

# SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION

SANDOVAL COUNTY  
BERNALILLO, NEW MEXICO



## 100% SUBMITTAL

AUGUST 2024

APPROVALS

SANDOVAL COUNTY

DEPARTMENT OF PUBLIC WORKS

DATE

SUBDIVIDER:

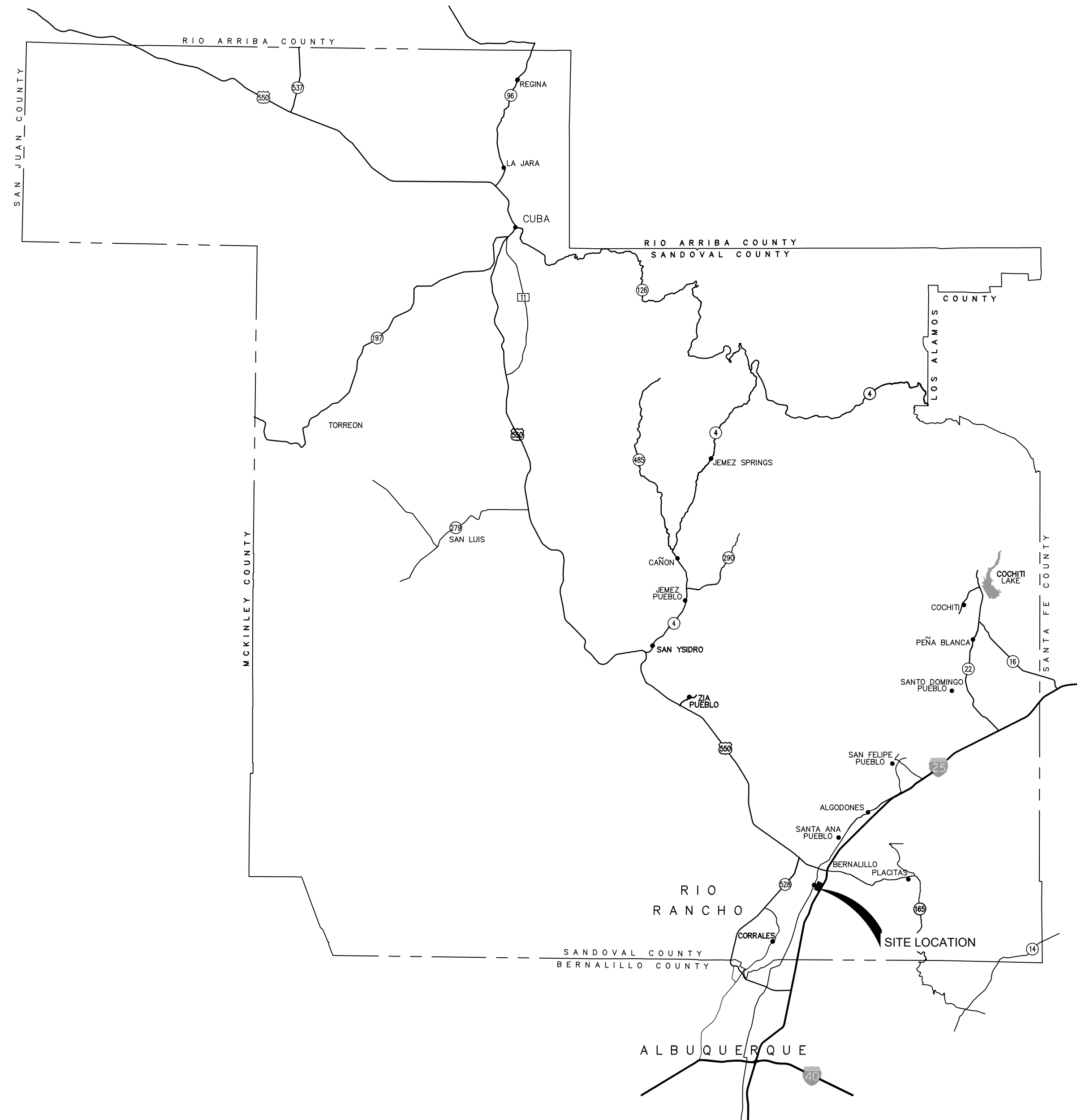
SANDOVAL COUNTY  
2708 IRIS ROAD NE  
RIO RANCHO, NM 87144  
  
MARK HATZEN BUHLER  
PHONE # (505) 771-8500

AGENT/ENGINEER:

HUITT-ZOLLARS, INC.  
333 RIO RANCHO DRIVE NE, SUITE 101  
RIO RANCHO, NM 87124  
DONALD DUNEMAN, PHONE NO. (505) 892-5141



VICINITY MAP  
N.T.S.



LOCATION MAP  
NOT TO SCALE



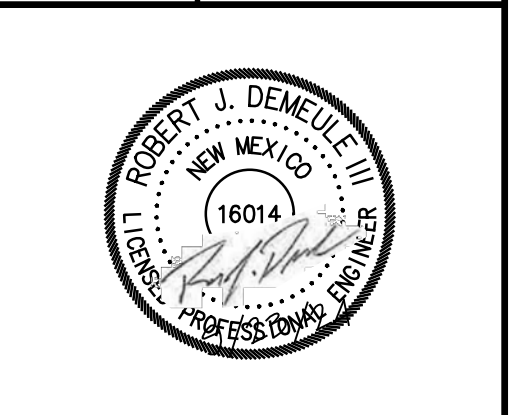
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DESIGNED BY:  
**HUITT-ZOLLARS**  
HUITT-ZOLLARS, INC.  
333 RIO RANCHO DRIVE NE, SUITE 101  
RIO RANCHO, NEW MEXICO 87124  
PHONE (505) 892-5141 FAX (505) 892-3259

DESIGNED FOR:  
**SANDOVAL COUNTY**

COVER SHEET

SANDOVAL COUNTY  
ANIMAL SHELTER  
SUBDIVISION



PROJECT NO. R314624.14  
DESIGNED BY: JL / MTR  
DRAWN BY: JL / MTR  
CHECKED BY: RJD  
DATE: SEPTEMBER 2024  
DPW CHK:  
SHEET:



TWO WORKING DAYS  
BEFORE YOU DIG CALL  
NEW MEXICO 811  
(1-800-321-2537)

Plotted: 9/23/2024 9:29:22 AM By: Huerta, Dominic  
H:\proj\R314624.14 - SC - Animal Shelter Topo\MEP\10 CADD & BIM\10.1 AutoCAD\Sheets\R314624.14\_COVER.dwg  
Last Saved: 9/23/2024 9:29:49 AM, chierba



**GENERAL NOTES**

- All construction shall be performed in accordance with 1) the project construction plans, 2) the project specifications, 3) the current edition of the Town Of Bernalillo standard details, 4) the current edition of the NMDOT Standard Specifications for Highway and Bridge Construction, and 5) the New Mexico Standard Specifications for Public Works Construction and details, as prepared by the New Mexico Chapter, American Public Works Association and addendum. In the case of conflicting specifications, Town Of Bernalillo will determine which specification governs.
- The Contractor agrees to assume the sole and complete responsibility for the job site conditions during the course of construction of the project, including safety of all persons and property. This requirement shall apply continuously and not be limited to normal working hours, and the Contractor shall defend, indemnify and hold the County and Engineer harmless from any and all liability, real or alleged, in connection with the performance of the work on this project.
- No modifications to these plans shall be made without the written consent of the County, Engineer, and all approval signatories. The Engineer shall not be responsible for construction methods or techniques or for the prosecution of the work as shown on these plans. The Engineer shall not be held responsible for the acts or omissions of the Contractor, Subcontractors, or other persons performing any work, as shown in the project Contract Documents.
- A Right-of-Way Use Permit and Traffic Control Plan (TCP) are required for all work performed within the public Right-of-Way. Provisions contained within the Town Of Bernalillo Municipal Code shall govern. All construction signing, barricading, and channelization devices shall conform to the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). The Contractor is responsible for the setup and maintenance of all traffic control devices. Any modifications to the approved traffic control plan must be approved by the Town prior to any changes being implemented. A Traffic Control Supervisor must be available for the duration of the project 24 hours a day and seven days a week. Access to residents and businesses must be maintained at all times.
- The Contractor shall designate at least one emergency contact person, and shall provide telephone numbers where this person can be contacted at any time. This information shall be provided to the Town's Project Manager.
- The Contractor is responsible for obtaining all necessary permits from all jurisdictional authorities before the start of construction.
- All work on this project shall be performed in accordance with applicable federal, state, and local laws, rules and regulations concerning construction safety, health, and environmental protection.
- Existing site improvements which are damaged or displaced by the Contractor shall be removed and replaced by the Contractor at the Contractor's own expense, and at no additional cost to the Town. The work shall be approved by the Town before construction of the repairs. Repairs must be accepted by the Town before final payment.
- The Contractor shall only utilize the designated staging areas for storage of all equipment and materials. The Town assumes no responsibility or liability for the Contractor's equipment and material in the staging area. Security shall be the sole responsibility of the Contractor. If no staging area is designated on these plans, an offsite staging area shall be provided by the Contractor at the Contractor's expense, or the Contractor may negotiate with the Town to use an onsite area.
- Unless otherwise noted, all roadway stationing is along the centerline of the proposed roadway pavement section.
- Unless otherwise noted, stationing of channels and/or pipes in drainage easements is along the centerline of the channel/pipe.
- The Contractor shall be responsible for determining, in advance of their construction operations, if overhead utility lines, support structures, poles, guys, etc., are an obstruction to construction operations. If any obstruction is evident, the Contractor shall be responsible for coordinating with the appropriate utility owner to remove or support the utility obstruction. All costs for these requirements are incidental to the Contract.
- Facilities which are not specifically located with actual vertical and horizontal controls on the construction documents, are shown approximate and in accordance with the best available information provided by various owners of the facilities, and supplemented by visual surface information where appropriate. Accuracy, location, and completeness of this information is the sole responsibility of the Contractor and should be verified, by any means necessary, before the initiation of construction. Should a conflict exist, the Contractor shall notify the Town, Engineer, and the Town's Project Manager immediately.
- It is mandatory that a preconstruction meeting be held before commencing construction. The Contractor is responsible for contacting the Town's Project Manager to determine the time and location of the preconstruction meeting.
- At the preconstruction meeting, the Contractor shall submit a detailed construction schedule to the Town's Project Manager. The schedule will be updated on a monthly basis and submitted with the monthly invoice.
- Any work performed without the approval of the Town Of Bernalillo and/or all work and materials not in conformance with the specifications is subject to removal and replacement at the Contractor's expense.
- The Contractor shall contact NM 811 at 1-800-321-2537 for utility spots in accordance with applicable state law.
- The Contractor shall confine their work to within the construction limits, existing fence line, and/or public right-of-way to preserve existing vegetation, landscaping, and private property. Approval of these plans does not give or imply any permission to trespass or work on private property. Permission must be granted in writing by the Owner of that property.
- It is the sole responsibility of the Contractor to keep the job site free from trash on a daily basis, and all materials will be neatly organized. Trash and/or non-used materials shall not be buried onsite.
- The Contractor shall park equipment and vehicles so as not to interfere with normal activities of residents, other Contractors, or Emergency Services.
- The Contractor will provide construction staking utilizing approved construction plans, the appropriate Right-of-Way maps, recorded plats, and Town Of Bernalillo standard details. Each revision to the plans shall be recorded in the plan revision block. Plans shall include a location map with legal description(s) and location grid.
- The Contractor shall maintain an up-to-date and accurate set of Working Record Drawings, redlined drawings, in accordance with the Town or Development Process Manual (DPM). These Working Record Drawings shall reflect all approved changes to the original plans throughout the construction process. At the completion of construction, the Contractor shall submit the Working Record Drawings as outlined in the Town or DPM. Also, the Contractor shall ensure that all submittals, permitting, and construction activities are in accordance with the Town or DPM and applicable ordinances. All costs for these requirements are incidental to the Contract.
- No work shall be performed in a floodplain without written authorization from the Town's Floodplain Manager.
- Any work performed in a drainage way, channel, arroyo, or floodplain must be protected by the means identified in the Temporary Erosion Control and Sediment plans accepted by the Town.
- Vibration monitoring will be at the Contractor's discretion and incidental to the Contract.

**SOILS**

MATERIALS	PERCENT (%) COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUB BASE FOR SLAB SUPPORT	95
MISCELLANEOUS BACKFILL BELOW STRUCTURAL FILL OR ROAD	95
MISCELLANEOUS BACKFILL BELOW UNPAVED, NON-BUILDING AREAS	90
ROAD SUB GRADE	95
SIDEWALK SUB GRADE	95
CURB AND GUTTER SUBGRADE	95
ARROYOS	90

**ROADWAY GENERAL NOTES**

- No paving construction activities shall be started until all underground utilities within the roadway are completed, tested, and approved. All water valve boxes and electrical, telephone, television, and sewer manholes in the construction area shall be adjusted to finished grade.
- All signs, barricades, channelization devices, pavement markings, sign frames and erection of such devices shall conform to the requirements of the "Manual on Uniform Traffic Control Devices for streets and highways" (MUTCD), current edition.
- All street striping altered or destroyed during construction shall be replaced by the Contractor to match the original conditions (i.e. type, spacing) at the location prior to construction, or as shown in this plan set.
- Street grades shall be restored by the Contractor to the existing grades unless otherwise directed by the Town Of Bernalillo. Smooth transitions shall be made between existing pavement which remains in place and pavement which is replaced. When abutting new pavement to existing, saw cut back existing pavement to a neat, straight line as required to remove any broken or cracked pavement. Refer to standard drawing detail D sheet 3-4.
- The location of all valves and manholes must be referenced at all times by the Contractor during construction and made accessible daily upon completion of all paving activities.
- Town of Bernalillo Right-Of-Way permit by Contractor Incidental.

**NOTES TO THE CONTRACTOR**

- Estimated quantities are considered approximate. Actual quantities shall be determined by field measurement or specifications.
- The Contractor shall provide material submittals for the Town Of Bernalillo approval prior to ordering.
- The Contractor is required to obtain all necessary construction permits as necessary for the project.

**CAUTION - NOTICE TO CONTRACTOR**

- The Contractor is cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of various utility companies and where possible, measurements in the field. The information is provided for the convenience for the Contractor and is not to be relied upon as exact or complete. The Contractor shall call New Mexico 811 at 1-800-321-2537 at least 48 hours before any excavation / embankment to request field location of utilities. Any damage done to overhead or underground utilities shall be paid for at the Contractors expense.

**EROSION CONTROL / ENVIRONMENTAL PROTECTION / STORM WATER POLLUTION PREVENTION PLAN**

- The Contractor shall be responsible for fulfilling all necessary National Pollutant Discharge Elimination System (NPDES) requirements including, but not limited to, obtaining an NPDES permit before construction, filling out the Notice of Intent (NOI) application, and filling out the Notice of Termination (NOT) application. The Contractor shall also be responsible for the implementation of and inspection reports for the Storm Water Pollution Prevention Plan (SWPPP). The Contractor shall submit the SWPPP with the proposed construction staging area and temporary sanitary facilities clearly shown. Any check dams, silt fences, or other Best Management Practices (BMP) that are required in the approved SWPPP shall be included in and are incidental to the SWPPP bid amount.
- The Contractor is required to keep a current copy of the SWPPP at the construction site or at an easily accessible location so that it can be made available at the time of an onsite inspection or upon request by the EPA; a state, tribal, or local agency approving storm water management plans; the operator of a storm sewer system receiving discharges from the site; or representatives of the U.S. Fish and Wildlife Service (USFWS) or the National Marine Fisheries Service (NMFS).
- The Contractor shall conform to all Town Of Bernalillo, State and Federal dust and erosion control regulations. The Contractor shall prepare and obtain any necessary dust or erosion control permits from the regulatory agencies.
- The Contractor shall either promptly remove any material excavated within the public Right-of-Way or install BMPs according to NPDES requirements to prevent discharge of excavated material within the public Right-of-Way during a rain or wind event. All costs for these requirements are incidental to the Contract.
- The Contractor shall implement the approved SWPPP and ensure that no soil erodes from the site into public Right-of-Way or onto private property.
- The Contractor shall mitigate erosion of temporary or permanent dirt swales by installing BMPs identified in the approved SWPPP in the swales perpendicular to the direction of flow, and at intervals as specified in the SWPPP.
- Construction areas shall be watered for dust control in compliance with Town Of Bernalillo ordinances. The Contractor shall be responsible for locating and supplying water as required. Watering, as required for construction and dust control, shall be considered incidental to construction and no measurement or payment shall be made therefore.
- Any areas disturbed by construction and not covered by landscaping or an impervious surface shall be re-vegetated with native grass seeding. When construction activities cease and earth disturbing activities will not resume within 14 days, stabilization measures must be initiated. Unless indicated otherwise on these plans or on the landscaping plan, native grass seeding shall be in accordance with Section 1012 of the New Mexico Standard Specifications for Public Works Construction, APWA NM Chapter, current edition.
- All waste products from the construction site, including items designated for removal, construction waste, construction equipment waste products (oil, gas, tires, etc.) garbage, grubbing, excess cut material, vegetative debris, etc. shall be appropriately disposed of offsite at no additional cost to the County. It shall be the Contractor's responsibility to obtain permits required to haul or dispose of waste products. It shall be the Contractor's responsibility to ensure that the waste disposal site complies with government regulations regarding the environment, endangered species, and archaeological resources.
- The Contractor shall be responsible for the cleanup and reporting of spills of hazardous materials associated with the construction site. Hazardous materials include gasoline, diesel fuel, motor oil, solvents, chemicals, paints, etc. which may be a threat to the environment. The Contractor shall report the discovery of past or present spills to the New Mexico Environment Department Emergency Response Team at (505) 827-9329.
- The Contractor shall comply with all applicable regulations concerning surface and underground water. Contact with surface water by construction equipment and personnel shall be minimized. Equipment maintenance and refueling operations shall be performed in an environmentally safe manner in compliance with government regulations.
- Where storm inlets are susceptible to inflow of silt or debris from construction activities, protection shall be provided on their upstream side utilizing BMPs according to NPDES requirements. All costs for these requirements are incidental to the Contract.
- Storm Water Pollution Prevention Plans (SWPPP) and accompanying Federal EPA Administrative Procedures shall meet the Town guidelines and procedures outlined in the Town Of Bernalillo's Stormwater Ordinance and Stormwater Master Plan.
- The Contractor shall provide adequate means for cleaning trucks and/or other equipment of mud before entering public streets. It is the Contractor's responsibility to clean streets and take whatever measures are necessary to ensure that all roads are maintained in a clean, mud and dust-free condition at all times.
- No work may begin in a an arroyo or other drainage way until authorization has been provided by the Town Of Bernalillo's Flood Plain Manager.



NO.	DESCRIPTION	DATE	BY
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DESIGNED BY: **HUIJT-ZOLIARS**  
 Huijt-Zoliars, Inc.  
 Rio Rancho  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3299

DESIGNED FOR: **SANDOVAL COUNTY**

**GENERAL NOTES**

**SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION**



PROJECT NO. R314624.14
DESIGNED BY: JL / MTR
DRAWN BY: JL / MTR
CHECKED BY: RJD
DATE: SEPTEMBER 2024
DPW CHK:
SHEET:



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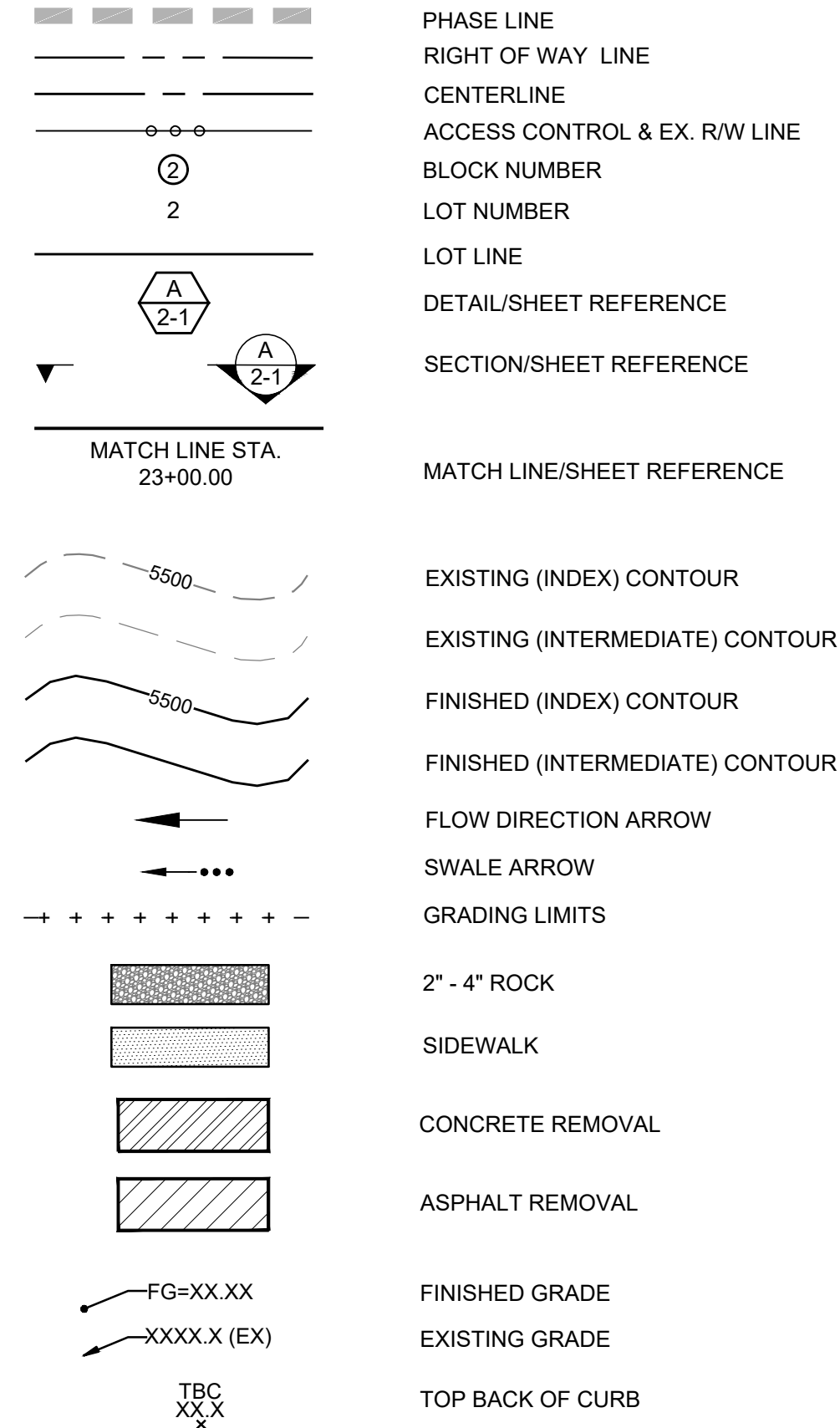
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**ABBREVIATIONS DEFINITIONS**

AP	ANALYSIS POINT
@	AT
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BK	BOOK
BLDG	BUILDING
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
BVC	BEGIN VERTICAL CURVE
BW	BASE OF WALL
CATV	CABLE TV LINE
CB	CATCH BASIN
CF	CURB FACE
CG	CURB AND GUTTER
CIP	CAST IRON PIPE
CL	CHAIN LINK
C	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CONC	CONCRETE
CY	CUBIC YARDS
DE, DUE	DRAINAGE UTILITY EASEMENT
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
Δ	DELTA
E	ELECTRIC
EA	EACH
EB	ELECTRIC BOX
EC	END CURVE
ECR	END CURB RETURN
EL, ELEV	ELEVATION
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX, EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
FOC	FACE OF CURB
FP	FINISHED PAD
G	GAS
GM	GAS METER
GV	GATE VALVE
HORIZ	HORIZONTAL
INT	INTERSECTION
INV	INVERT
INV EL	INVERT ELEVATION
LF	LINEAR FEET
LP	LIGHT POLE
LT	LEFT
MH	MANHOLE
NG	NATURAL GROUND
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PG	PAGE
PGL	PROFILE GRADE LINE PER TYPICAL SECTION
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT
R, RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
RT	RIGHT
R/W, ROW	RIGHT-OF-WAY
S	SLOPE
SAS	SANITARY SEWER LINE
SD	STORM DRAIN
SF	SQUARE FEET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SY	SQUARE YARDS
T	TANGENT
TA	TOP OF ASPHALT
TAC	TOP OF ASPHALT CURB
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TEL	TELEPHONE LINE, RISER OR BOX
TP	TOP OF PIPE
TRANS	TRANSVERSE
TW	TOP OF WALL
TYP	TYPICAL
UE	UNDERGROUND ELECTRICAL LINE
UT	UNDERGROUND TELEPHONE LINE
VC	VERTICAL CURVE
VERT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W, WL	WATERLINE
WM	WATER METER
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE

**LEGEND**



NOTE: LEGEND APPLIES TO ALL SHEETS IN THIS PLAN SET, IS GENERIC, AND NOT ALL SYMBOLS MAY BE IN PLAN SHEETS.

**Sheet List Table**

Sheet Number	Sheet Title
1	
1	COVER SHEET
2	GENERAL NOTES
3	LEGEND
4	SURVEY CONTROL SHEET
2	
1	OVERALL DEMOLITION PLAN
2	DEMOLITION PLAN
3	DEMOLITION PLAN
4	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
5	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
6	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
7	OVERALL SITE PLAN
8	SITE PLAN
9	GRADING PLAN
10	GRADING PLAN
3	
1	SANDOVAL HILL COURT PLAN & PROFILE
2	MISCELLANEOUS DETAILS
3	MISCELLANEOUS DETAILS
4	MISCELLANEOUS DETAILS
10	
1	OVERALL STORM DRAIN PLAN
2	STORM DRAIN PLAN & PROFILES
3	STORM DRAIN PLAN & PROFILES
4	STORM DRAIN DETAILS
5	STORM DRAIN DETAILS
6	STORM DRAIN DETAILS
11	
1	OVERALL UTILITY PLAN
2	UTILITIES PLAN & PROFILE
3	UTILITIES PLAN & PROFILE
4	UTILITIES PLAN & PROFILE
5	SANITARY SEWER DETAILS
6	WATER LINE DETAILS



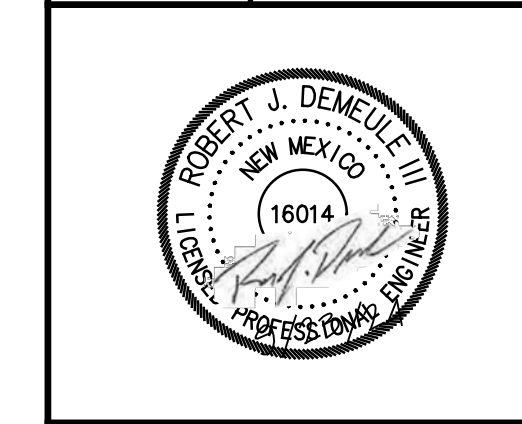
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DESIGNED FOR: **SANDOVAL COUNTY**

**LEGEND**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



PROJECT NO. R314624.14
DESIGNED BY: JL / MTR
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TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)

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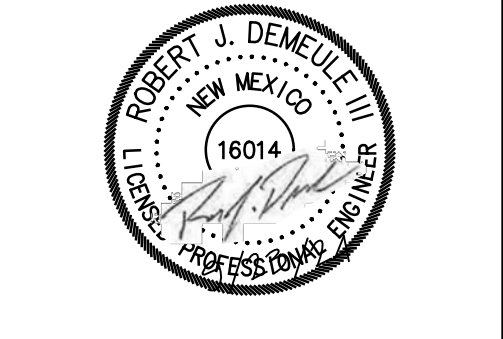
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DESIGNED FOR:  
**SANDOVAL COUNTY**

**SURVEY CONTROL SHEET**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
 SHEET:

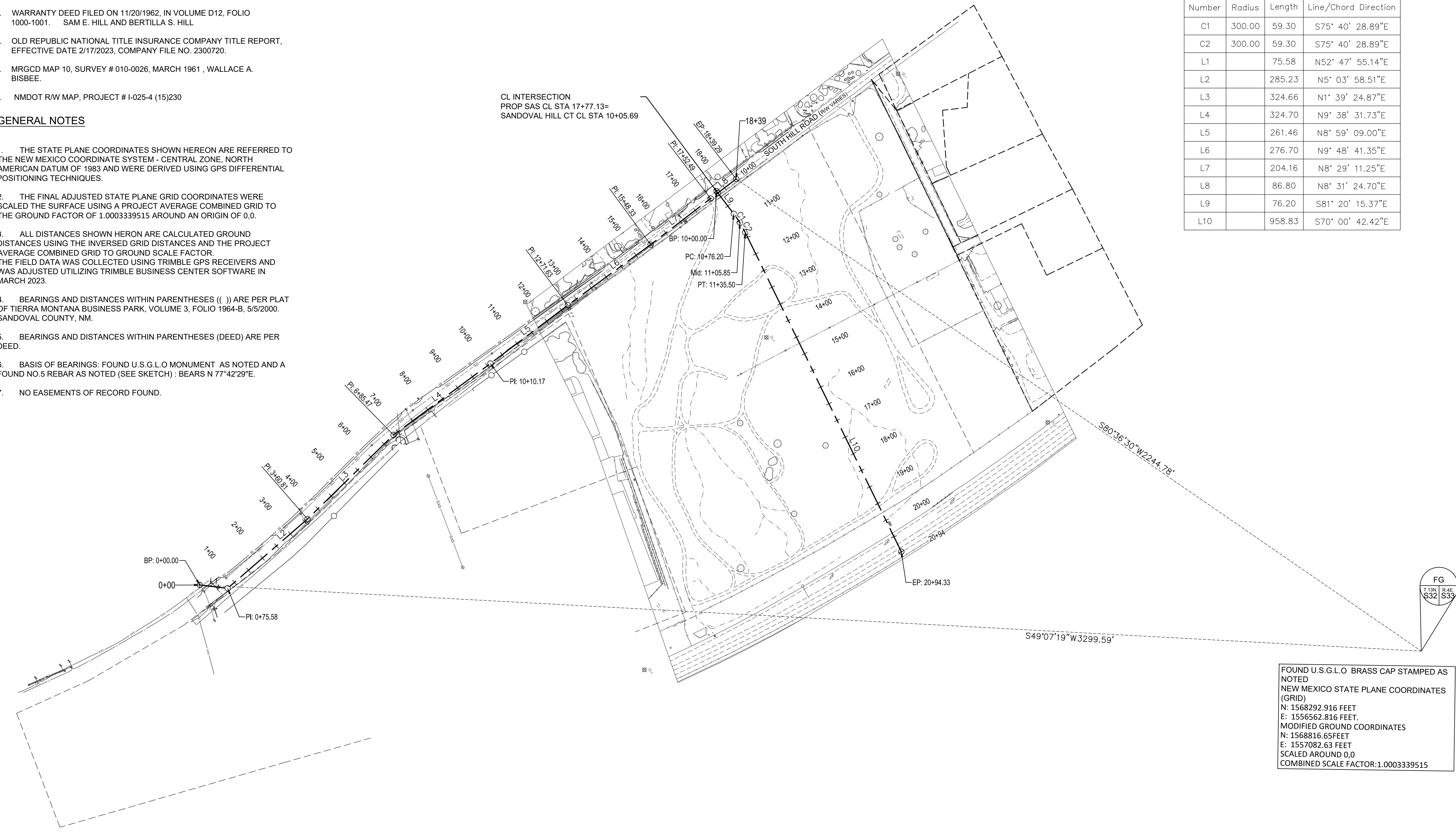
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C2	300.00	59.30	S75° 40' 28.89"E
L1		75.58	N52° 47' 55.14"E
L2		285.23	N5° 03' 58.51"E
L3		324.66	N1° 39' 24.87"E
L4		324.70	N9° 38' 31.73"E
L5		261.46	N8° 59' 09.00"E
L6		276.70	N9° 48' 41.35"E
L7		204.16	N8° 29' 11.25"E
L8		86.80	N8° 31' 24.70"E
L9		76.20	S81° 20' 15.37"E
L10		958.83	S70° 00' 42.42"E

**REFERENCE DOCUMENTS:**

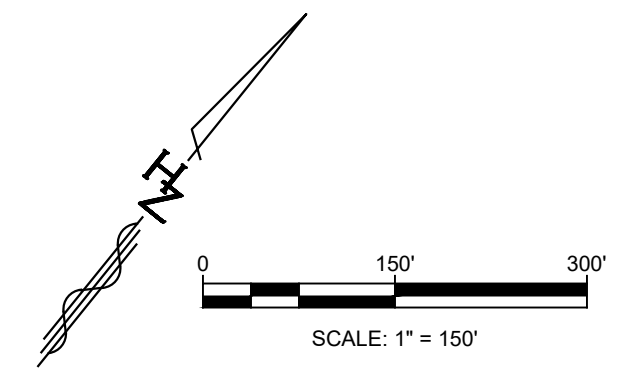
1. PLAT OF LOT 1-A THROUGH 9-A, TIERRA MONTANA BUSINESS PARK, IN VOLUME 3, FOLIO 1964-B, 5/5/2000 SANDOVAL COUNTY, NEW MEXICO.
2. PLAT OF LOTS 13-A AND 13-B, MOUNTAIN VIEW ESTATES NO. 2, 2/26/1990, CABINET 3, FOLIO 824B, SANDOVAL COUNTY, NEW MEXICO.
3. WARRANTY DEED FILED ON 11/20/1962, IN VOLUME D12, FOLIO 1000-1001. SAM E. HILL AND BERTILLA S. HILL
4. OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY TITLE REPORT, EFFECTIVE DATE 2/17/2023, COMPANY FILE NO. 2300720.
5. MRGCD MAP 10, SURVEY # 010-0026, MARCH 1961, WALLACE A. BISBEE.
6. NMDOT RW MAP, PROJECT # I-025-4 (15)230

**GENERAL NOTES**

1. THE STATE PLANE COORDINATES SHOWN HEREON ARE REFERRED TO THE NEW MEXICO COORDINATE SYSTEM - CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983 AND WERE DERIVED USING GPS DIFFERENTIAL POSITIONING TECHNIQUES.
2. THE FINAL ADJUSTED STATE PLANE GRID COORDINATES WERE SCALED THE SURFACE USING A PROJECT AVERAGE COMBINED GRID TO THE GROUND FACTOR OF 1.0003339515 AROUND AN ORIGIN OF 0,0.
3. ALL DISTANCES SHOWN HERON ARE CALCULATED GROUND DISTANCES USING THE INVERSED GRID DISTANCES AND THE PROJECT AVERAGE COMBINED GRID TO GROUND SCALE FACTOR. THE FIELD DATA WAS COLLECTED USING TRIMBLE GPS RECEIVERS AND WAS ADJUSTED UTILIZING TRIMBLE BUSINESS CENTER SOFTWARE IN MARCH 2023.
4. BEARINGS AND DISTANCES WITHIN PARENTHESES (( )) ARE PER PLAT OF TIERRA MONTANA BUSINESS PARK, VOLUME 3, FOLIO 1964-B, 5/5/2000, SANDOVAL COUNTY, NM.
5. BEARINGS AND DISTANCES WITHIN PARENTHESES (DEED) ARE PER DEED.
6. BASIS OF BEARINGS: FOUND U.S.G.L.O MONUMENT AS NOTED AND A FOUND NO.5 REBAR AS NOTED (SEE SKETCH) : BEARS N 77°42'29"E.
7. NO EASEMENTS OF RECORD FOUND.



