

**CITY OF LAS VEGAS GENERAL NOTES**

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE, THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION, THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA, AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE "UNIFORM BUILDING CODE", AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION, PRIOR TO THE USE ON THE PROJECT.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
- AC PAVEMENT TO BE 1 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
- CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR-TENTHS OF ONE PERCENT SHALL BE WATER-TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED PER USD 216.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER USD 235, CASE I. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY CITY PROJECT REPRESENTATIVE.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED, AND SHALL BE DONE ONLY BY A NEVADA PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH THE "UNIFORM STANDARD DRAWINGS - CLARK COUNTY AREA. A RECORD-OF-SURVEY FOR REPLACEMENT OF PERMANENT SURVEY MONUMENTS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO RECORDING. THE RECORD-OF-SURVEY SHALL BE PREPARED IN ACCORDANCE WITH NEVADA REVISED STATUTES 625.350.
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE AFFECTED UTILITY COMPANY AND THE CITY ENGINEER.
- ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS, FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE CLV BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHTS OF WAY.
- CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, SEWER CLEANOUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MDT AND CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
- WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
- CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.
- A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED MAY 10, 2021 (CPM VERSION)

**CITY OF LAS VEGAS GRADING NOTES**

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION, ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, SUCH ITEM SHALL BE PROVIDED AS DIRECTED BY THE CITY ENGINEER, AT NO EXPENSE TO THE CITY OF LAS VEGAS. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED APRIL 13, 2015 (CPM VERSION)

**LVVWD STANDARD NOTES**

(REVISED 01/27/2021)

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. **WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.**
- ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). **THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.**
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
- ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES, TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
- ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCTS LIST (APL) FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
- TELEPHONE USA NORTH 811 "CALL BEFORE YOU DIG" AT "811" OR 1-800-642-2444
- THE INSTALLATION OF LVVWD MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNERS ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNERS ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

**15. NO LEAD COMPLIANCE NOTE:**  
**TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.**

- PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS PLATES. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.
- DRY UTILITY NOTES:** MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSINGS. MAINTAIN A MINIMUM OF 3' PARALLEL SEPARATION.

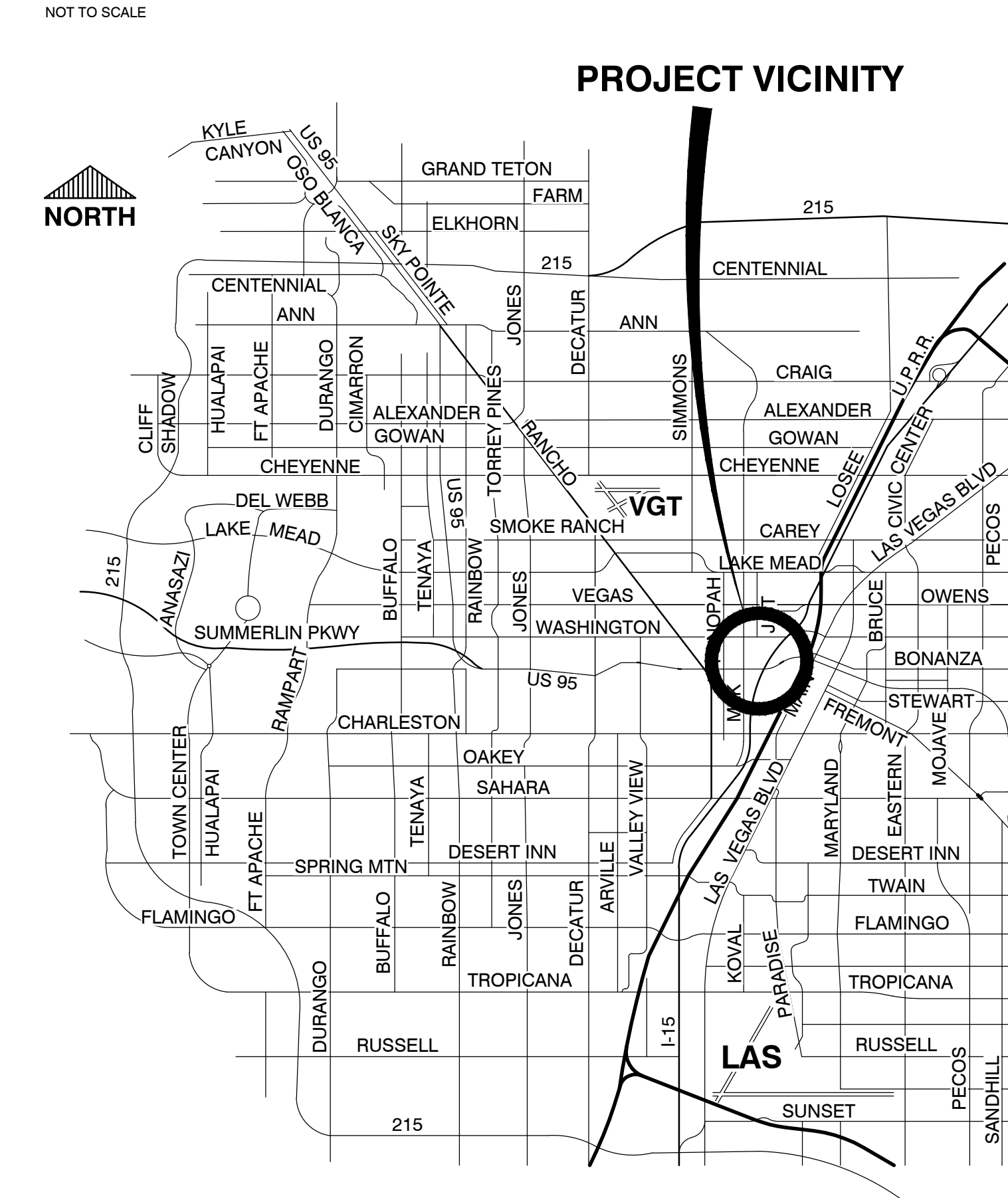
**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT. THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF LAS VEGAS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

