

NOTE:

- ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
- THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
- ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
- RESTRAINED LENGTH IS ON LARGE SIDE ON ALL REDUCERS.
- RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.

NOTE:

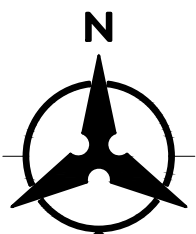
ALSO SEE SHEET 16A FOR PHASING

RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS			
	6"	8"	10"	12"
8" X 6" TEE	1			
8" X 8" TEE		1		
10" X 6" TEE	1			
8" X 8" CROSS		1		
10" X 10" CROSS			1	
8" X 6" REDUCER		31		
10" X 8" REDUCER			29	
12" X 8" REDUCER				54
12" X 10" REDUCER				30
90° HORIZ. BEND	20	27	31	37
45° HORIZ. BEND	9	11	13	15
22.5° HORIZ. BEND	4	6	7	8
11.25° HORIZ. BEND	2	3	4	4
GATE VALVE/CAP	55	72	87	102
22.5° VERT. BEND (UPPER)	11	15	18	21
(LOWER)	3	4	4	5
11.25° VERT. BEND (UPPER)	6	8	9	11
(LOWER)	2	2	2	3

* NOTE:

6" WL, 8" WL, 10" WL, & 12" WL TO BE PVC (C-900)



NOTE:

INSTALL TRACE WIRE TEST STATIONS PER PLAN ACCORDING TO:
FOR WATER: COA STD DRAWINGS 2302, 2324, 2342 AND COA SPECIFICATIONS 801.9.12
FOR SANITARY SEWER: COA STD DRAWINGS 2190, 219 AND SPECIFICATION 901.5.9

NOTE:

BACKFLOW PREVENTION DEVICES WILL BE PROVIDED AS REQUIRED ON THE PRIVATE ONSITE PLANS.

NOTE:

ALL WORK PERFORMED ON PRIVATELY OWNED SEWER LINE AND SERVICE LINES MUST BE INSPECTED BY THE CITY OF ALBUQUERQUE'S CODE ADMINISTRATION DIVISION. IN ORDER THAT INSPECTION BY THE PLANNING DEPARTMENT, CODE ADMINISTRATION DIVISION, PLUMBING SECTION CAN BE EFFICIENTLY HANDLED, WITH A MINIMUM LOSS OF TIME TO CONTRACTOR, THE FOLLOWING SHALL BE NOTED: INSPECTION ARRANGEMENT FOR SEWER SERVICE LINE SHALL BE MADE BY THE CONTRACTOR CALLING THE CITY OF ALBUQUERQUE, CODE ADMINISTRATION DIVISION, PLUMBING SECTION. INSPECTION REQUEST CALLED IN BETWEEN THE HOURS OF 8:00 A.M AND 12:00 NOON WILL BE INSPECTED THE SAME AFTERNOON. INSPECTION REQUESTS CALLED BETWEEN HOURS OF 1:00 P.M. AND 5:00 P.M. WILL BE INSPECTED THE FOLLOWING MORNING, EXCEPT IN CASES OF EMERGENCY.

LEGEND

	PHASE BOUNDARY
	EXISTING STORM DRAIN LINE
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	PROPOSED STORM DRAIN LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED WATER LINE
	PROPOSED FIRE LINE
	EXISTING STORM DRAIN MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT
	PROPOSED STORM DRAIN MANHOLE
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED HYDRANT
	PROPOSED FIRE DEPARTMENT CONNECTION (FDC)
	PROPOSED REDUCER
	INSTALL TRACE WIRE STATION
	EXISTING TRACER WIRE TEST STATION

WATER SHUT-OFF PLAN:

FOR CONNECTION	VALVES CLOSED
WOODMONT AVE.	VALVE #1193, #392, #151
GIRONA AVE.	VALVE #391
BELATERRA ST.	VALVE #441
MANCOS ST.	VALVE #151

CONTRACTOR WILL BE RESPONSIBLE FOR FLUSHING, DISINFECTING, AND TESTING THE LINES AS REQUIRED BY ABCWUA

WATER SHUT-OFF REQUIREMENTS:

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 WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY CITY OF RIO RANCHO WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES..

- A. EASEMENT TO BE DEDICATE TO THE WATER AUTHORITY WITH FINAL PLAT.
- B. EASEMENT TO BE DEDICATED TO COA FOR PUBLIC SD EASEMENT WITH FINAL PLAT.
- C. SD PRIVATE EASEMENT FOR USE OF TRACT 3.
- D. SAS PRIVATE EASEMENT FOR USE OF TRACT 3.



