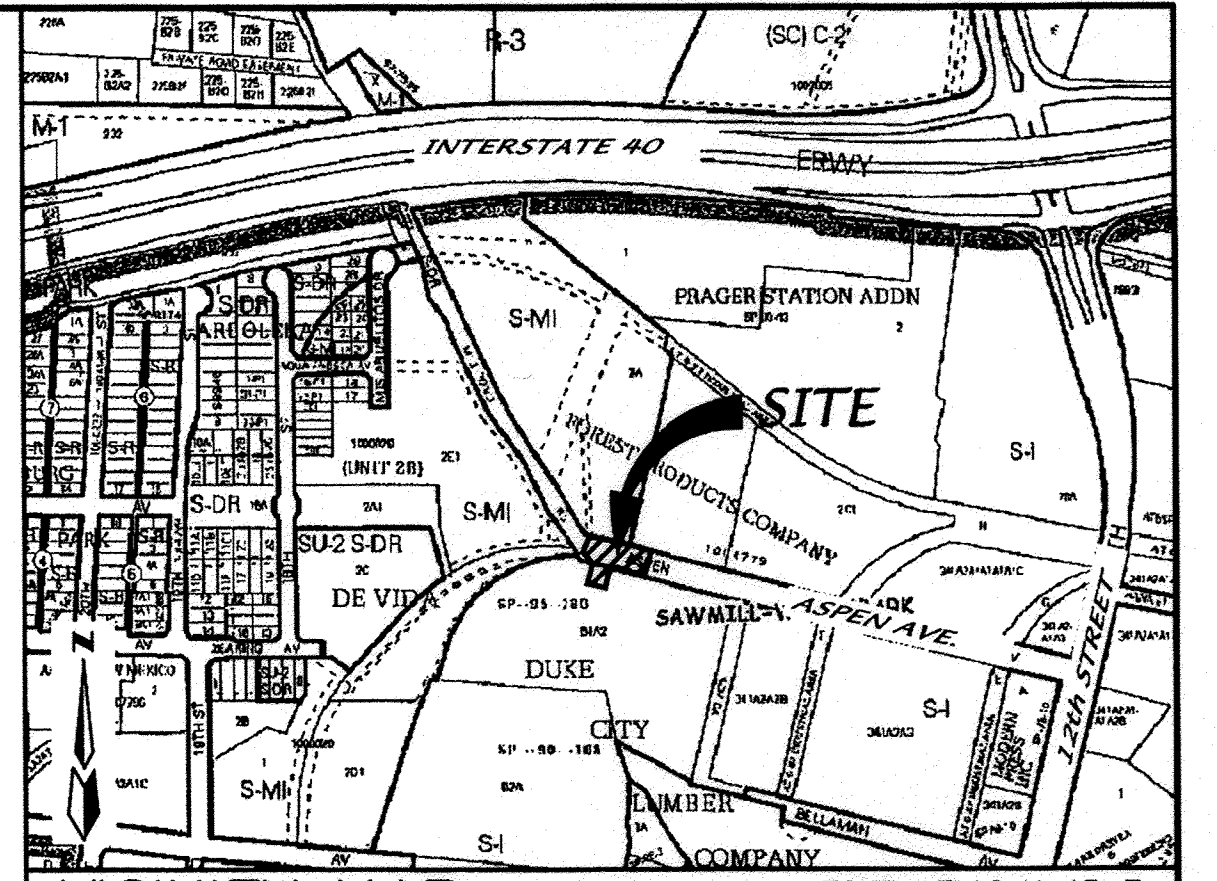


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-6175-181-2013

ANNED BY
PLANNING

CONSTRUCTION PLANS FOR *SAWMILL CROSSING* UNIT 1A

ALBUQUERQUE, NEW MEXICO



VICINITY MAP SCALE: NONE
GENERAL 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 #8.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) 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 WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC 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 [HTTP://ABCWJA.ORG/CONTENT/VIEW/463/729/](http://abcwja.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 GROUTED 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 #8.
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.

NOTE:
CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

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. DISTURBANCE OF EXISTING UTILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 826-2200, FAX (505) 787-9539

REV.	SHEETS	BY	ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	6	WLB	WLB	8/9/2013	Engineering	8-9-13		

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****
	DRC CHAIRMAN	Woodhull	2/26/13	APPROVED FOR CONSTRUCTION
	TRANSPORTATION	Woodhull	01/14/13	
	WATER/WASTEWATER	Woodhull	1-14-13	
	HYDROLOGY	Woodhull	01/14/13	
	CIP	Woodhull	01/14/13	
CONSTR. MNGMT.				
CONSTR. COORD.				

CITY PROJECT NO. 617587
SHEET 1 OF 6

RECORD DRAWING CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, John MacKenzie, NMPE 11619, 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 direct supervision and survey information provided by Jason Smith, NMPS number 17122.

John M. MacKenzie 09-18-13
John M. MacKenzie NMPE 11619

(on every sheet put:)

I, John MacKenzie, certify that this electronic version is identical to the original reproducible APPROVED FOR CONSTRUCTION drawings signed by me on January 7 and January 29, 2013.

(on cover sheet only put:)

This set of drawings is accepted for RECORD purposes by _____ on _____ 2013.

INDEX TO DRAWINGS

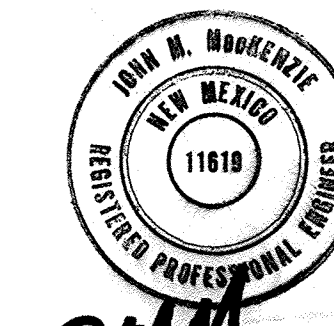
SHEET NO.	SHEET NO.
1	TITLE SHEET
2	GRADING & DRAINAGE PLAN
3	MASTER PAVING PLAN
4	STRIPING, SIGNAGE & PAVING DETAILS
5	PAVING IMPROVEMENTS
6	UTILITY IMPROVEMENTS

