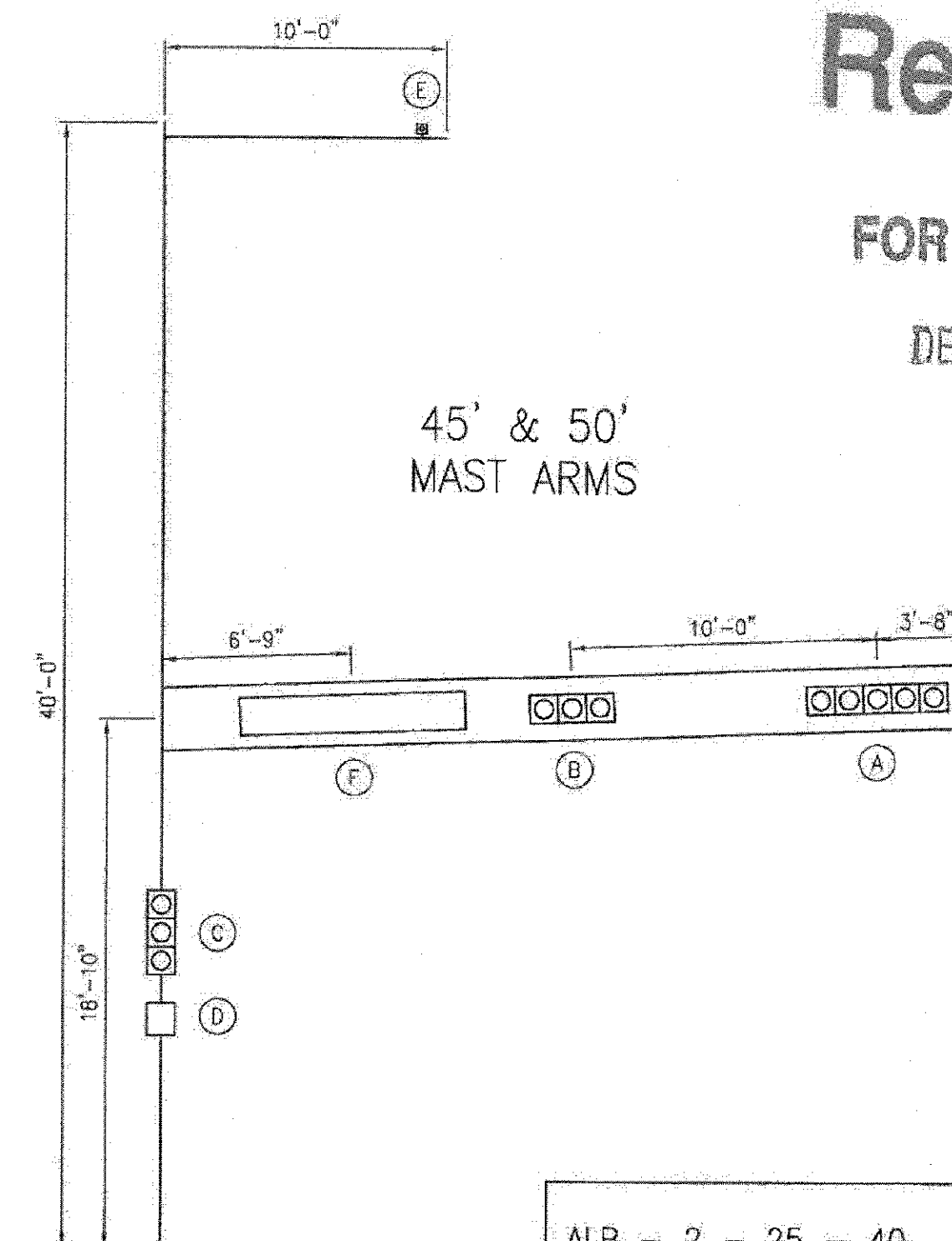
CAMERA ARM END PLATE DETAIL

ARM END PLATE DETAIL

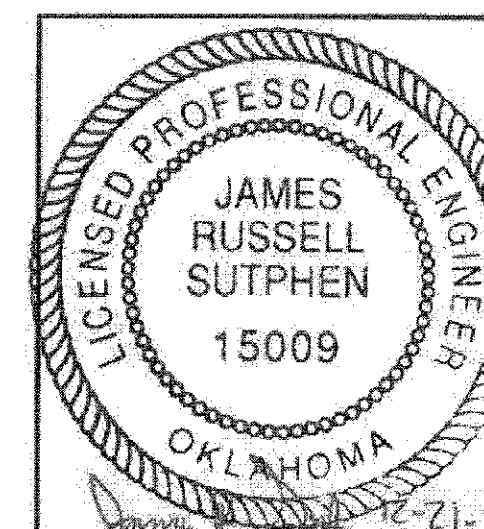
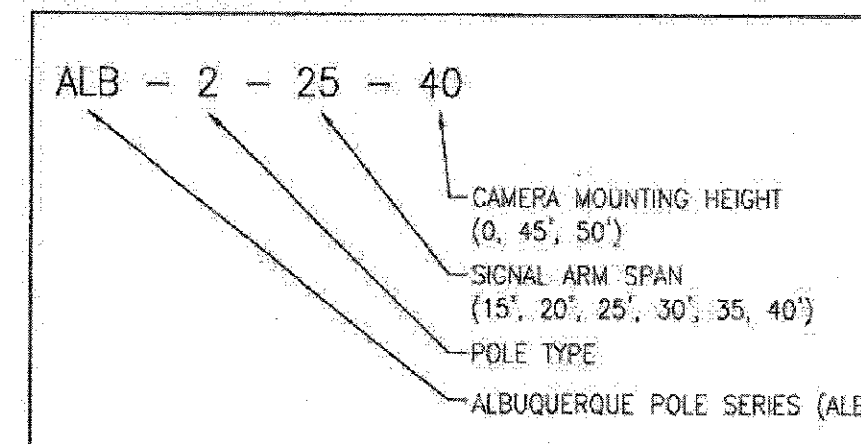
BASE PLATE COVER DETAIL

4" x 6 1/2" HANDHOLE DETAIL

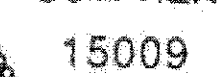
Device	Description	Proj. Area (FT ²)	Weight (LBS)
(A)	12" - 5 Section Signal With Backplate	13.33	75
(B)	Dual 12" - 3 Section Signal Without Backplates	8.20	100
(C)	Dual Pedestrian Signal	3.00	60
(D)	Video Camera	1.00 EPA	35
(E)	Free Swinging Street Name - 96" x 16"	3.00 EPA	35

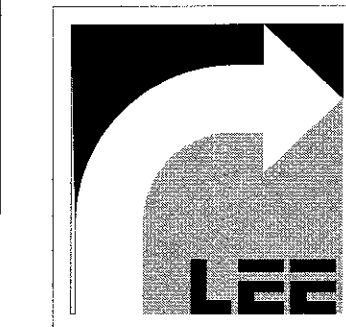


Revision
FOR APPROVAL
DEC 21 2016



1501 INDUSTRIAL BLVD.
CLAREMORE, OKLAHOMA 74017
PH: 918-283-4004
FAX: 918-283-4005
WWW.PELCOSTRUCTURAL.COM

	SUTPHEN 15009		STRUCTURAL, LLC.	
	CUSTOMER:		MWI, INC.	
	AGENT:			
	DESCRIPTION: PO# MWI-ANT PROJ# ANT-SEC. 4			
DRAWN BY: DO		CHECKED BY: JRS	APPROVED BY: JRS	DATE: 8/29/16
TITLE: NEW MEXICO-CITY OF ALBUQUERQUE HIGHWAY AND TRANSPORTATION DEPARTMENT TYPE II & III POLES				
1	DO	JRS	JRS	12/20/16
REV	DRAWN	CHECKED	APPROVED	DATE
JOB NUMBER		DRAWING NUMBER		SHEET NUMBER
4758		ALB1006		6 of 8
				REV 1



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PUBLIC WORKS DEPARTMENT

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SIGNAL GENERAL NOTES & LEGEND

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614195	P-9-Z	25	25