CALL NM ONE-CALL SYSTEM SEVEN (7) DAYS PRIOR TO ANY EXCAVATION



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

BEDROCK
OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. C-09-Z
		CITY PROJECT NO. 740579
		SHEET NO. 16 OF 40

CONSULTANTS

BENCH MARKS

SEAL

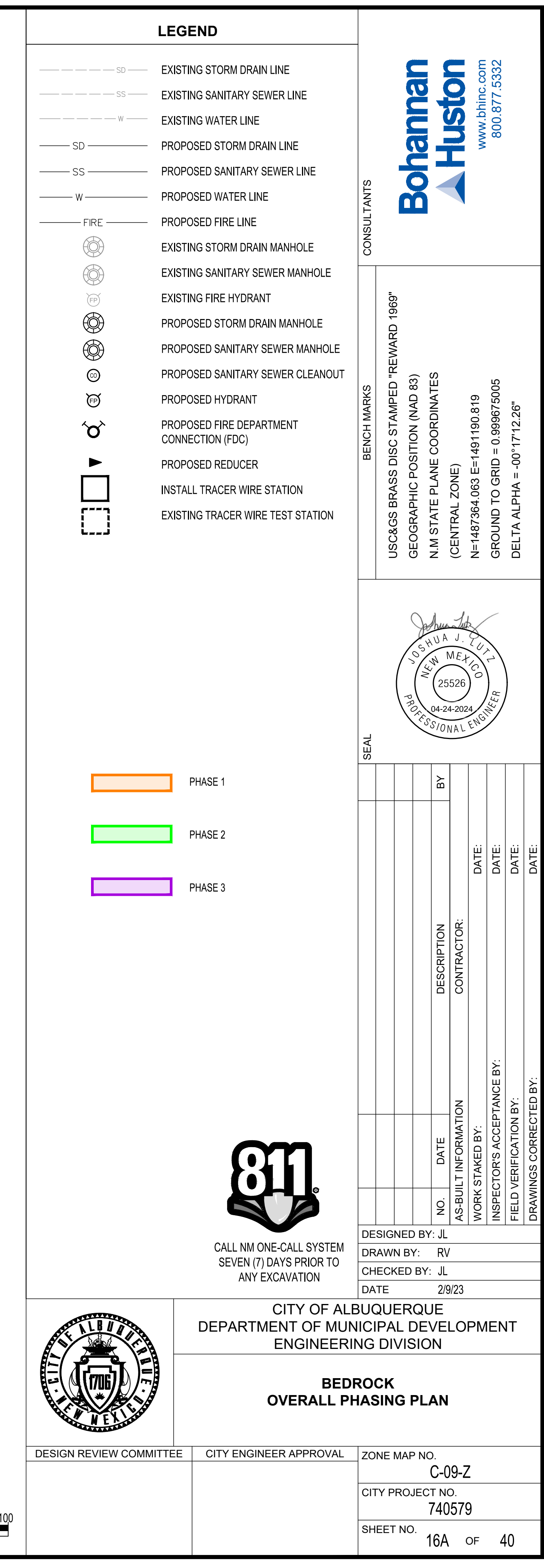
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		CONTRACTOR:	
		AS-BUILT INFORMATION	
		WORK STAKED BY:	DATE:
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DESIGNED BY: JL
DRAWN BY: RV
CHECKED BY: JL
DATE 2/9/23

**Bohannon
Huston**
www.bhinc.com
800.877.5332

USC&GS BRASS DISC STAMPED "REWARD 1969"
GEOGRAPHIC POSITION (NAD 83)
N/M STATE PLANE COORDINATES
(CENTRAL ZONE)
N=1487364.063 E=1491190.819
GROUND TO GRID = 0.998675005
DELTA ALPHA = -00°17'12.26"