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Paul Allen
DATE 10-24-2013

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE

DRB NO. 1009046

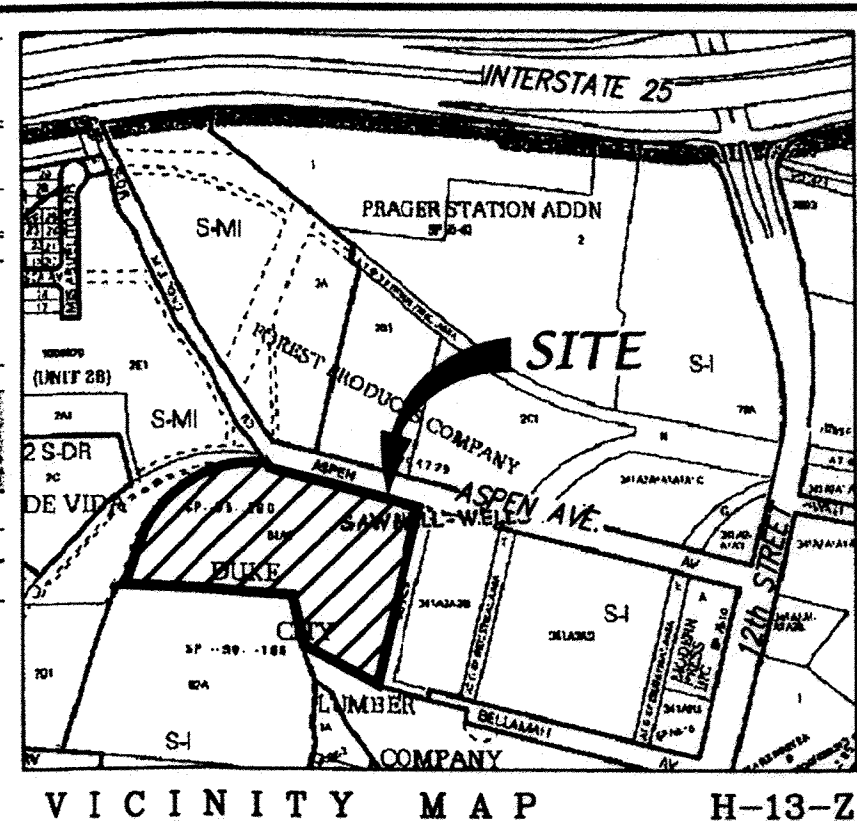
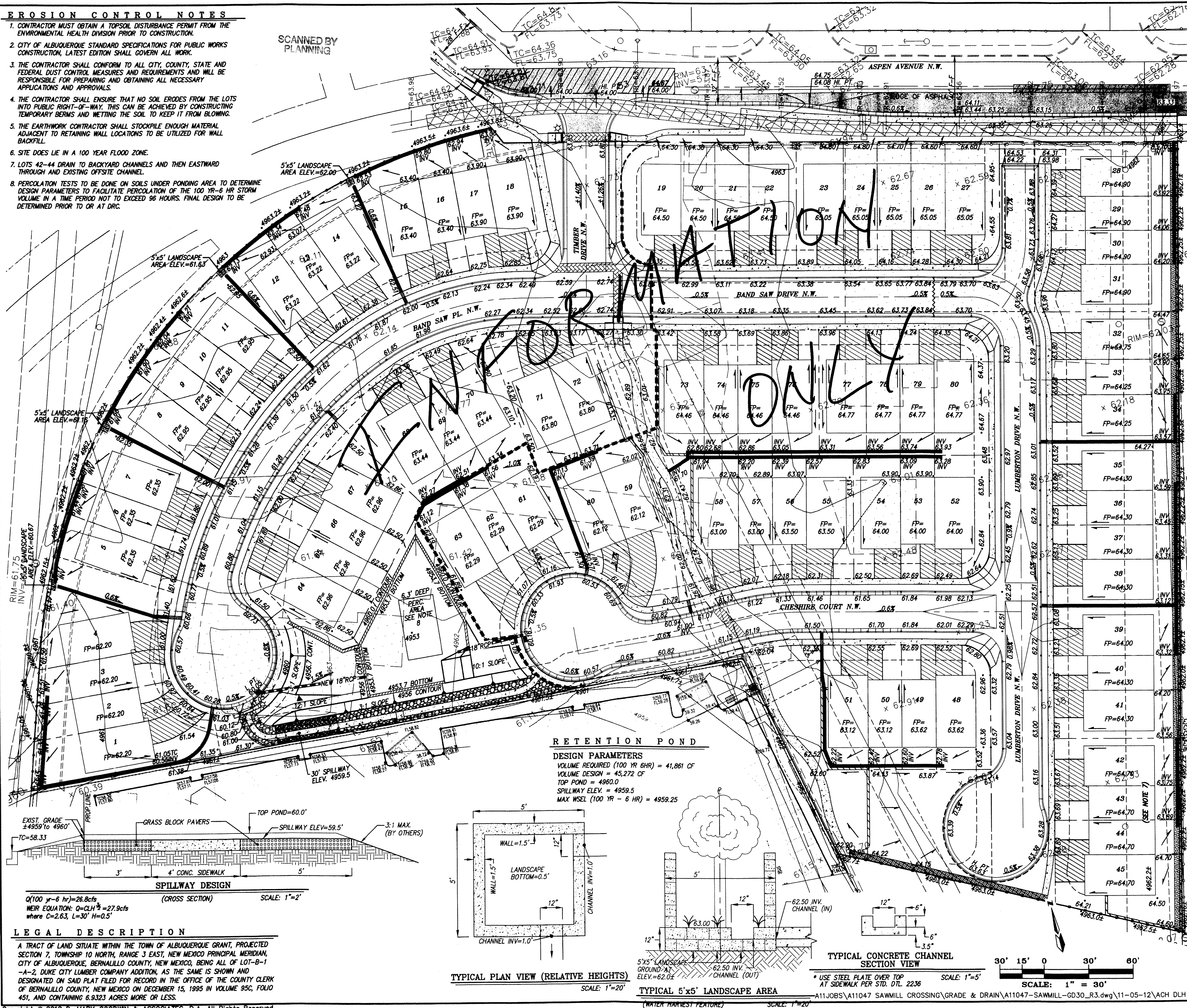


9MM 01-07-13

EROSION CONTROL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
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 LIE IN A 100 YEAR FLOOD ZONE.
7. LOTS 42-44 DRAIN TO BACKYARD CHANNELS AND THEN EASTWARD THROUGH AND EXISTING OFFSITE CHANNEL.
8. PERCOLATION TESTS TO BE DONE ON SOILS UNDER PONDING AREA TO DETERMINE DESIGN PARAMETERS TO FACILITATE PERCOLATION OF THE 100 YR-6 HR STORM VOLUME IN A TIME PERIOD NOT TO EXCEED 96 HOURS. FINAL DESIGN TO BE DETERMINED PRIOR TO OR AT DRC.

SCANNED BY
PLANNING



- | LEGEND | |
|--------|--|
| | EXIST. TOP CURB/FLOWLINE |
| | EXIST. CONCRETE/SIDEWALK |
| | EXIST. SPOT ELEVATION |
| | EXIST. FIRE HYDRANT |
| | EXIST. GUY WIRE |
| | EXIST. OVERHEAD ELECTRIC |
| | EXIST. POWER POLE |
| | EXIST. SANITARY SEWER MANHOLE |
| | EXIST. WATER VALVE |
| | EXIST. RAILROAD TRACKS |
| | EXIST. SIGN |
| | EXIST. DROP INLET |
| | EXIST. TELEPHONE PEDESTAL |
| | EXIST. WATER METER |
| | EXIST. STORM DRAIN MANHOLE |
| | NEW PROPERTY LINE |
| | NEW LOT LINES |
| | NEW RIGHT-OF-WAY |
| | NEW CENTER LINE |
| | NEW MOUNTABLE CURB & GUTTER |
| | NEW STANDARD CURB & GUTTER |
| | NEW SPOT ELEVATION |
| | NEW SWALE |
| | NEW FINISHED PAD ELEVATION |
| | NEW RUNOFF DIRECTION |
| | NEW WATER BLOCK |
| | NEW RETAINING WALL |
| | NEW GARDEN WALL |
| | NEW STORM DRAIN INLET |
| | NEW STORM DRAIN |
| | NEW SIDEWALK GRATE |
| | NEW SLOPE |
| | NEW CONTOUR |
| | NEW TOWNHOME ROOF RUNOFF TO FRONT YARD |
| | NEW 6' CRUSHER FINE TRAIL |
| | NEW 1' WIDE DRAINAGE CHANNEL |
| | NEW EXIST. RAILROAD TRACK NO CONSTRUCTION ZONE |
| | NEW LANDSCAPE AREA |
| | NEW OPENING IN WALL TO ALLOW RUNOFF TO PASS |
| | NEW 6' SIDEWALK |
| | NEW DRIVE PADS |
| | NEW PHASE LINE |
| | NEW OFFSITE PAVEMENT |

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9511

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

E:

**SAWMILL CROSS
GRADING & DRAINAGE**

REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LOCATE
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PROJECT NO.	6175847	ZONE MAP	H-1
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Not For Construction

[illegible]

RAILROAD CONSTRUCTION NOTES (PERTAINS WORK TO OTHERS)

- ALL WORK WITHIN CROSS-HATCHED RAILROAD TRACK AREA SHALL BE PERFORMED ONLY BY A N.M.D.O.T. - APPROVED CONTRACTOR BY SEPARATE CONTRACT IN ACCORDANCE WITH A RAILROAD CROSSING DESIGN APPROVED BY THE N.M.D.O.T. CROSSING WORK SHALL BE PERFORMED FIRST AND THE CITY WORK-ORDER IMPROVEMENTS SHOWN HEREON SHALL MATCH UP TO THE LINES AND GRADES PROVIDED BY THE N.M.D.O.T. CONTRACTOR.