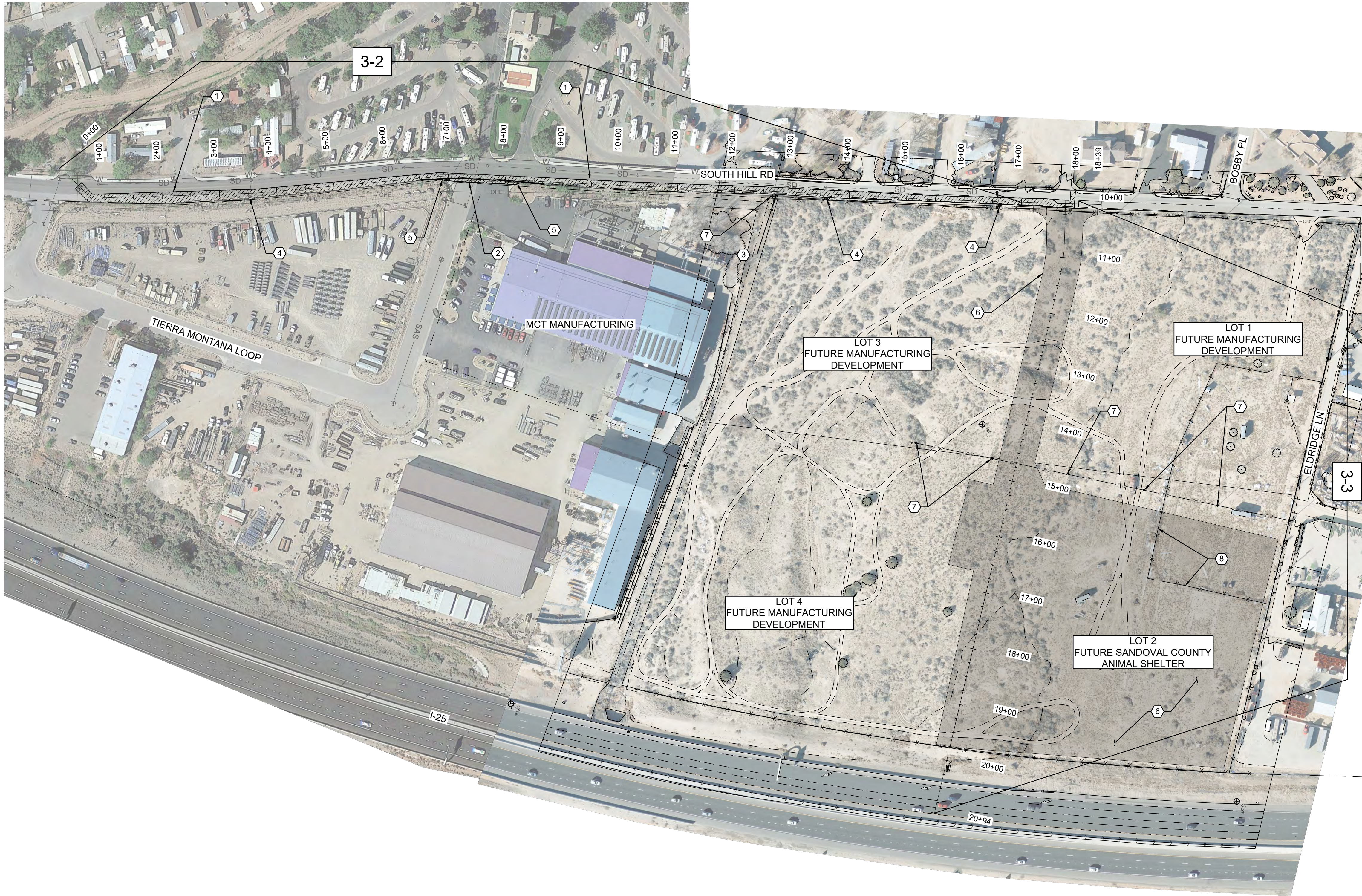
FOUND U.S.G.L.O BRASS CAP STAMPED AS NOTED  
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 E: 1556562.816 FEET  
 MODIFIED GROUND COORDINATES  
 N: 1568816.65 FEET  
 E: 1557082.63 FEET  
 SCALED AROUND 0,0  
 COMBINED SCALE FACTOR:1.0003339515



Plotfile: 9/23/2024 9:29:46 AM By:Huerfano, Dominic  
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 User: dave@r314624 9/23/24 10:23 AM, Sheet#



**OVERALL DEMOLITION PLAN**  
 SCALE: 1"=100'

KEY NOTES

1. SAWCUT, REMOVE AND SALVAGE ASPHALT TO CITY OF RIO RANCHO. MILL FULL DEPTH OF ASPHALT AND BREAKDOWN TO SIZE 2" OR SMALLER.
2. REMOVE AND DISPOSE CONCRETE
3. REMOVE AND REPLACE SPEED LIMIT SIGN
4. PROTECT EXISTING STORM DRAIN INLET
5. PROTECT EXISTING CURB
6. CLEAR AND GRUB AREA
7. PROTECT EXISTING POWER POLE
8. REMOVE AND DISPOSE EXISTING FENCELINE

LEGEND

- CONCRETE REMOVAL
- ASPHALT REMOVAL



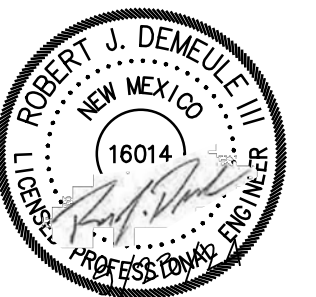
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DESIGNED BY:  
**HUIT-ZOLIARS**  
 Huit-Zoliars, Inc.  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3259

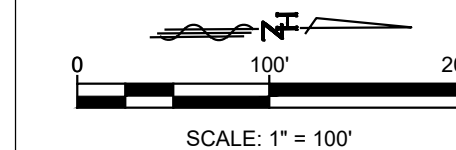
DESIGNED FOR:  
**SANDOVAL COUNTY**

**OVERALL  
 DEMOLITION PLAN**

**SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION**

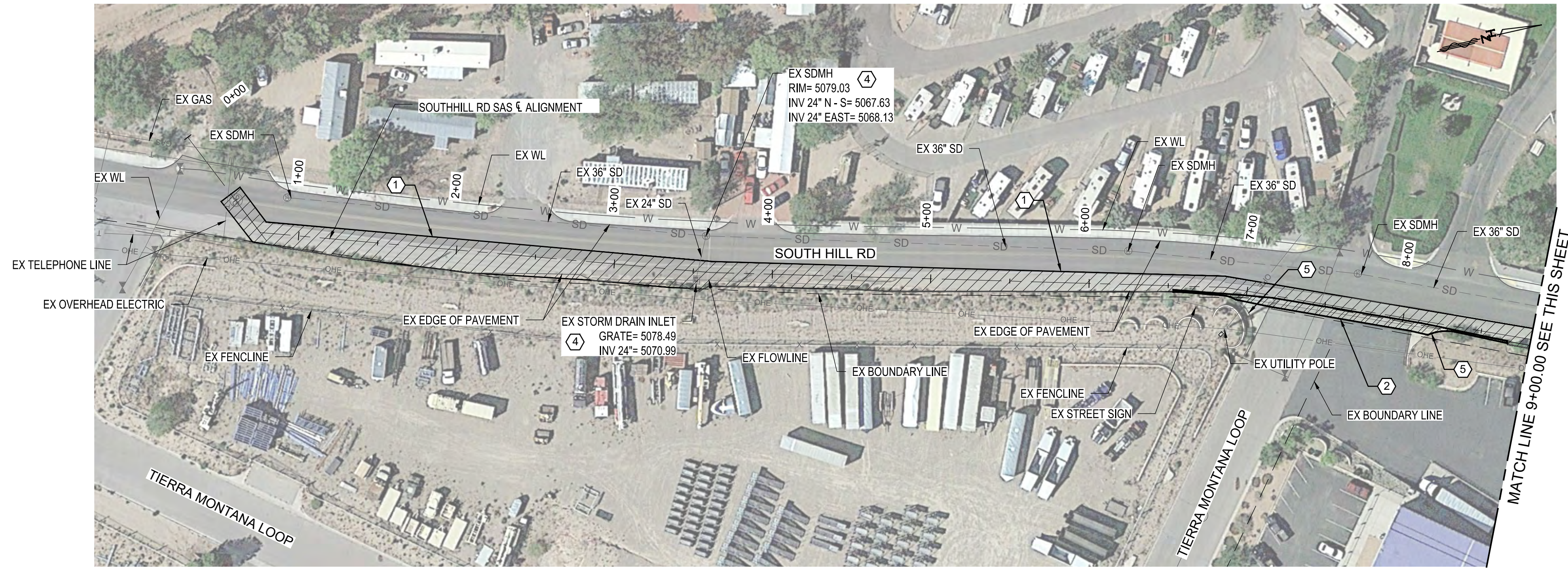


PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
 SHEET:

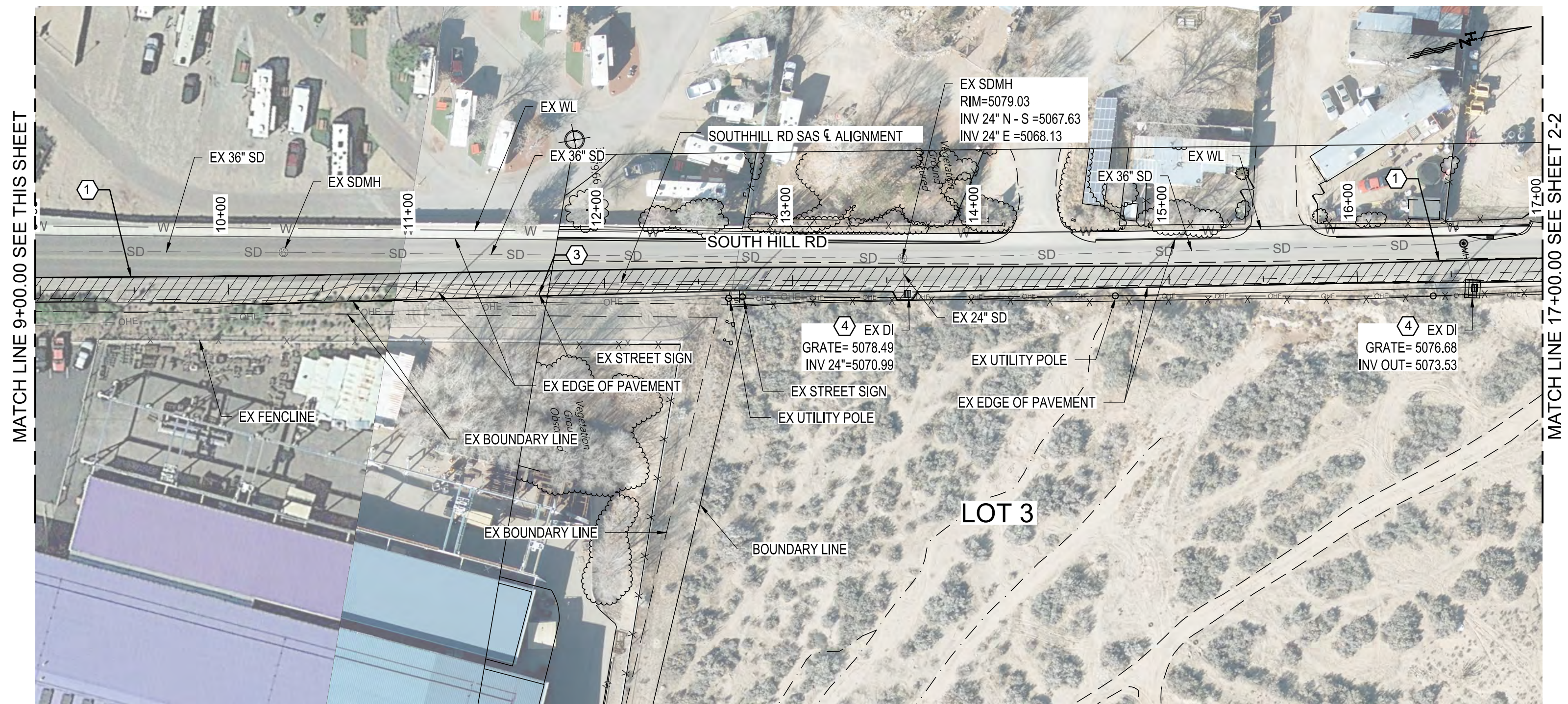


TWO WORKING DAYS  
 BEFORE YOU DIG CALL  
 NEW MEXICO 811  
 (1-800-321-2537)





**DEMOLITION PLAN**  
SCALE: 1:50



**DEMOLITION PLAN**  
SCALE: 1:50

KEY NOTES

- SAWCUT, REMOVE AND SALVAGE ASPHALT TO CITY OF RIO RANCHO. MILL FULL DEPTH OF ASPHALT AND BREAKDOWN TO SIZE 2" OR SMALLER.
- REMOVE AND DISPOSE CONCRETE
- REMOVE AND REPLACE SPEED LIMIT SIGN
- PROTECT EXISTING STORM DRAIN INLET
- PROTECT EXISTING CURB

LEGEND

- CONCRETE REMOVAL
- ASPHALT REMOVAL



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DESIGNED FOR:  
**SANDOVAL COUNTY**

**DEMOLITION PLAN**

**SANDOVAL COUNTY  
ANIMAL SHELTER  
SUBDIVISION**



PROJECT NO. R314624.14

DESIGNED BY: JL / MTR

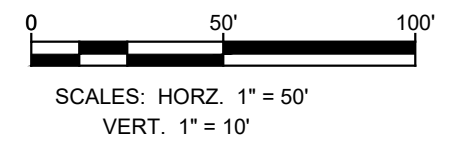
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CHECKED BY: RJD

DATE: SEPTEMBER 2024

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SHEET:



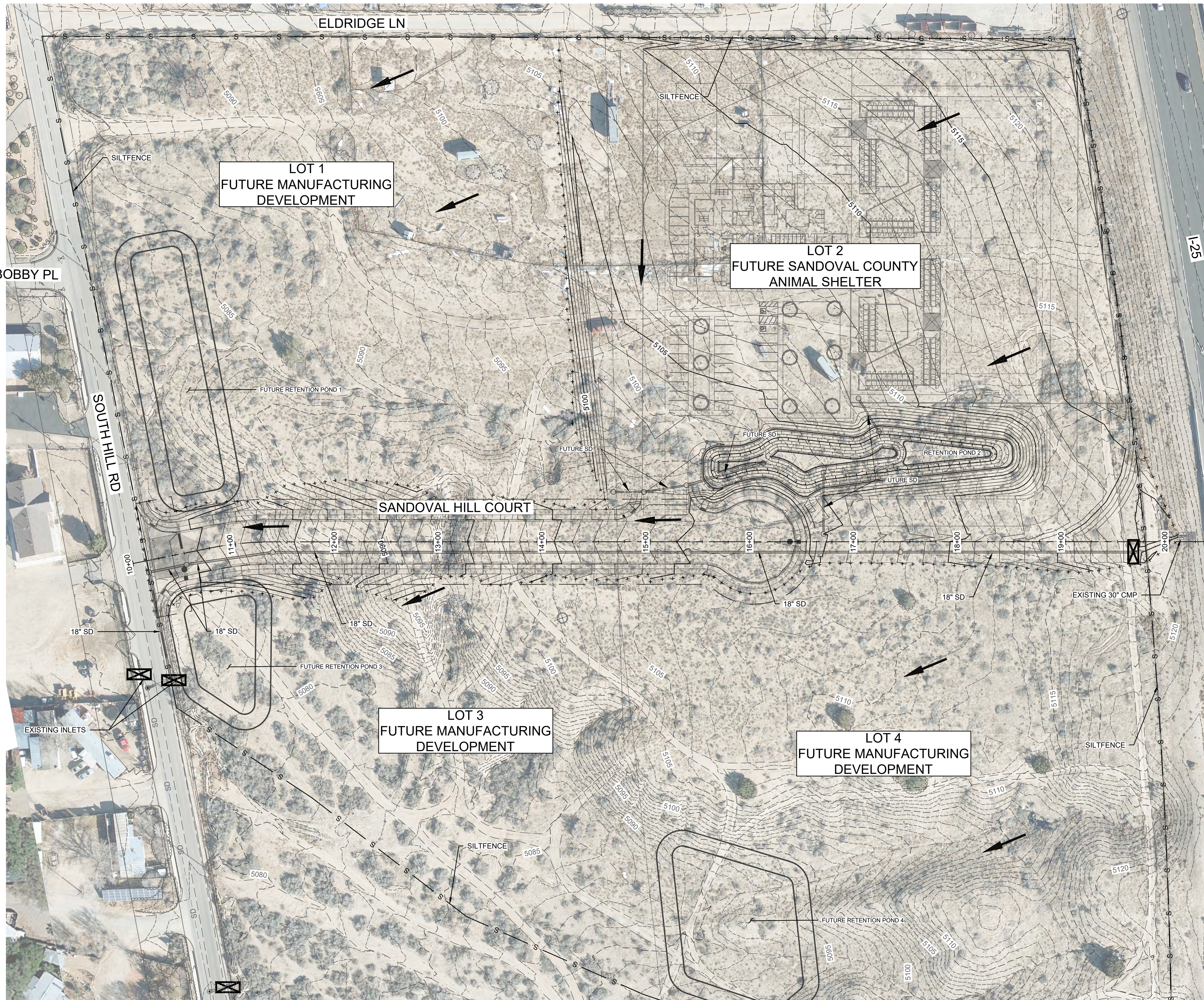
TWO WORKING DAYS  
BEFORE YOU DIG CALL  
NEW MEXICO 811  
(1-800-321-2537)

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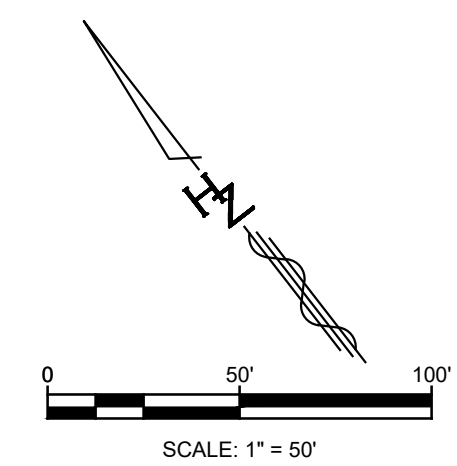




- LEGEND**
- 5100 — PROPOSED MAJOR CONTOUR
  - 5100 — PROPOSED MINOR CONTOUR
  - 5100 — EXISTING MAJOR CONTOUR
  - 5100 — EXISTING MINOR CONTOUR
  - + + + + + SLOPE LIMITS/AREA OF DISTURBANCE
  - ☒ DROP INLET PROTECTION
  - FLOW DIRECTION
  - ▣ CLASS C SEEDING (ROCK MULCH)
  - S — SILTFENCE

**NOTE**

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



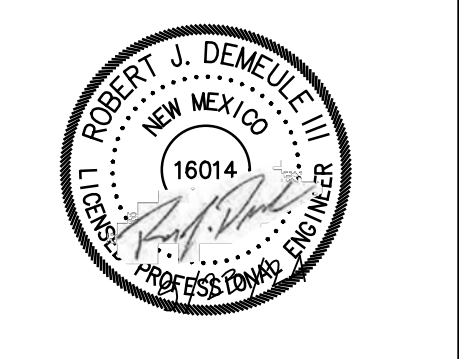
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DESIGNED FOR:  
**SANDOVAL COUNTY**

**TEMPORARY EROSION AND SEDIMENT CONTROL PLAN**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
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 SHEET: **2 - 4**

Plotfile: 9/23/2024 9:30:55 AM: By: Huerta, Dominic  
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MATCH LINE SEE SHEET 2-5

**SC ANIMAL SHELTER - T.E.S.C.P.**



MATCH LINE SEE SHEET 2-4



MATCH LINE SEE SHEET 2-6

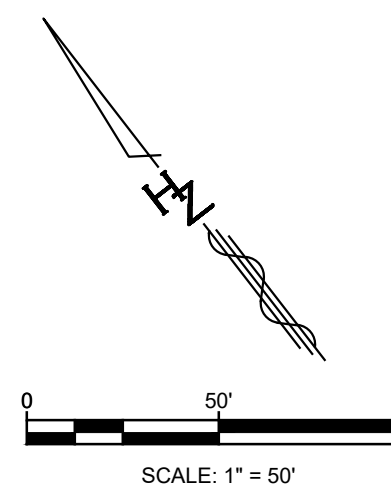
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### LEGEND

- 5100 — PROPOSED MAJOR CONTOUR
- — PROPOSED MINOR CONTOUR
- - - 5100 - - - EXISTING MAJOR CONTOUR
- - - - - EXISTING MINOR CONTOUR
- + + + + + SLOPE LIMITS/AREA OF DISTURBANCE
- ⊠ DROP INLET PROTECTION
- FLOW DIRECTION
- ▣ CLASS C SEEDING (ROCK MULCH)
- S - SILTFENCE

### NOTE

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)



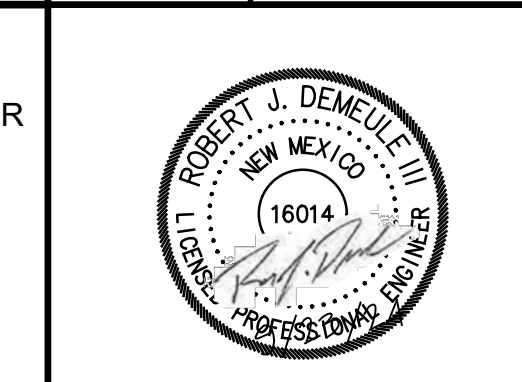
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**TEMPORARY EROSION AND SEDIMENT CONTROL PLAN**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



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 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
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Plotfile: 9/23/2024 9:31:10 AM. By: Huerta, Dominic  
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MATCH LINE SEE SHEET 2-5



LEGEND

- 5100 — PROPOSED MAJOR CONTOUR
- — PROPOSED MINOR CONTOUR
- - - 5100 - - - EXISTING MAJOR CONTOUR
- - - - EXISTING MINOR CONTOUR
- + + + + + SLOPE LIMITS/AREA OF DISTURBANCE
- ☒ DROP INLET PROTECTION
- ↑ FLOW DIRECTION
- ▣ CLASS C SEEDING (ROCK MULCH)
- S — SILTFENCE



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DESIGNED FOR:  
**SANDOVAL COUNTY**

TEMPORARY EROSION AND  
 SEDIMENT CONTROL PLAN

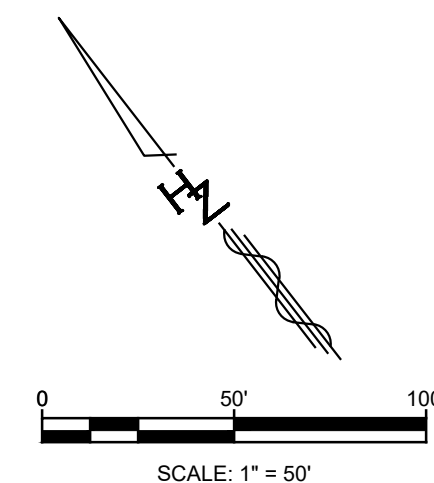
SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION



PROJECT NO. R314624.14  
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 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
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 SHEET:

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SC ANIMAL SHELTER - T.E.S.C.P.



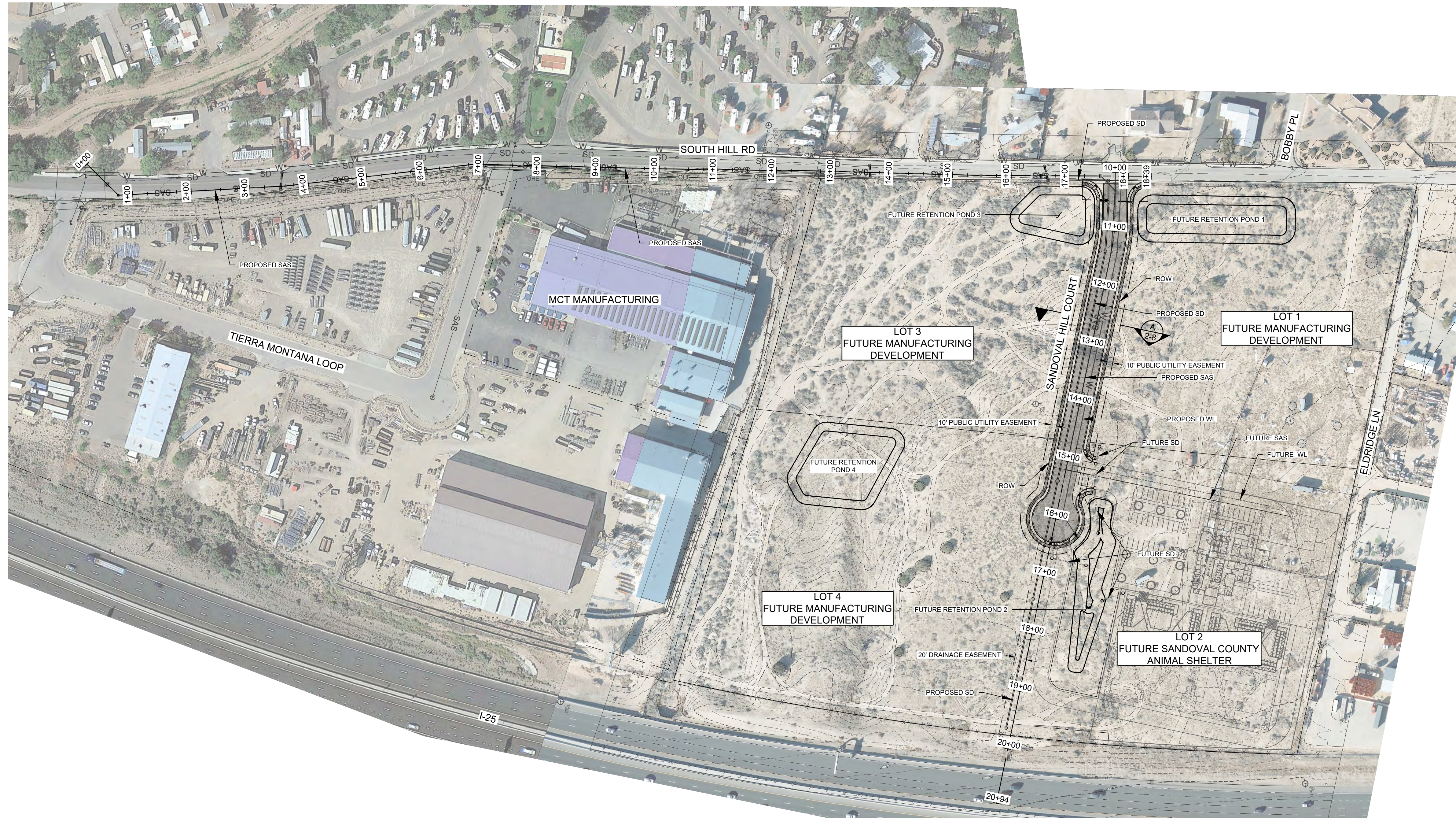
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 (1-800-321-2537)



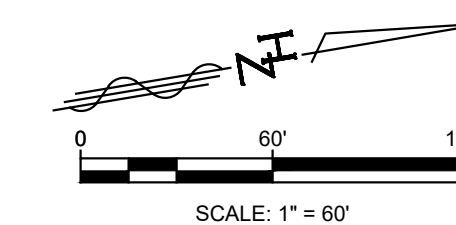


**NOTE**

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



**OVERALL SITE PLAN**



TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)

NO.	DESCRIPTION	DATE	BY
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DESIGNED FOR:  
**SANDOVAL COUNTY**

**OVERALL SITE PLAN**

**SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION**



PROJECT NO. R314624.14

DESIGNED BY: JL / MTR

DRAWN BY: JL / MTR

CHECKED BY: RJD

DATE: SEPTEMBER 2024

DPW CHK:

SHEET:

Plotfile: 9/23/2024 9:31:45 AM. By:Huerta, Dominic  
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 User: Sandoval/2/2/2024 9:30:13 AM. User:



**SC ANIMAL SHELTER - SITE PLAN**

**NOTE**  
 IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



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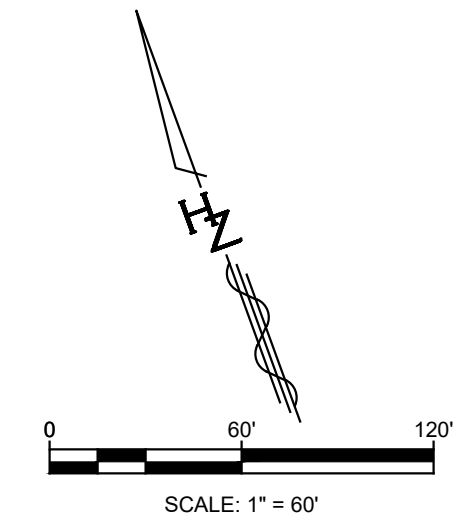
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 Huit-Zoliars, Inc.  
 Rio Rancho  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3259

DESIGNED FOR:  
**SANDOVAL COUNTY**

**SITE PLAN**  
 SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION

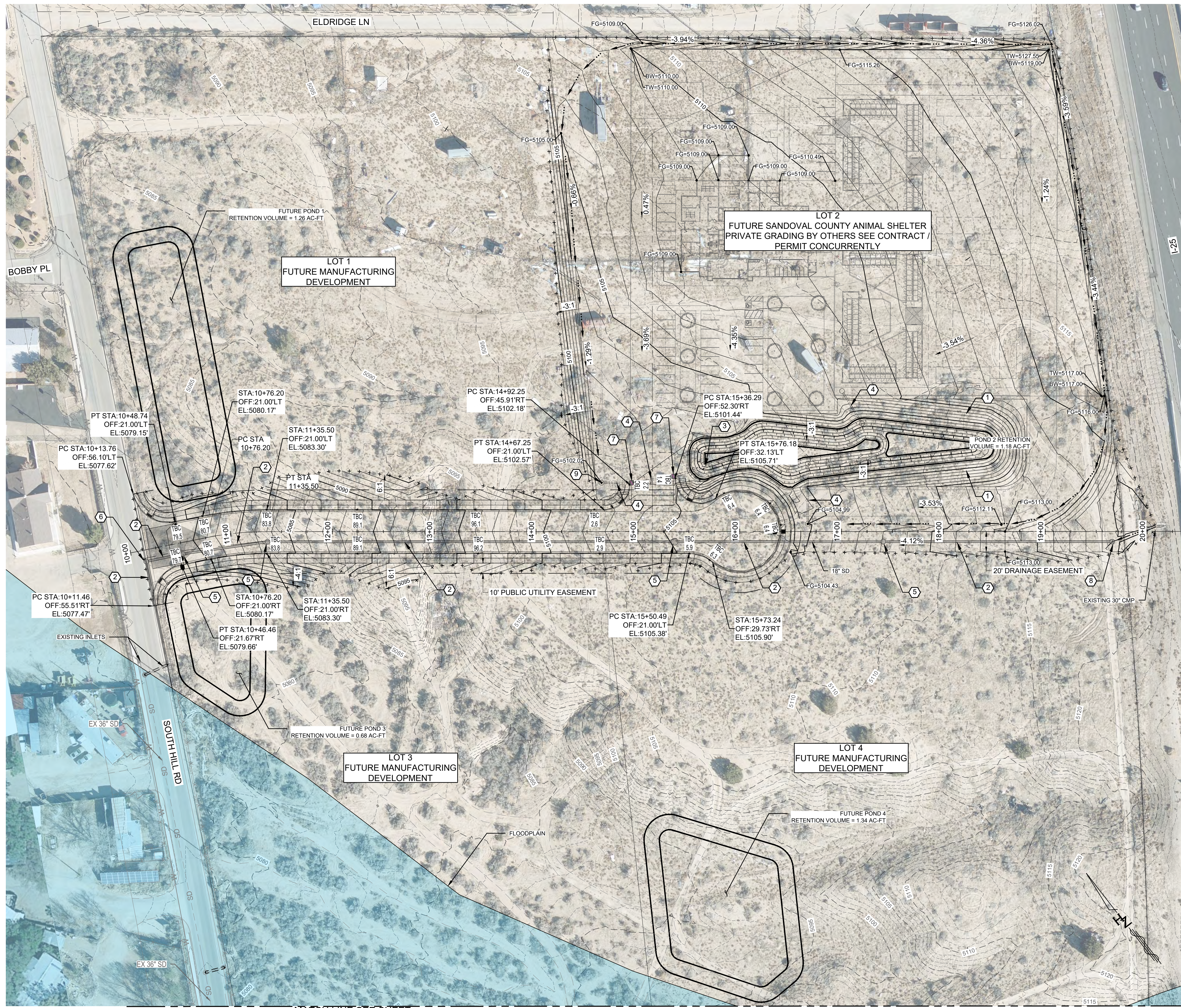
FOR INFORMATION ONLY

PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
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 SHEET:



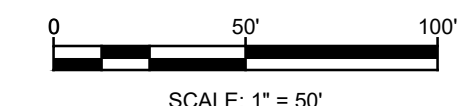


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 Last Saved: 9/23/2024 9:05:54 AM dhuerta



MATCH LINE SEE SHEET 2-10

SC ANIMAL SHELTER - GRADING PLAN



GRADING KEYED NOTES

- BUILD RETENTION POND WITH 3:1 SIDE SLOPES
- INSTALL 18" STORM DRAIN
- FUTURE 18" STORM DRAIN
- FUTURE 12" STORM DRAIN
- INSTALL 4' DIA. TYPE "C" SDMH
- INSTALL 6' DIA. TYPE "C" SDMH
- FUTURE SINGLE TYPE "D" STORM DRAIN INLET
- INSTALL BEEHIVE INLET
- FUTURE BEEHIVE INLET

LEGEND

- EXISTING (INDEX) CONTOUR
- EXISTING (INTERMEDIATE) CONTOUR
- PROPOSED (INDEX) CONTOUR
- PROPOSED (INTERMEDIATE) CONTOUR
- GRADING LIMITS
- FLOW DIRECTION
- 2' - 4" ROCK
- SIDEWALK
- FG=XX.XX FINISHED GRADE
- XXXX.X (EX) EXISTING GRADE
- TBC XXX TOP BACK OF CURB

NOTE

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.