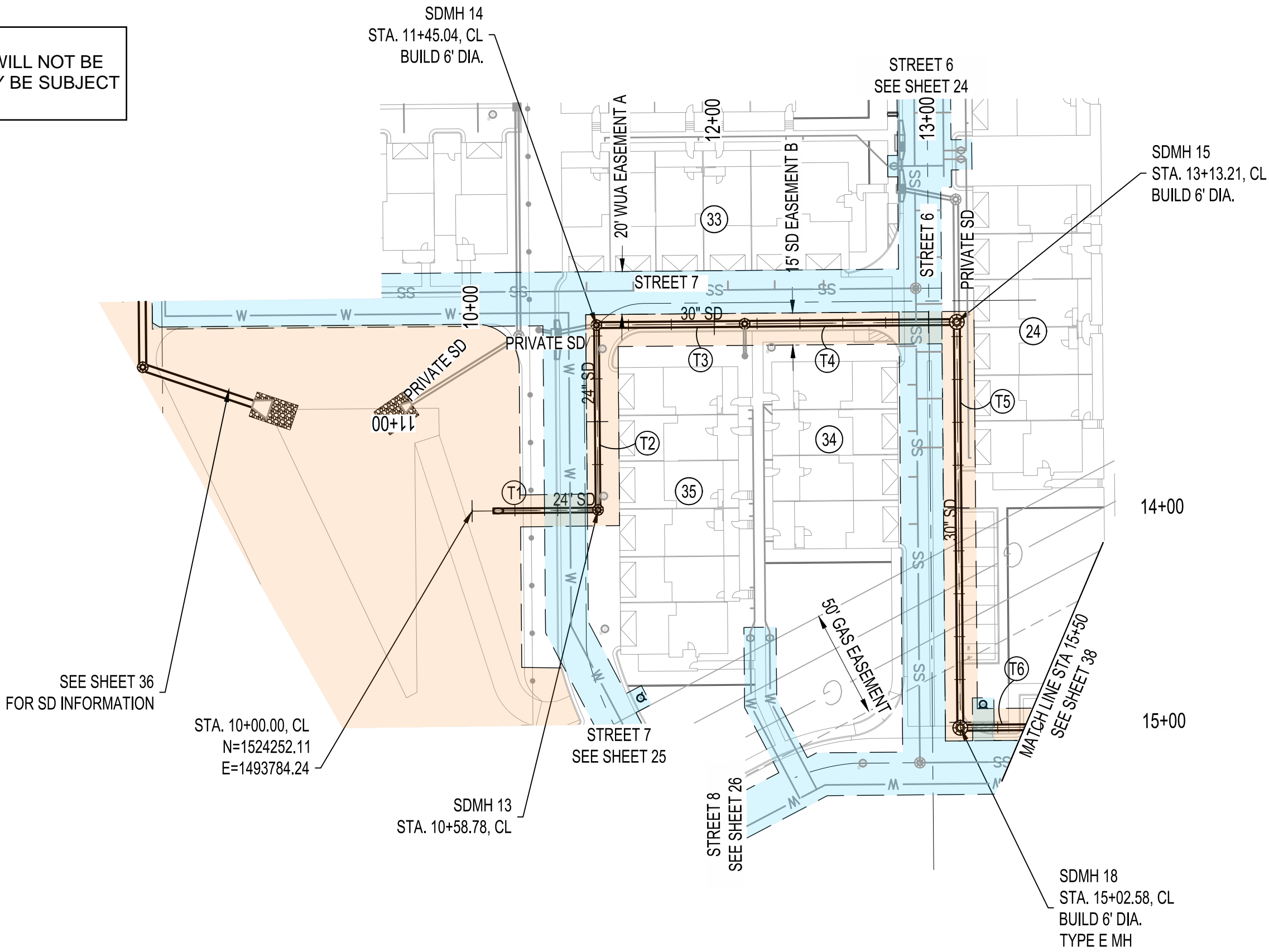




NOTE:
THE OUTLETS FOR POND A6-2 AND D-1 WILL NOT BE
CONSTRUCTED UNTIL PHASE 3 AND MAY BE SUBJECT
TO DESIGN MODIFICATIONS.

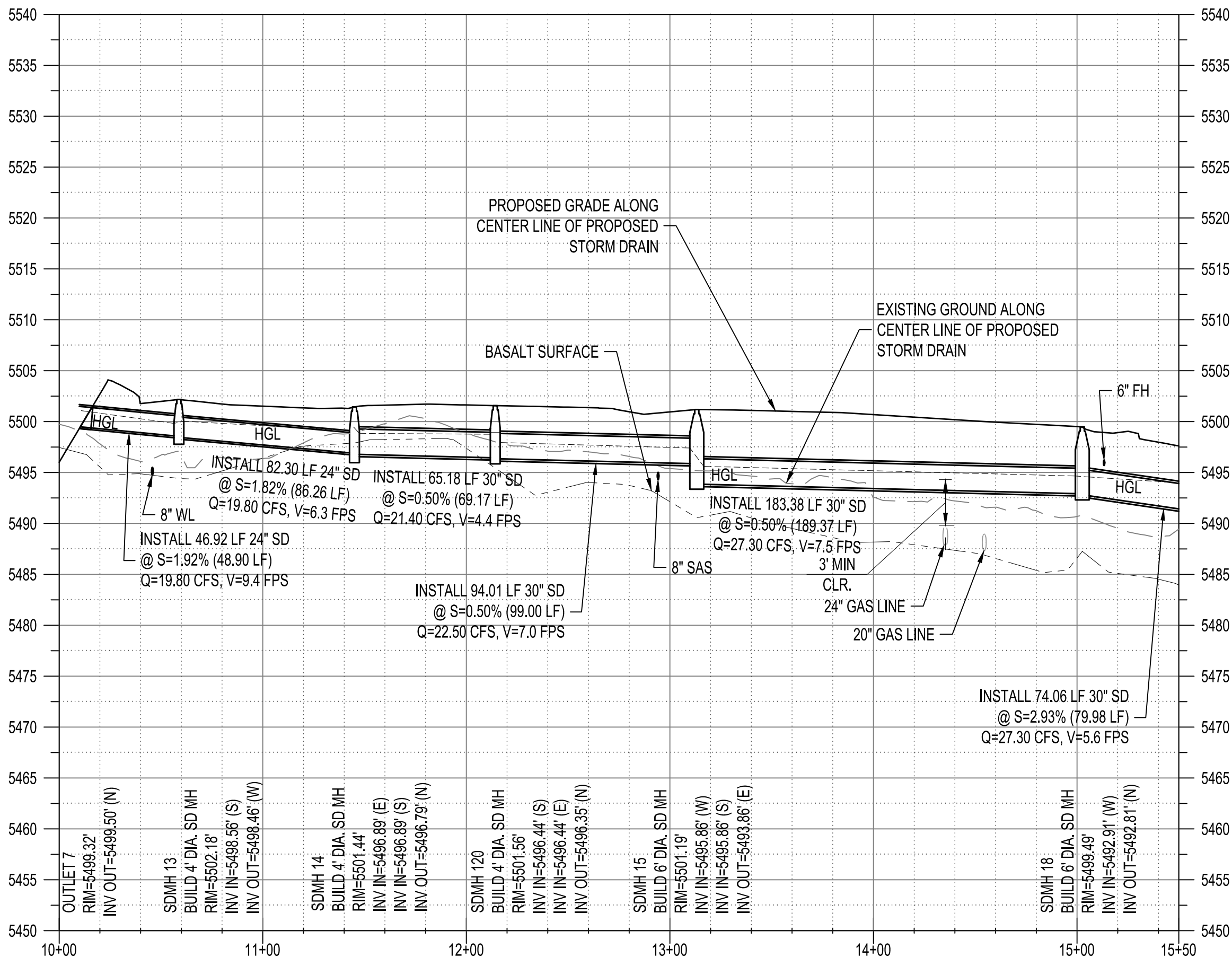
SEE SHEETS 24 & 25 FOR
UTILITY CROSSINGS TABLE