SUBDIVISION CONSTRUCTION NOTES (THIS PROJECT)

- ALL NEW SIDEWALKS TO BE INSTALLED SHALL BE PER COA STD. DWG 2430.
- ALL 6" VALLEY GUTTERS PER COA STD. DWG 2420.
- ALL HANDICAP RAMPS ARE PER COA DETAIL 2441, CASE II WITH ADA COMPLIANT TRUNCATED DOMES. SUBMIT SPECIFICATIONS TO CONSTRUCTION ENGINEER PRIOR TO CONSTRUCTION.
- TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10 FEET, EXCEPT AS OTHERWISE NOTED HEREON.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET PER C.O.A. STD DETAIL 2401.
- PATTERNED CONCRETE SHALL BE 6" THICK AND PER C.O.A. STANDARD. CONCRETE SCORING SHALL NOT BE DEEPER THAN 1/2" AND NOT WIDER THAN 1/4".
- TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB AT INTERSECTIONS SHALL OCCUR THROUGH THE HC RAMP PER COA STD. DWG 2418.
- SOIL NOT HAVING THE MINIMUM R-VALUE > 50 FOR STREETS SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCORDING TO THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS.
- ALL MOUNTABLE CURB & GUTTER PER COA STD. DWG 2415A.
- ALL DEPRESSED GUTTER PER COA STD. DWG 2415A.
- ALL STANDARD CURB & GUTTER PER COA STD. DWG 2415A.
- ALL NEW SIDEWALK CULVERTS ARE 12" WIDE AND TO BE INSTALLED ACCORDING TO C.O.A. STANDARD DWG #2236. TACK WELD THE BOLTS AT THE PLATE. SEE DETAIL THIS SHEET FOR CULVERTS ON MOUNTABLE CURB.
- SIDEWALKS FRONTING LOTS 1-4 SHALL BE 6" THICK.
- PROVIDE A MINIMUM 2 FOOT TRANSITION FROM EAST SIDE OF DRIVEWAY ON LOT 1 TO THE SIDEWALK CULVERT PROPOSED JUST TO THE EAST OF IT.

SAWMILL CROSSING SUBDIVISION
(CONSTRUCTION BY OTHERS)

LEGEND

- EXIST. FIRE HYDRANT
- EXIST. GUY WIRE
- EXIST. OVERHEAD ELECTRIC
- EXIST. POWER POLE
- EXIST. RAILROAD TRACKS
- EXIST. SIGN
- EXIST. TELEPHONE PEDESTAL
- PERIMETER BOUNDARY
- NEW LOT LINES
- NEW RIGHT-OF-WAY
- NEW CENTER LINE
- NEW MOUNTABLE CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW EASEMENT
- NEW RETAINING WALL
- NEW GARDEN WALL BY OTHERS (FOR INFORMATION ONLY)
- NEW SIDEWALK THIS PROJECT
- NEW 12" SIDEWALK CULVERT
- NEW 12" DRAINAGE CHANNEL (BY OTHERS)
- NEW DRIVE PADS (BY OTHERS)
- NEW PATTERNED CONCRETE
- FUTURE PROPERTY LINE
- FUTURE LOT LINES
- FUTURE RIGHT-OF-WAY
- FUTURE CENTER LINE
- FUTURE MOUNTABLE CURB & GUTTER
- FUTURE STANDARD CURB & GUTTER
- FUTURE EASEMENT
- FUTURE RETAINING WALL
- FUTURE GARDEN WALL
- FUTURE SIDEWALK GRATE
- FUTURE 12" DRAINAGE CHANNEL
- EXISTING CURB & GUTTER
- REMOVE & DISPOSE OF PRIVATE RAILROAD TRACK
- INSTALL NEW PAVEMENT (THIS PROJECT) (SEE SECTION DETAIL ON SHEET 304)
- EXISTING RAILROAD EASEMENT (NO WORK ZONE)
- REMOVE EXISTING PAVEMENT (THIS PROJECT)

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, John MacKenzie, NMPE 11619, 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 Jason Smith NMPS number 17122.

John MacKenzie 09.18.13

dmg

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



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: SAWMILL CROSSING
UNIT 1A
MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE

APPROVED
FEB 28 2013
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED
APR 17 2013
CITY ENGINEER

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

LAST DESIGN UPDATE

CITY PROJECT NO.

617587

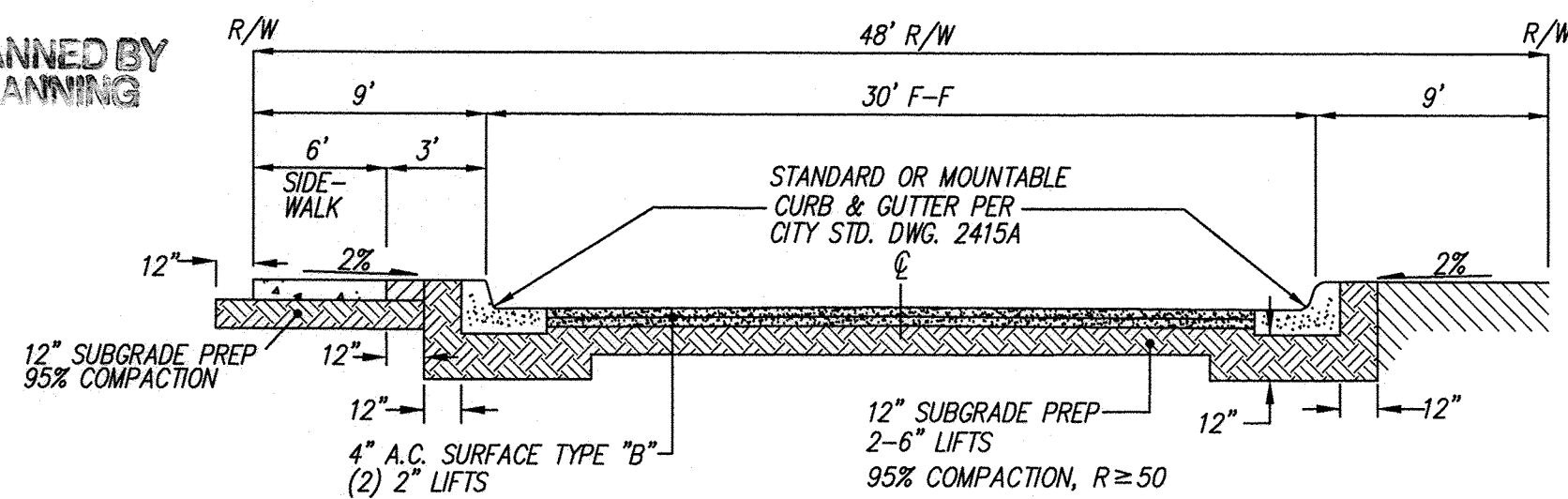
ZONE MAP NO.