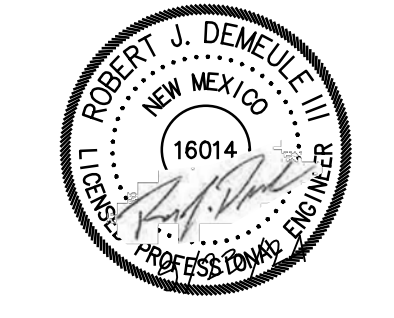


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DESIGNED FOR: **SANDOVAL COUNTY**

GRADING PLAN  
 SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION



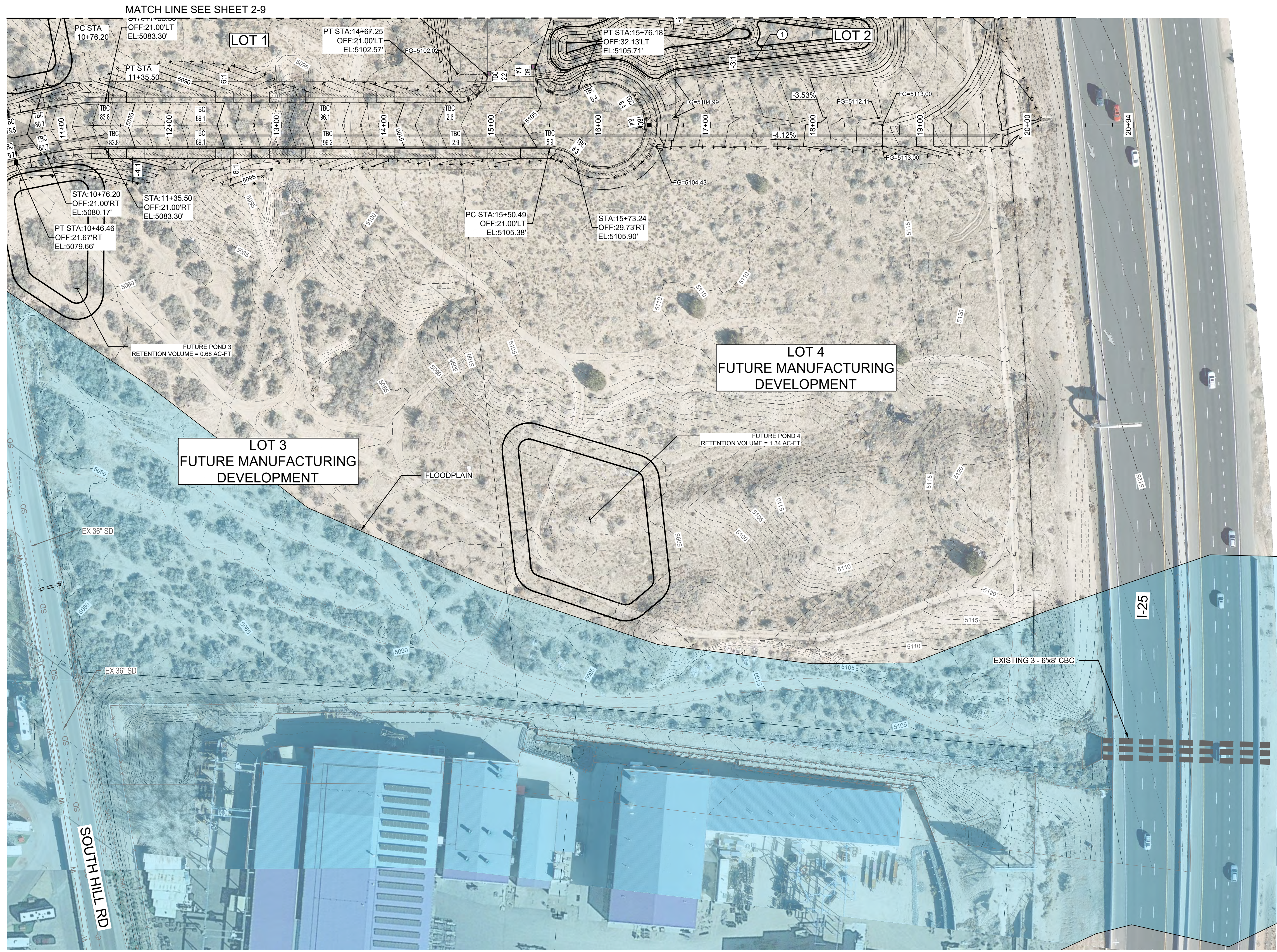
PROJECT NO. R314624.14
DESIGNED BY: JL / MTR
DRAWN BY: JL / MTR
CHECKED BY: RJJ
DATE: SEPTEMBER 2024
DPW CHK:
SHEET:



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Plotted: 9/23/2024 9:33:08 AM. By: Huerta, Dominic  
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### SC ANIMAL SHELTER - GRADING PLAN

#### GRADING KEYED NOTES

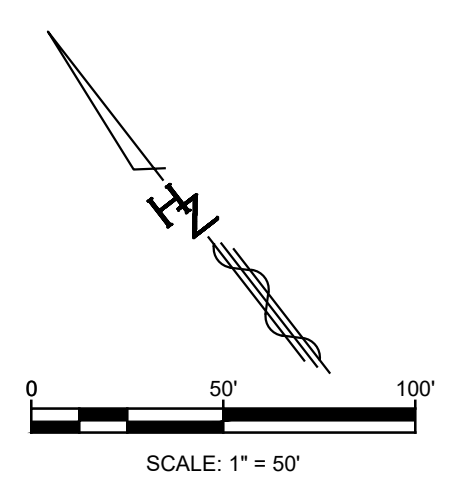
1. BUILD RETENTION POND WITH 3:1 SIDE SLOPES
2. INSTALL 18" STORM DRAIN
3. FUTURE 18" STORM DRAIN
4. FUTURE 12" STORM DRAIN
5. INSTALL 4' DIA. TYPE "C" SDMH
6. INSTALL 6' DIA. TYPE "C" SDMH
7. FUTURE SINGLE TYPE "D" STORM DRAIN INLET
8. INSTALL BEEHIVE INLET
9. FUTURE BEEHIVE INLET

#### LEGEND

- EXISTING (INDEX) CONTOUR
- EXISTING (INTERMEDIATE) CONTOUR
- PROPOSED (INDEX) CONTOUR
- PROPOSED (INTERMEDIATE) CONTOUR
- GRADING LIMITS
- FLOW DIRECTION
- 
- SIDEWALK
- FINISHED GRADE
- EXISTING GRADE
- TOP BACK OF CURB

#### NOTE

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)



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 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3259

DESIGNED FOR:  
**SANDOVAL COUNTY**

GRADING PLAN

SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION



PROJECT NO. R314624.14

DESIGNED BY: JL / MTR

DRAWN BY: JL / MTR

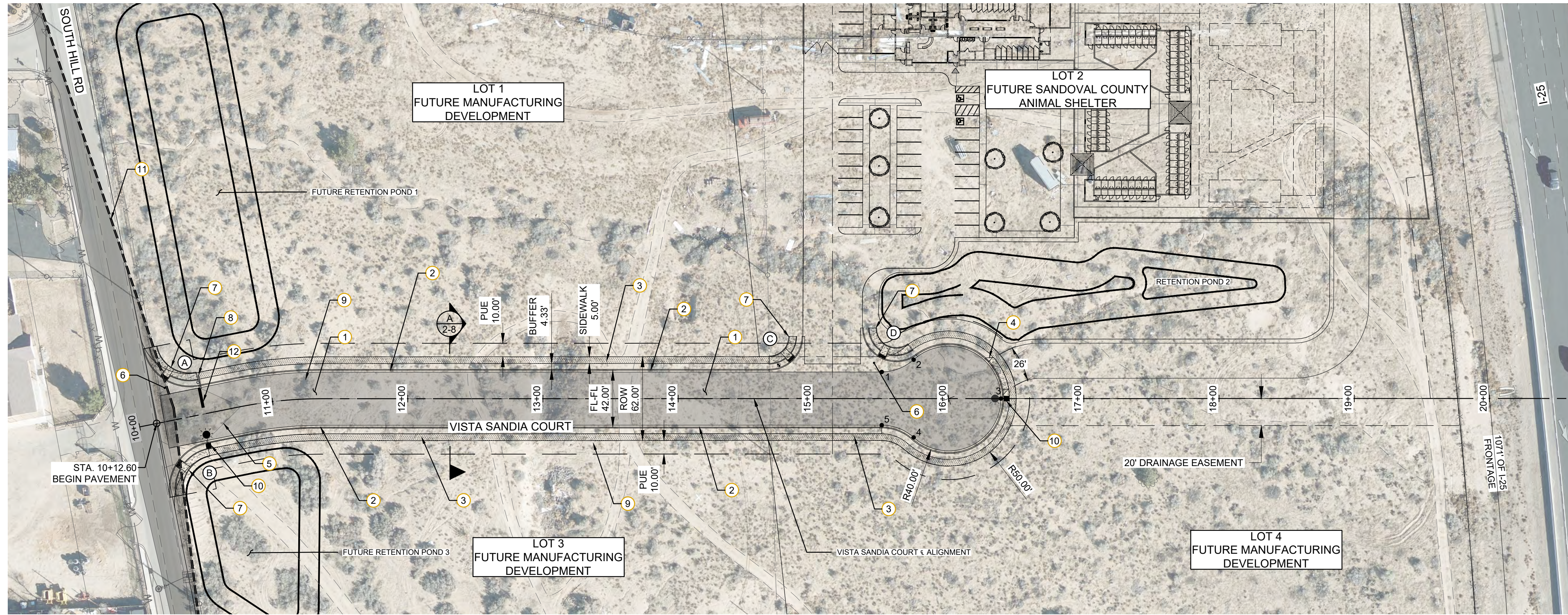
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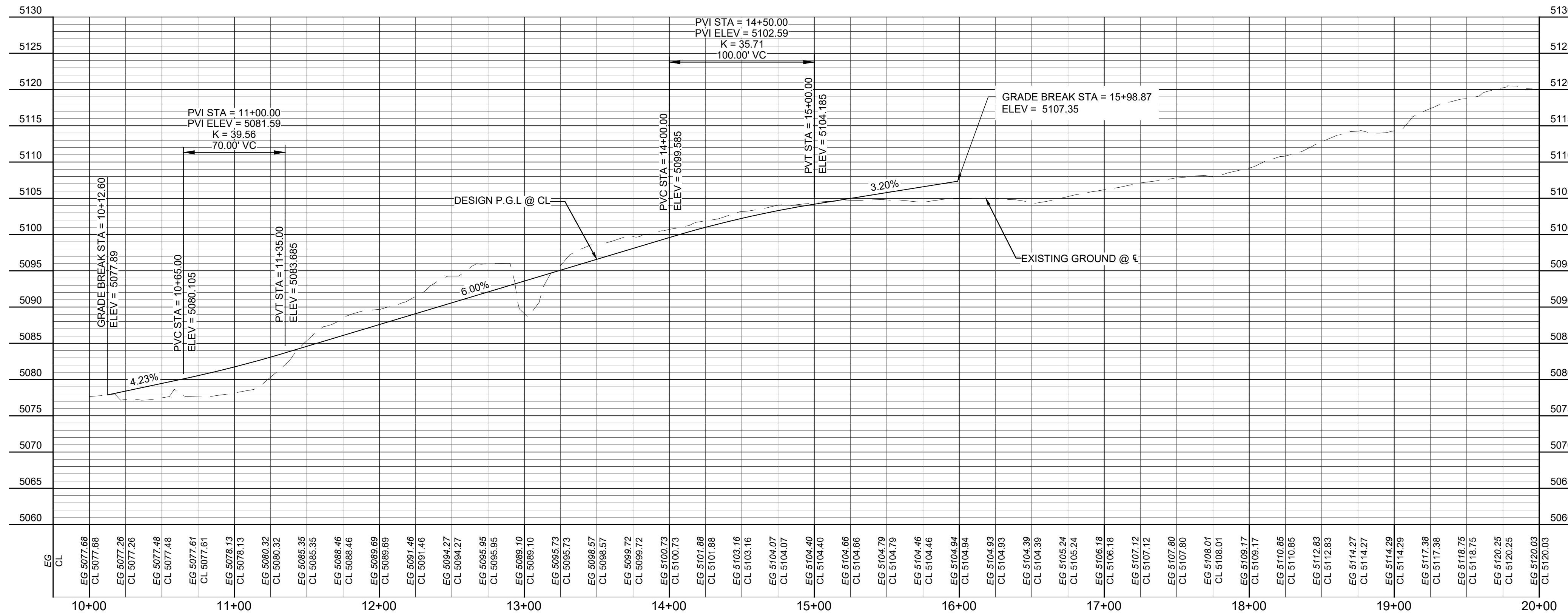
DPW CHK:

SHEET:





VISTA SANDIA COURT - PLAN



VISTA SANDIA COURT - PROFILE

PAVING CONSTRUCTION NOTES

- ① CONSTRUCT INDUSTRIAL STREET PAVEMENT SECTION PER TOB STD DWG 107-2 DETAIL A ON SHEET 3-3.
- ② CONSTRUCT 6" STD CURB & GUTTER PER TOB STD DWG 107-4 & DETAIL C ON SHEET 3-3.
- ③ CONSTRUCT 5' SIDEWALK PER TOB STD DWG 108-1 DETAIL B ON SHEET 3-3.
- ④ CONSTRUCT 26' DRIVEPAD PER TOB STD DWG 107-5 DETAIL D ON SHEET 3-3.
- ⑤ CONSTRUCT CROWN TRANSITION PER DETAIL C, SHEET 3-4.
- ⑥ CONSTRUCT CURB RETURNS & VALLEY GUTTER PER TOB STD DWG 107-6 DETAIL A ON SHEET 3-3.
- ⑦ CONSTRUCT CURB RAMP PER CORR STD DWG 608-001-4 & ON SHEET 3-3.
- ⑧ INSTALL STOP SIGN PER TOB STD DWG 112-6 AND DETAIL D ON SHEET 3-3.
- ⑨ INSTALL 6" THICK, 2" - 4" ROCK, WITH FILTER FABRIC FOR SLOPES 3% OR GREATER.
- ⑩ INSTALL LUMINAIRES PER TOB STD DWG 112-2 SEE SHEET 3-4 DETAIL B
- ⑪ CLEAR SIGHT TRIANGLE SEE DETAIL E SHEET 3-4

STRIPING NOTES

- ⑫ 24" SOLID WHITE HOT THERMOPLASTIC STRIPE PER DETAIL D SHEET 3-4

LEGEND

- NEW CURB & GUTTER
- CONCRETE
- CONCRETE SIDEWALK
- 2" - 4" ROCK
- STREET LIGHT
- STOP SIGN

NOTE

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.

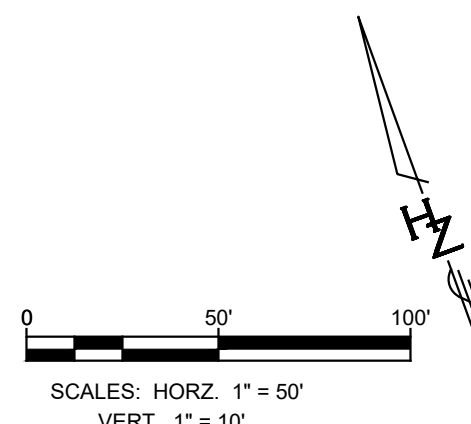
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PT.	FL ELEV.	RETURN FL	CURVE DATA	PT.	FL ELEV.	RETURN FL	CURVE DATA
1	78.62	Δ = 090°10'16"	R = 34.33'	1	77.69	Δ = 89°11'26"	R = 34.33'
2	78.10	T = 54.03'	L = 54.03'	2	77.95	R = 34.33'	T = 53.44'
3	77.86	L = 54.03'		3	77.56	T = 53.44'	L = 53.44'
4	77.88			4	77.74	L = 53.44'	
RET.	77.62			RET.	79.16		
END CURB RETURN STA. = 10+13.76, 56.10' LT				END CURB RETURN STA. = 10+46.46, 21.00' RT			

C) BEGIN CURB RETURN				D) BEGIN CURB RETURN			
PT.	FL ELEV.	RETURN FL	CURVE DATA	PT.	FL ELEV.	RETURN FL	CURVE DATA
1	03.96	Δ = 089°48'16"	R = 25.00'	1	05.73	Δ = 126°45'12"	R = 25.00'
2	03.72	T = 39.18'	L = 39.18'	2	04.96	T = 55.31'	L = 55.31'
3	03.18	L = 39.18'		3	05.16	L = 55.31'	
4	03.57			4	04.71	L = 55.31'	
RET.	02.63			RET.	05.36		
END CURB RETURN STA. = 14+67.25, 21.00' LT				END CURB RETURN STA. = 15+36.29, 52.30' LT			

CUL-DE-SAC ELEV TABLE

PNT	ELEV
1	5105.41
2	5105.93
3	5107.71
4	5105.93
5	5105.41



NO.	DESCRIPTION	DATE	BY
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DESIGNED BY:  
**HUIT-ZOLIARS**  
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Fax (505) 892-5141

VISTA SANDIA COURT  
PLAN & PROFILE

SANDOVAL COUNTY  
ANIMAL SHELTER  
SUBDIVISION

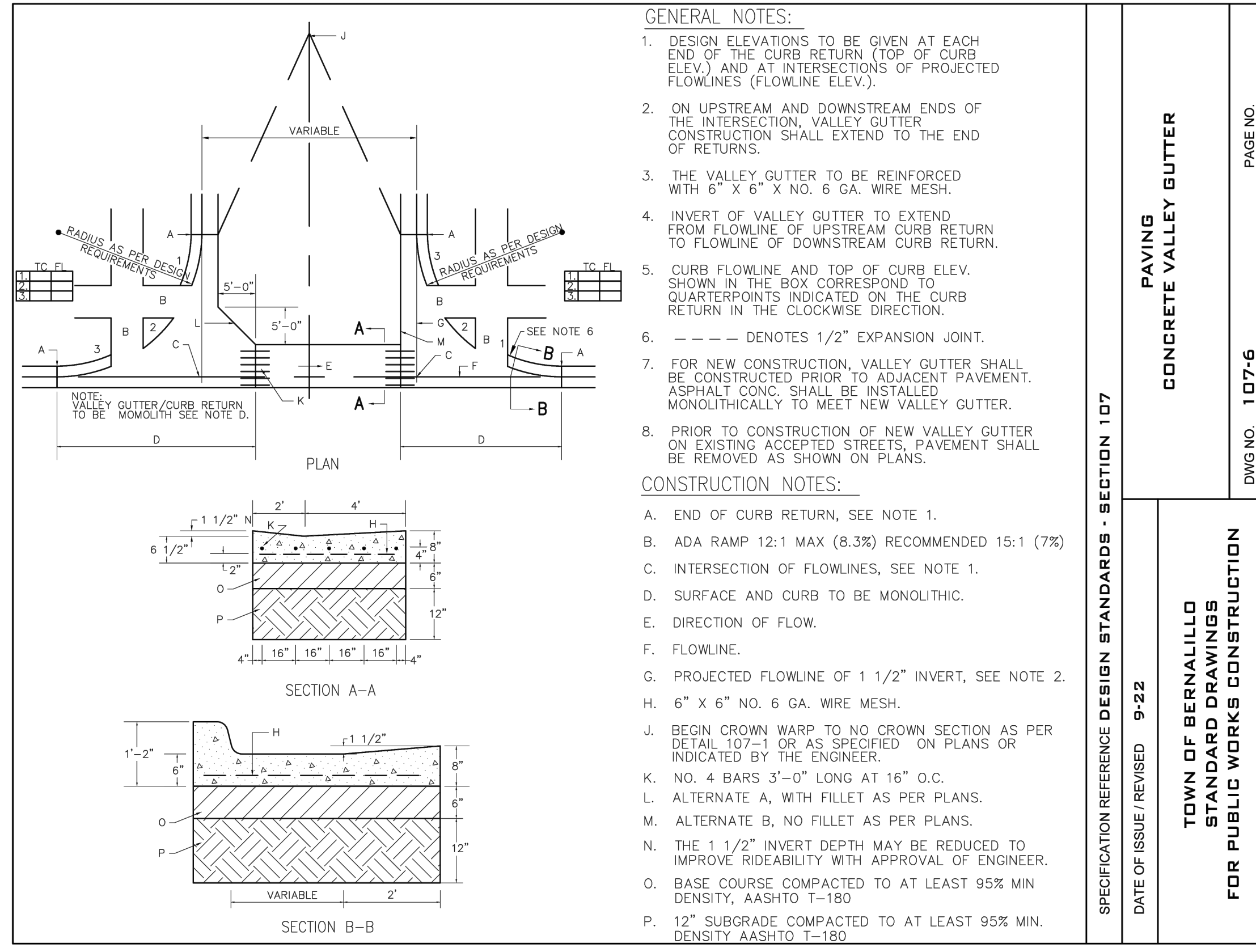


PROJECT NO. R314624.14  
DESIGNED BY: JL / MTR  
DRAWN BY: JL / MTR  
CHECKED BY: RJJ  
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DPW CHK:

SHEET: 3 - 1

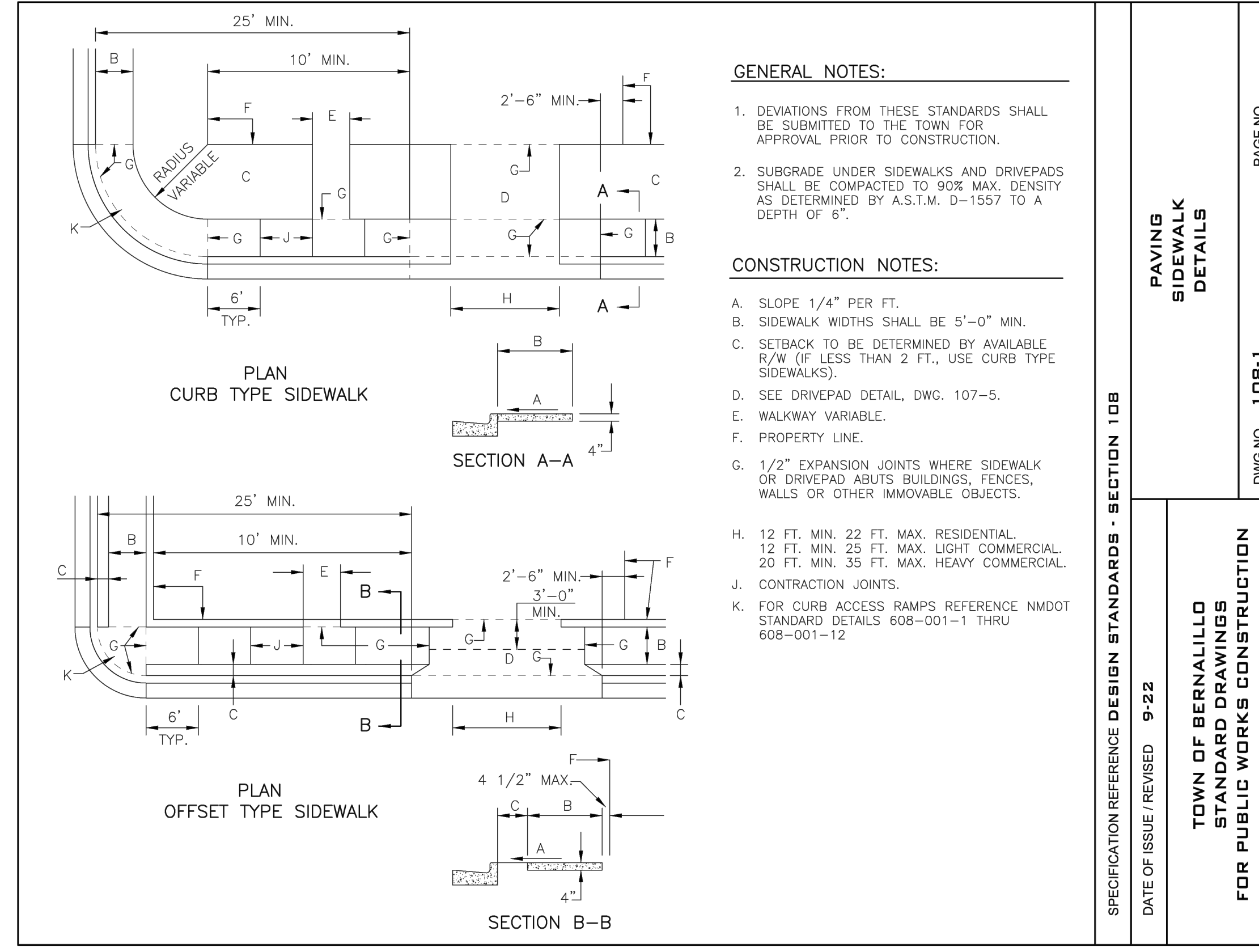
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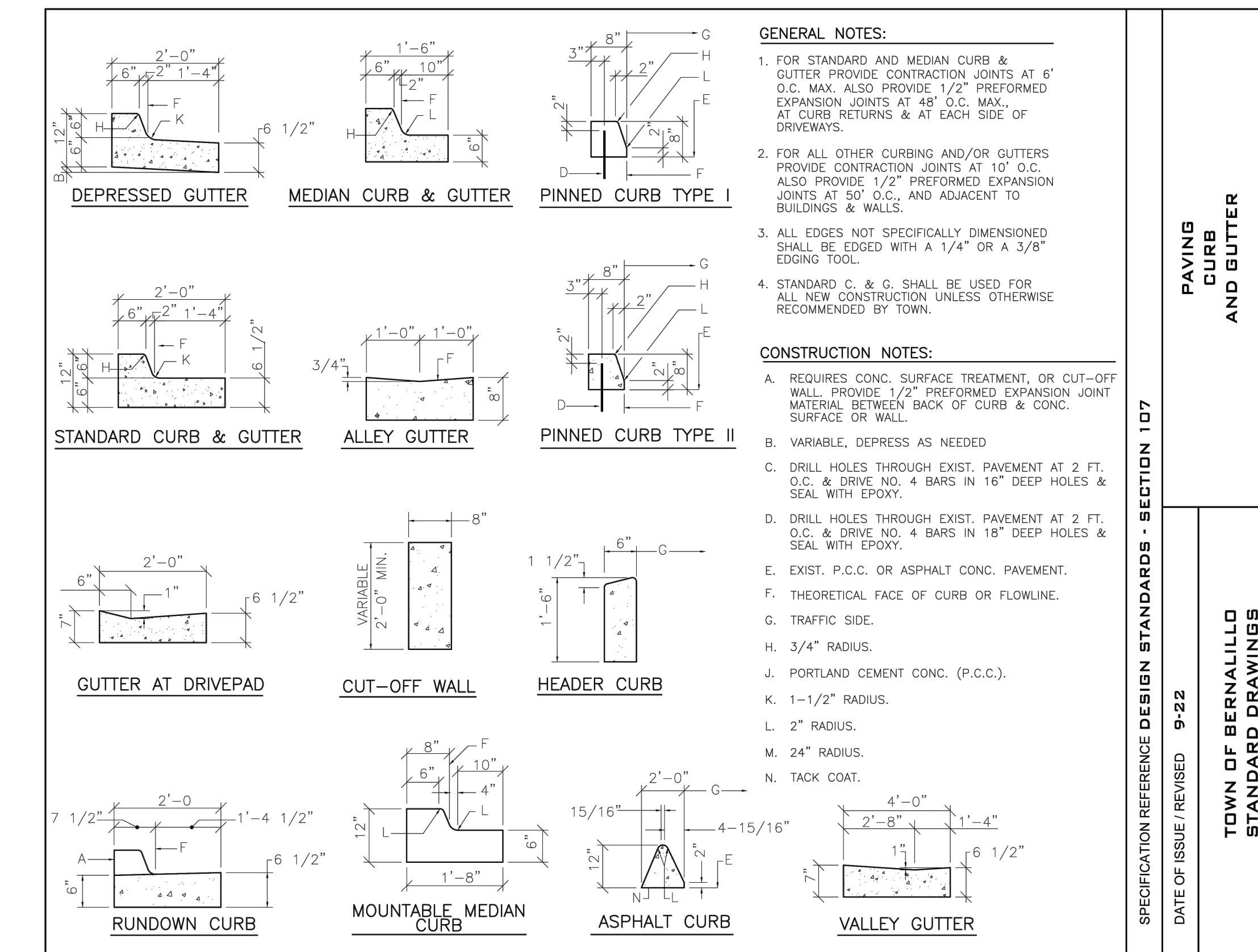
**PAVING CONCRETE VALLEY GUTTER**

Scale: NTS **A**



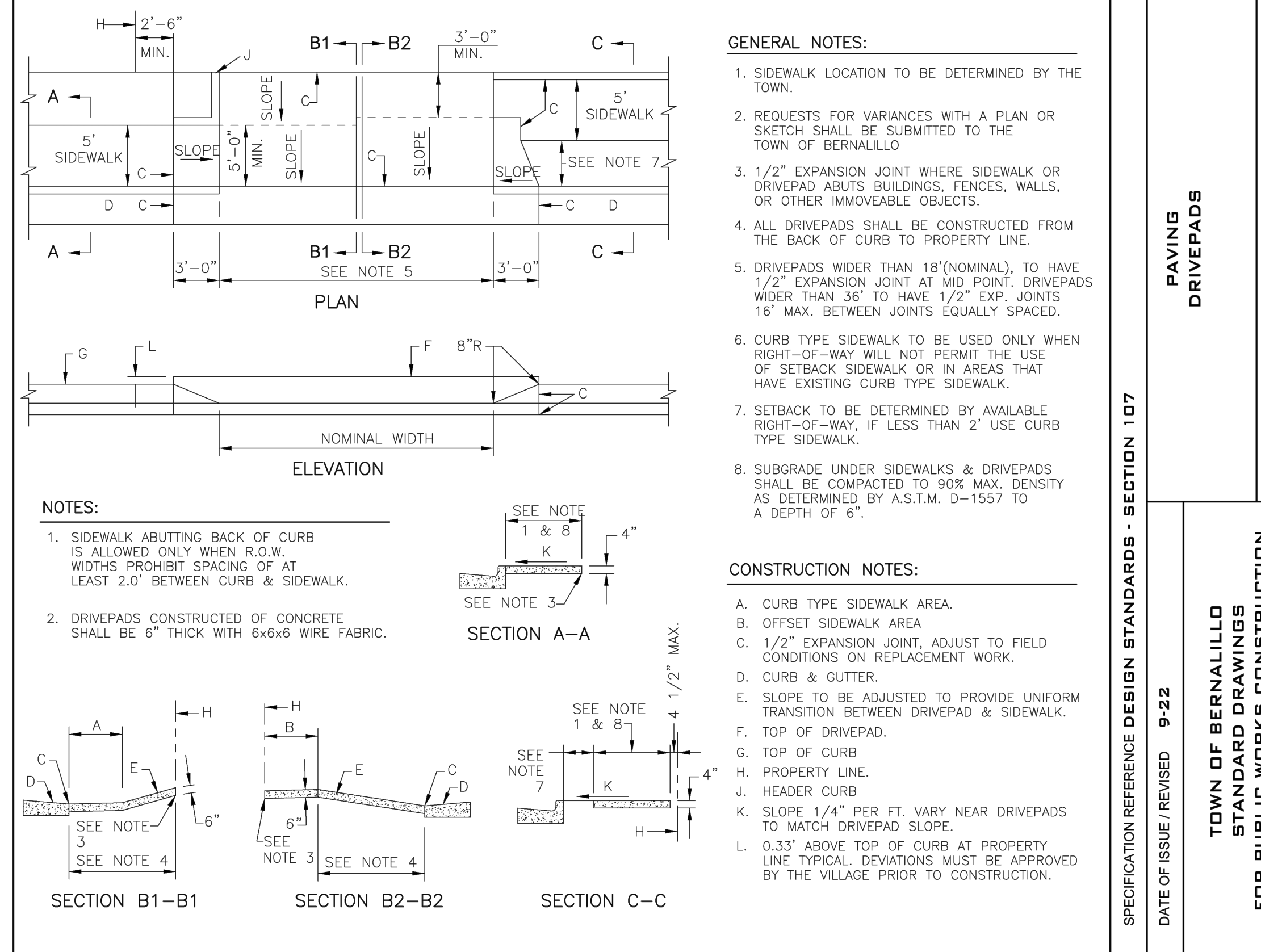
**SIDEWALK CURB & GUTTER**

Scale: NTS **B**



**PAVING CURB & GUTTER**

Scale: NTS **C**



**PAVING DRIVEPADS**

Scale: NTS **D**

Plotfile: 9/23/2024 9:33:58 AM By:Huerta, Dominic  
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 User: Slava@9/23/2024 8:46:06 AM mts@skits