CL/SD ALIGNMENT Tangent Table		
ID	BEARING	LENGTH
T1	S00°00'00"E	58.78'
T2	N90°00'00"E	86.26'
T3	S00°00'00"E	69.17'
T4	S00°00'00"E	99.00'
T5	N90°00'00"W	189.37'
T6	S00°00'00"E	79.98'



STORM DRAIN POND A6-2 TO POND D1

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 10'



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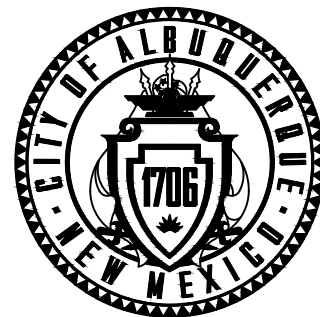
- NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
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 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 11. REMOVAL OF THE EXISTING CURB AND GUTTER TO NEAREST JOINT.
 12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
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 14. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
 15. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
 16. AT UTILITY CROSSINGS WHERE LESS THAN 1.5 FOOT OF SEPARATION FROM STORM DRAIN PIPE OR MANHOLE IS PRESENT LEAN FILL IS TO BE USED 1) FOR A DISTANCE OF 5 FEET ON EACH SIDE OF THE SD & FROM TOP OF STORM DRAIN TO BOTTOM OF SANITARY SEWER OR WATER LINE OR 2) FOR 10 FEET ALONG SANITARY SEWER OR WATER LINE CENTERED ON THE MANHOLE WITH DEPTH EQUAL TO 2X SEWER OR WATER LINE DIAMETER.
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VALVES PER STD. DWG. 2326 & 2328
MANHOLES PER STD. DWG. 2101 & 2102
DROP MANHOLE PER STD. DWG. 2116
WATER SERVICE PER STD. DWG. 2361, 2362 & 2368
SAS SERVICE PER STD. DWG. 2125
TRACER WIRE PER STD. DWG. 2190, 2191, 2302, 2365, 2342
VISIT http://www.abcwua.org/For_Builders.aspx
FOR STANDARD DRAWINGS



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CITY OF ALBUQUERQUE
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BEDROCK
STORM DRAIN PLAN AND PROFILE
STORM DRAIN POND A6-2 TO POND D1

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. C-09-Z
		CITY PROJECT NO. 740579
		SHEET NO. 37 OF 40

CONSULTANTS

USC&GS BRASS DISC STAMPED "REWARD 1969"

GEOGRAPHIC POSITION (NAD 83)

N/M STATE PLANE COORDINATES

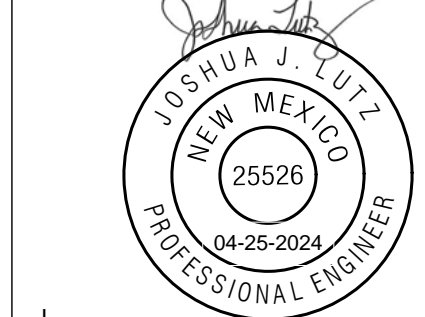
(CENTRAL ZONE)

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GROUND TO GRID = 0.999675005

DELTA ALPHA = -00°17'12.26"