H-13-Z

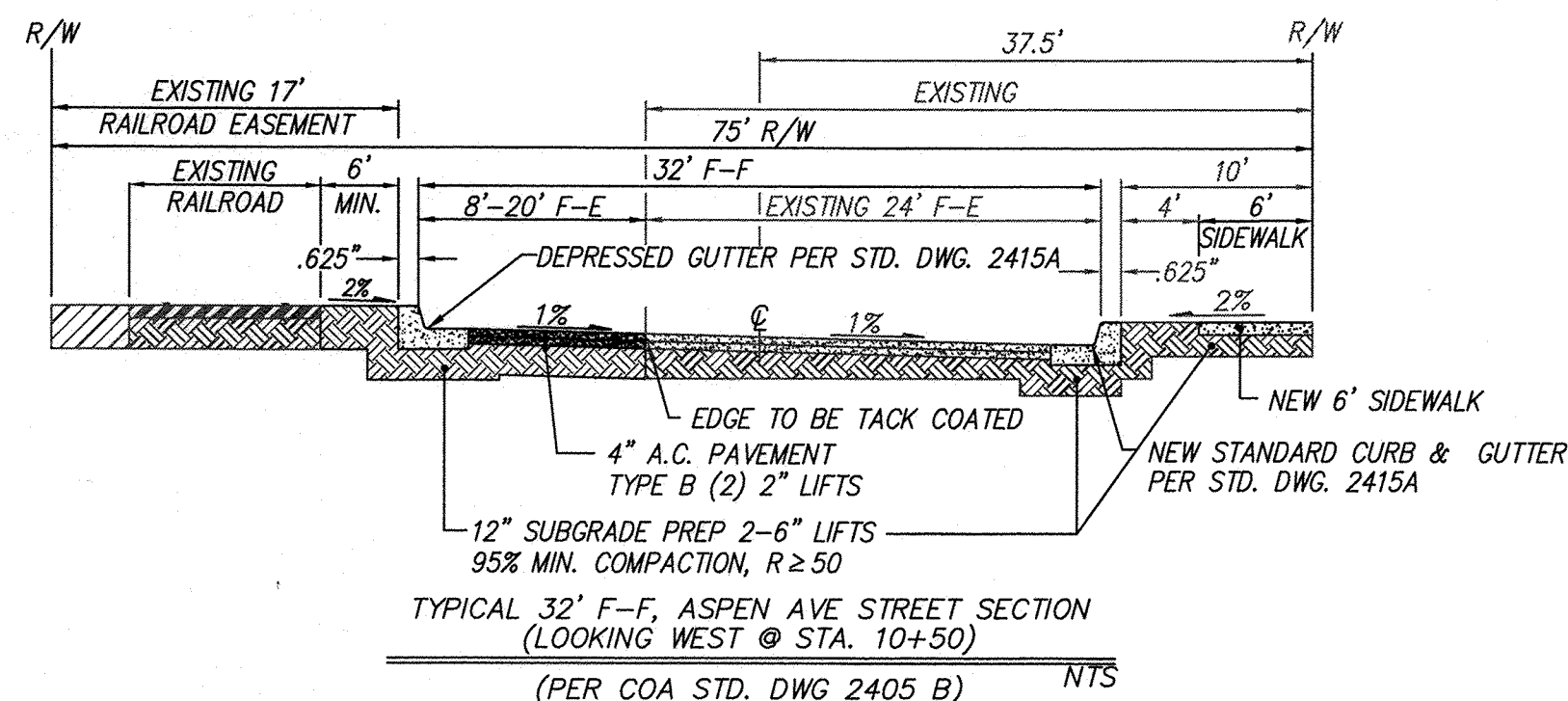
SHEET OF

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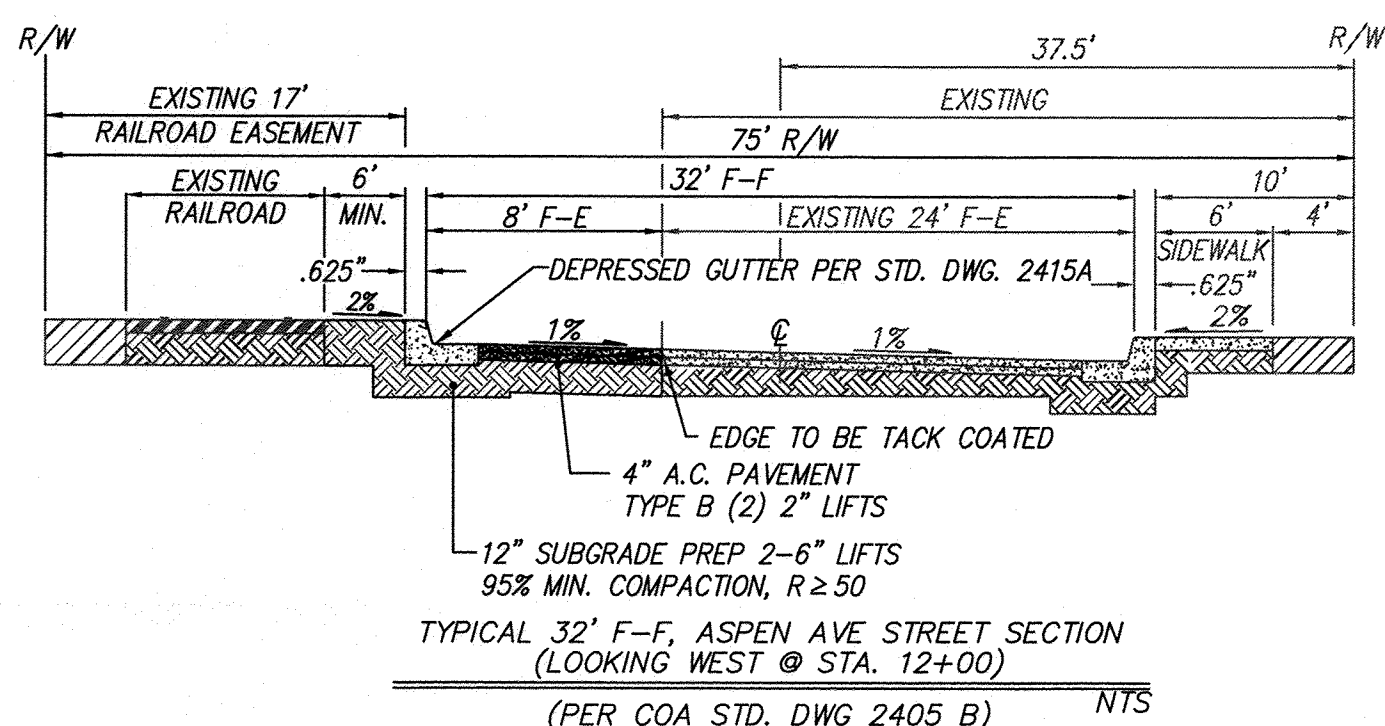
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PLANNING



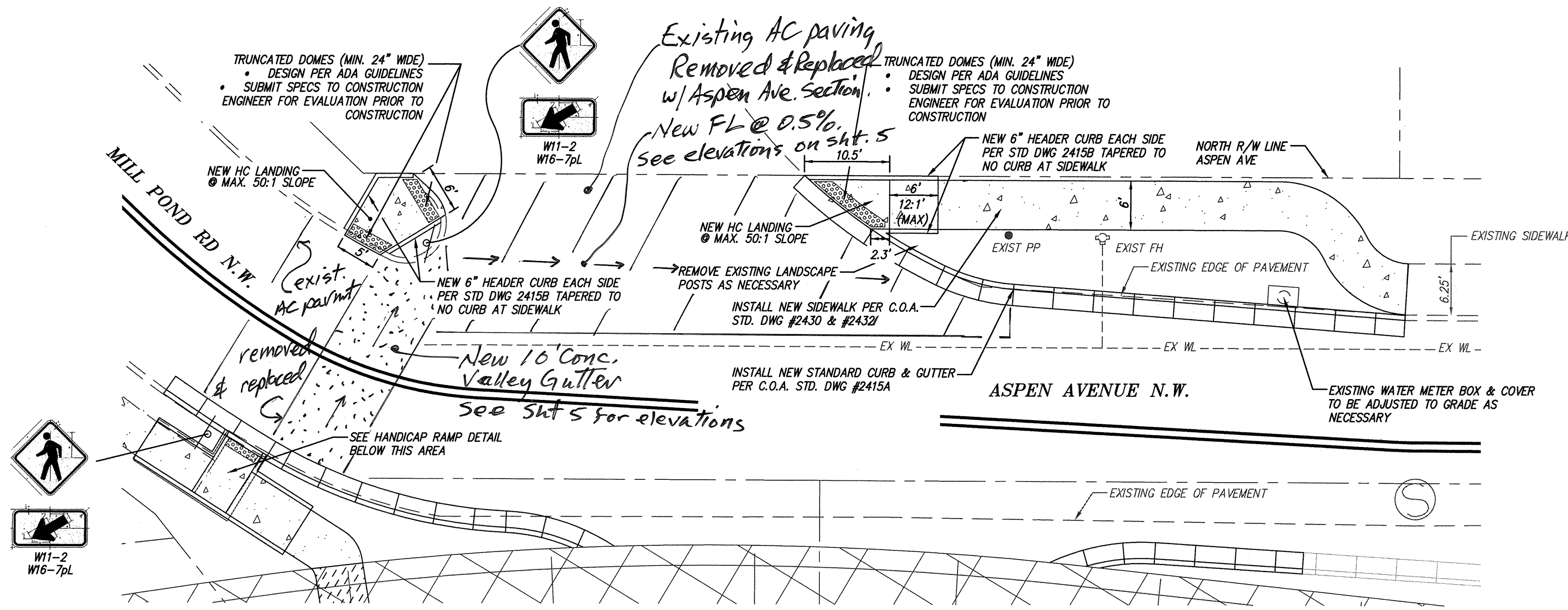
TYPICAL 30' F-F TIMBER DRIVE STREET SECTION (LOOKING NORTH)
(STD. DWG #2405B) NTS