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**HUIT-ZOLIARS**  
 Huit-Zoliars, Inc.  
 Rio Rancho  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
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DESIGNED FOR:  
**SANDOVAL COUNTY**

**MISCELLANEOUS DETAILS**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



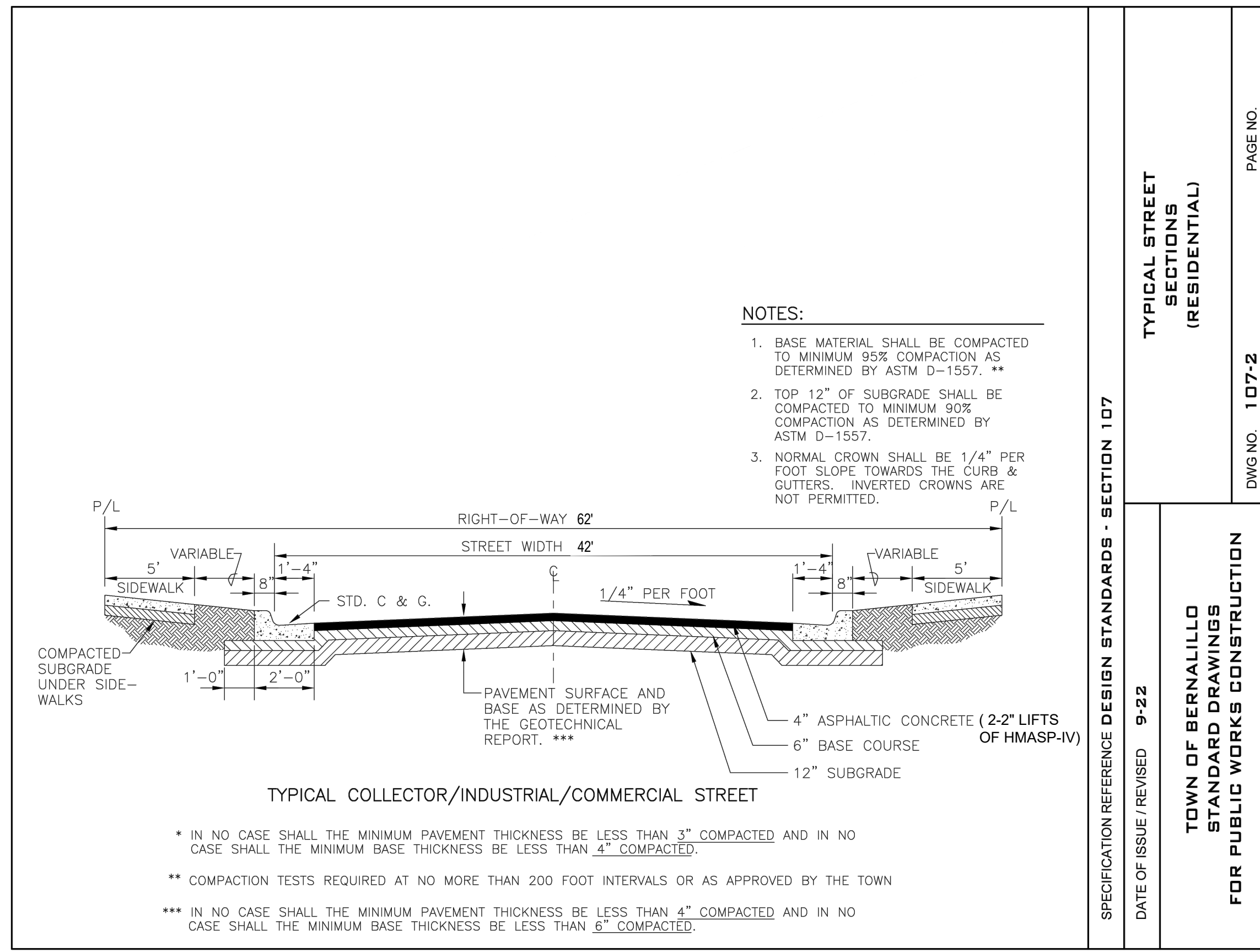
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 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
 SHEET:



TWO WORKING DAYS BEFORE YOU DIG CALL  
 NEW MEXICO 811  
 (1-800-321-2537)

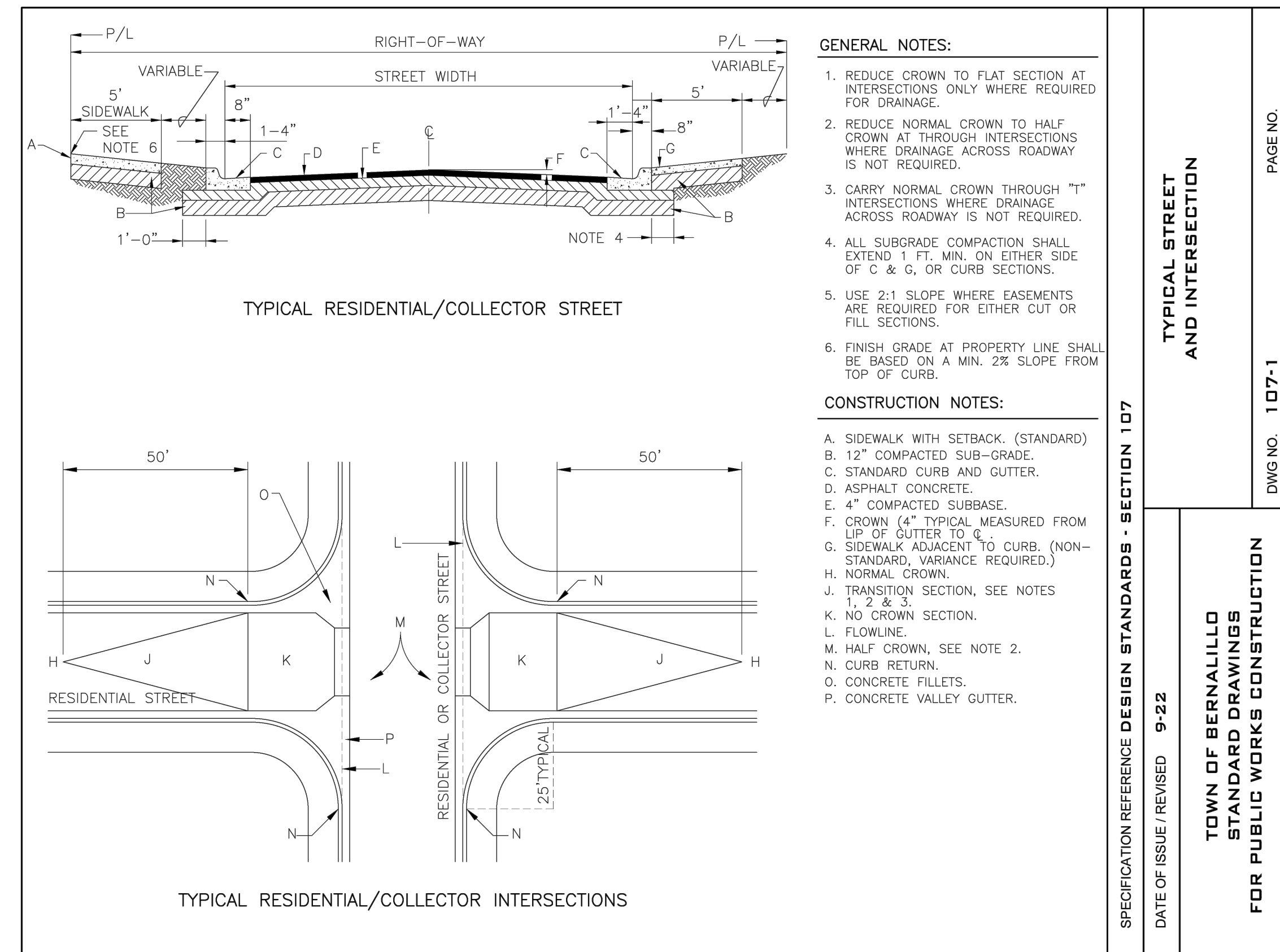
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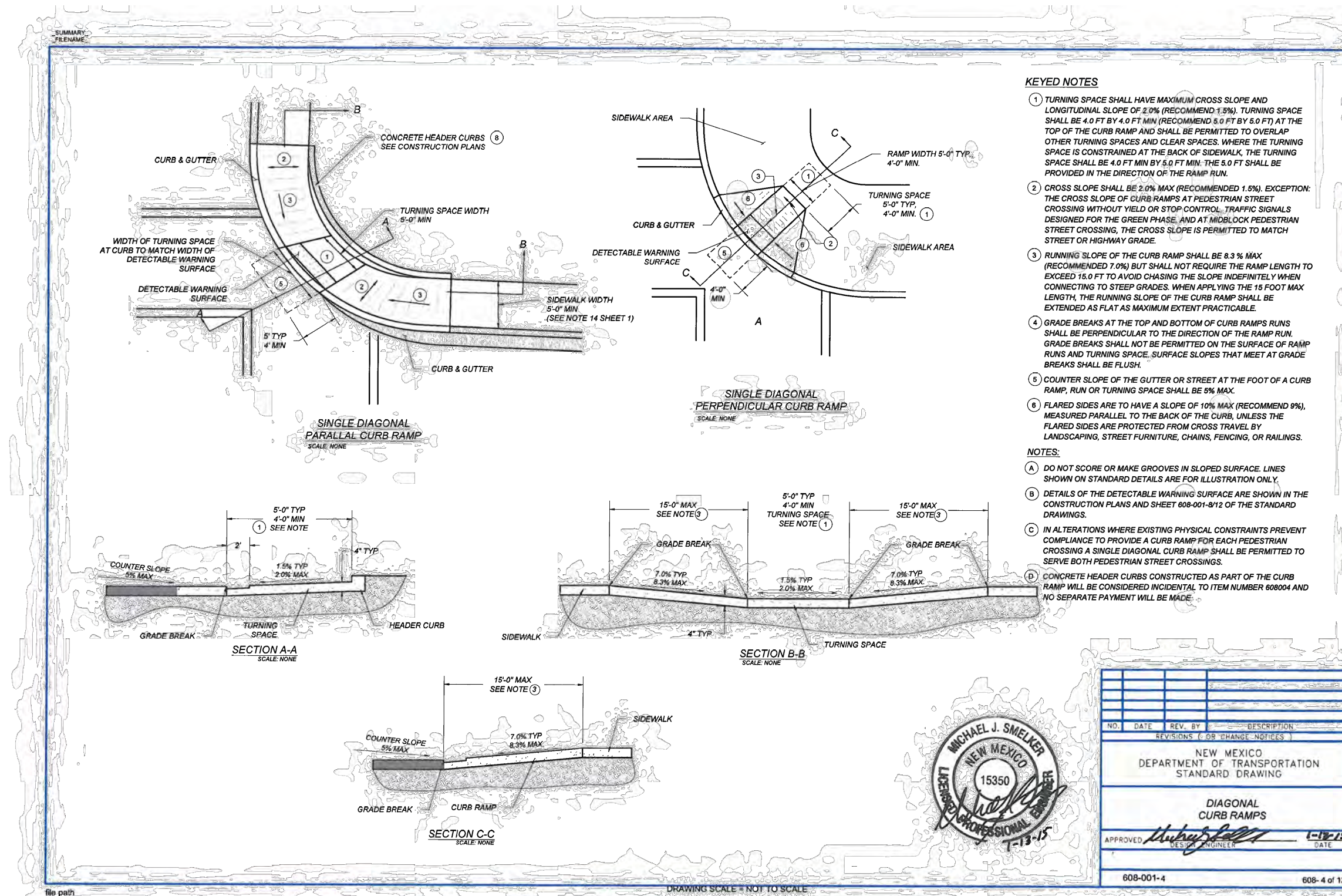
**TYPICAL STREET SECTION**

Scale: NTS **A**



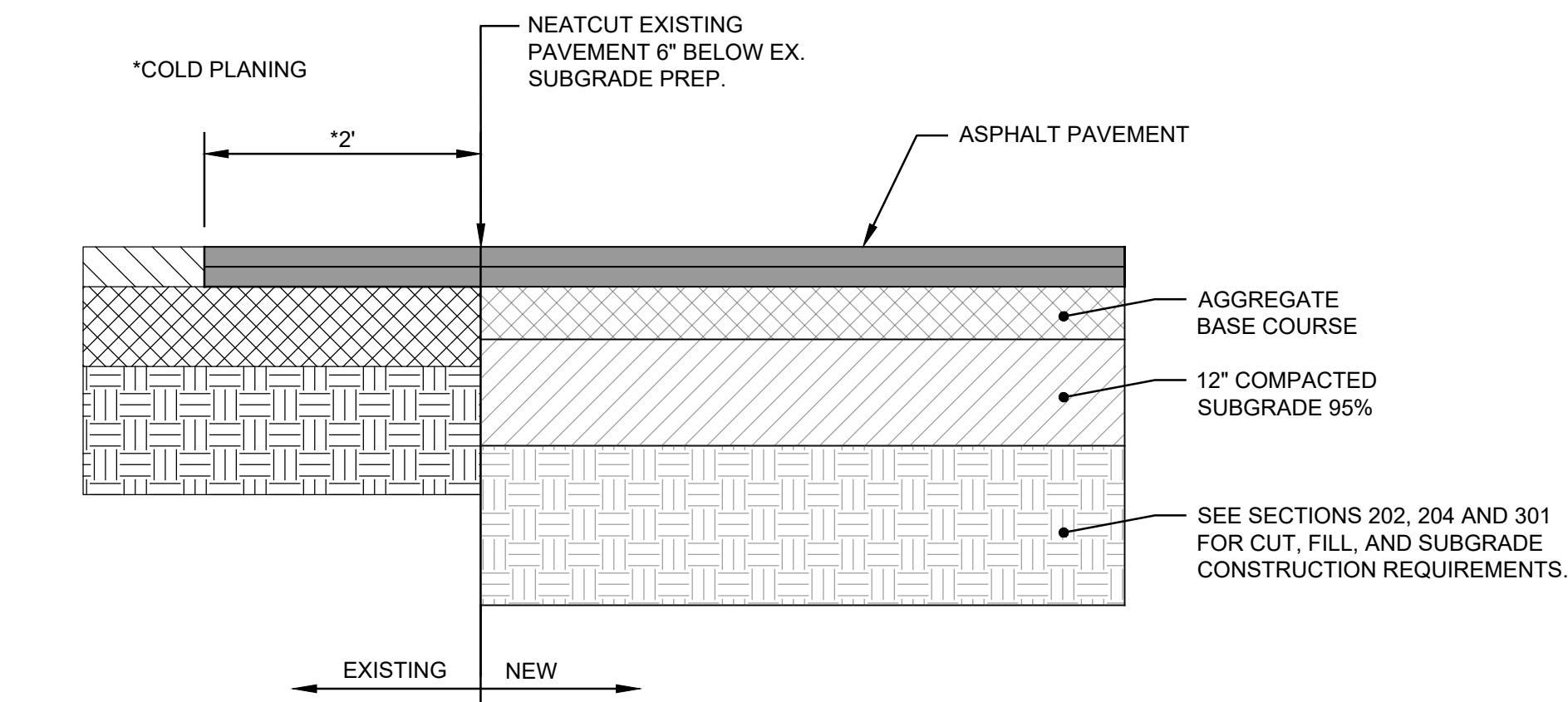
**TYPICAL STREET AND INTERSECTION**

Scale: NTS **B**



**DIAGONAL CURB RAMPS**

Scale: NTS **C**



**EXIST. / NEW ASPHALT PAVEMENT JOINT**

Scale: NTS **D**



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3333 Río Rancho Drive NE, Suite 101  
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ANIMAL SHELTER  
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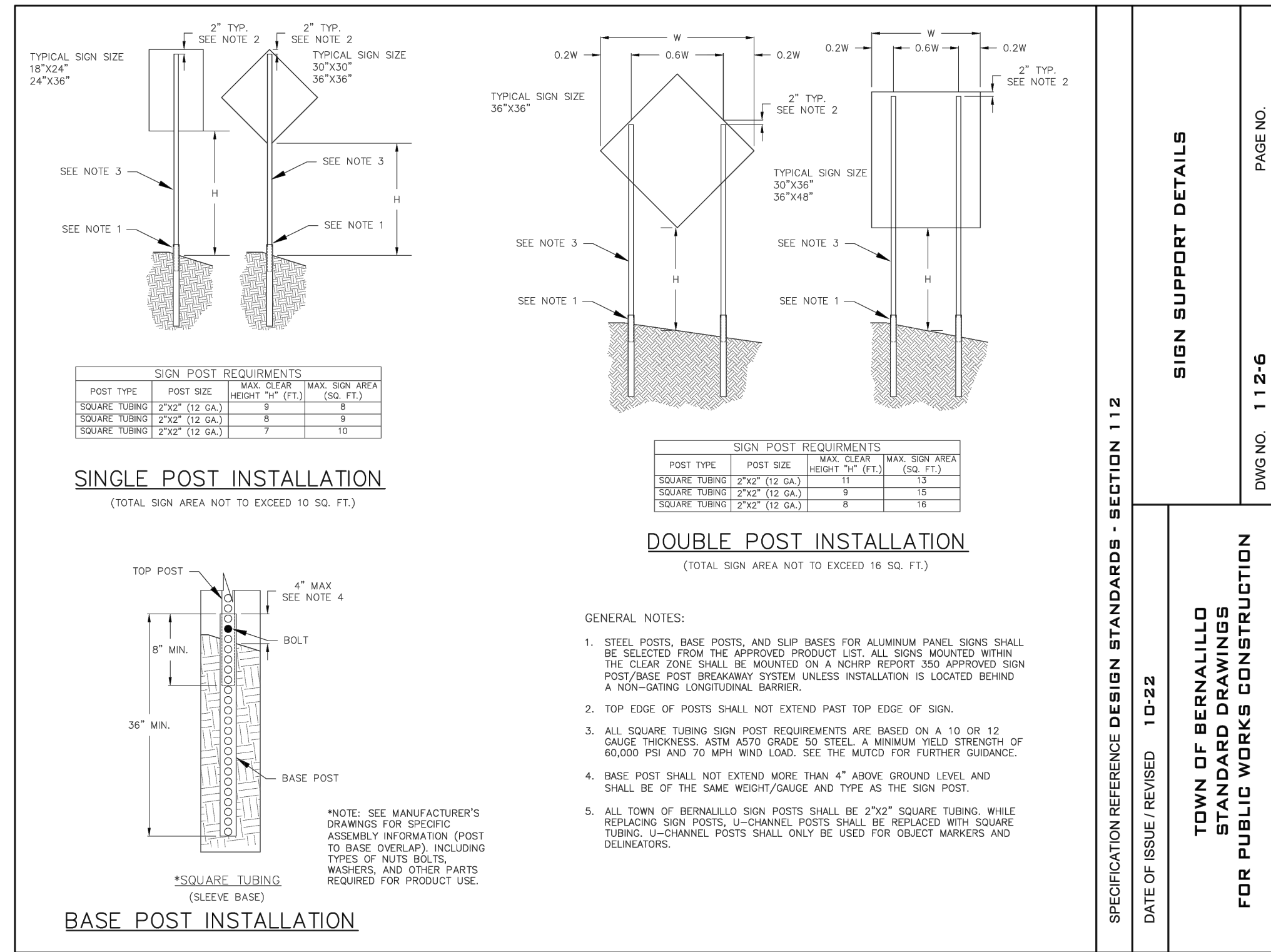


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DRAWN BY: JL / MTR  
CHECKED BY: RJJ  
DATE: SEPTEMBER 2024  
DPW CHK:  
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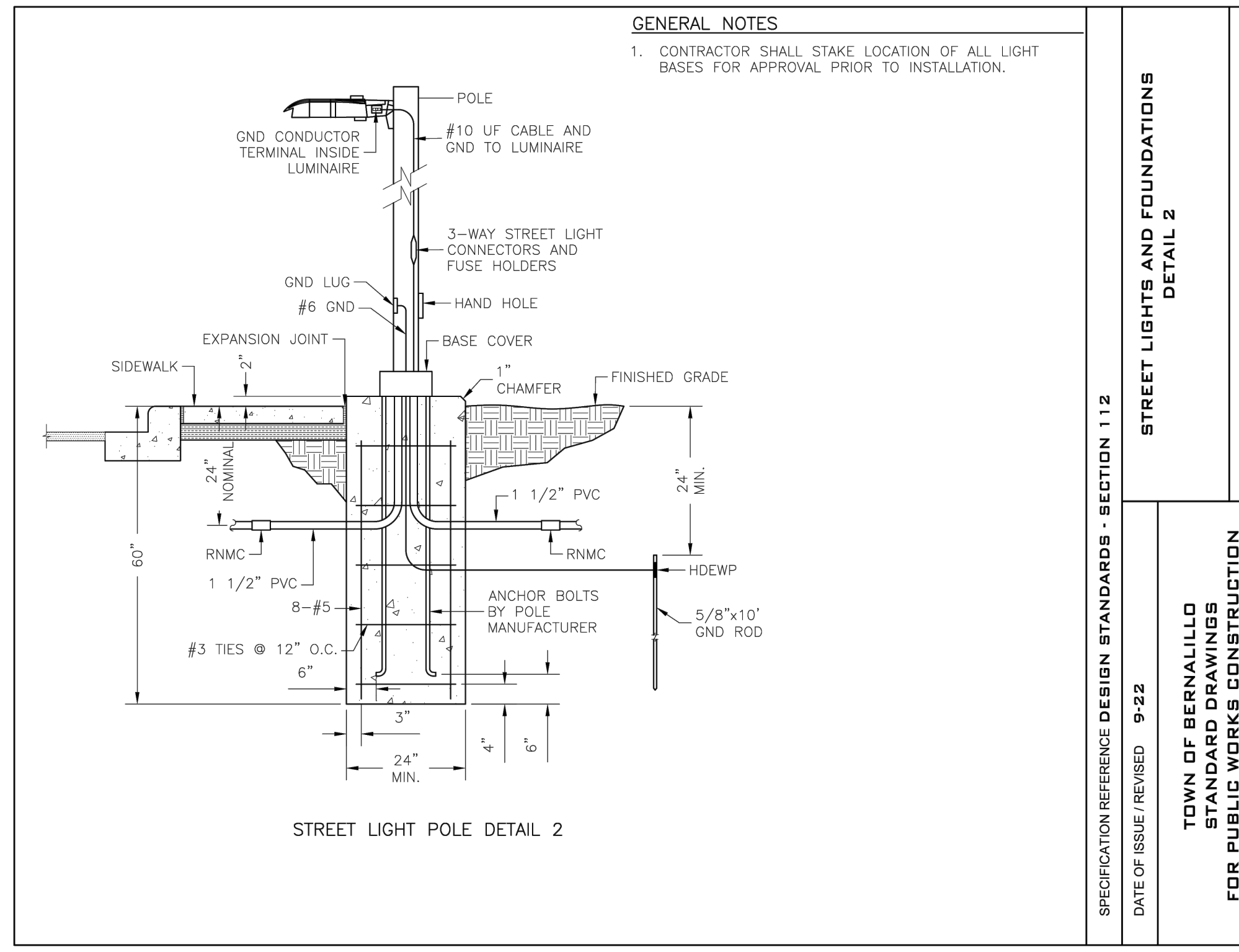
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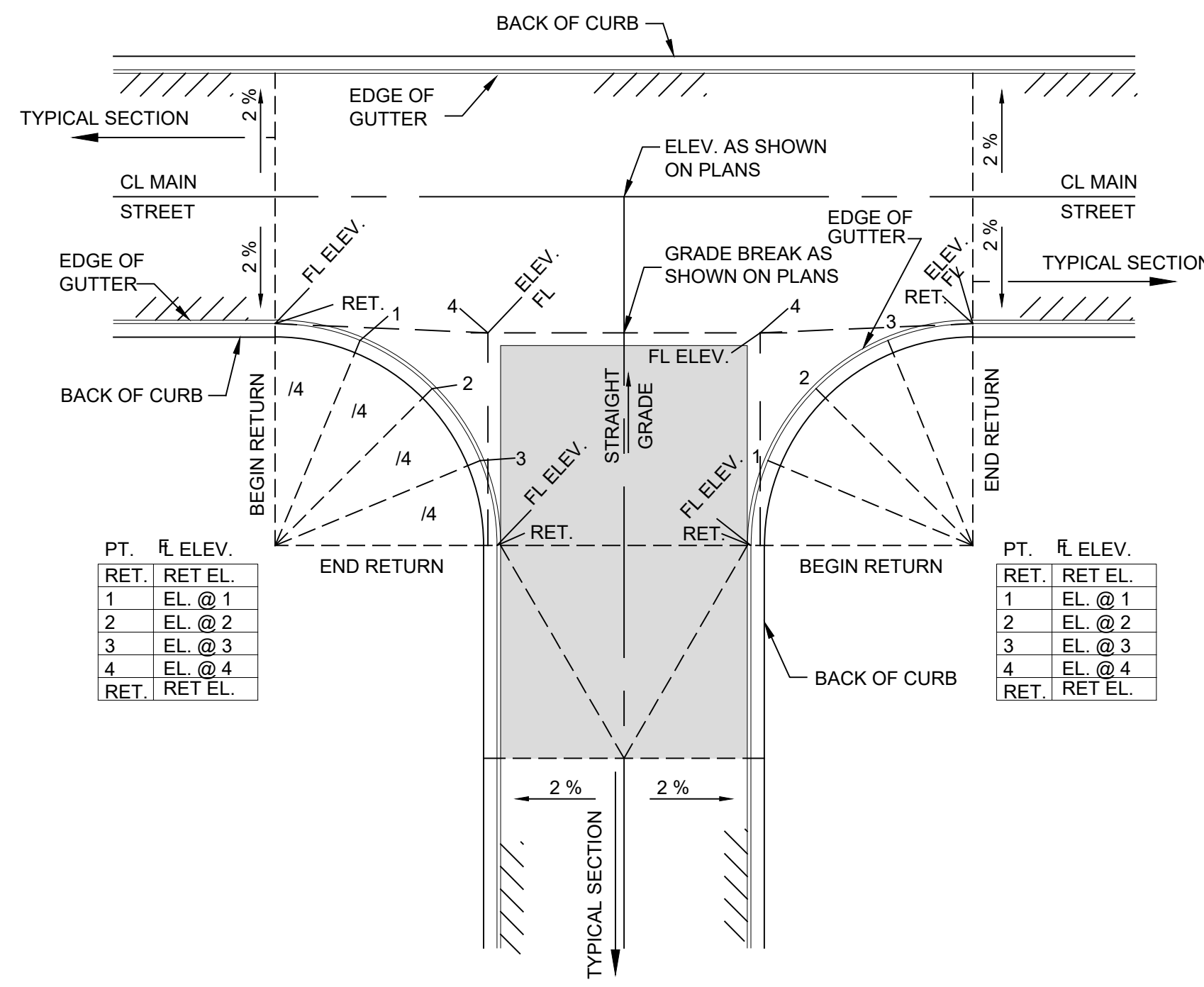
**SIGN SUPPORT DETAILS**

Scale: NTS **A**



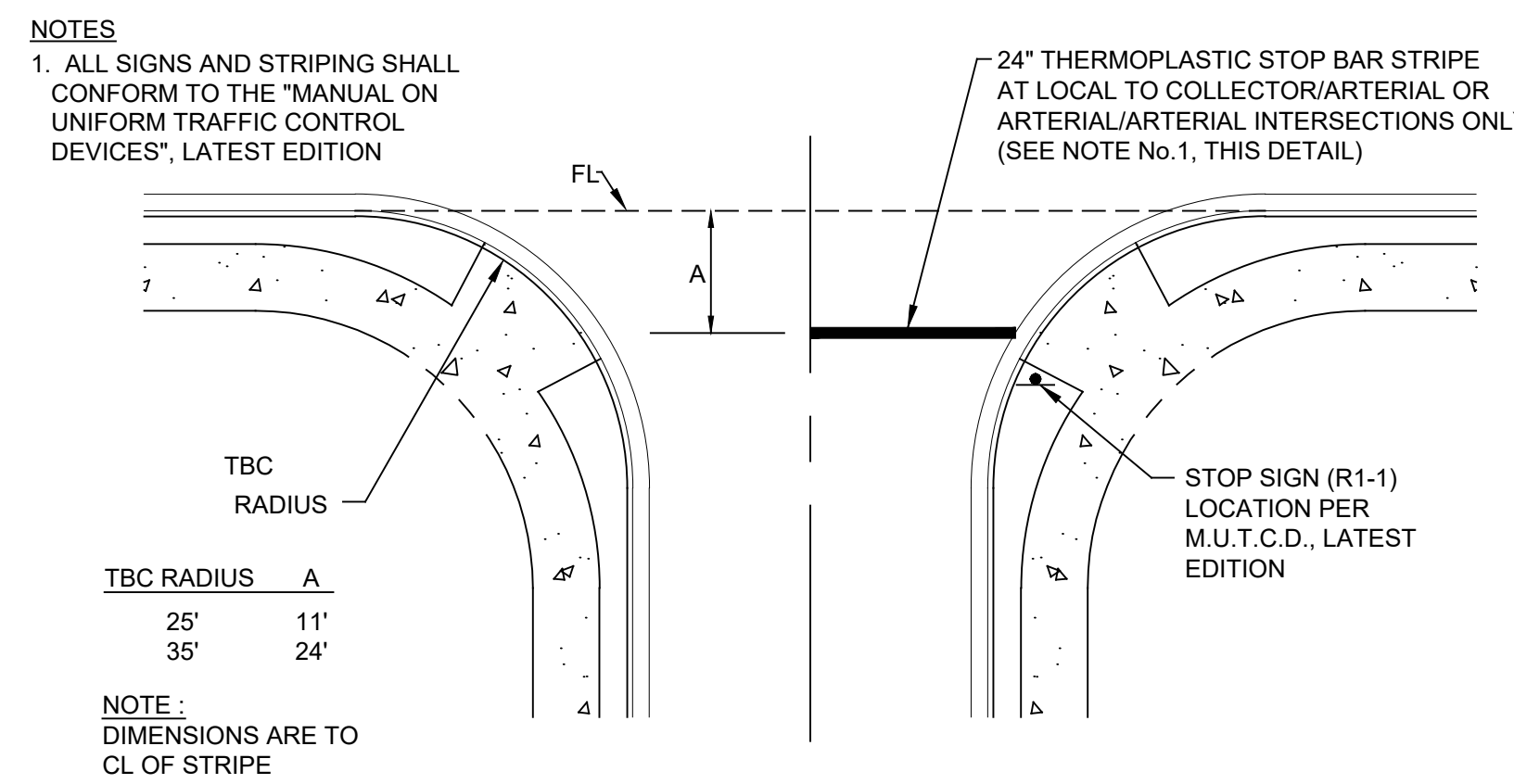
**STREET LIGHTS AND FOUNDATION DETAIL**

Scale: NTS **B**



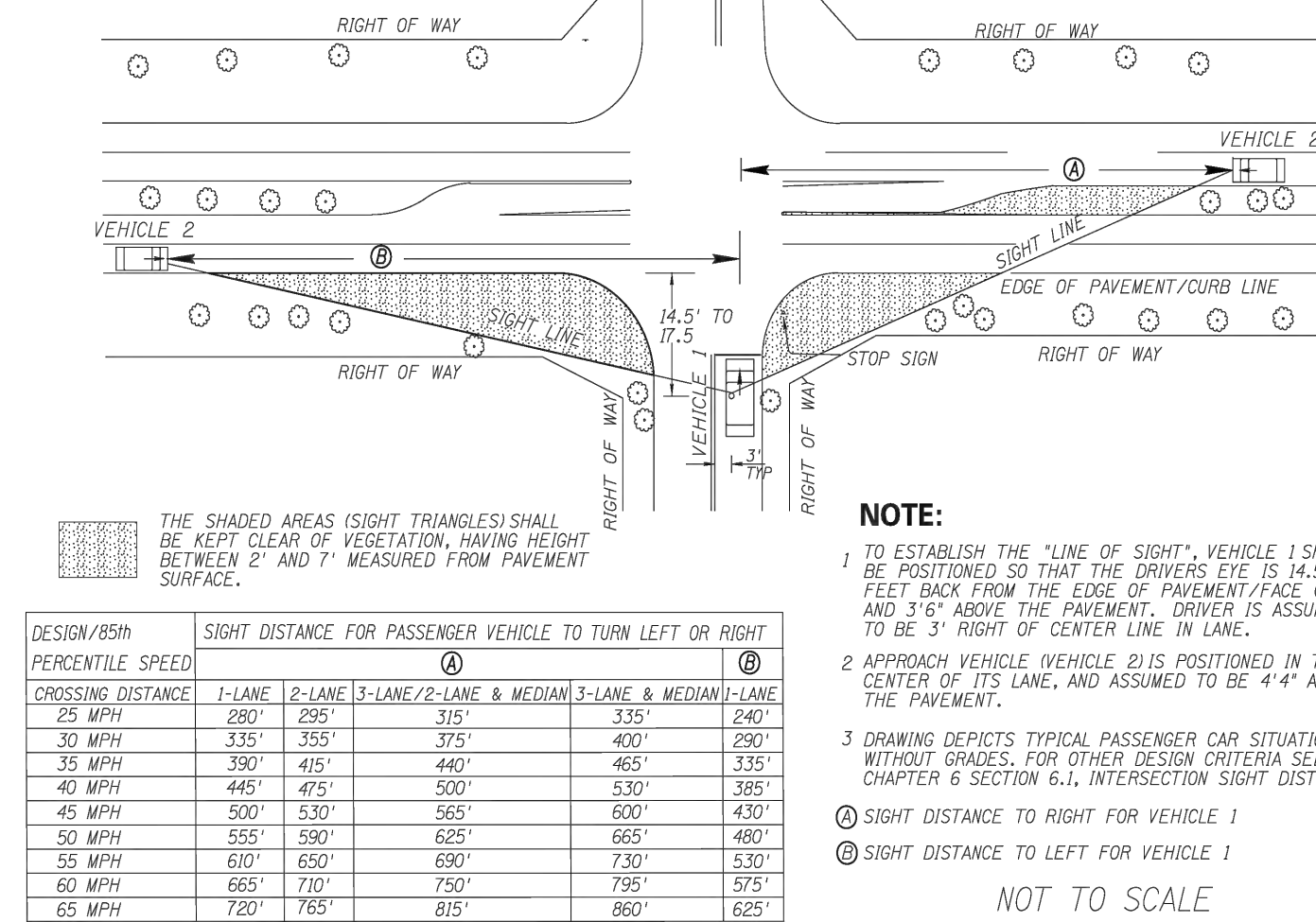
**TYPICAL INTERSECTION DETAIL**

Scale: NTS **C**



**STOP BAR AND STOP SIGN LOCATION**

Scale: NTS **D**



**INTERSECTION SIGHT TRIANGLE DETAIL**

Scale: NTS **E**

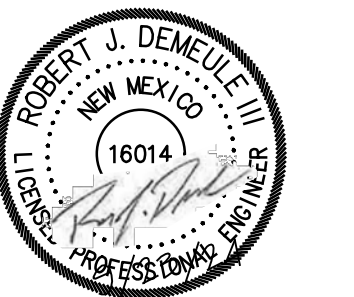
NO.	DESCRIPTION	DATE	BY
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**MISCELLANEOUS DETAILS**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