MATTHEW J. SEMIC R.C.E. NO. 031557 EXP. 06-30-26 DATE  
 LATITUDE 33 PLANNING AND ENGINEERING  
 10731 TREENA STREET  
 SAN DIEGO, CA 92131  
 858-875-1704  
 MATT.SEMIC@LATITUDE33.COM

**VICINITY MAP**



**BASIS OF BEARINGS**

SOUTH 00°23'44" WEST BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 120 OF PARCEL MAPS, PAGE 81, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

**BENCHMARK**

CLV BM#7LV0133W6 NAVD 2008  
 RIVET AND PLATE IN TOP OF CURB IN NW RETURN OF ALTA DRIVE AND SHADOW LANE.  
 ELEVATION=2052.72 FEET - 625.67 METERS



401 West A Street, Suite 320  
 San Diego, CA 92101  
 Tel. 949-417-7550

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 CONSULTANTS

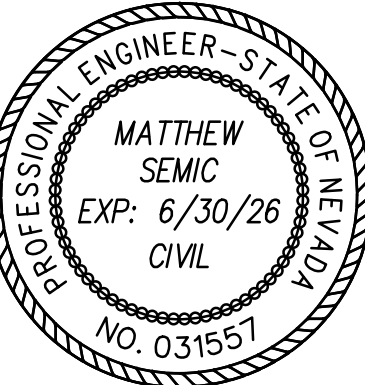
**latitude 33**  
**PLANNING & ENGINEERING**  
 10731 Treena Street, San Diego, CA 92131  
 Tel. 858-751-0633



KEY PLAN

PRINCIPAL  
 MATTHEW SEMIC  
 RESEARCH PLANNER

ENGINEER  
 VANESSA BOLLES  
 DESIGNER  
 PU, KC, MM



REVISIONS

NO.	BY	DESCRIPTION	DATE
D		ISSUED FOR PLAN CHECK	10.11.2024
C		ISSUED FOR OWNERS REVIEW	09.26.2024
B		DESIGN DEVELOPMENT	05.24.2024
A		50% DD SET	05.10.2024

Southern Nevada Health District  
 700 South M.L.K. Blvd  
 Las Vegas, NV 89106

DRAWN BY PU, KC, MM DATE 10/11/2024

PROJECT NO. 20230523 SCALE NOTED

DRAWING NAME

CIVIL NOTES

FLOOR/SECTION PHASE DRAWING NO.