TYPICAL 32' F-F ASPEN AVE STREET SECTION
(LOOKING WEST @ STA. 10+50)
(PER COA STD. DWG 2405 B) NTS

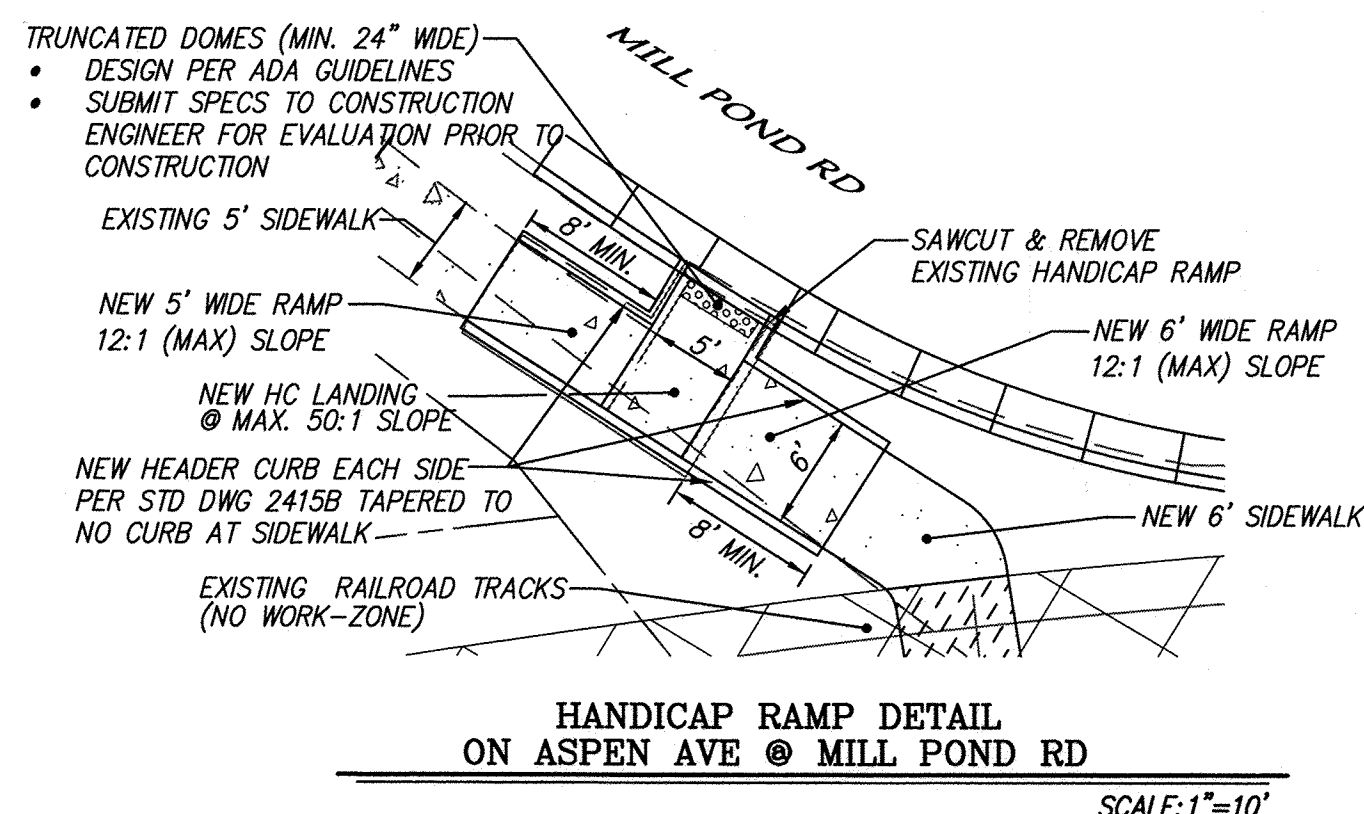


TYPICAL 32' F-F ASPEN AVE STREET SECTION
(LOOKING WEST @ STA. 12+00)
(PER COA STD. DWG 2405 B) NTS



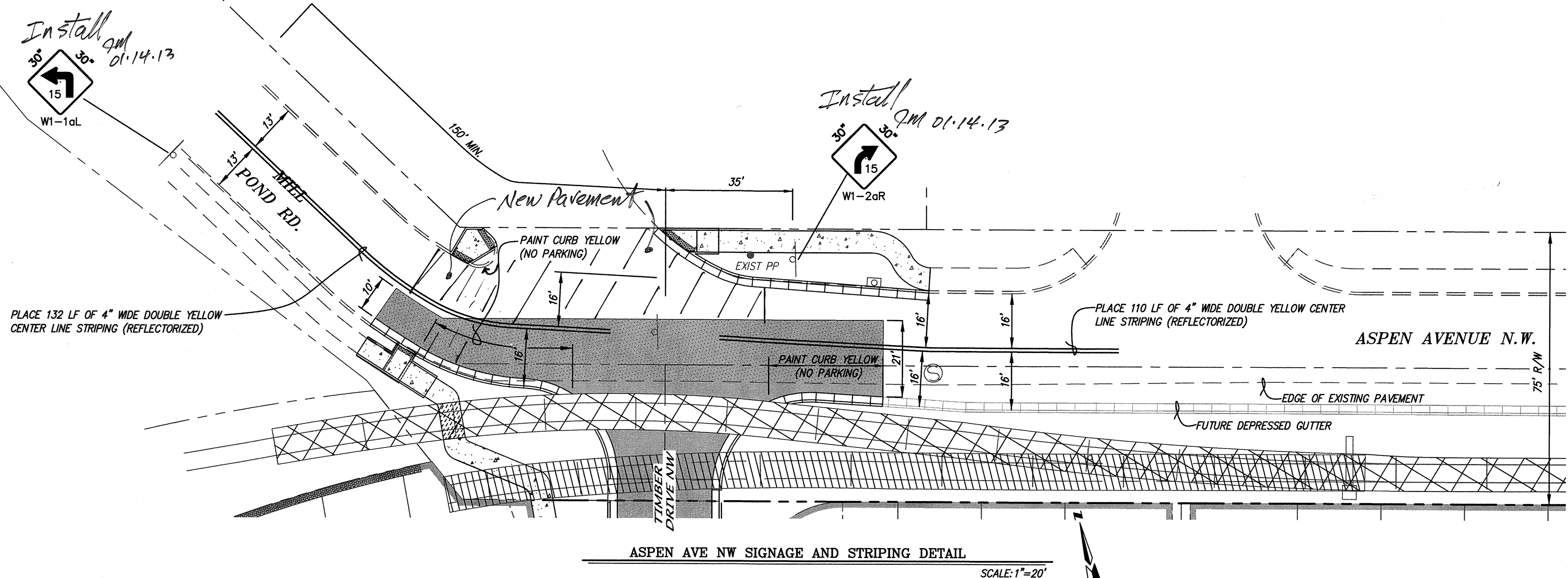
NORTH ASPEN AVE SIDEWALK DETAIL

SCALE: 1"=10'