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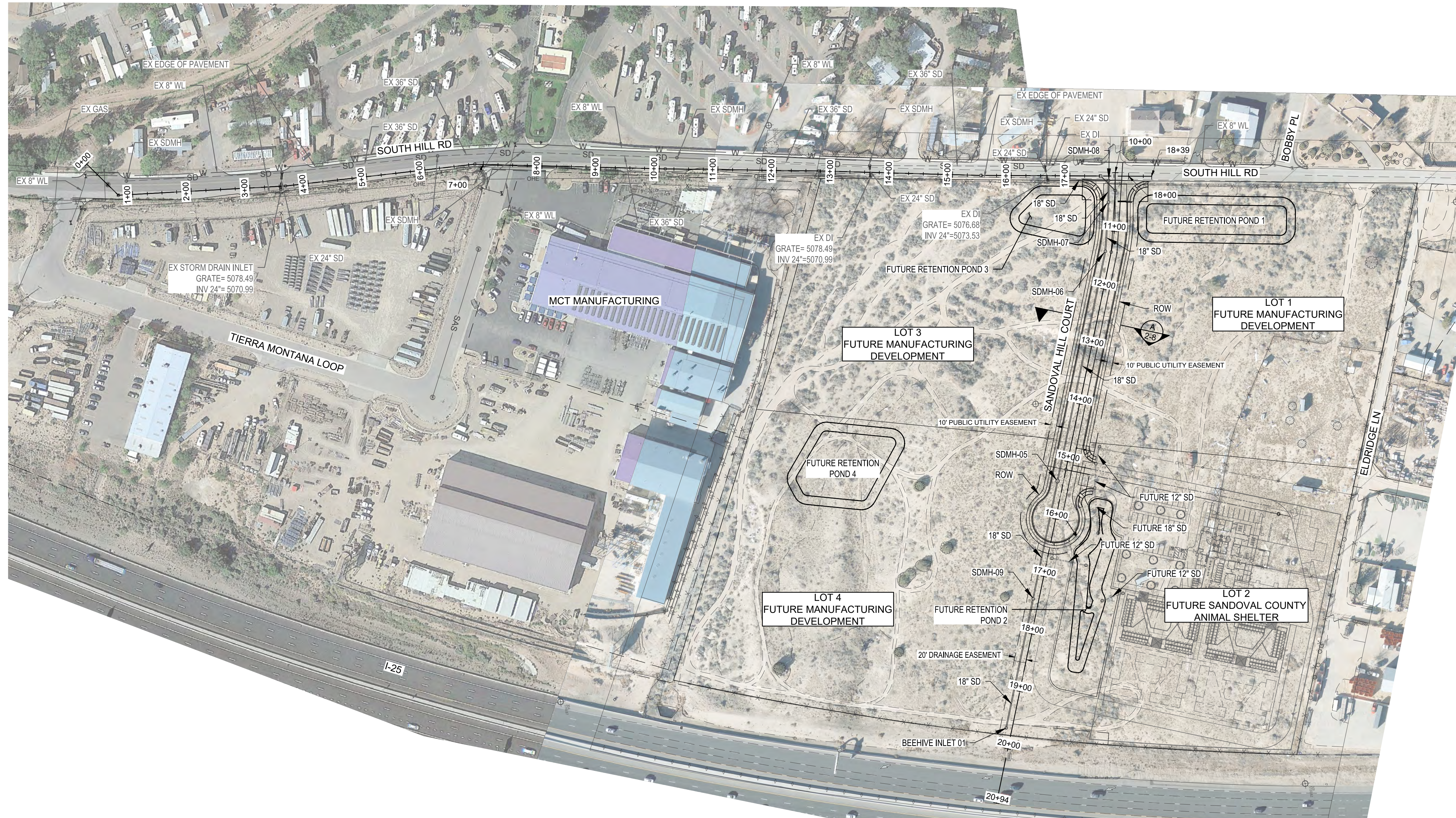


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**NOTE**

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



**OVERALL STORM DRAIN PLAN**

NO.	DESCRIPTION	DATE	BY
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DESIGNED BY:  
**HUIT-ZOLIARS**  
 Huit-Zoliars, Inc.  
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 3333 Rio Rancho Drive NE, Suite 101  
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**OVERALL STORM DRAIN PLAN**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



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DATE: SEPTEMBER 2024

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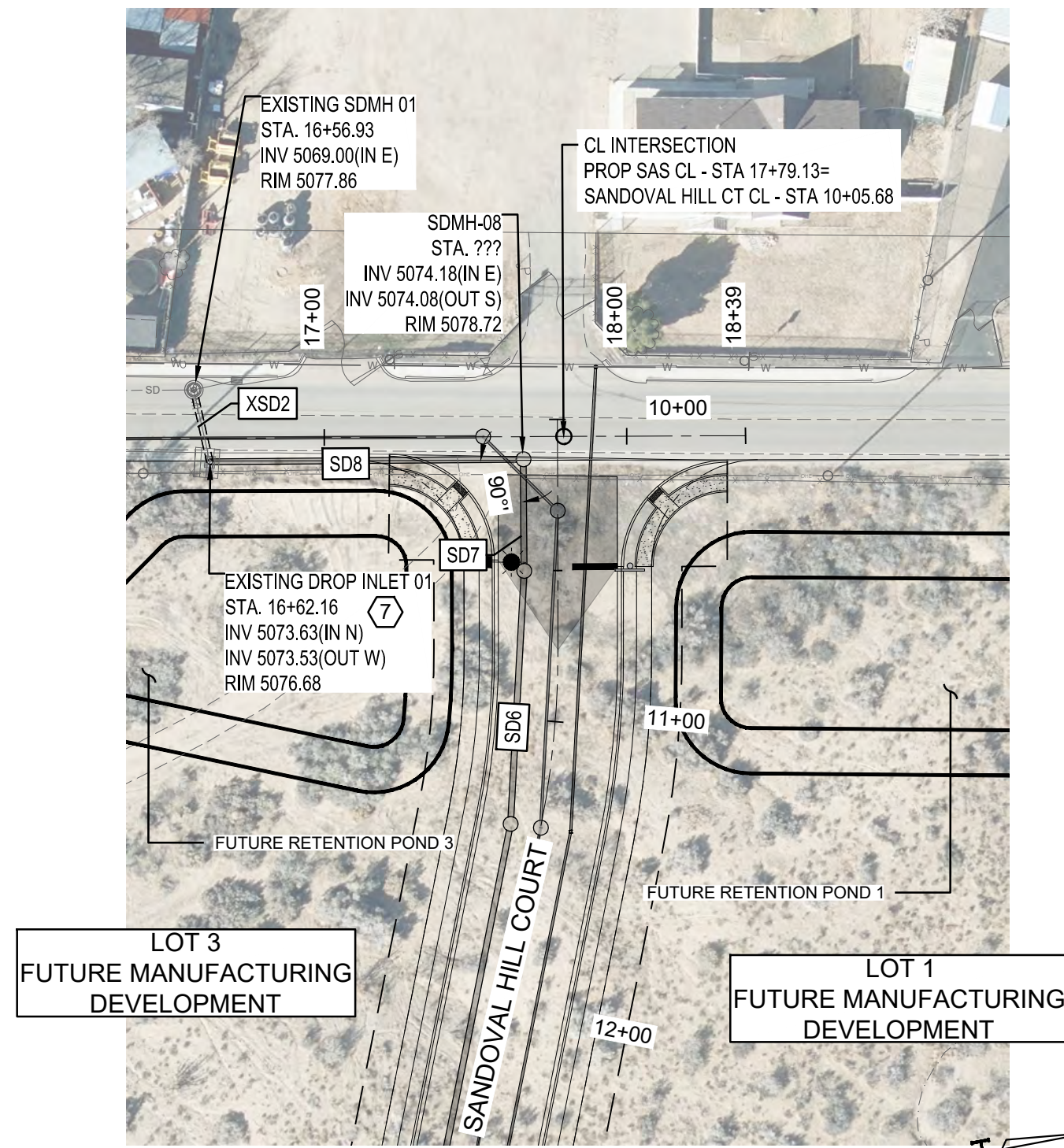
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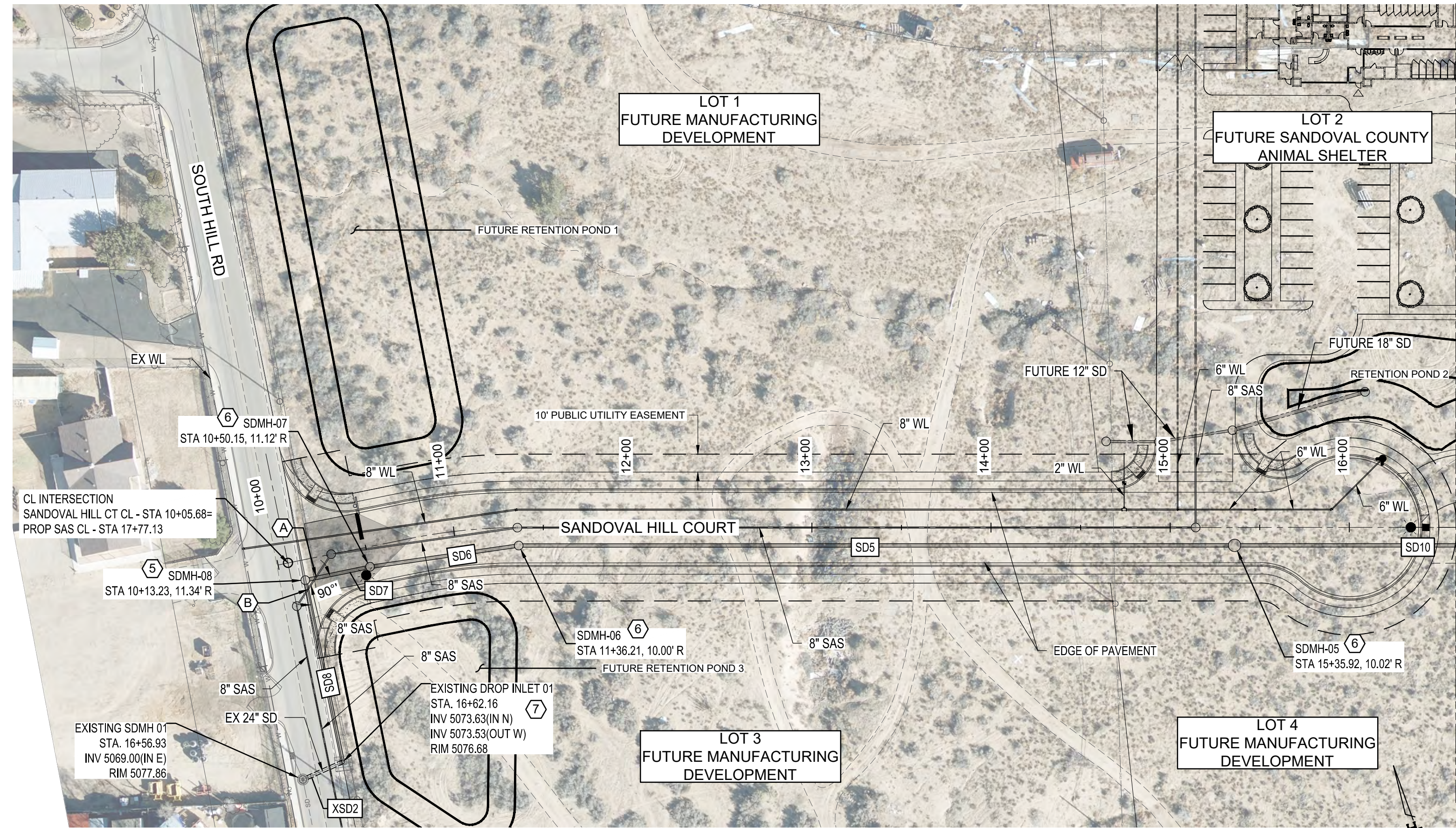
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STORM DRAIN - PLAN



STORM DRAIN - PLAN

STORM KEYED NOTES

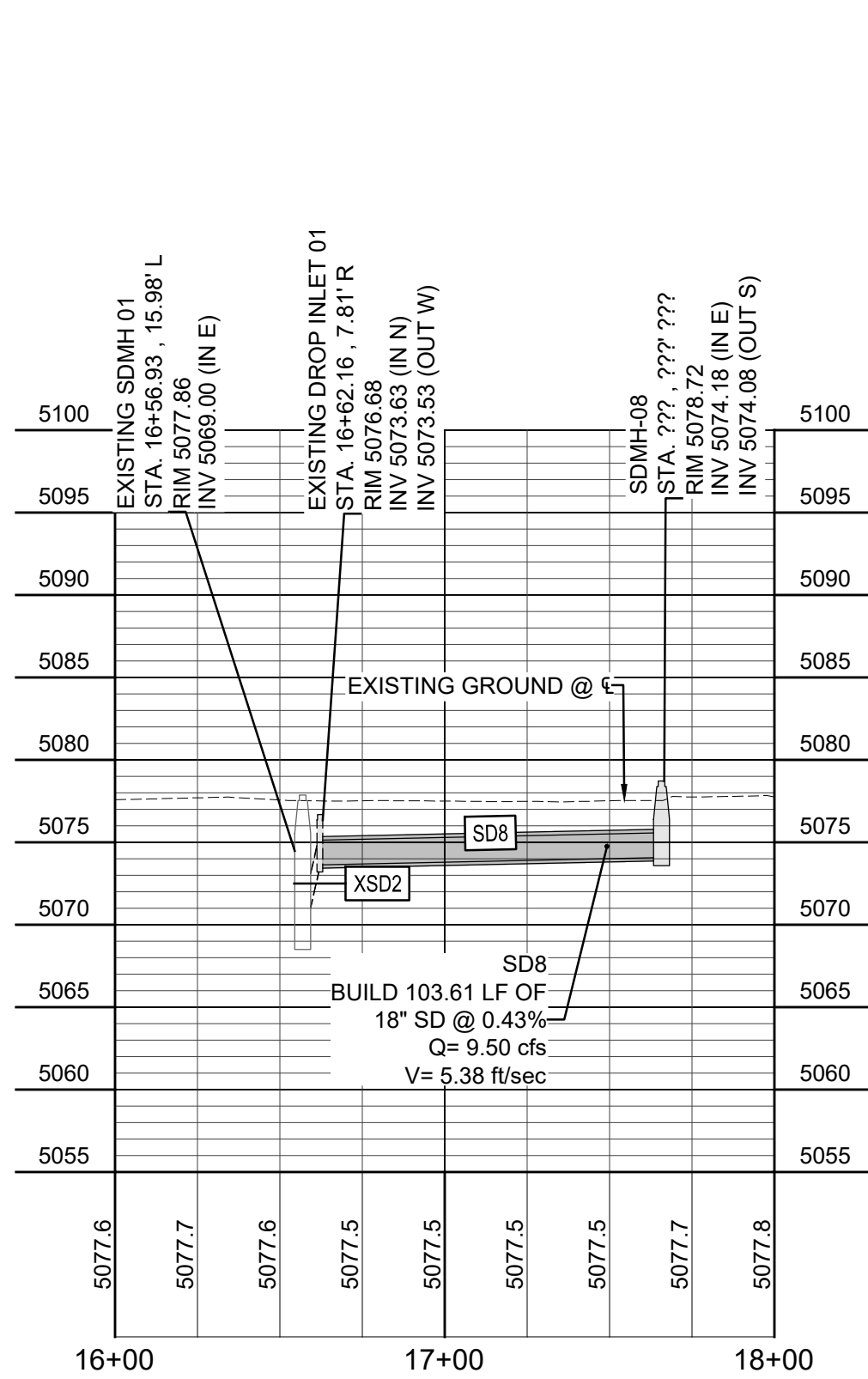
- INSTALL STORM DRAIN INLET SINGLE TYPE "A" PER NM APWA STD DWGS SEE SHEET 10-4
- INSTALL STORM DRAIN INLET SINGLE TYPE "C" PER NM APWA STD DWG SEE SHEET 10-4
- INSTALL STORM DRAIN INLET SINGLE TYPE "D" PER NM APWA STD DWG SEE SHEET 10-4
- INSTALL BEEHIVE MANHOLE PER DETAIL A SHEET 10-6
- INSTALL 6-FT DIAMETER MANHOLE PER TOB STD DWG 109-5 SEE DETAIL C SHEET 11-5  
INSTALL MH RING PER TOB STD DWG 109-8 SEE DETAIL D SHEET 11-5
- INSTALL 4-FT DIAMETER MANHOLE PER TOB STD DWG 109-5 SEE DETAIL C SHEET 11-5  
INSTALL MH RING PER TOB STD DWG 109-8 SEE DETAIL D SHEET 11-5
- CONNECT TO EXISTING STORM DRAIN INLET

STORM DRAIN DATA				
PIPE	PIPE DIA	BEARING	LENGTH	SLOPE
SD5	18"	N70° 00' 34"W	399.71'	3.93%
SD6	18"	N78° 08' 57"W	83.82'	1.17%
SD7	18"	N81° 40' 06"W	36.93'	0.60%
SD8	18"	S08° 19' 37"W	103.61'	0.43%
SD10	18"	N70° 00' 59"W	204.82'	5.38%
XSD2	24"	S86° 05' 15"W	24.36'	18.60%

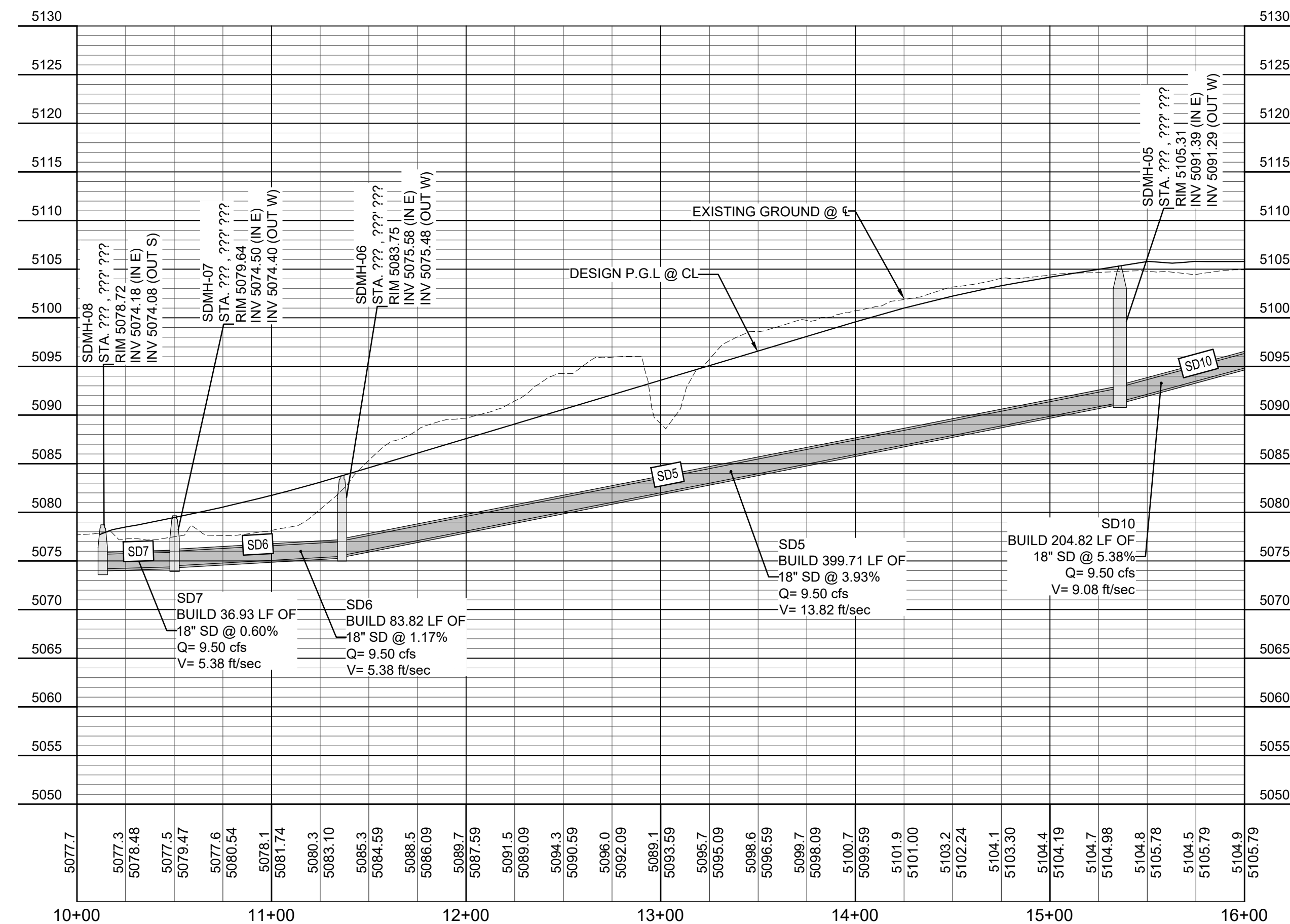
(X) UTILITY CROSSINGS					
DES	8" SAS	6" WL	SD	EX SD	CLEARANCE (FT)
A (TP)	5071.95		5075.90		2.04
A (BP)	5071.23		5073.99		
B (TP)	5071.57		5075.76		2.28
B (BP)	5070.86		5073.85		

NOTE

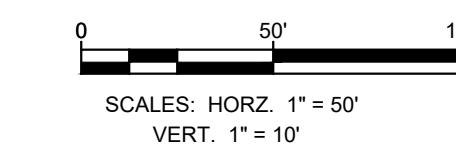
IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



STORM DRAIN - PROFILE



STORM DRAIN - PROFILE



TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)



NO.	DESCRIPTION	DATE	BY
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 Huit-Zoliars, Inc.  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
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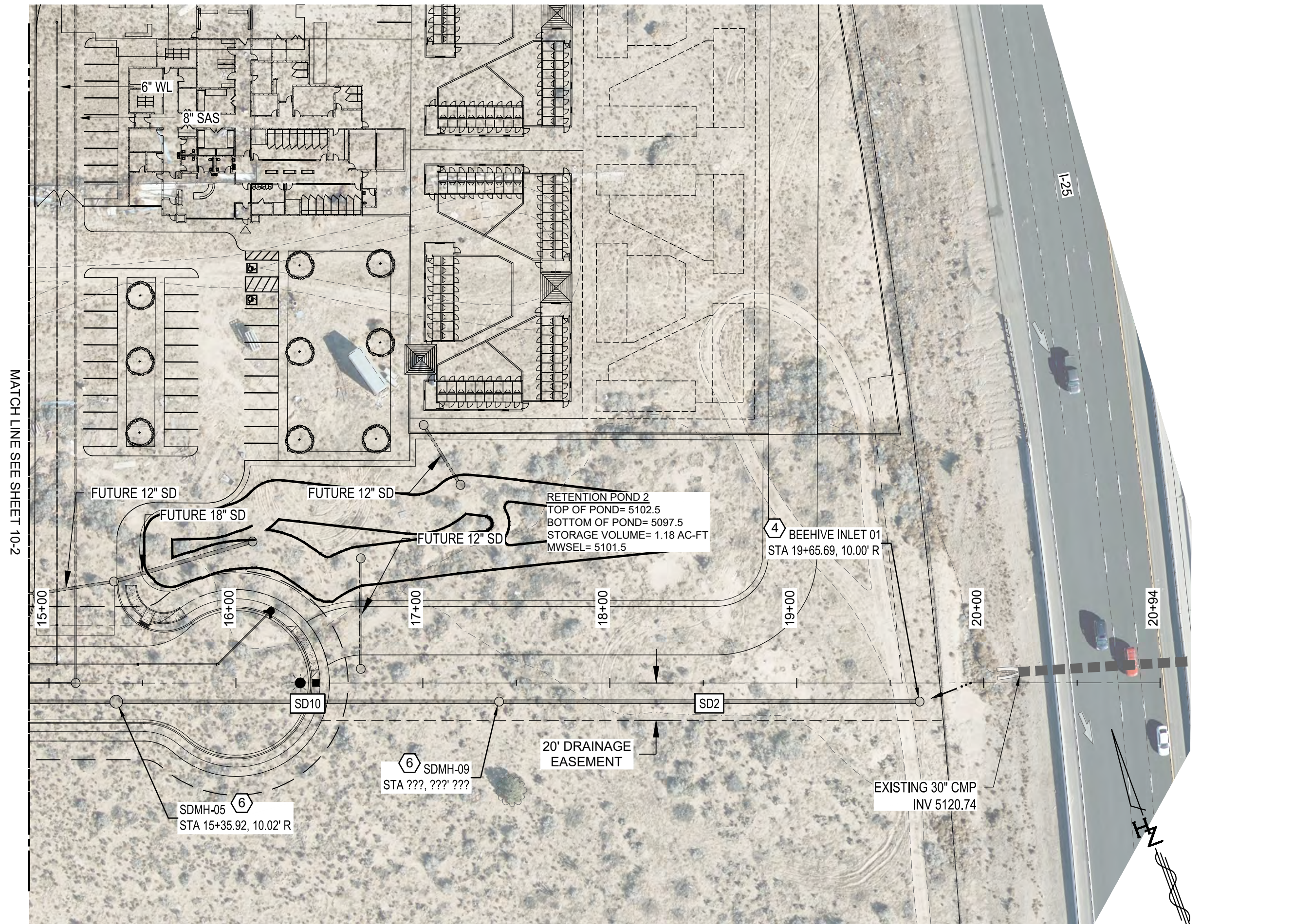
DESIGNED FOR: **SANDOVAL COUNTY**

STORM DRAIN PLAN & PROFILES  
 SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION

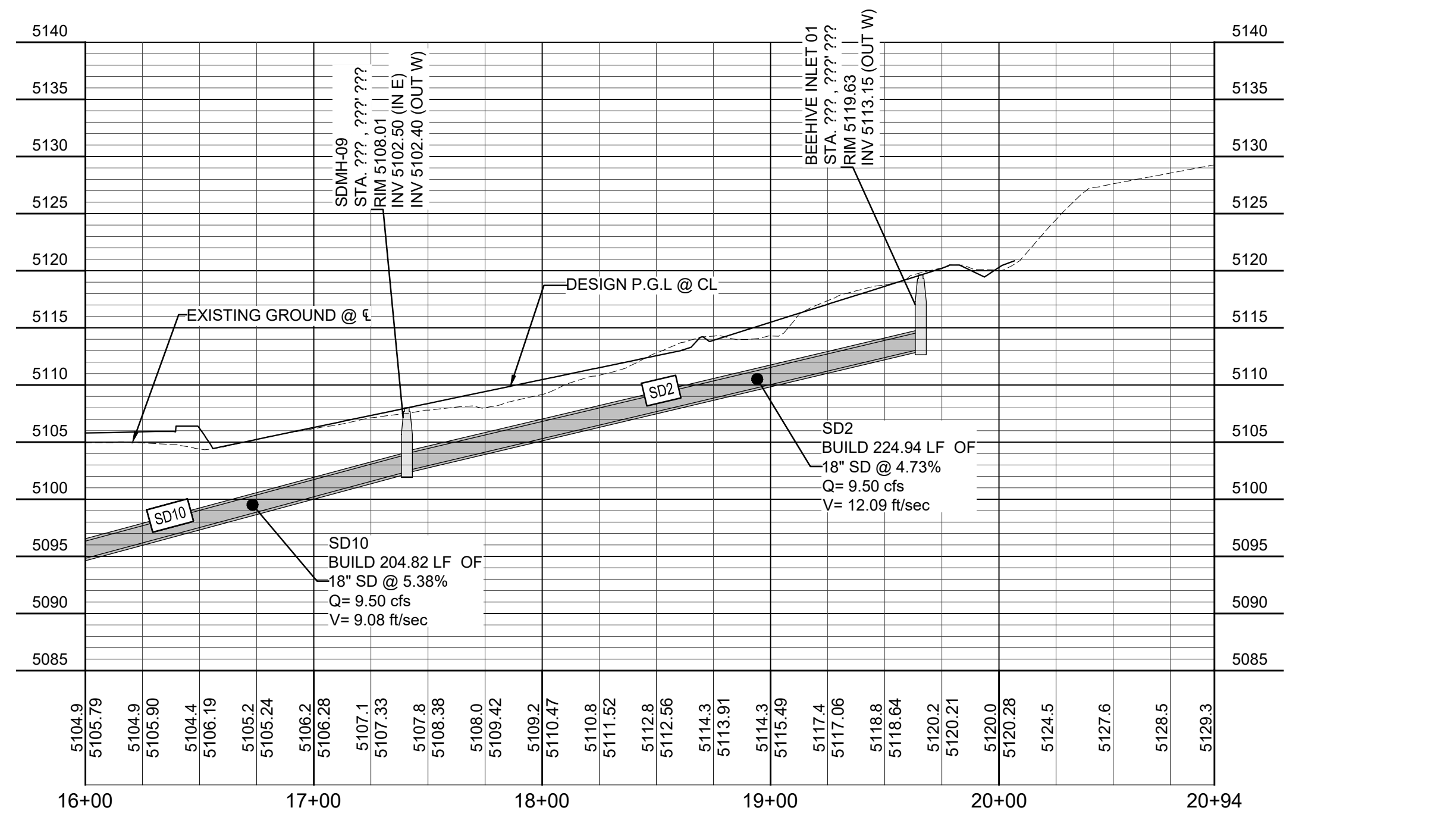


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 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:





STORM DRAIN - PLAN



STORM DRAIN - PROFILE

# STORM KEYED NOTES

- 1 INSTALL STORM DRAIN INLET SINGLE TYPE "A" PER NM APWA STD DWGS SEE SHEET 10-4
- 2 INSTALL STORM DRAIN INLET SINGLE TYPE "C" PER NM APWA STD DWG SEE SHEET 10-4
- 3 INSTALL STORM DRAIN INLET SINGLE TYPE "D" PER NM APWA STD DWG SEE SHEET 10-4
- 4 INSTALL BEEHIVE MANHOLE PER DETAIL A SHEET 10-6
- 5 INSTALL 6-FT DIAMETER MANHOLE PER TOB STD DWG 109-5 SEE DETAIL C SHEET 11-5  
INSTALL MH RING PER TOB STD DWG 109-8 SEE DETAIL D SHEET 11-5
- 6 INSTALL 4-FT DIAMETER MANHOLE PER TOB STD DWG 109-5 SEE DETAIL C SHEET 11-5  
INSTALL MH RING PER TOB STD DWG 109-8 SEE DETAIL D SHEET 11-5
- 7 CONNECT TO EXISTING STORM DRAIN INLET

NOTE

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.