NOT FOR CONSTRUCTION

C-001

**DEMOLITION LEGED**

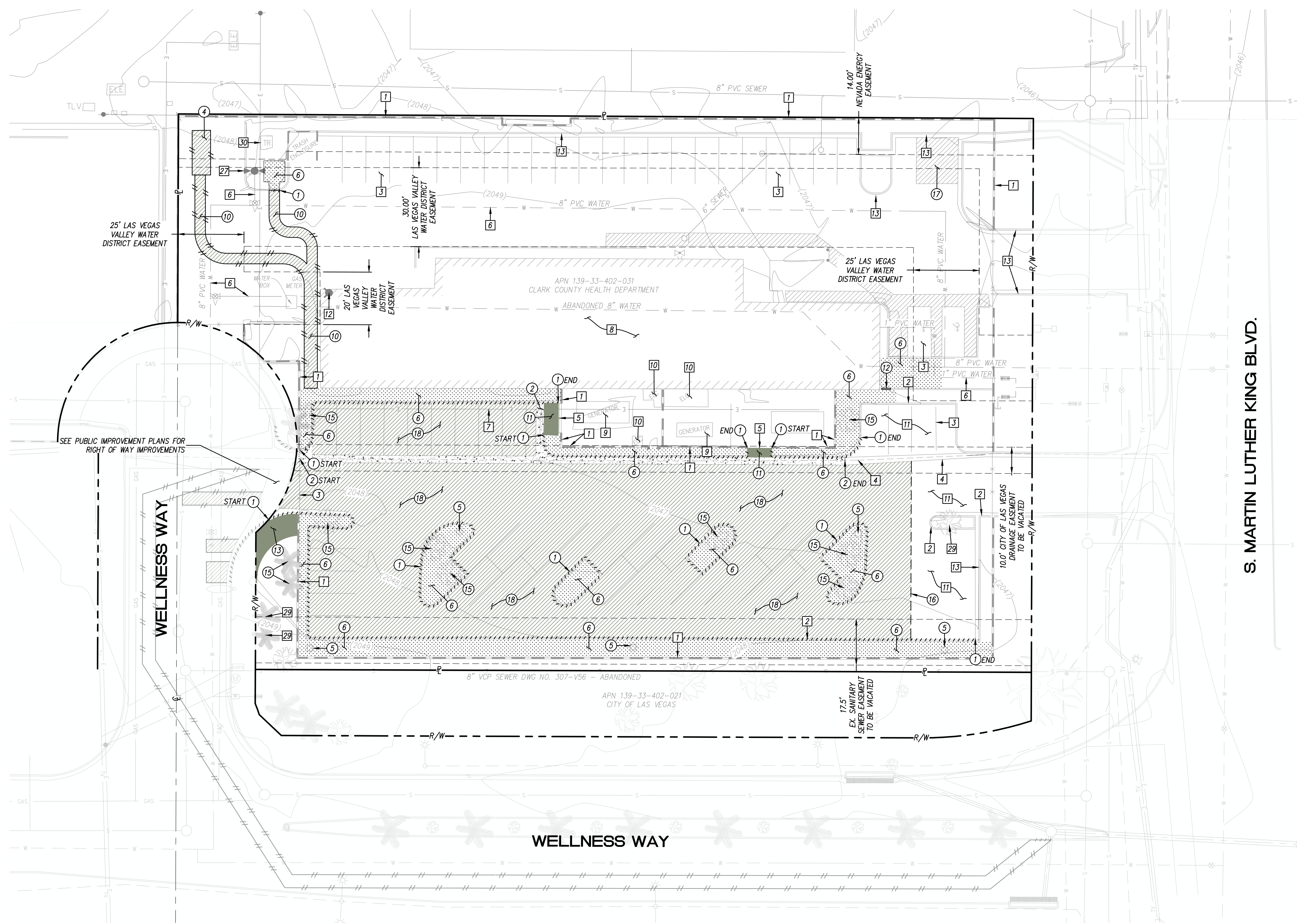
- DEMOLISH EXISTING CURB
- SAWCUT LIMITS
- REMOVE EXISTING ASPHALT CONCRETE
- REMOVE EXISTING LANDSCAPING/GRAVEL
- DEMOLISH EXISTING CONCRETE
- DEMOLISH EXISTING RIBBON GUTTER

**DEMOLITION NOTES**

- 1 DEMOLISH EXISTING CURB AND BASE MATERIAL.
- 2 DEMOLISH EXISTING RIBBON GUTTER AND BASE MATERIAL.
- 3 DEMOLISH EXISTING ROLLING GATE.
- 4 DEMOLISH EXISTING ASPHALT CONCRETE AND BASE MATERIAL FOR PROPOSED GENERATOR PAD. SEE ELECTRICAL PLANS FOR GENERATOR PAD.
- 5 REMOVE EXISTING LIGHT POLE AND ASSOCIATED FOOTING, CONDUIT, BOXES, ETC.
- 6 REMOVE EXISTING LANDSCAPE/GRAVEL/DECORATIVE BOULDERS. STORE EXISTING GRAVEL AND DECORATIVE BOULDERS FOR USE IN PROPOSED LANDSCAPE AREAS.
- 10 TRENCH EXISTING ASPHALT CONCRETE FOR PROPOSED UTILITY.
- 11 DEMOLISH EXISTING CONCRETE AND BASE MATERIAL.
- 12 DEMOLISH PORTION OF EXISTING WALL, COORDINATE DEMOLITION DETAILS WITH STRUCTURAL ENGINEER.
- 15 DEMOLISH EXISTING SIDEWALK/CURB RAMP AND BASE MATERIAL.
- 16 DEMOLISH EXISTING TREE.
- 18 SAWCUT LINE.
- 17 REMOVE/SANDBLAST EXISTING STRIPING.
- 18 DEMOLISH EXISTING ASPHALT CONCRETE AND BASE MATERIAL.