HANDICAP RAMP DETAIL
ON ASPEN AVE @ MILL POND RD

SCALE: 1"=10'



ASPEN AVE NW SIGNAGE AND STRIPING DETAIL

SCALE: 1"=20'

Record

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	INSPECTOR	DATE	ACROSS	DATE	BY	DATE	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.
Franklin's Earthmoving	08/13	Don Smith	08/13	ACROSS	08/13	Don Smith	08/13								
INSPECTOR	DATE	INSPECTOR	DATE	ACROSS	DATE	BY	DATE	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.
Don Smith	08/13	Don Smith	08/13	ACROSS	08/13	Don Smith	08/13								
VERIFICATION	DATE	VERIFICATION	DATE	ACROSS	DATE	BY	DATE	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.
Don Smith	08/13	Don Smith	08/13	ACROSS	08/13	Don Smith	08/13								
CORRECTION	DATE	CORRECTION	DATE	ACROSS	DATE	BY	DATE	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.
Don Smith	08/13	Don Smith	08/13	ACROSS	08/13	Don Smith	08/13								
RECORDED BY	DATE	RECORDED BY	DATE	ACROSS	DATE	BY	DATE	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.
Don Smith	08/13	Don Smith	08/13	ACROSS	08/13	Don Smith	08/13								
NO.		NO.		ACROSS											
				ACROSS											

Public Railroad Crossing:
Construction Agreement -
2013020134 02/25/2013
Construction & Maintenance Agreement -
2013020135 02/25/2013

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, John MacKenzie, NMPE 11619, 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 Jason Smith NMPS number 17122.

John MacKenzie 09.18.13

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

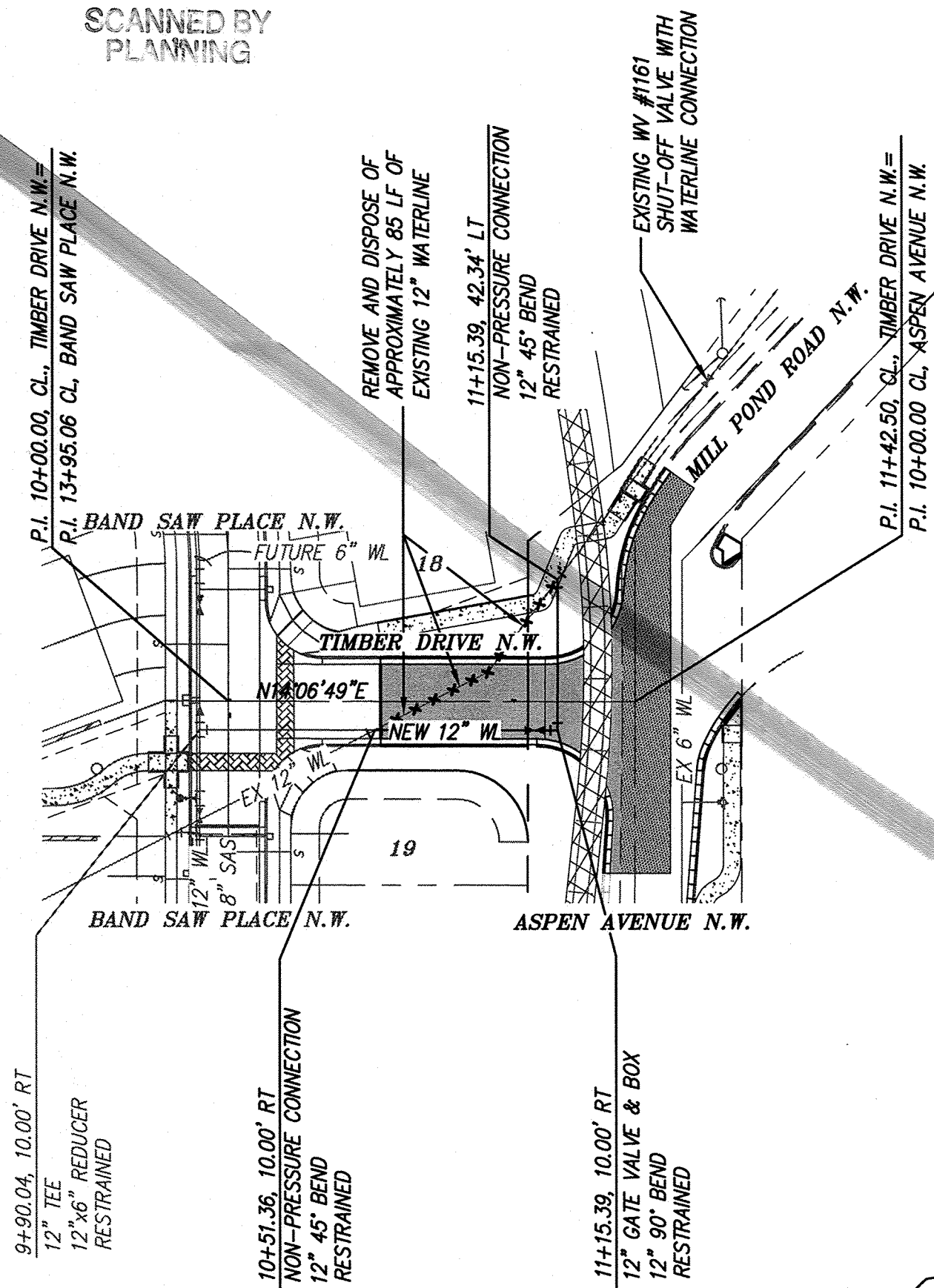
TITLE: SAWMILL CROSSING
UNIT 1A
STRIPING, SIGNAGE & PAVING DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED FEB 28 2013 DESIGN REVIEW COMMITTEE	APPROVED MAR 17 2013 CITY ENGINEER		