STORM DRAIN DATA

PIPE	PIPE DIA	BEARING	LENGTH	SLOPE
SD2	18"	N70° 00' 42"W	224.94'	4.73%
SD10	18"	N70° 00' 59"W	204.82'	5.38%



NO.	DESCRIPTION	DATE	BY
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**STORM DRAIN  
 PLAN & PROFILES**  
 SANDOVAL COUNTY  
 ANIMAL SHELTER  
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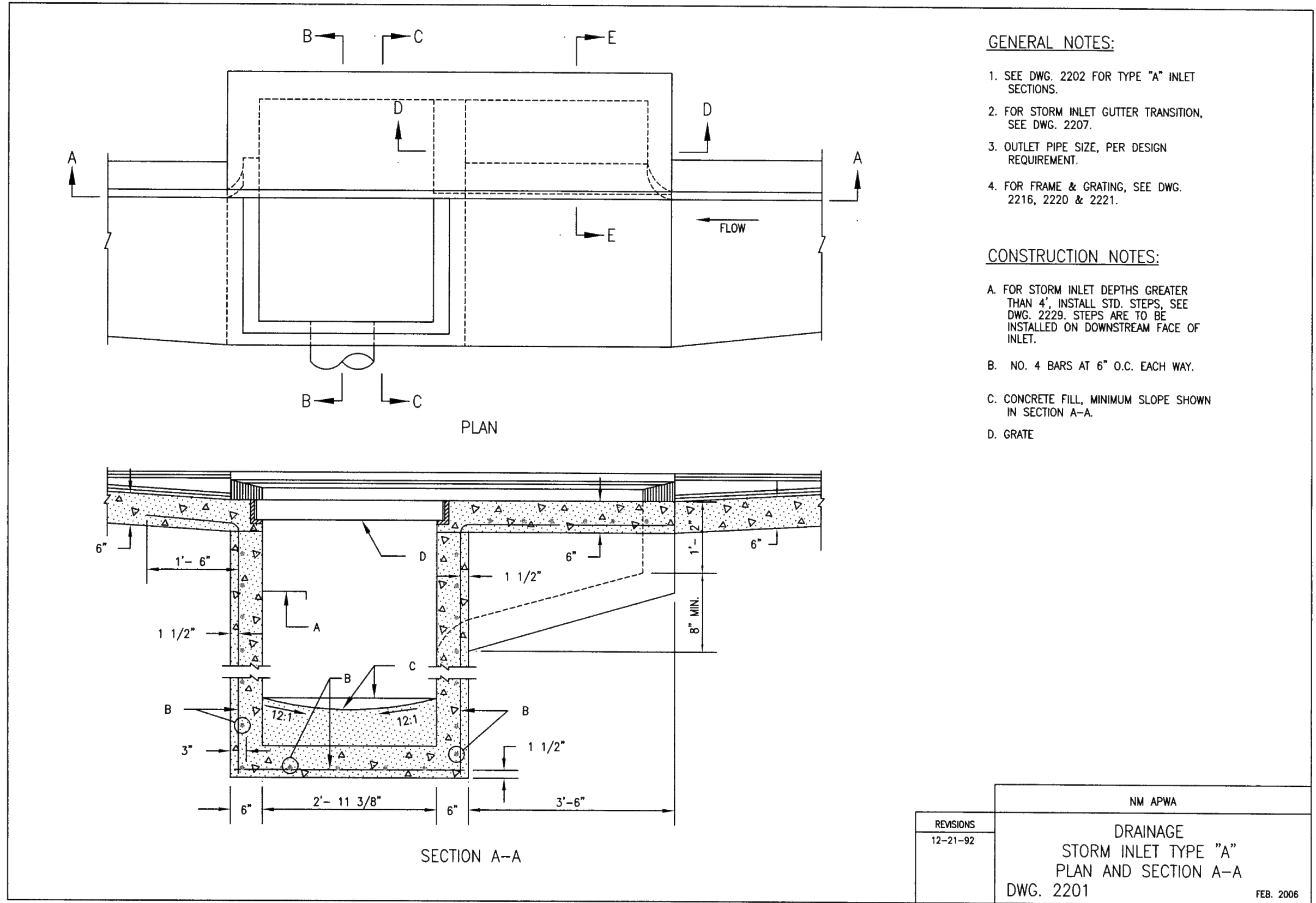
PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
 SHEET:



TWO WORKING DAYS  
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Plotter: 9/23/2024 9:35:35 AM By:Huerta, Dominic  
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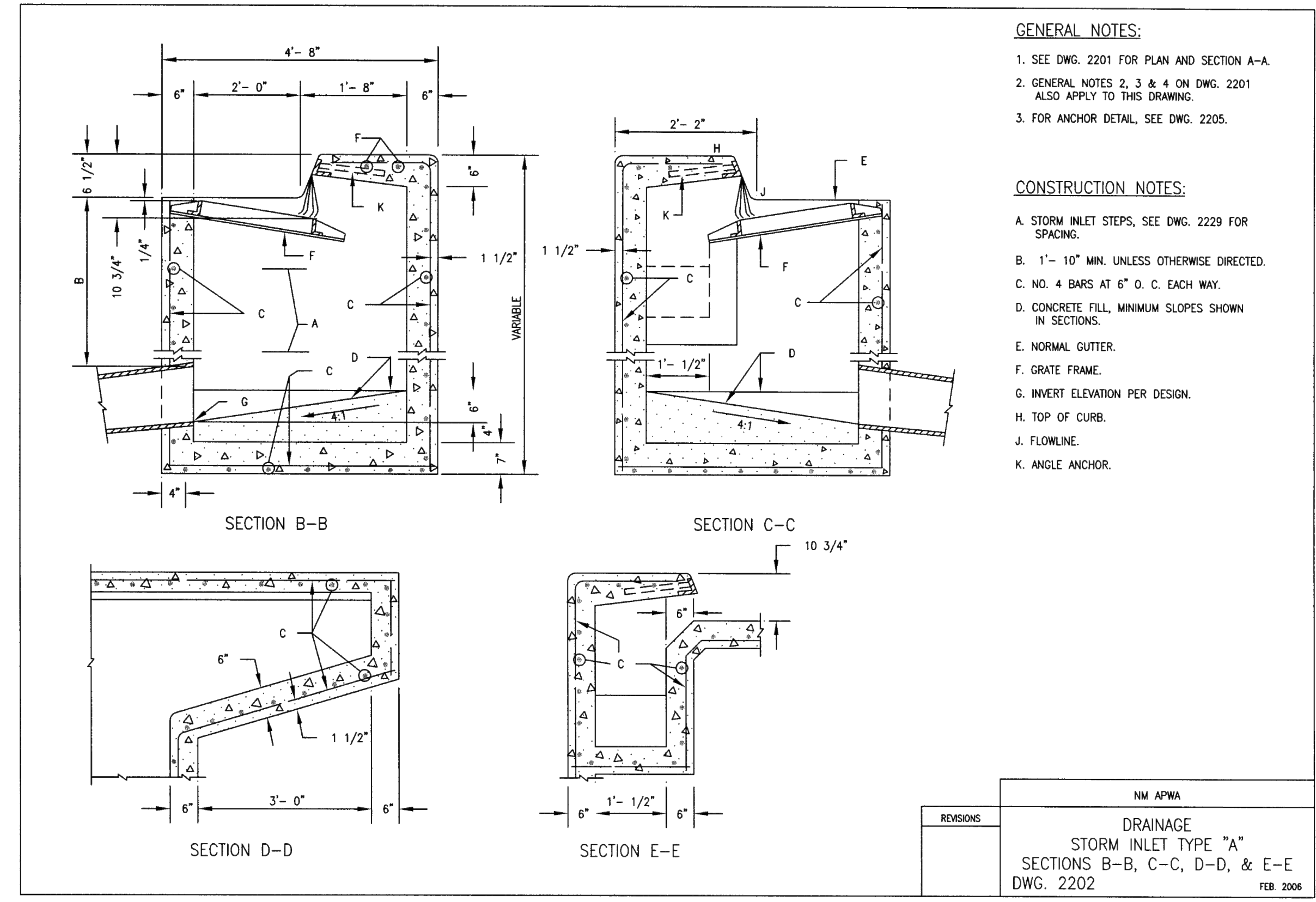




- GENERAL NOTES:**
- SEE DWG. 2202 FOR TYPE "A" INLET SECTIONS.
  - FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
  - OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
  - FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.
- CONSTRUCTION NOTES:**
- FOR STORM INLET DEPTHS GREATER THAN 4", INSTALL STD. STEPS, SEE DWG. 2229. STEPS ARE TO BE INSTALLED ON DOWNSTREAM FACE OF INLET.
  - NO. 4 BARS AT 6" O.C. EACH WAY.
  - CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.
  - GRATE.

REVISIONS	NM APWA
12-21-92	DRAINAGE STORM INLET TYPE "A" PLAN AND SECTION A-A DWG. 2201
	FEB. 2006

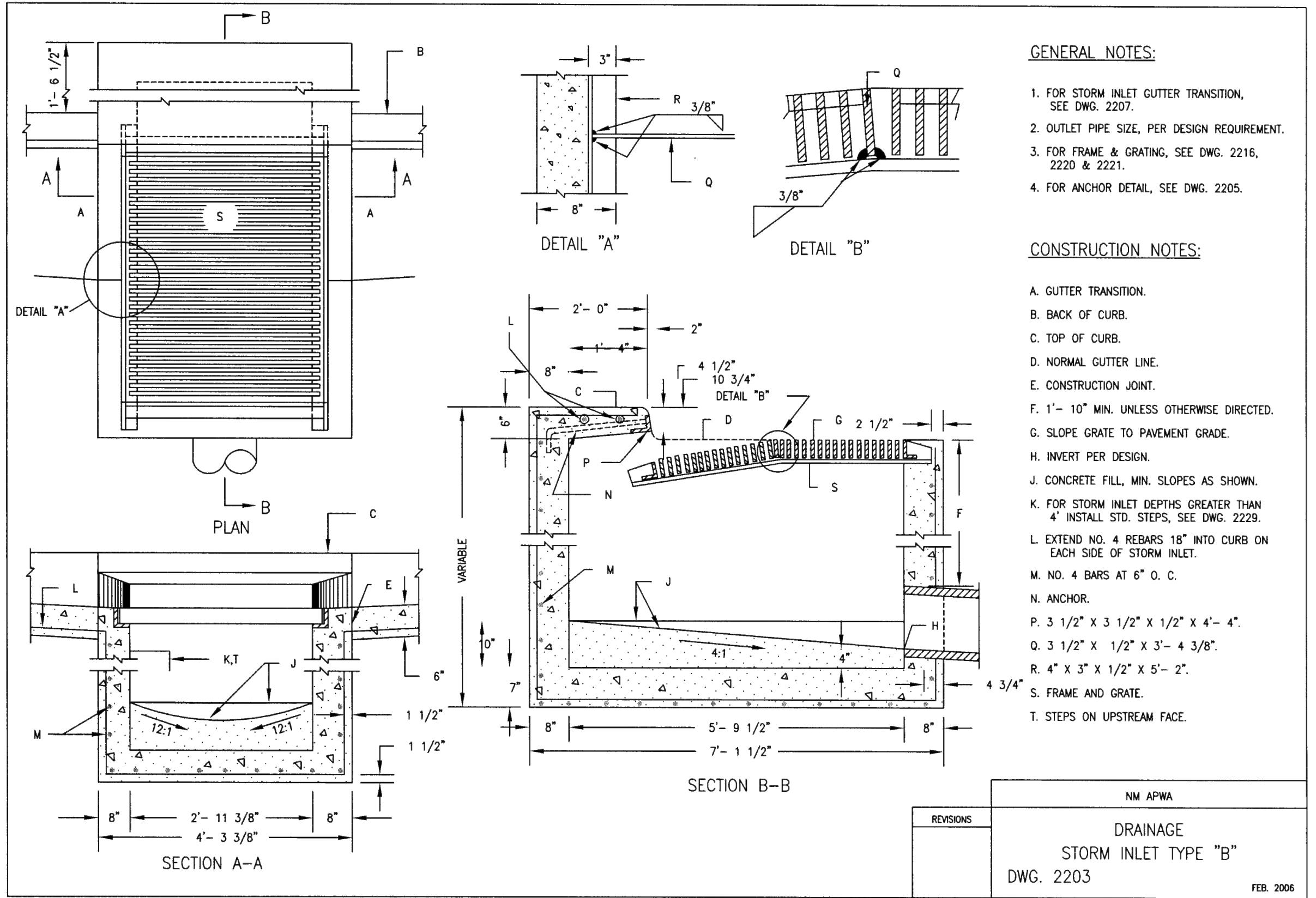
**STORM INLET DOUBLE "A"** Scale: NTS **A**



- GENERAL NOTES:**
- SEE DWG. 2201 FOR PLAN AND SECTION A-A.
  - GENERAL NOTES 2, 3 & 4 ON DWG. 2201 ALSO APPLY TO THIS DRAWING.
  - FOR ANCHOR DETAIL, SEE DWG. 2205.
- CONSTRUCTION NOTES:**
- STORM INLET STEPS, SEE DWG. 2229 FOR SPACING.
  - 1" - 10" MIN. UNLESS OTHERWISE DIRECTED.
  - NO. 4 BARS AT 6" O.C. EACH WAY.
  - CONCRETE FILL, MINIMUM SLOPES SHOWN IN SECTIONS.
  - NORMAL GUTTER.
  - GRATE FRAME.
  - INVERT ELEVATION PER DESIGN.
  - TOP OF CURB.
  - FLOWLINE.
  - ANGLE ANCHOR.

REVISIONS	NM APWA
	DRAINAGE STORM INLET TYPE "A" SECTIONS B-B, C-C, D-D, & E-E DWG. 2202
	FEB. 2006

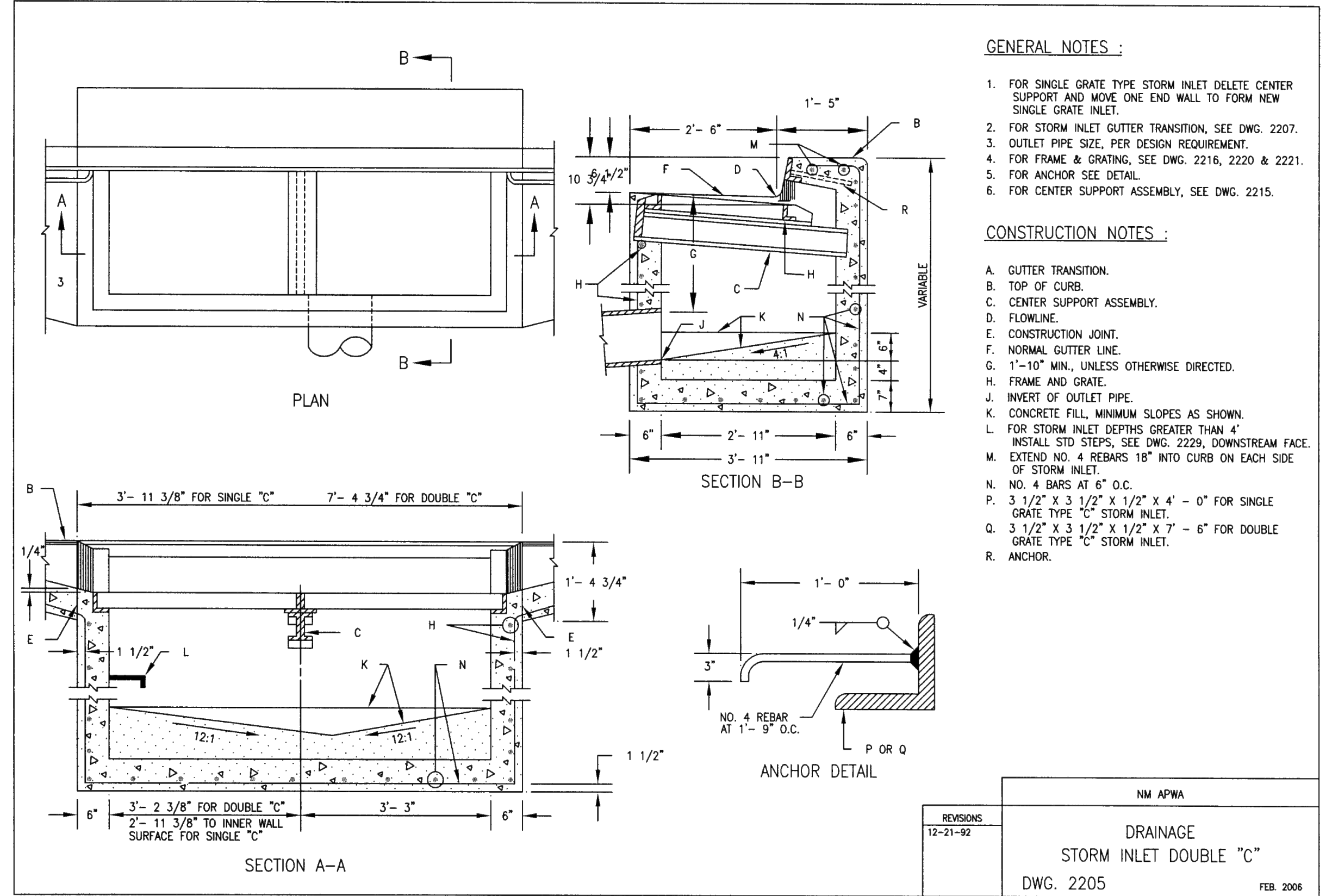
**STORM INLET DOUBLE "A"** Scale: NTS **B**



- GENERAL NOTES:**
- FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
  - OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
  - FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.
  - FOR ANCHOR DETAIL, SEE DWG. 2205.
- CONSTRUCTION NOTES:**
- GUTTER TRANSITION.
  - BACK OF CURB.
  - TOP OF CURB.
  - NORMAL GUTTER LINE.
  - CONSTRUCTION JOINT.
  - 1" - 10" MIN. UNLESS OTHERWISE DIRECTED.
  - SLOPE GRATE TO PAVEMENT GRADE.
  - INVERT PER DESIGN.
  - CONCRETE FILL, MIN. SLOPES AS SHOWN.
  - FOR STORM INLET DEPTHS GREATER THAN 4" INSTALL STD. STEPS, SEE DWG. 2229.
  - EXTEND NO. 4 REBARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
  - NO. 4 BARS AT 6" O.C.
  - ANCHOR.
  - 3 1/2" X 3 1/2" X 1/2" X 4" - 4".
  - 3 1/2" X 1/2" X 3" - 4 3/8".
  - 4" X 3" X 1/2" X 5" - 2".
  - FRAME AND GRATE.
  - STEPS ON UPSTREAM FACE.

REVISIONS	NM APWA
	DRAINAGE STORM INLET TYPE "B" DWG. 2203
	FEB. 2006

**STORM INLET DOUBLE "B"** Scale: NTS **C**



- GENERAL NOTES:**
- FOR SINGLE GRATE TYPE STORM INLET DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
  - FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
  - OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
  - FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.
  - FOR ANCHOR SEE DETAIL.
  - FOR CENTER SUPPORT ASSEMBLY, SEE DWG. 2215.
- CONSTRUCTION NOTES:**
- GUTTER TRANSITION.
  - TOP OF CURB.
  - CENTER SUPPORT ASSEMBLY.
  - FLOWLINE.
  - CONSTRUCTION JOINT.
  - NORMAL GUTTER LINE.
  - 1" - 10" MIN. UNLESS OTHERWISE DIRECTED.
  - FRAME AND GRATE.
  - INVERT OF OUTLET PIPE.
  - CONCRETE FILL, MINIMUM SLOPES AS SHOWN.
  - FOR STORM INLET DEPTHS GREATER THAN 4" INSTALL STD. STEPS, SEE DWG. 2229, DOWNSTREAM FACE.
  - EXTEND NO. 4 REBARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
  - NO. 4 BARS AT 6" O.C.
  - 3 1/2" X 3 1/2" X 1/2" X 4" - 0" FOR SINGLE GRATE TYPE "C" STORM INLET.
  - 3 1/2" X 3 1/2" X 1/2" X 7" - 6" FOR DOUBLE GRATE TYPE "C" STORM INLET.
  - ANCHOR.

REVISIONS	NM APWA
12-21-92	DRAINAGE STORM INLET DOUBLE "C" DWG. 2205
	FEB. 2006

**STORM INLET DOUBLE "C"** Scale: NTS **D**

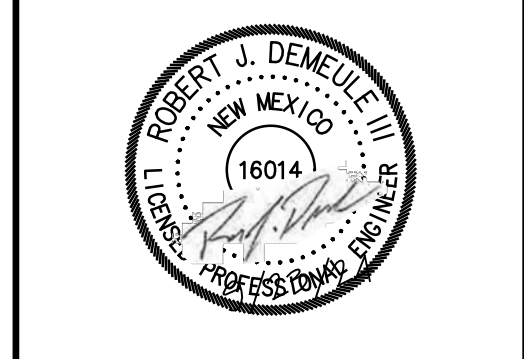
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Huit-Zoliars, Inc.  
Río Rancho  
333 Río Rancho Drive NE, Suite 101  
Río Rancho, New Mexico 87124  
Phone (505) 892-5141 Fax (505) 892-3299

DESIGNED FOR: **SANDOVAL COUNTY**

**STORM DRAIN DETAILS**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



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CHECKED BY: RJD  
DATE: SEPTEMBER 2024  
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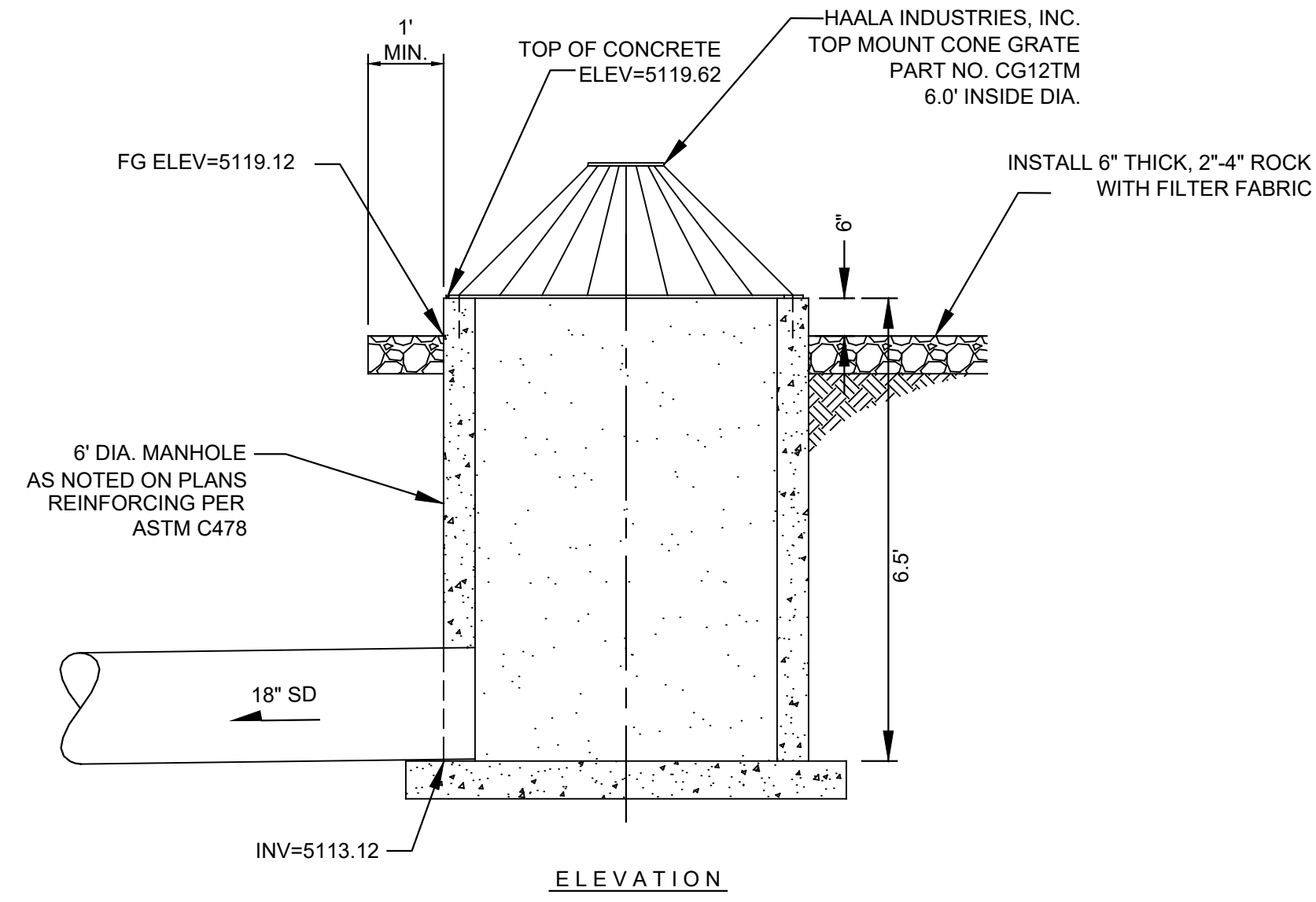
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Last Saved: 9/27/2024 9:33:12 AM mtrskkts

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**A** BEEHIVE INLET 01 DETAIL  
N.T.S.



NO.	DESCRIPTION	DATE	BY
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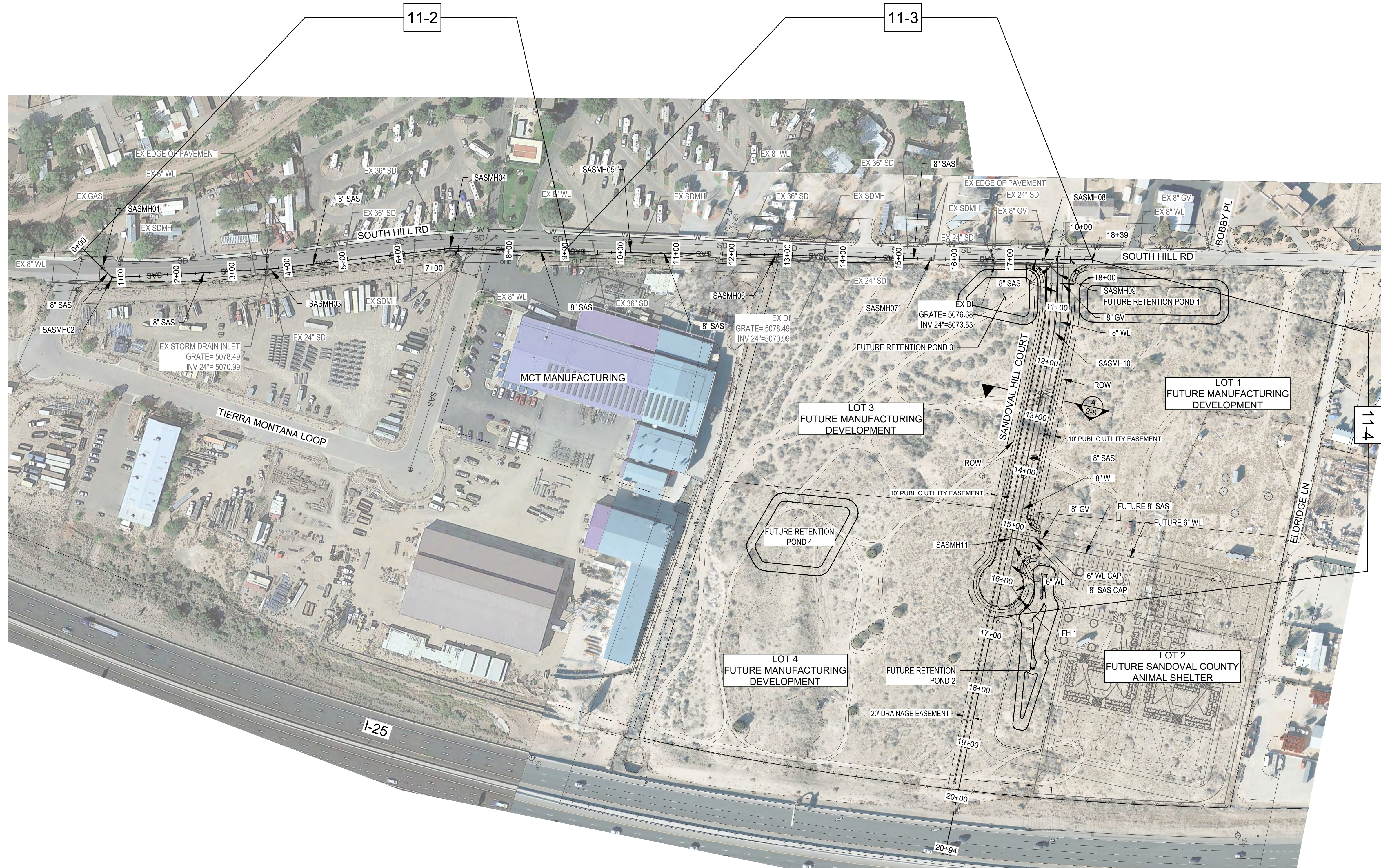
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 Last Saved: 9/23/2024 9:33:12 AM mtr@skott





**NOTE**

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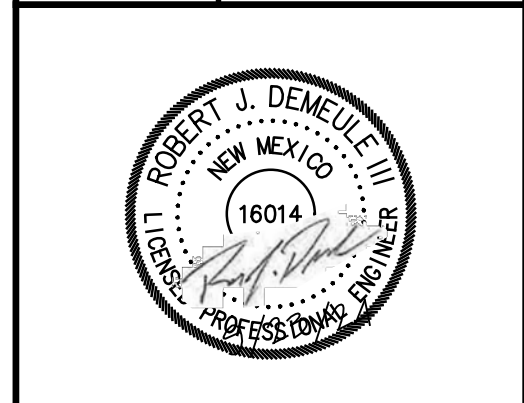
NO.	DESCRIPTION	DATE	BY
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DESIGNED BY:  
**HUIT-ZOLIARS**  
 Huit-Zoliars, Inc.  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3259

DESIGNED FOR:  
**SANDOVAL COUNTY**

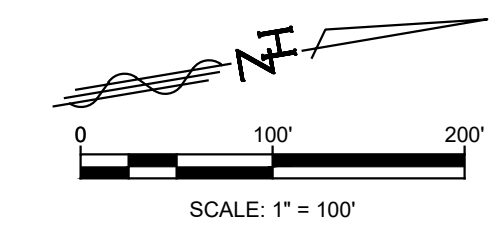
**OVERALL UTILITY PLAN**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
 SHEET:

**OVERALL UTILITY PLAN**

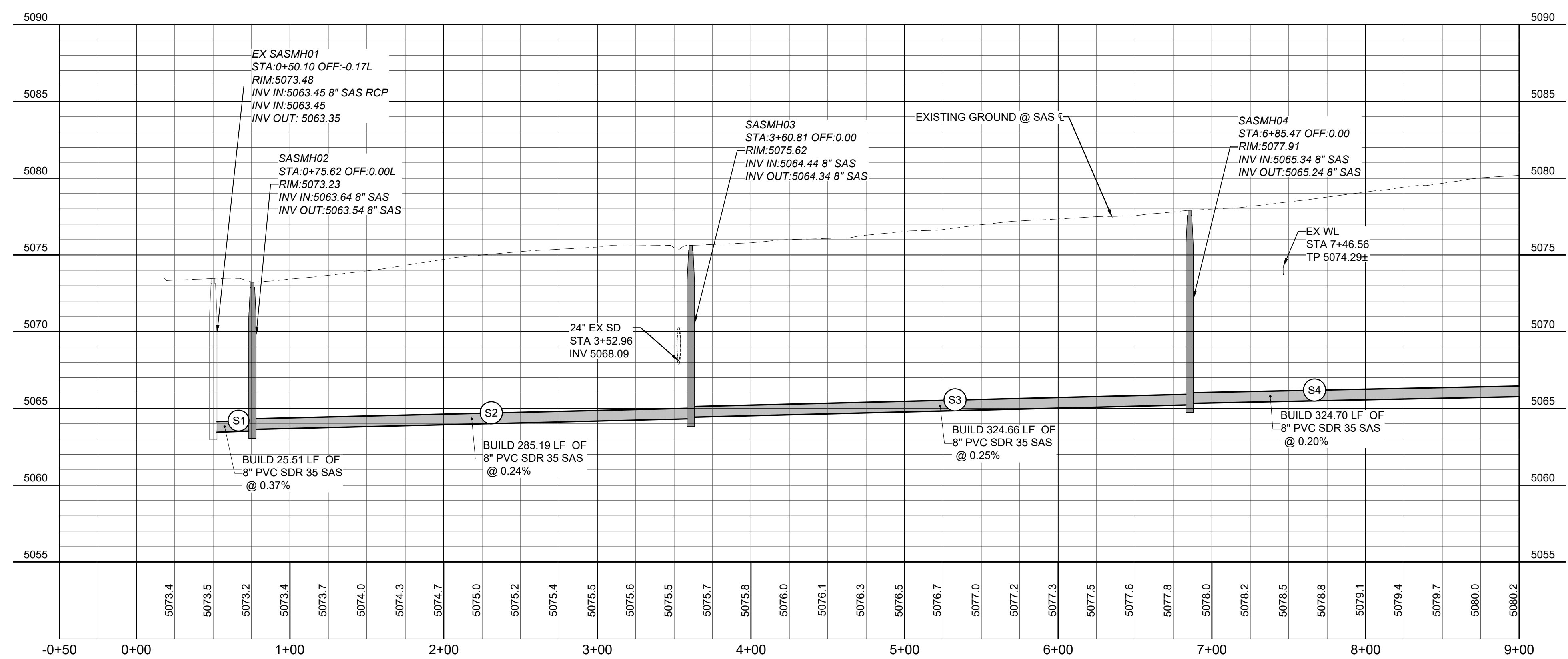


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 Last Saved: 9/23/2024 9:03:50 AM. dhuerta





UTILITIES - PLAN



UTILITIES - PROFILE

KEYED NOTES

- 1 PROPOSED 8" SAS GRAVITY MAIN (SDR 35)
- 2 PROPOSED 12" SAS GRAVITY MAIN (SDR 35)
- 3 BUILD 6" DIA SAS MANHOLE WITH DROP MANHOLE CONNECTION PER TOB STD DWG 109-4 SEE DETAIL A SHEET 11-5
- 4 BUILD 4" DIA SAS MANHOLE PER TOB STD DWG 109-5 SEE DETAIL C SHEET 11-5
- 5 BUILD 6" DIA SAS MANHOLE PER TOB STD DWG 109-4 SEE DETAIL C SHEET 11-5
- 6 CONNECT NEW SAS LINE TO EXISTING MANHOLE WITH DROP MANHOLE CONNECTION PER TOB STD DWG 109-7 SEE DETAIL B SHEET 11-5
- 7 ADJUST EXISTING SAS MANHOLE TO GRADE. REPLACE CONCRETE COVER, METAL RING & COVER, AND PROVIDE 30" DIAMETER OPENING PER TOB STD DWG 109-8 SEE DETAIL D SHEET 11-6
- 8 NEW 6" SEWER SERVICE LATERAL PER TOB STD DWG 109-6 SEE DETAIL E SEE SHEET 11-5 CONNECT TO NEW SAS MAIN LINE
- 9 PROPOSED 6" WATER LINE (C-900 DR - 18 PVC)
- 10 GATE VALVES SHALL BE FULLY RESTRAINED PER TOB STD DWG 110-4 DETAIL C SHEET 11-6
- 11 FIRE HYDRANT ASSEMBLIES SHALL BE FULLY RESTRAINED PER TOB STD DWG 110-2 SEE DETAIL D SHEET 11-6
- 12 PROPOSED 8" WATER LINE (C-900 DR - 18 PVC)
- 13 FUTURE 6" WATER LINE (C-900 DR - 18 PVC)
- 14 FUTURE 8" SAS GRAVITY MAIN (SDR 35)
- 15 INSTALL 2" WATER SERVICE WITH METER SEE TOB STD DWG 110-3 SEE DETAIL E SHEET 11-6

SEWER LINE DATA				
PIPE	PIPE DIA	BEARING	LENGTH	SLOPE
S1	8"	S53° 05' 29"W	25.51'	0.37%
S2	8"	S05° 03' 59"W	285.19'	0.24%
S3	8"	S01° 39' 25"W	324.66'	0.25%
S4	8"	S09° 38' 32"W	324.70'	0.20%

UTILITY CROSSINGS					
DES	8" SAS	EX WL ±	SD	EX SD	CLEARANCE (FT)
A (TP)	5065.01			5070.34	2.83
A (BP)	5064.30			5067.84	
B (TP)	5066.15	5074.29			7.56
B (BP)	5065.44	5073.71			

NOTE

IMPROVEMENTS INCLUDING GRADING, UTILITIES, PAVING, ETC. ON LOT 2 TO BE CONSTRUCTED UNDER SEPARATE PERMIT BY OTHERS.