BENCH MARKS



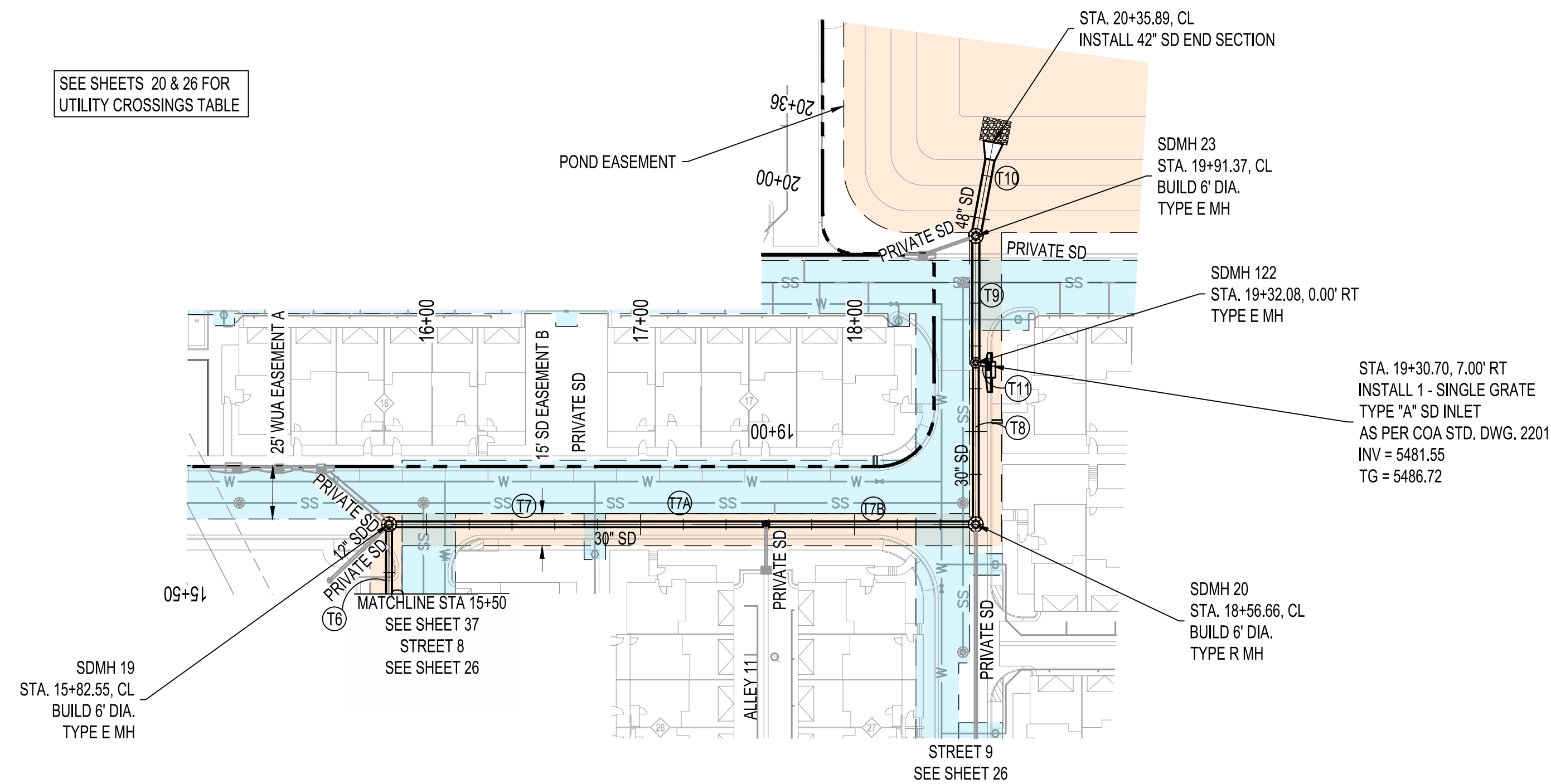
SEAL





NO.	DATE	DESCRIPTION	BY
		CONTRACTOR:	
		AS-BUILT INFORMATION	
		WORK STAKED BY:	
		INSPECTOR'S ACCEPTANCE BY:	
		FIELD VERIFICATION BY:	
		DRAWINGS CORRECTED BY:	

DESIGNED BY: JL
DRAWN BY: RV
CHECKED BY: JL
DATE 2/9/23

SEE SHEETS 20 & 26 FOR
UTILITY CROSSINGS TABLE

ID	BEARING	LENGTH
T6	S00°00'00"E	79.98'
T7	S90°00'00"W	82.94'
TA	S90°00'00"W	93.17'
TB	S90°00'00"W	98.00'
T8	S00°00'00"E	75.42'
T9	S00°00'00"E	59.28'
T10	S10°31'50"W	44.52'
T11	S78°49'24"E	7.14'



- | | | |
|---|----|---|
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NOTES

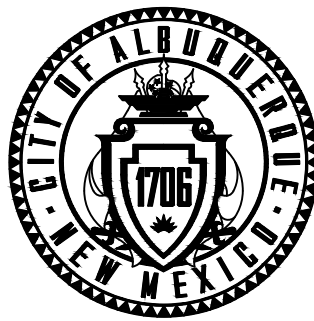
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

BEDROCK
STORM DRAIN PLAN AND PROFILE
STORM DRAIN POND A6-2 TO POND D1

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. C-09-2
		CITY PROJECT NO. 74057
		SHEET NO. 38

CONSULTANTS

BENCH MARKS

USC&GS BRASS DISC STAMPED "REWARD 1969"