CITY PROJECT NO. 617587 ZONE MAP NO. H-13-Z SHEET 4 OF 6

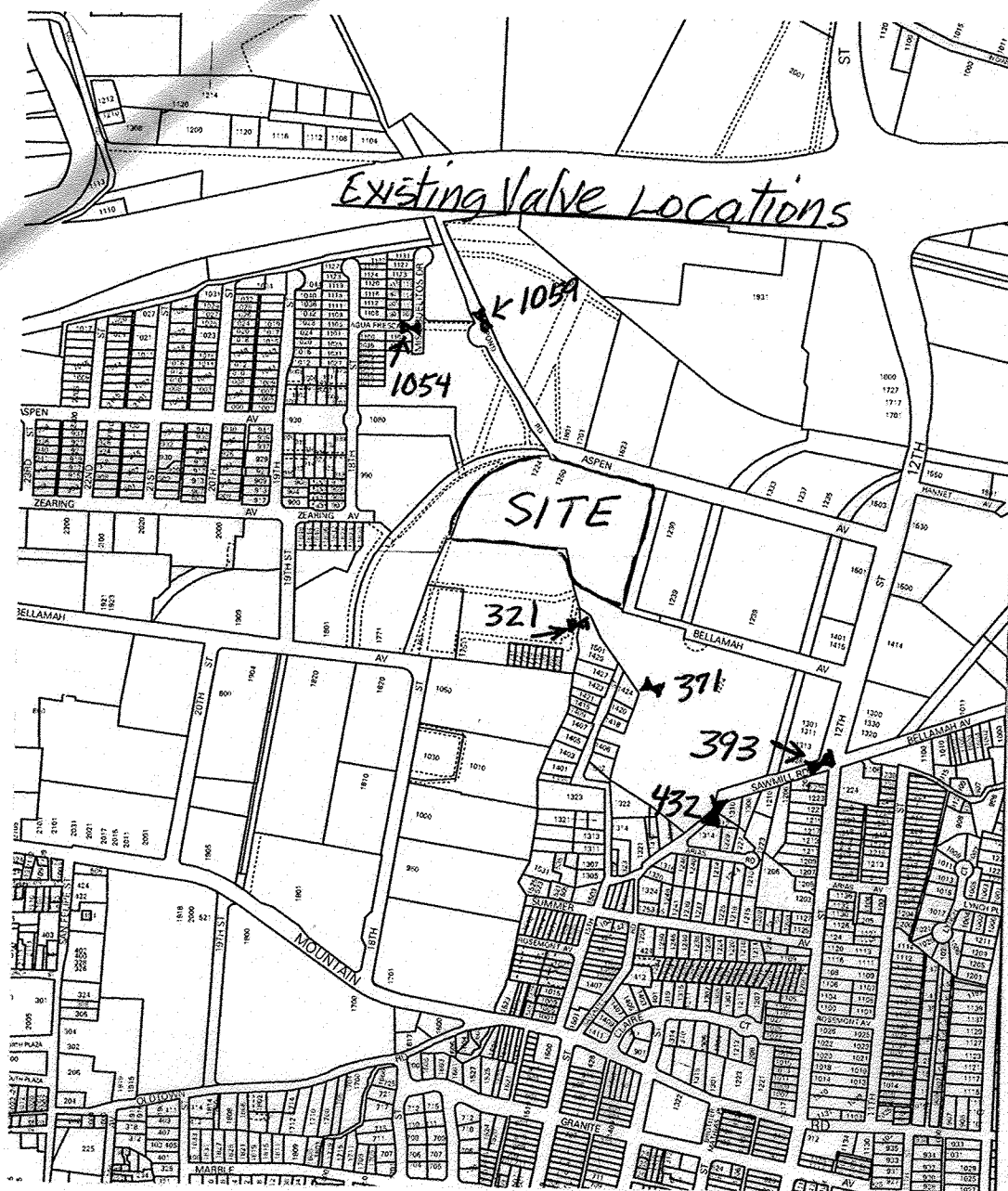
Record

SCANNED BY
PLANNING



GPS AS-BUILT GV INFO
X= _____
Y= _____

SCALE: 1" = 50'
TIMBER DRIVE N.W.
STA. 9+90.04 TO STA. 11+42.50
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'



NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PUBLIC ROADWAY.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
12"	30'	12'	6'	3'	85'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
12" X 6"	62'	121'

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x12"	18'	3'
12"x12"x6"	5'	1'

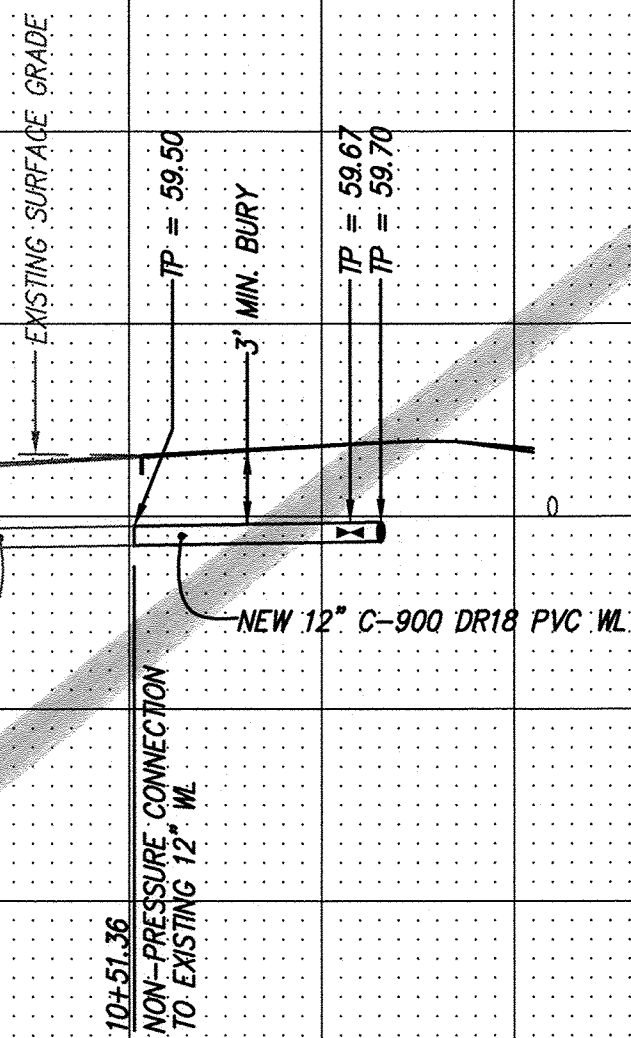
WATER VALVE SHUT-OFF PLAN

- CONTRACTOR SHALL MAKE SHUT OFF REQUEST ONLINE AT <http://abcwva.org/content/view/full/729/>
- VALVES SHALL ONLY BE OPERATED BY WATER AUTHORITY EMPLOYEES.
- PRESSURE CONNECTION IN ASPEN AVENUE, SHUT OFF EXISTING VALVE #1161. (SEE THIS SHEET FOR LOCATION) 2/12/13
- FOR NON-PRESSURE CONNECTION AT SOUTH END OF EXISTING 12" WL, SHUT OFF EXISTING VALVES 321, 393, 432 and 1161, including 1054 and 1059 north of site if necessary

NAVD 88

UNIT 1A CONSTRUCTION
THIS PROJECT

UNIT 1A CONSTRUCTION
(NOT THIS PROJECT)



Replaced
by
Sheet 6R

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CONSULTING ENGINEERS
P.O. BOX 90606
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(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: SAWMILL CROSSING - UNIT 1A
TIMBER DRIVE N.W.
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE
APPROVED
FEB 26 2013
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
APR 17 2013
CITY ENGINEER

LAST DESIGN UPDATE

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

CITY PROJECT NO.