NO.	DESCRIPTION	DATE	BY
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 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3259

DESIGNED FOR: **SANDOVAL COUNTY**

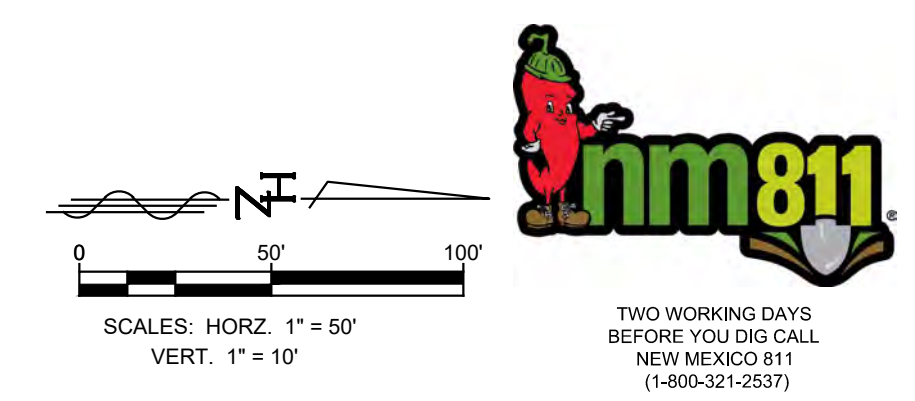
UTILITIES PLAN & PROFILE

SANDOVAL COUNTY  
 ANIMAL SHELTER  
 SUBDIVISION

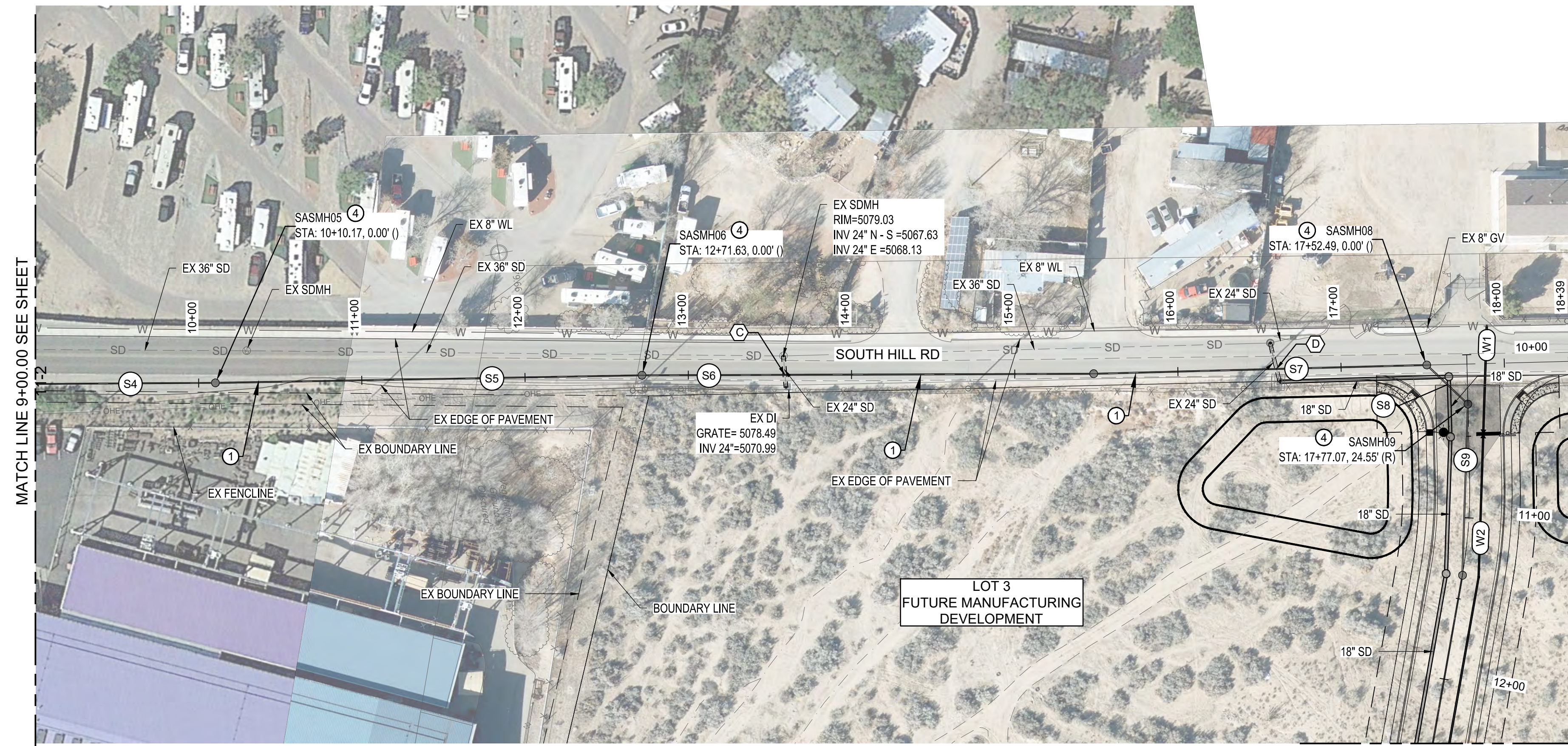


PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:

Plotfile: 9/23/2024 9:38:34 AM. By: Huerta, Dominic  
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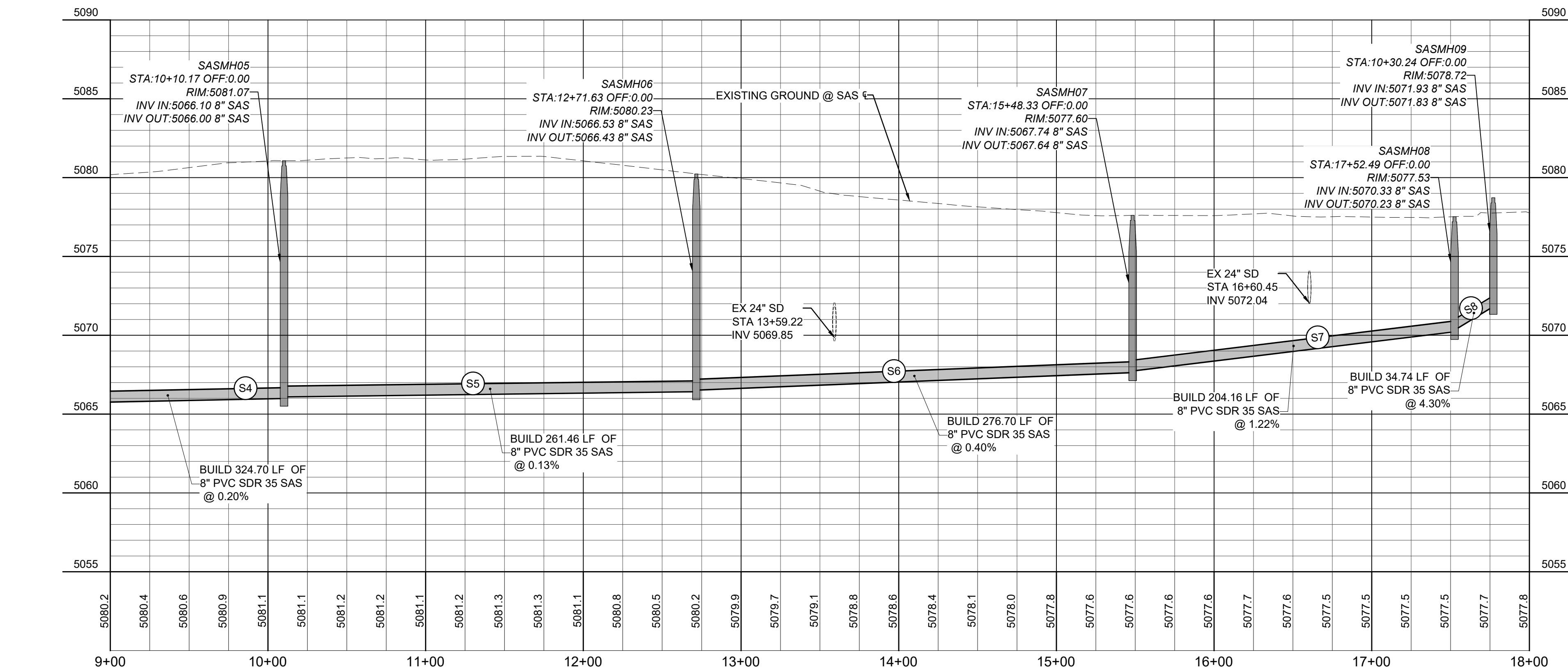






UTILITIES - PLAN

SANDOVAL HILL COURT  
MATCH LINE SEE SHEET 11-4



UTILITIES - PROFILE

KEYED NOTES

- 1 PROPOSED 8" SAS GRAVITY MAIN (SDR 35)
- 2 PROPOSED 12" SAS GRAVITY MAIN (SDR 35)
- 3 BUILD 6" DIA SAS MANHOLE WITH DROP MANHOLE CONNECTION PER TOB STD DWG 109-4 SEE DETAIL A SHEET 11-5
- 4 BUILD 4" DIA SAS MANHOLE PER TOB STD DWG 109-5 SEE DETAIL C SHEET 11-5
- 5 BUILD 6" DIA SAS MANHOLE PER TOB STD DWG 109-4 SEE DETAIL C SHEET 11-5
- 6 CONNECT NEW SAS LINE TO EXISTING MANHOLE WITH DROP MANHOLE CONNECTION PER TOB STD DWG 109-7 SEE DETAIL B SHEET 11-5
- 7 ADJUST EXISTING SAS MANHOLE TO GRADE. REPLACE CONCRETE COVER, METAL RING & COVER, AND PROVIDE 30" DIAMETER OPENING PER TOB STD DWG 109-8 SEE DETAIL D SHEET 11-6
- 8 NEW 6" SEWER SERVICE LATERAL PER TOB STD DWG 109-6 SEE DETAIL E SEE SHEET 11-5 CONNECT TO NEW SAS MAIN LINE
- 9 PROPOSED 6" WATER LINE (C-900 DR - 18 PVC)
- 10 GATE VALVES SHALL BE FULLY RESTRAINED PER TOB STD DWG 110-4 DETAIL C SHEET 11-6
- 11 FIRE HYDRANT ASSEMBLIES SHALL BE FULLY RESTRAINED PER TOB STD DWG 110-2 SEE DETAIL D SHEET 11-6
- 12 PROPOSED 8" WATER LINE (C-900 DR - 18 PVC)
- 13 FUTURE 6" WATER LINE (C-900 DR - 18 PVC)
- 14 FUTURE 8" SAS GRAVITY MAIN (SDR 35)
- 15 INSTALL 2" WATER SERVICE WITH METER SEE TOB STD DWG 110-3 SEE DETAIL E SHEET 11-6

SEWER LINE DATA				
PIPE	PIPE DIA	BEARING	LENGTH	SLOPE
S4	8"	S09° 38' 32"W	324.70'	0.20%
S5	8"	S08° 59' 09"W	261.46'	0.13%
S6	8"	S09° 48' 41"W	276.70'	0.40%
S7	8"	S08° 29' 11"W	204.16'	1.22%

UTILITY CROSSINGS					
DES	8" SAS	EX WL ±	SD	EX SD	CLEARANCE (FT)
C (TP)	5071.95			5072.10	2.35
C (BP)	5071.23			5069.60	
D (TP)	5069.85			5074.12	2.12
D (BP)	5069.14			5071.97	

NOTE

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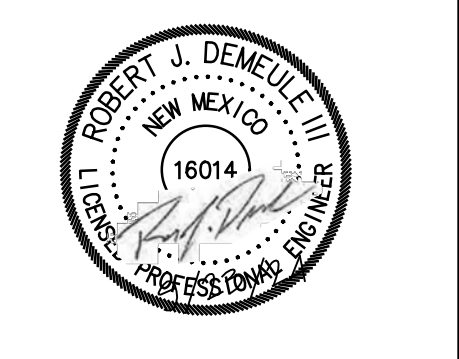


REVISIONS (OR CHANGE NOTICES)	
NO.	DESCRIPTION
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DESIGNED BY:  
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Huit-Zoliars, Inc.  
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Rio Rancho, New Mexico 87124  
Phone (505) 892-5141 Fax (505) 892-3259

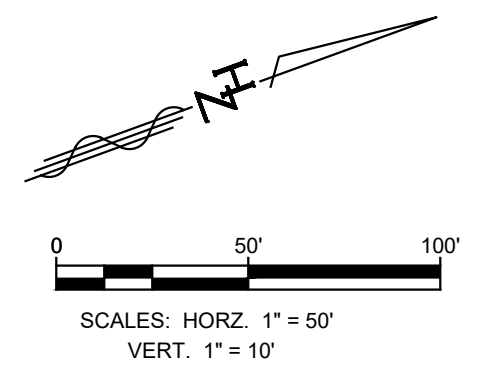
DESIGNED FOR:  
**SANDOVAL COUNTY**

UTILITIES PLAN & PROFILE  
SANDOVAL COUNTY  
ANIMAL SHELTER  
SUBDIVISION

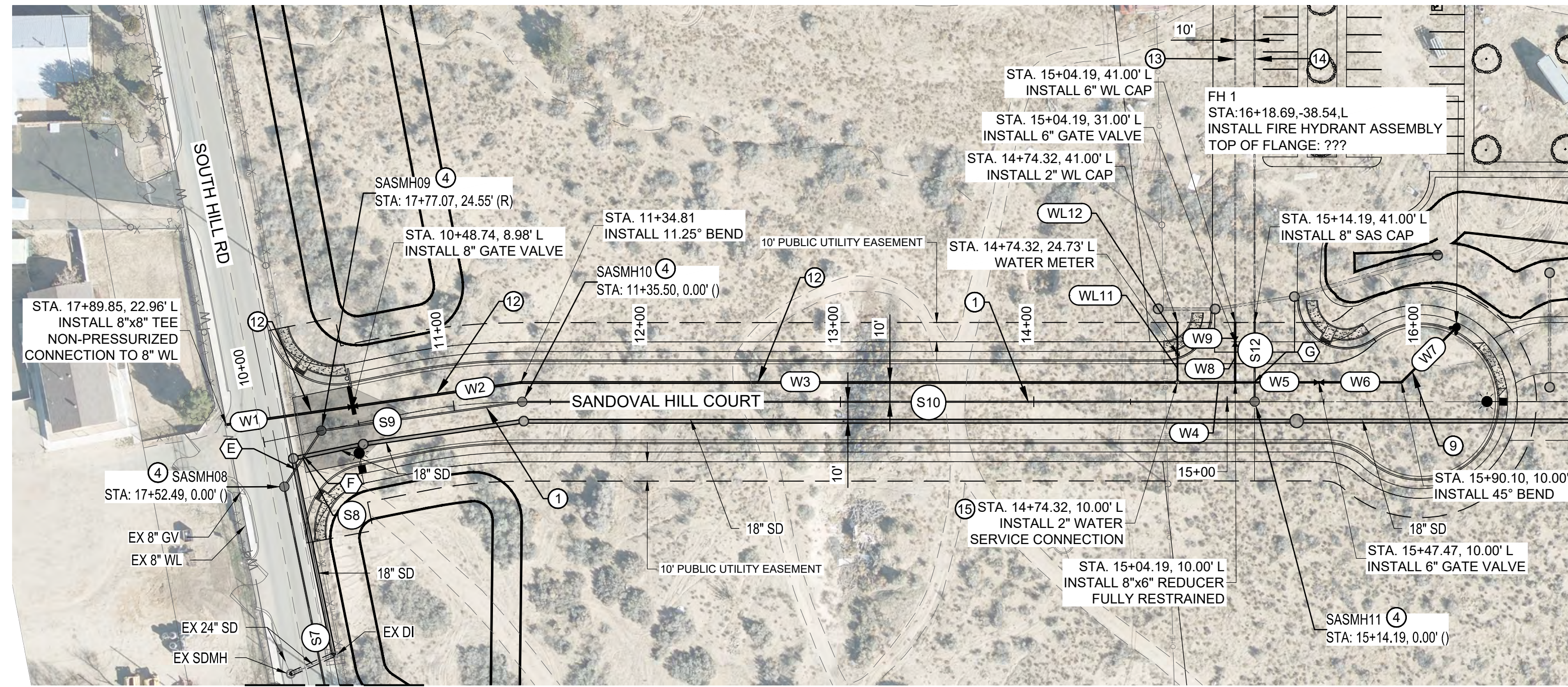


PROJECT NO. R314624.14  
DESIGNED BY: JL / MTR  
DRAWN BY: JL / MTR  
CHECKED BY: RJD  
DATE: SEPTEMBER 2024  
DPW CHK:

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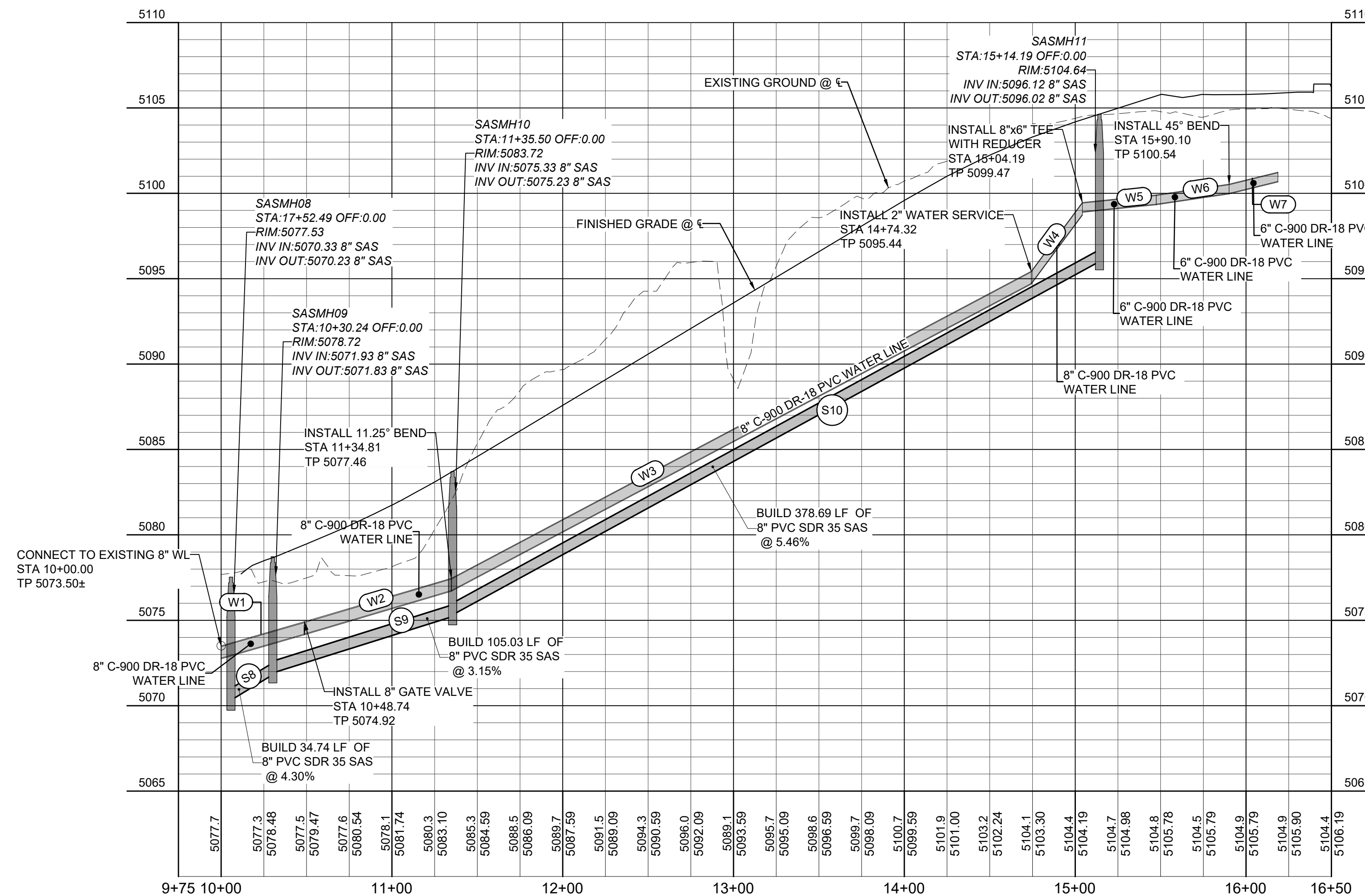






MATCH LINE  
SEE SHEET 11-3

UTILITIES - PLAN



UTILITIES - PROFILE

KEYED NOTES

- PROPOSED 8" SAS GRAVITY MAIN (SDR 35)
- PROPOSED 12" SAS GRAVITY MAIN (SDR 35)
- BUILD 6" DIA SAS MANHOLE WITH DROP MANHOLE CONNECTION PER TOB STD DWG 109-4 SEE DETAIL A SHEET 11-5
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- PROPOSED 6" WATER LINE (C-900 DR - 18 PVC)
- GATE VALVES SHALL BE FULLY RESTRAINED PER TOB STD DWG 110-4 DETAIL C SHEET 11-6
- FIRE HYDRANT ASSEMBLIES SHALL BE FULLY RESTRAINED PER TOB STD DWG 110-2 SEE DETAIL D SHEET 11-6
- PROPOSED 8" WATER LINE (C-900 DR - 18 PVC)
- FUTURE 6" WATER LINE (C-900 DR - 18 PVC)
- FUTURE 8" SAS GRAVITY MAIN (SDR 35)
- INSTALL 2" WATER SERVICE WITH METER SEE TOB STD DWG 110-3 SEE DETAIL E SHEET 11-6

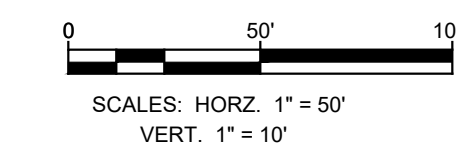
SEWER LINE DATA				
PIPE	PIPE DIA	BEARING	LENGTH	SLOPE
S7	8"	S08° 29' 11"W	204.16'	1.22%
S8	8"	S53° 29' 11"W	34.74'	4.30%
S9	8"	N78° 08' 57"W	105.03'	3.15%
S10	8"	N70° 00' 42"W	378.69'	5.46%
S12	8"	S19° 59' 18"W	41.00'	1.35%

WATER LINE DATA			
PIPE	PIPE DIA	BEARING	LENGTH
W1	8"	S78° 08' 57"E	66.15'
W2	8"	S78° 08' 57"E	87.77'
W3	8"	S70° 00' 42"E	339.54'
W4	8"	S70° 00' 42"E	29.87'
W5	6"	S70° 00' 42"E	43.29'
W6	6"	S70° 00' 42"E	42.63'
W7	6"	N65° 02' 08"E	40.39'
W8	6"	N19° 59' 18"E	21.00'
W9	6"	N19° 59' 18"E	10.00'
WL11	2"	N19° 59' 18"E	14.73'
WL12	2"	N19° 59' 18"E	16.27'

UTILITY CROSSINGS					
DES	8" SAS	6" WL	SD	6" SAS	CLEARANCE (FT)
E (TP)	5071.57		5075.76		2.28
E (BP)	5070.86		5073.85		
F (TP)	5071.95		5075.90		2.04
F (BP)	5071.23		5073.99		
G (TP)		5099.57		5096.95	2.04
G (BP)		5098.99		5096.23	

NOTE

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TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)



NO.	DESCRIPTION	DATE	BY
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DESIGNED BY:  
**HUIT-ZOLIARS**  
Huit-Zoliars, Inc.  
Río Rancho  
333 Rio Rancho Drive NE, Suite 101  
Rio Rancho, New Mexico 87124  
Phone (505) 892-5141 Fax (505) 892-3259