GEOGRAPHIC POSITION (NAD 83)
N.M STATE PLANE COORDINATES

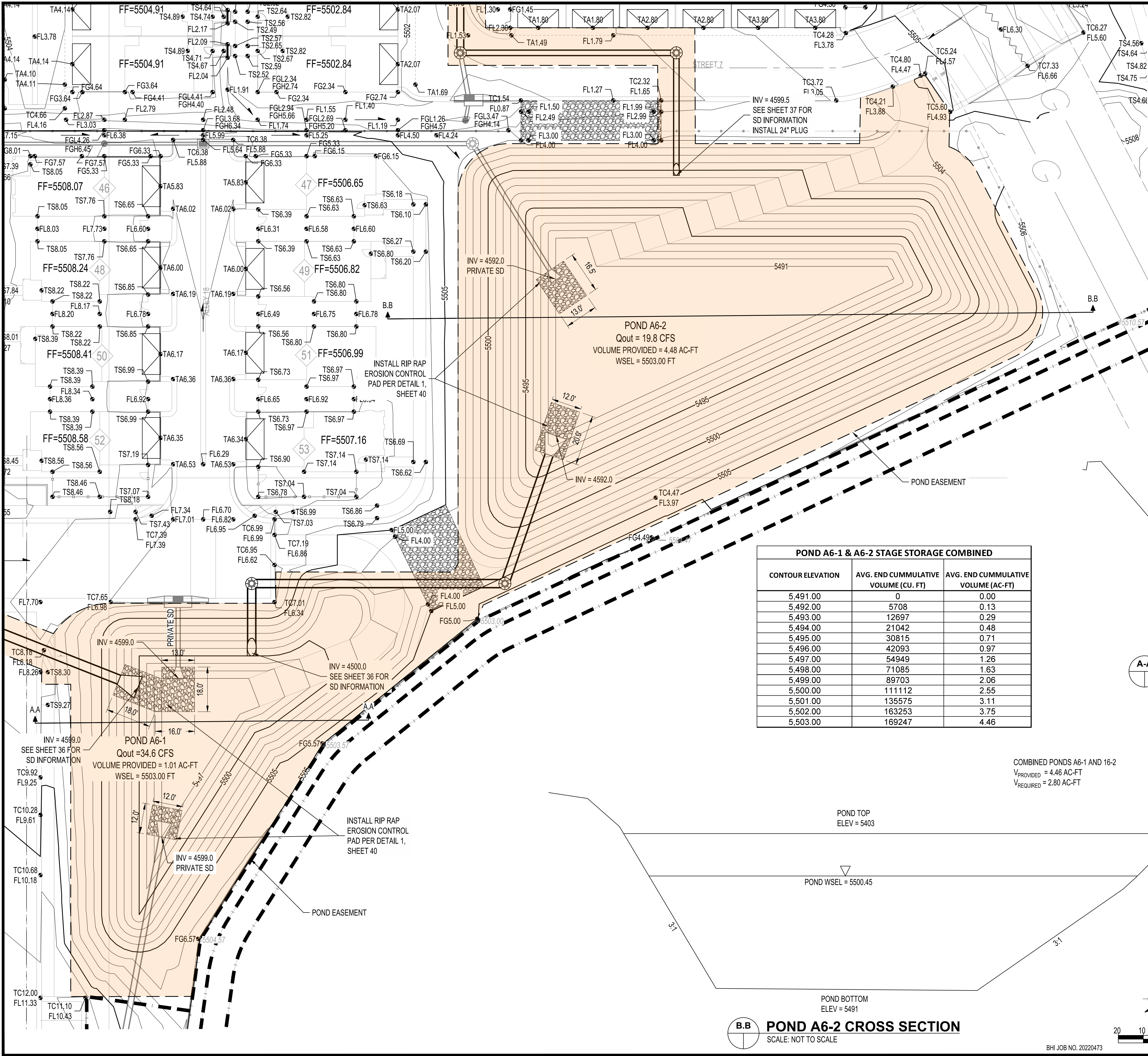
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GROUND TO GRID = 0.999675005
DELTA ALPHA = -0°17'12.26"



SEAL

NO.	DATE	DESCRIPTION	BY
AS-BUILT INFORMATION			
WORK STAKED BY:			
INSPECTOR'S ACCEPTANCE BY:			DATE:
FIELD VERIFICATION BY:			DATE:
DRAWINGS CORRECTED BY:			DATE:

DESIGNED BY: JL
DRAWN BY: RV
CHECKED BY: JL
DATE 2/9/23



NOTE:
SIDE SLOPES AND BOTTOM OF POND SHALL BE STABILIZED PER CITY STANDARD SPECIFICATION 1013 MUST SATISFY FINAL STABILIZATION CRITERIA (CGP 2.2.14.B)

EASEMENT TO BE DEDICATED TO COA FOR PUBLIC SD EASEMENT WITH FINAL PLAT.

SEAL

CONSULTANTS

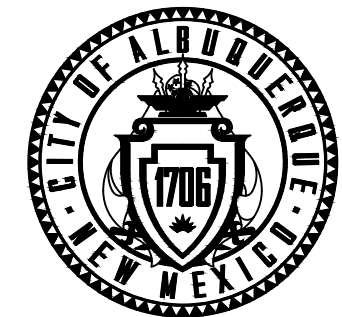
BENCH MARKS



NO.	DATE	DESCRIPTION	BY
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		FIELD VERIFICATION BY:	
		DRAWINGS CORRECTED BY:	