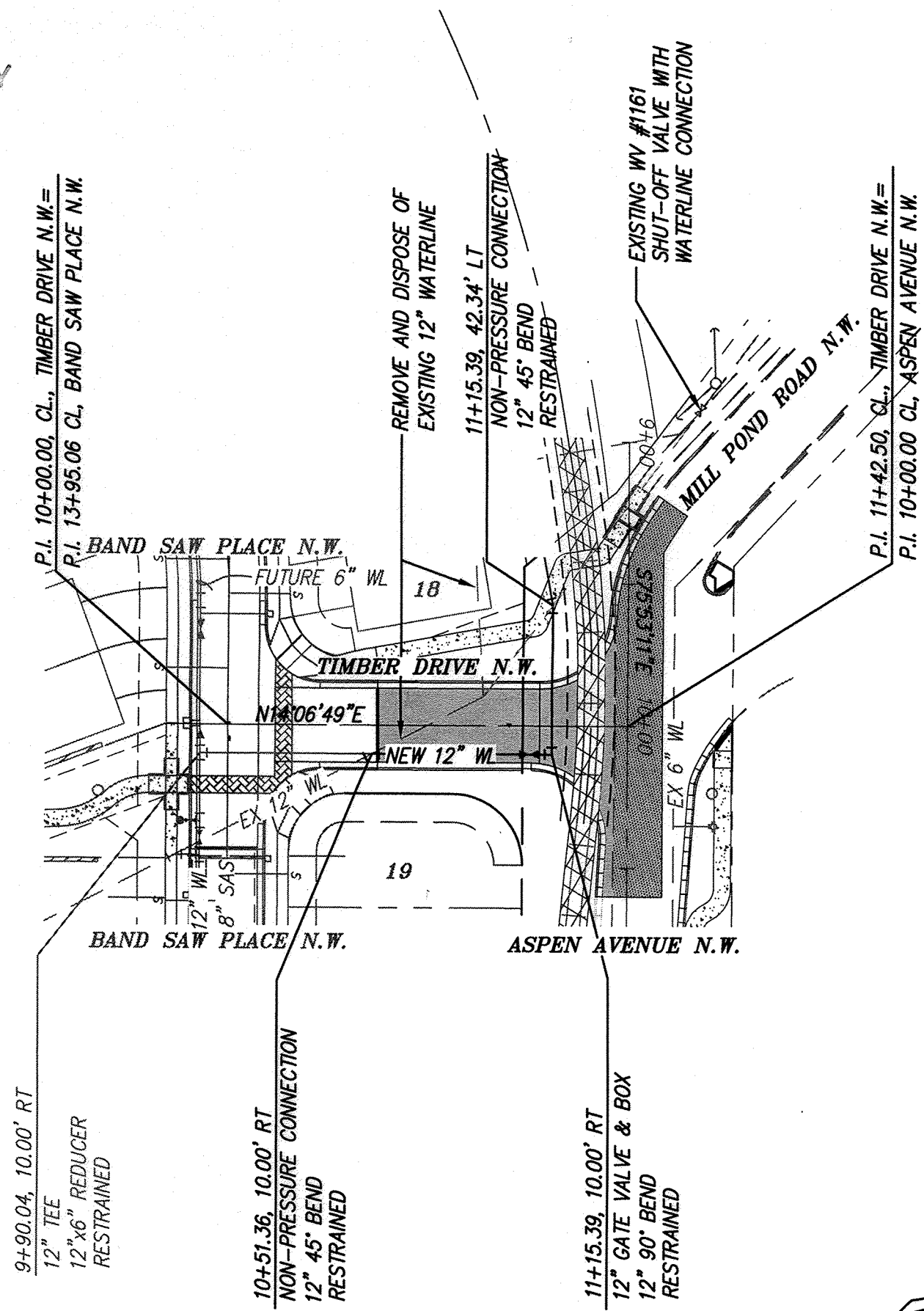
ZONE MAP NO.

SHEET OF

617587

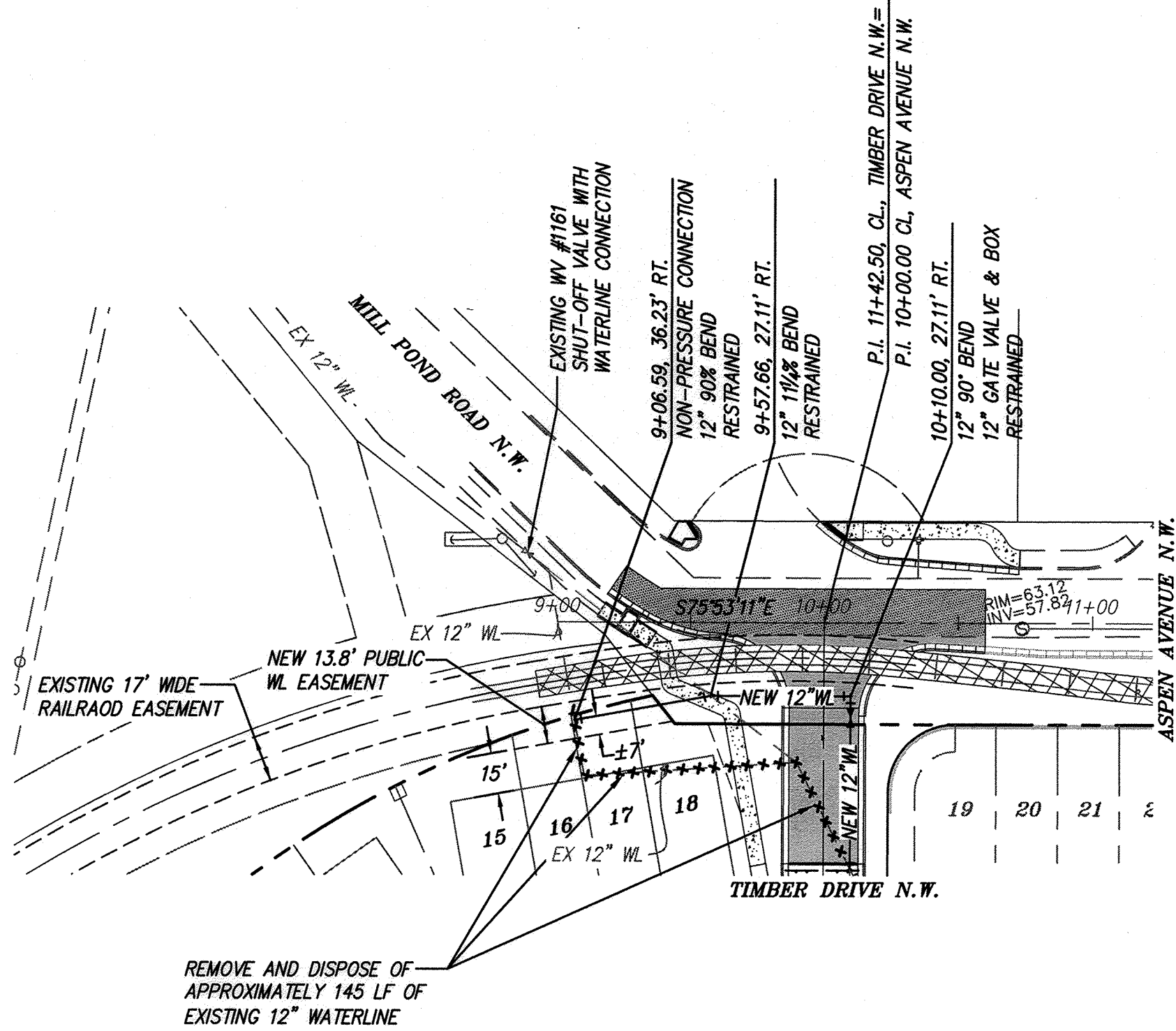
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GPS AS-BUILT BY INFO
X=1517047.52
Y=1493089.56

SCALE: 1" = 50'
TIMBER DRIVE N.W.
STA. 9+90.04 TO STA. 11+42.50
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



RAIL ROAD TRACK NO CONSTRUCTION AREA
(NOT PART OF THIS CONTRACT)

SCALE: 1" = 50'
12" WATER LINE
STA. 9+19.20 TO STA. 10+10.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PUBLIC ROADWAY.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
12"	30'	12'	6'	3'	85'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
12" X 6"	62'	121'

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x12"	18'	3'
12"x12"x6"	5'	1'

WATER VALVE SHUT-OFF PLAN

- CONTRACTOR SHALL MAKE SHUT OFF REQUEST ONLINE AT <http://abcwua.org/content/view/full/729/>
- VALVES SHALL ONLY BE OPERATED BY WATER AUTHORITY EMPLOYEES.
- PRESSURE CONNECTION IN ASPEN AVENUE, SHUT OFF EXISTING VALVE #1191. (SEE THIS SHEET FOR LOCATION)
- FOR NON-PRESSURE CONNECTION AT SOUTH END OF EXISTING 12" WL, SHUT OFF EXISTING VALVES #1191 AND #1192. (SEE SHEET 3 FOR LOCATION)

321, 371, 393
432 and 4161, including 1054
and 1059 north of Site, is
Necessary

UNIT 1 CONSTRUCTION
(NOT THIS PROJECT)

UNIT 1A
CONSTRUCTION
THIS PROJECT

NAVD 88

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, John MacKenzie, NMPE 11619, 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 Jason Smith NMPS number 17122.

John MacKenzie 09.18.13

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TIMBER DRIVE N.W./12" WATER LINE
UTILITY PLAN AND PROFILE

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