UTILITIES PLAN & PROFILE

SANDOVAL COUNTY  
ANIMAL SHELTER  
SUBDIVISION



PROJECT NO. R314624.14

DESIGNED BY: JL / MTR

DRAWN BY: JL / MTR

CHECKED BY: RJD

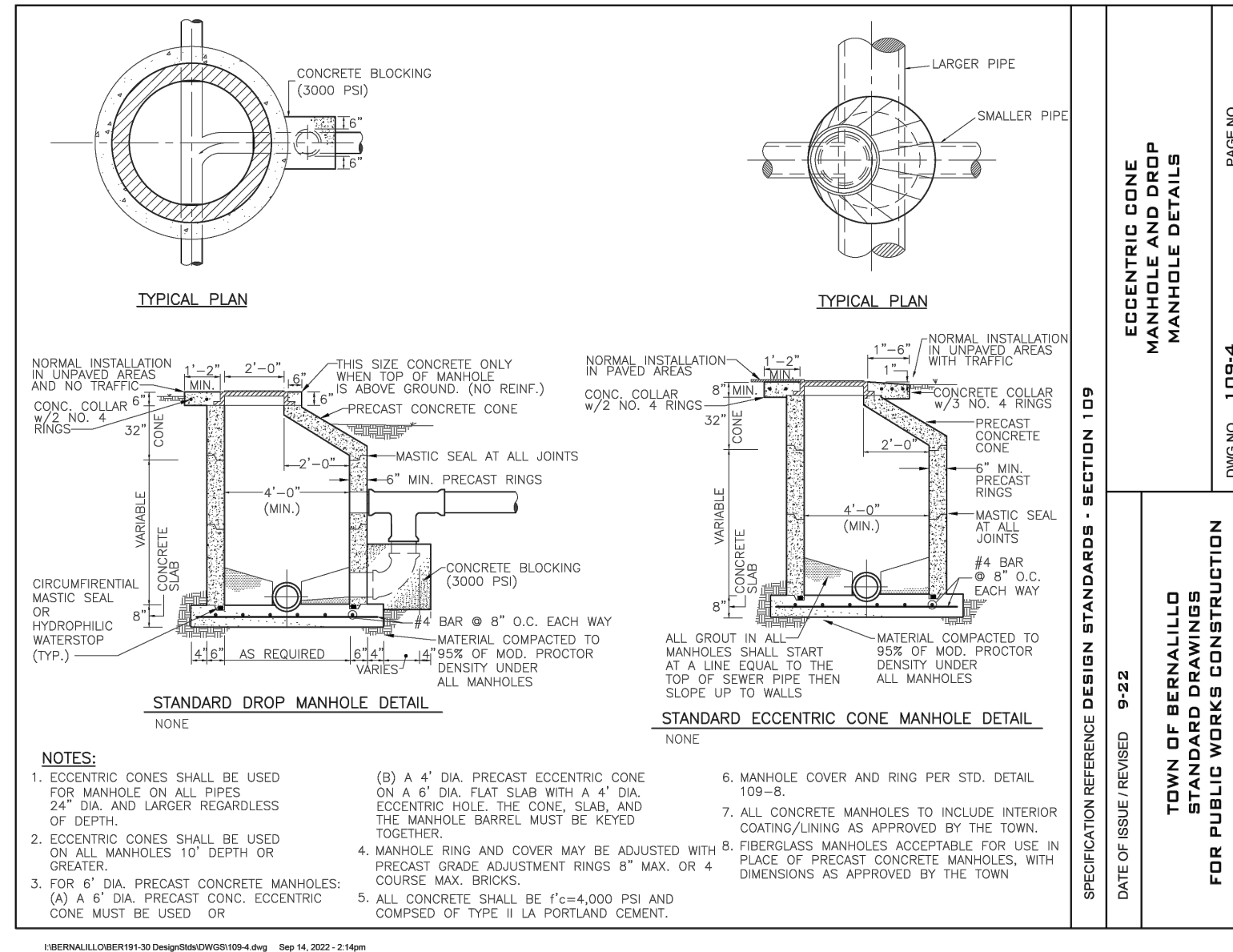
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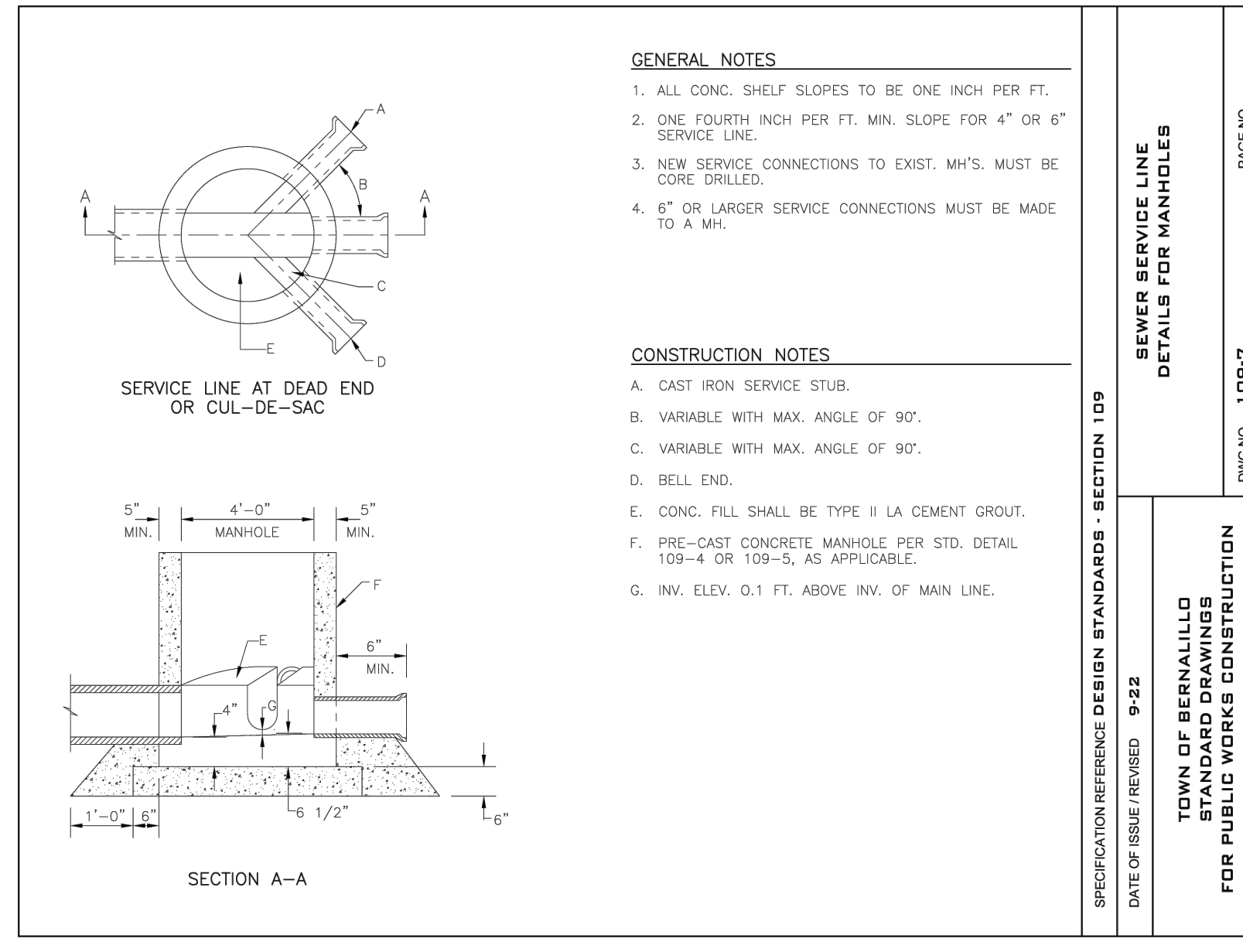
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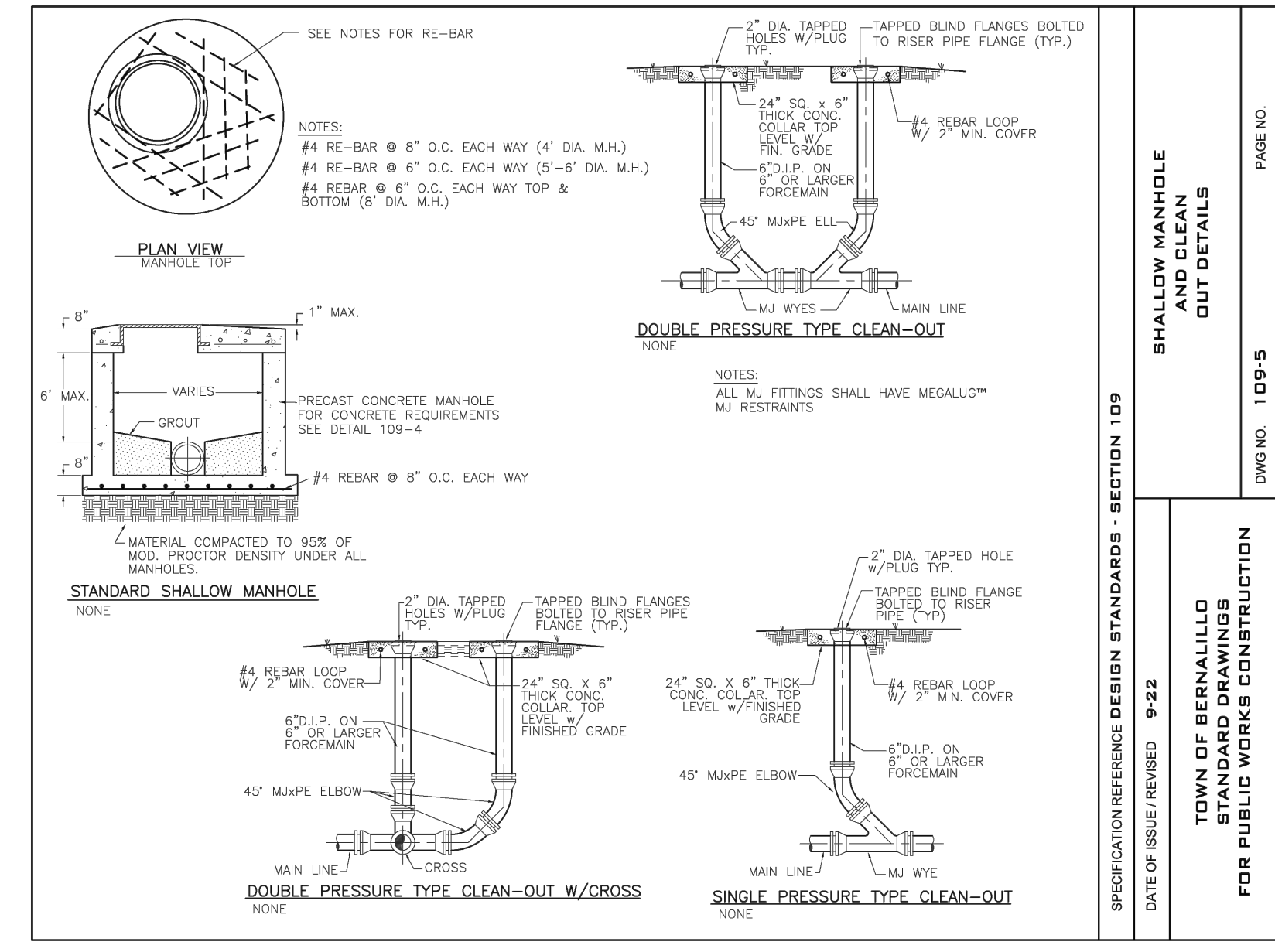
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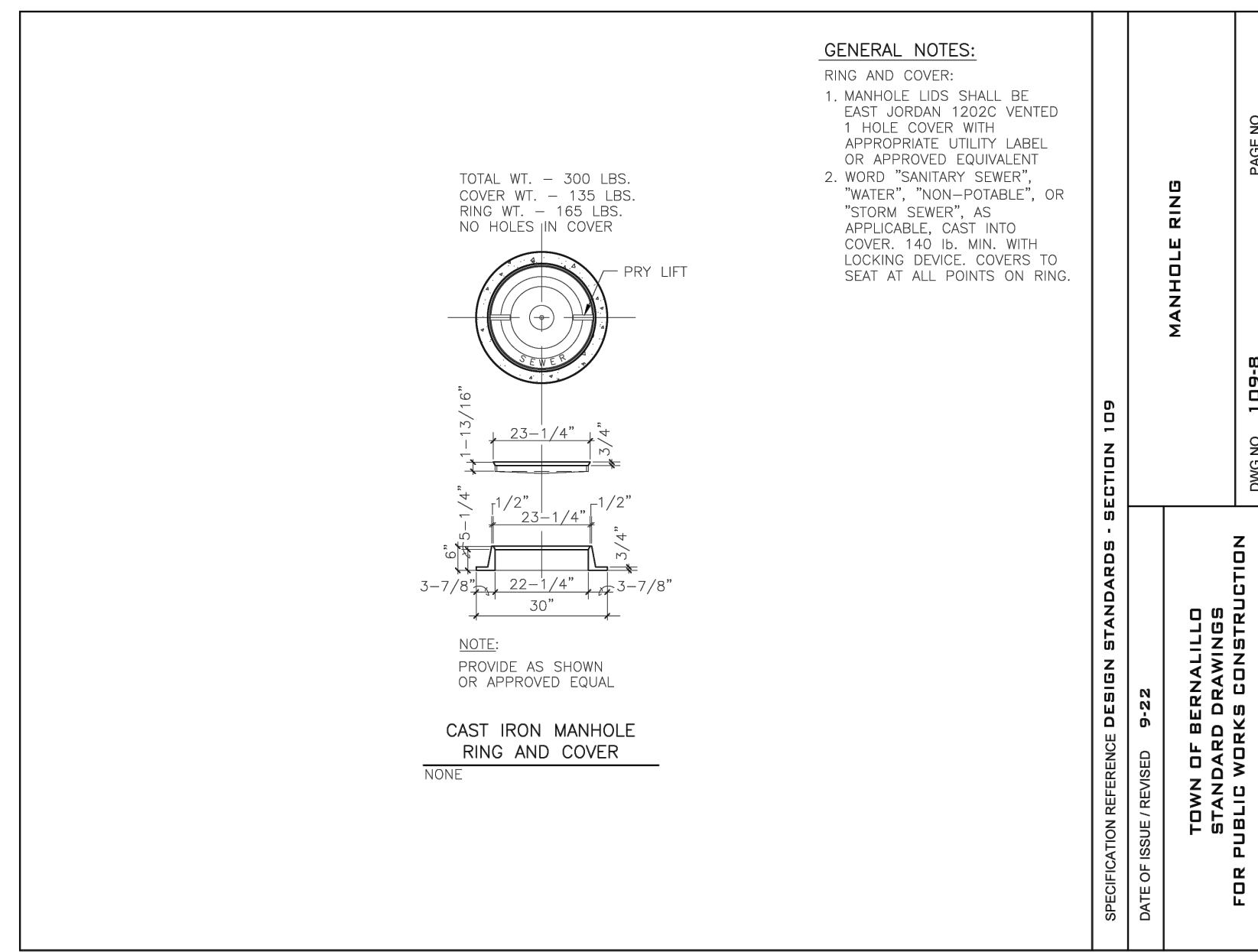
**MANHOLE AND DROP MANHOLE DETAILS**  
 Scale: NTS **A**



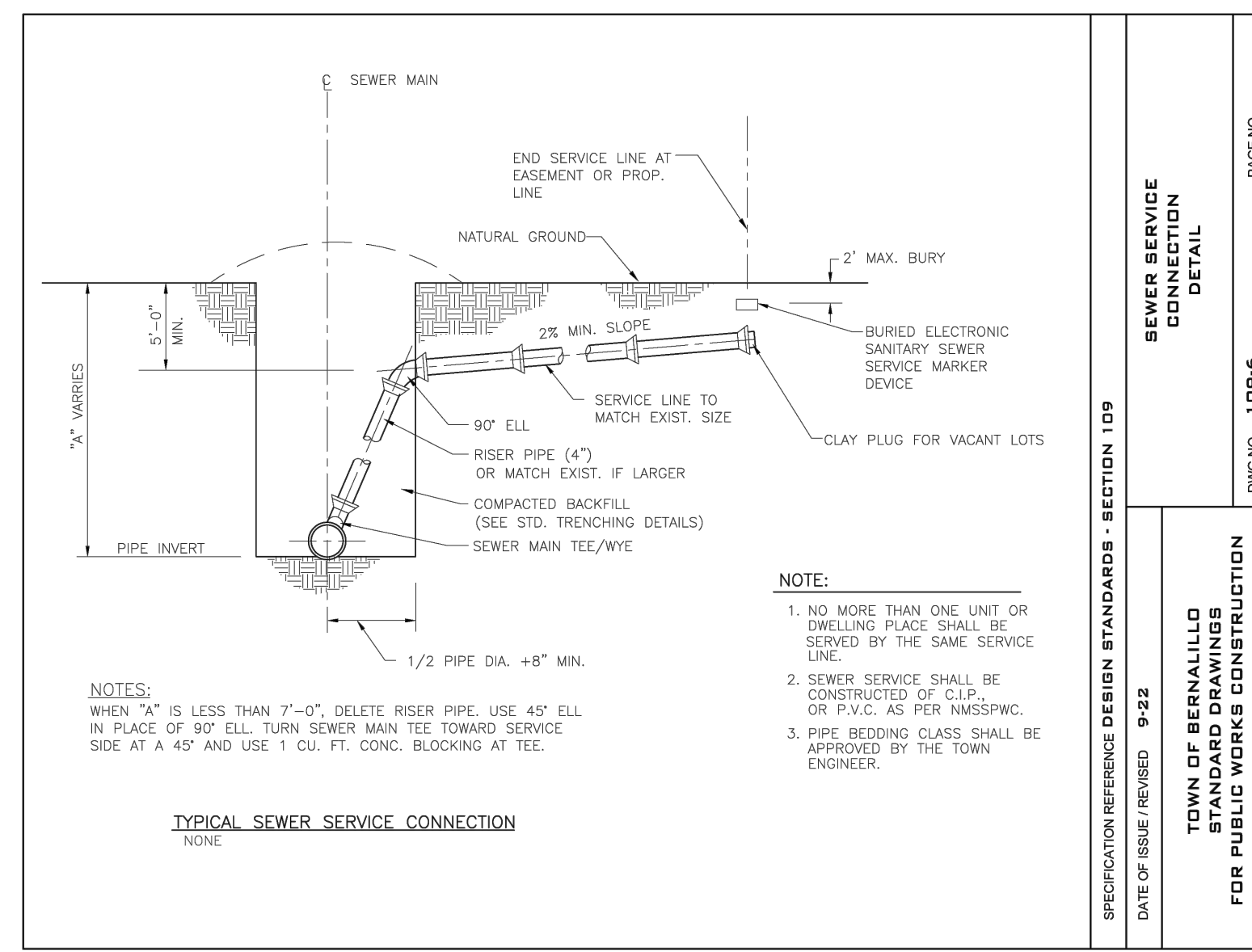
**SEWER SERVICE LINE DETAILS FOR MH**  
 Scale: NTS **B**



**SHALLOW MH AND CLEAN OUT DETAILS**  
 Scale: NTS **C**



**MANHOLE RING**  
 Scale: NTS **D**



**SEWER SERVICE CONNECTION DETAIL**  
 Scale: NTS **E**

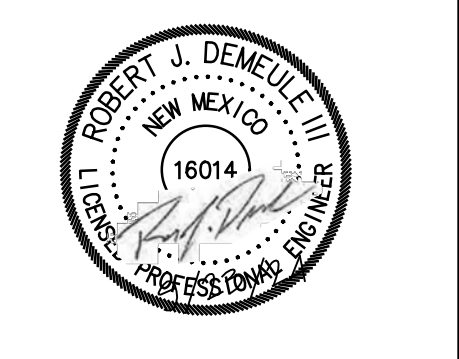


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DESIGNED BY:  
**HUIT-ZOLIARS**  
 Huit-Zoliars, Inc.  
 Rio Rancho  
 333 Rio Rancho Drive NE, Suite 101  
 Rio Rancho, New Mexico 87124  
 Phone (505) 892-5141 Fax (505) 892-3259

DESIGNED FOR:  
**SANDOVAL COUNTY**

**SANITARY SEWER DETAILS**  
**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**

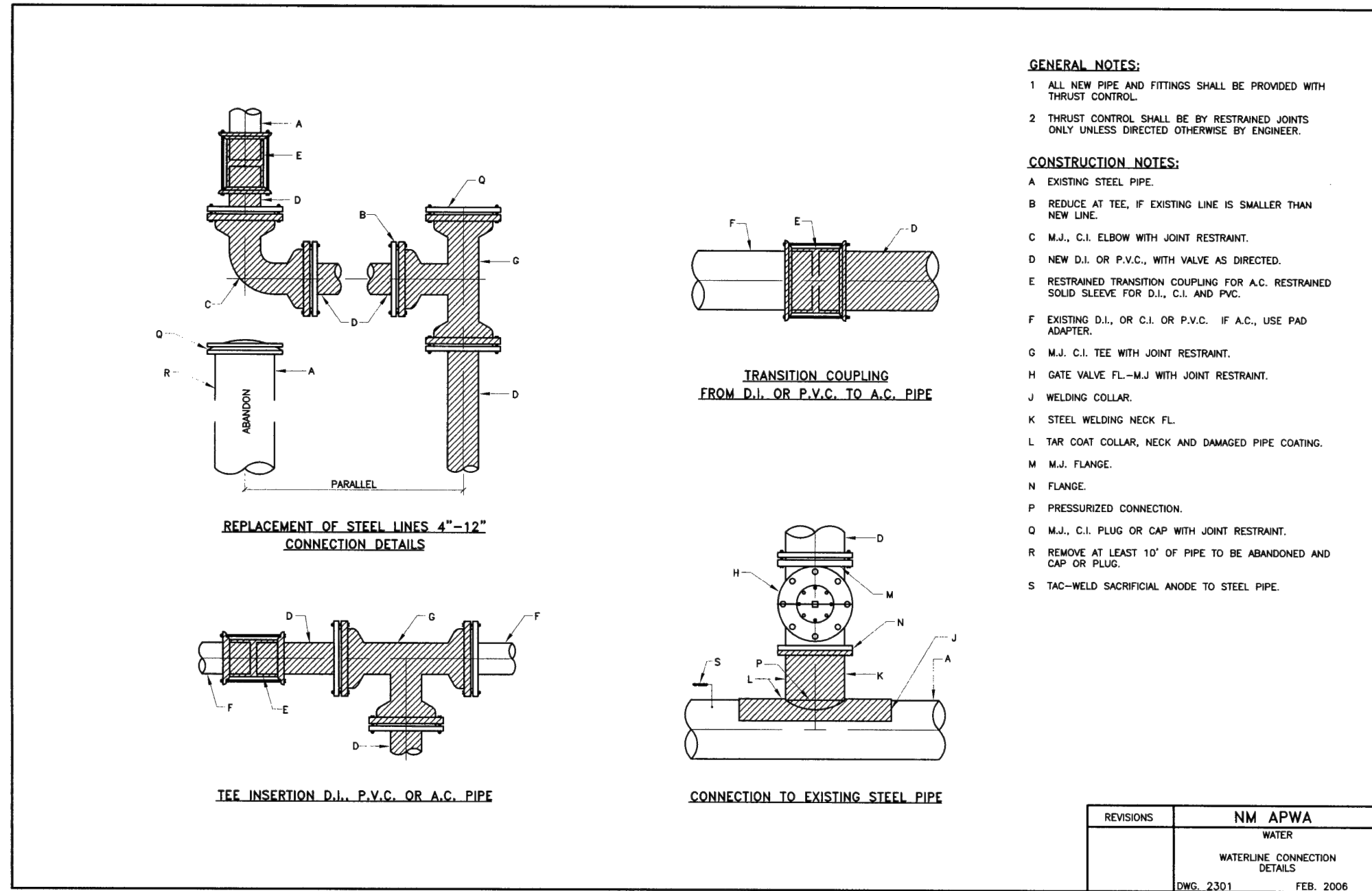


PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJJ  
 DATE: SEPTEMBER 2024  
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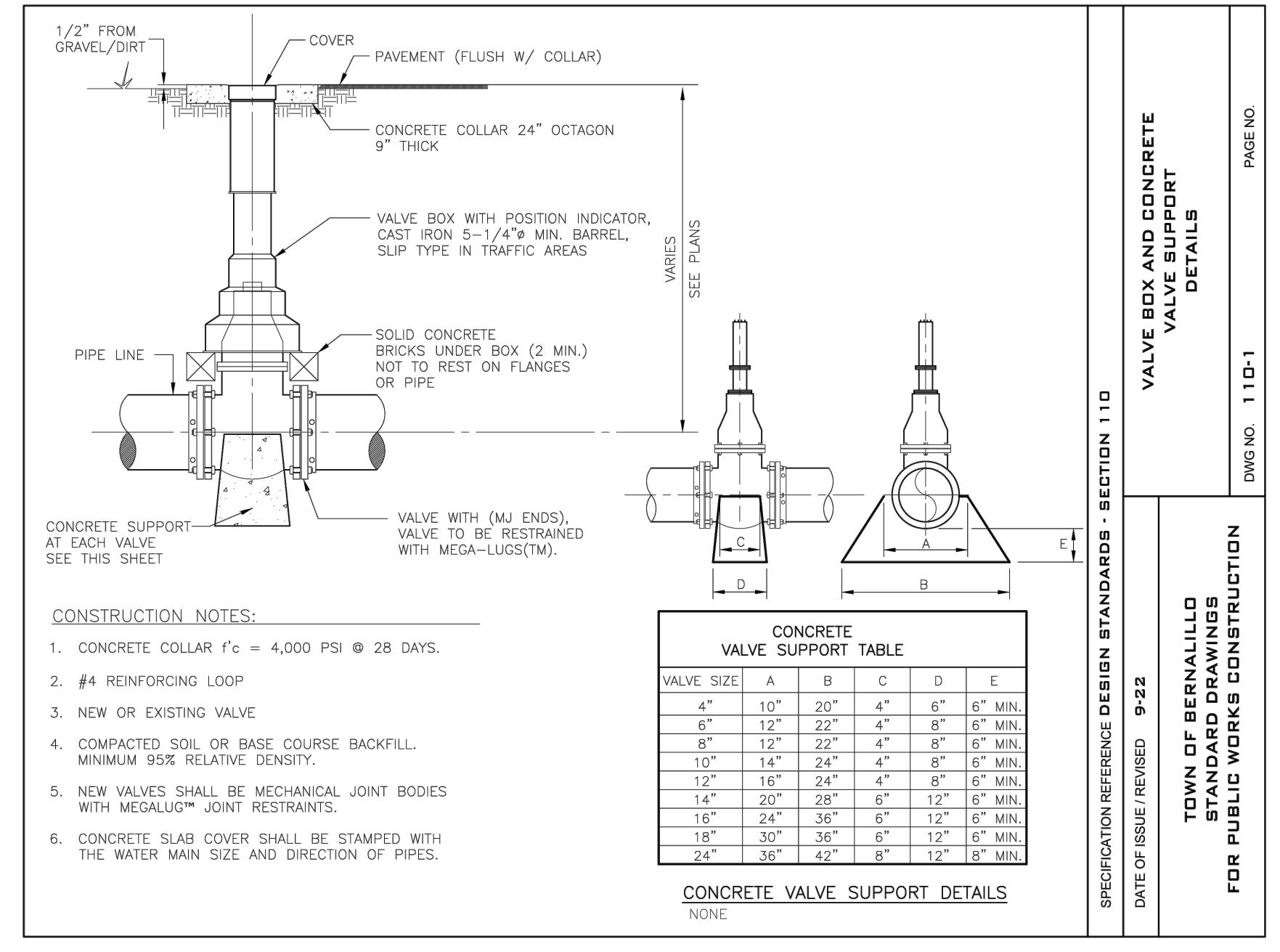
TWO WORKING DAYS BEFORE YOU DIG CALL NEW MEXICO 811 (1-800-321-2537)





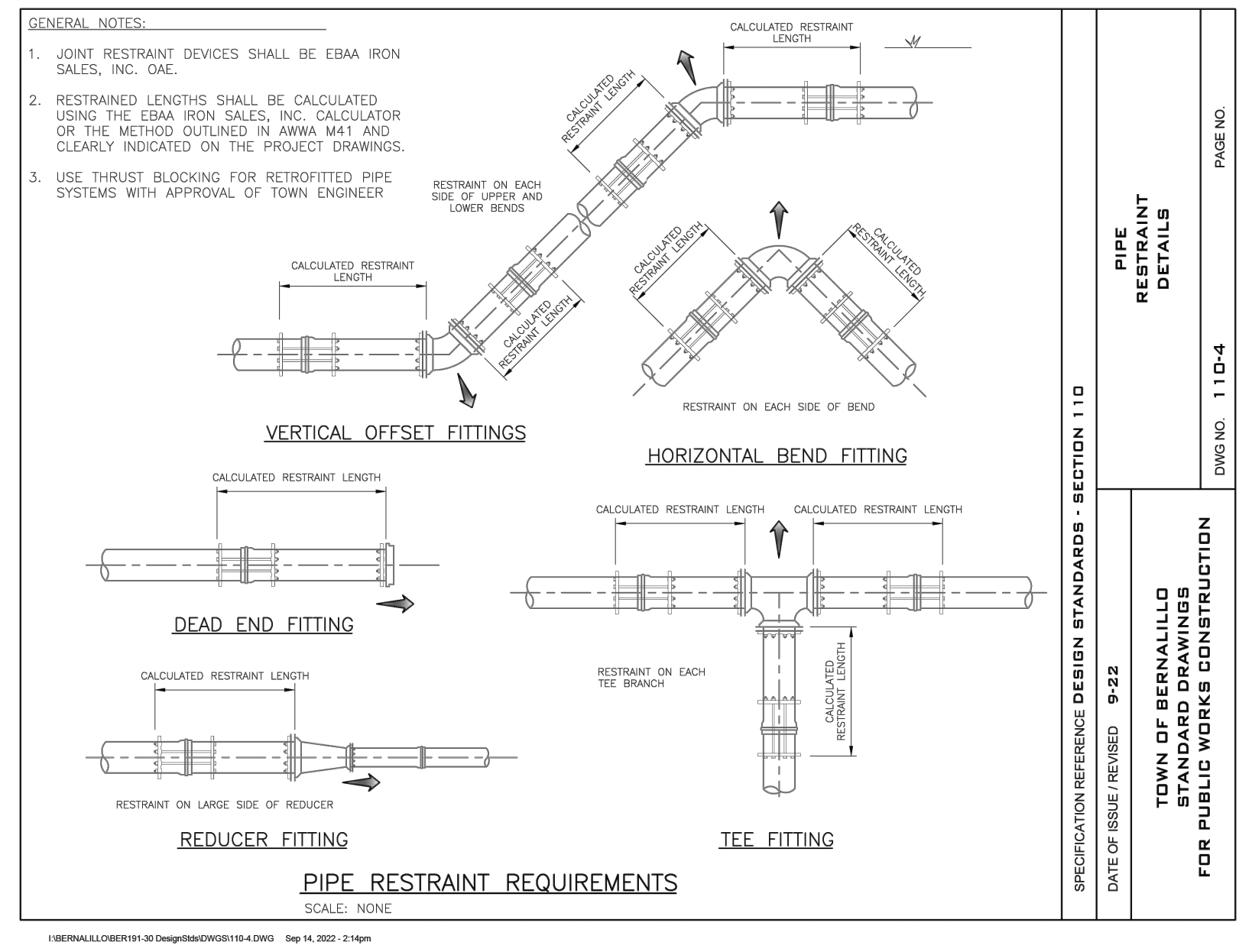
**WATERLINE CONNECTION DETAILS**

Scale: NTS **A**



**VALVE BOX / VALVE SUPPORT DETAILS**

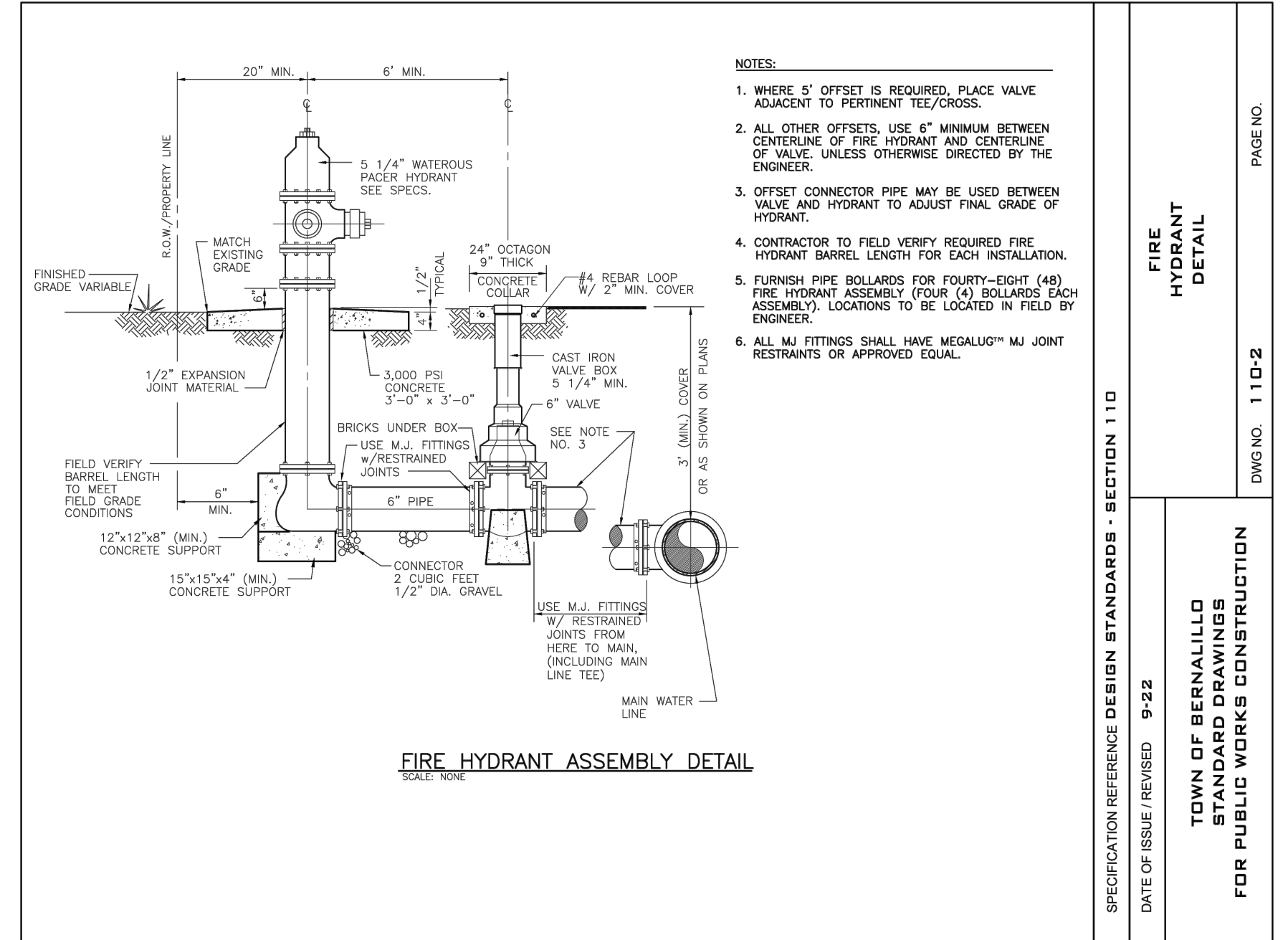
Scale: NTS **B**



RESTRAINT LENGTH (IN FEET)						
PIPE DIAMETER	PIPE MATERIAL	DEAD END	90° BEND	45° BEND	22.5° BEND	11.25° BEND
6"	PVC	75'	23'	10'	5'	3'
8"	PVC	98'	29'	12'	6'	3'
10"	PVC	118'	35'	15'	7'	4'
12"	PVC	139'	41'	17'	9'	4'
16"	PVC	180'	52'	22'	11'	6'

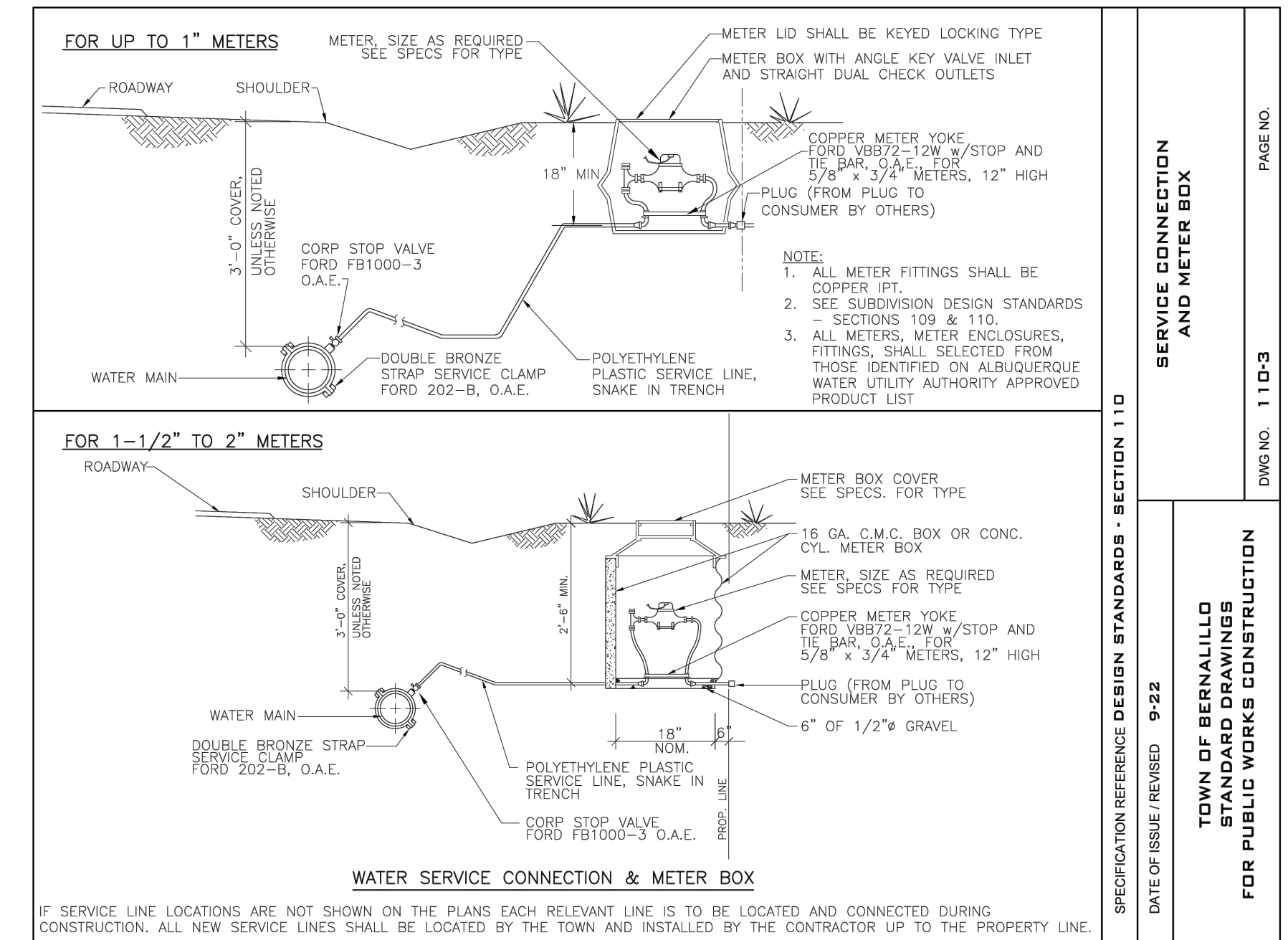
**JOINT RESTRAINT TABLE**

NTS **C**



**FIRE HYDRANT DETAIL**

NTS **D**



**SERVICE CONNECTION AND METER BOX**

**E**



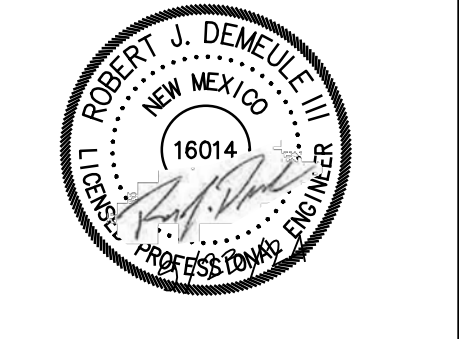
NO.	DESCRIPTION	DATE	BY
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DESIGNED BY: **HUIT-ZOLIARS**  
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DESIGNED FOR: **SANDOVAL COUNTY**

**WATER LINE DETAILS**

**SANDOVAL COUNTY ANIMAL SHELTER SUBDIVISION**



PROJECT NO. R314624.14  
 DESIGNED BY: JL / MTR  
 DRAWN BY: JL / MTR  
 CHECKED BY: RJD  
 DATE: SEPTEMBER 2024  
 DPW CHK:  
 SHEET:



Plotfile: 9/23/2024 9:40:58 AM By:Huerta, Dominic  
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