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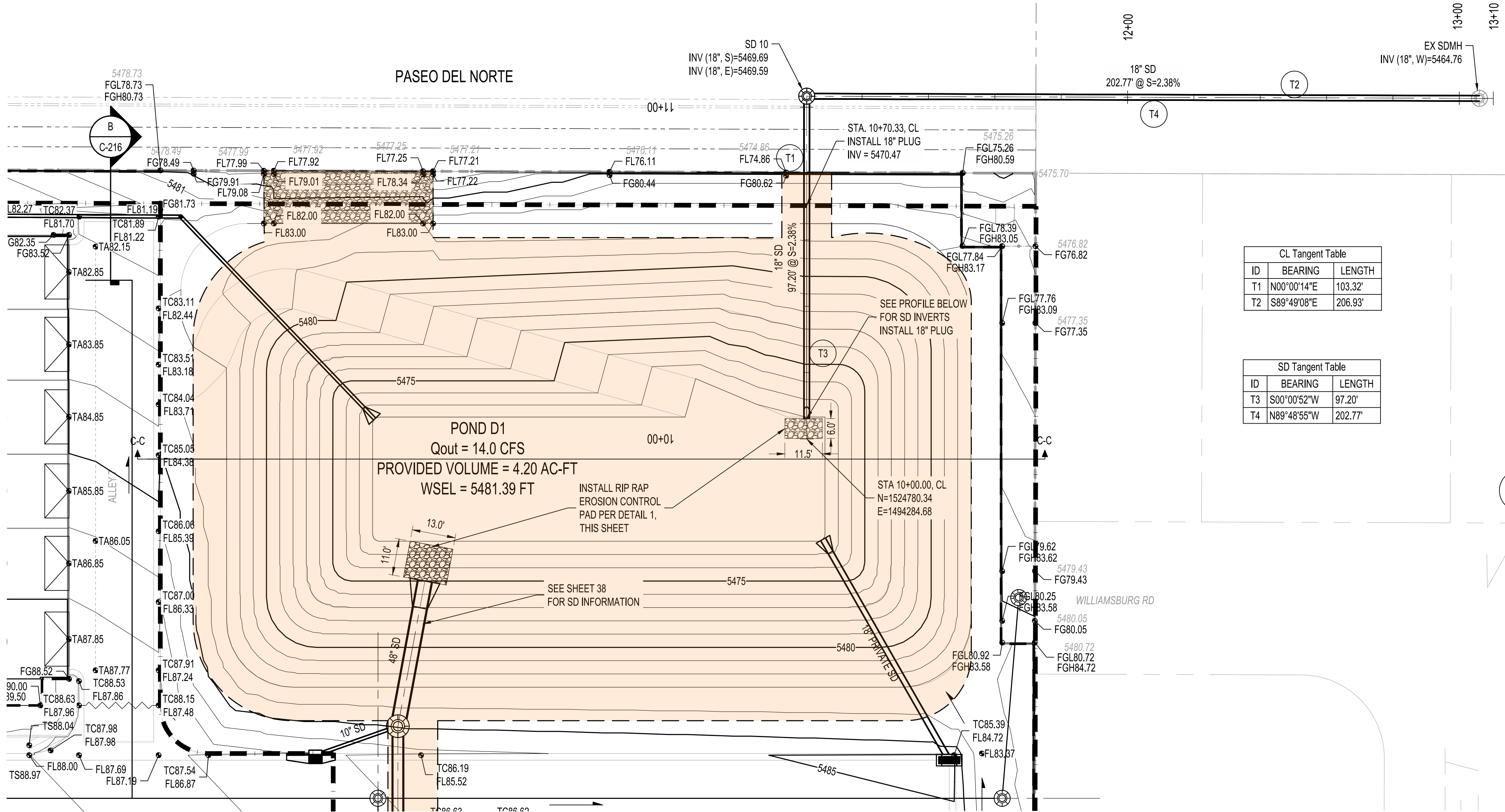


CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

BEDROCK
POND A6-1 & POND A6-2

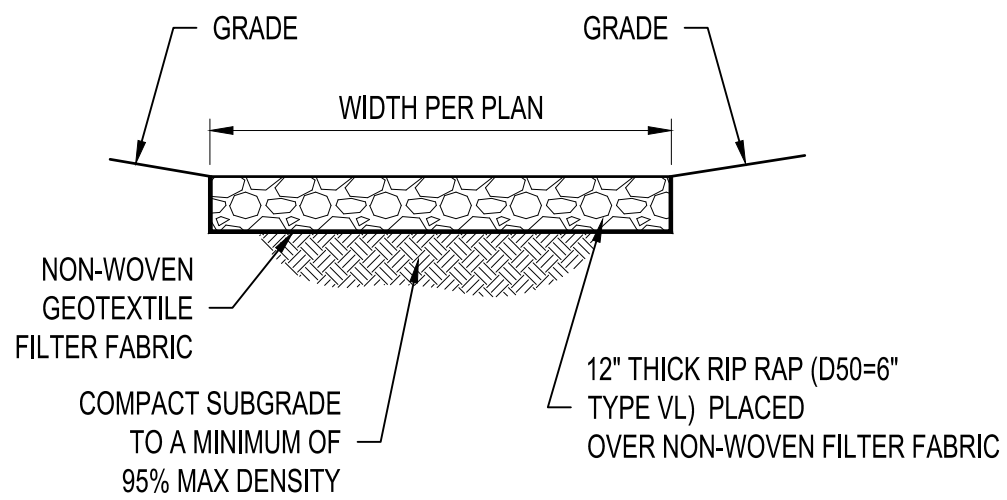
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. C-09-Z
		CITY PROJECT NO. 740579
		SHEET NO. 39 OF 40

Bohannon
Huston
www.bhinc.com
800.877.5332



EASEMENT TO BE DEDICATED
TO COA FOR PUBLIC SD
EASEMENT WITH FINAL PLAT.

NOTE:
SIDE SLOPES AND BOTTOM OF POND SHALL BE STABILIZED
PER CITY STANDARD SPECIFICATION 1013 MUST SATISFY
FINAL STABILIZATION CRITERIA (CGP 2.2.14.B)



1 RIP-RAP BLANKET

NTS

POND D1 STAGE STORAGE		
CONTOUR ELEVATION	AVG. END CUMMULATIVE VOLUME (CU. FT)	AVG. END CUMMULATIVE VOLUME (AC-FT)
5,472.00	0	0
5,473.00	6089	0.14
5,474.00	13870	0.32
5,475.00	23474	0.54
5,476.00	35032	0.80
5,477.00	48676	1.12
5,478.00	64538	1.48
5,479.00	82750	1.90
5,480.00	103443	2.37
5,481.00	126823	2.91
5,482.00	153195	3.52
5,483.00	182883	4.20

POND TOP
ELEV = 5482

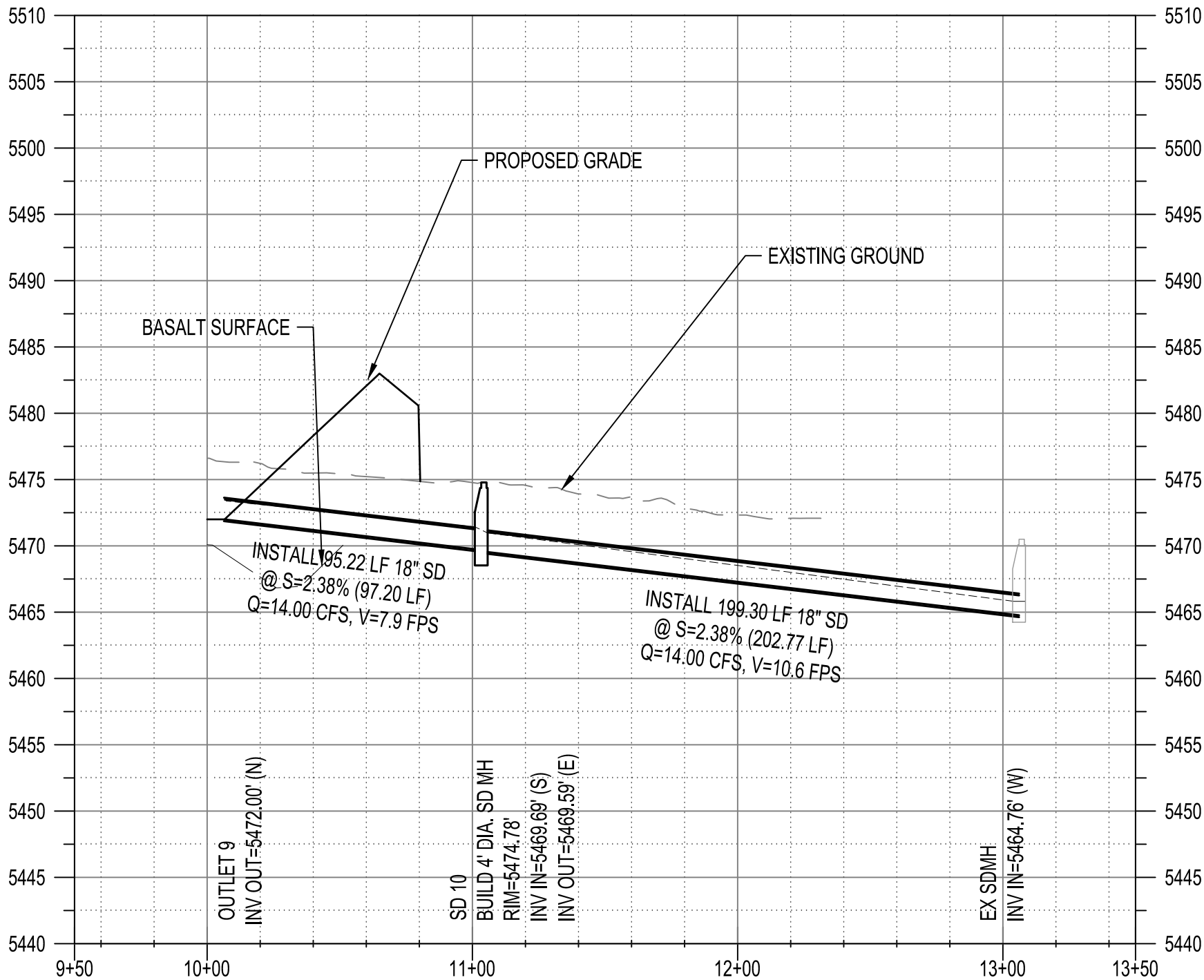
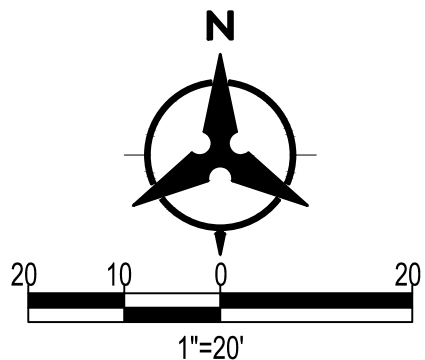
POND WSEL = 5481.39

V_{PROVIDED} = 4.20 AC-FT
V_{REQUIRED} = 3.31 AC-FT

POND BOTTOM
ELEV = 5472

C-C POND D1 CROSS SECTION

SCALE: NOT TO SCALE



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

BEDROCK
POND D1

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

ZONE MAP NO.

C-09-Z

CITY PROJECT NO.

740579

SHEET NO.

40 OF 40

CONSULTANTS

BENCH MARKS

SEAL

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