**PROTECT IN PLACE NOTES**

- 1 PROTECT IN PLACE EXISTING WALL.
- 2 PROTECT IN PLACE EXISTING CURB.
- 3 PROTECT IN PLACE EXISTING STRIPING.
- 4 PROTECT IN PLACE EXISTING RIBBON GUTTER.
- 5 PROTECT IN PLACE EXISTING METAL GATE.
- 6 PROTECT IN PLACE EXISTING WATER PIPE.
- 7 PROTECT IN PLACE EXISTING ELECTRICAL CONDUIT.
- 8 PROTECT IN PLACE EXISTING BUILDING.
- 9 PROTECT IN PLACE EXISTING ELECTRICAL GENERATOR.
- 10 PROTECT IN PLACE EXISTING ELECTRICAL APPURTENANCES.
- 11 PROTECT IN PLACE EXISTING AC PAVING.
- 12 PROTECT IN PLACE EXISTING FIRE DEPARTMENT CONNECTION.
- 13 PROTECT IN PLACE EXISTING CURB AND GUTTER.
- 27 PROTECT IN PLACE EXISTING FIRE HYDRANT.
- 29 PROTECT IN PLACE EXISTING TREE.
- 30 PROTECT IN PLACE EXISTING TRANSFORMER.

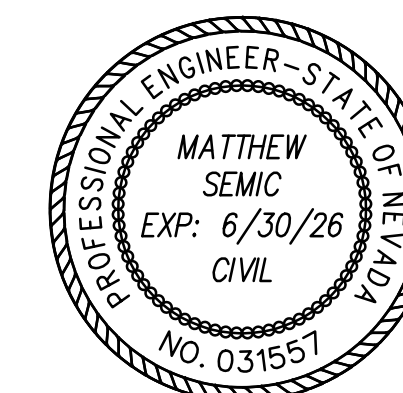


S. MARTIN LUTHER KING BLVD.

KEY PLAN

PRINCIPAL  
MATTHEW SEMIC  
RESEARCH PLANNER

ENGINEER  
VANESSA BOLLES  
DESIGNER  
PU, KC, MM



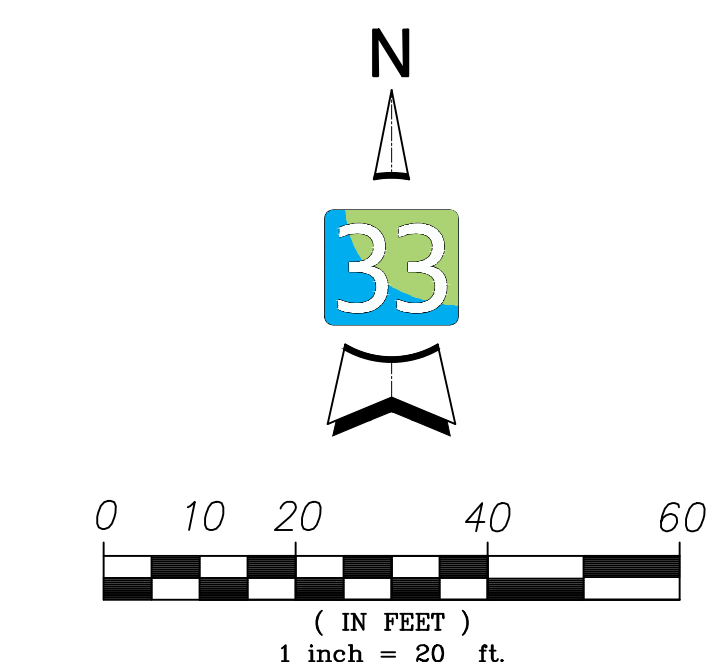
NO.	BY	DESCRIPTION	DATE
D		ISSUED FOR PLAN CHECK	10.11.2024
C		ISSUED FOR OWNERS REVIEW	09.26.2024
B		DESIGN DEVELOPMENT	05.24.2024
A		50% DD SET	05.10.2024

Southern Nevada Health District  
700 South M.L.K. Blvd  
Las Vegas, NV 89106

DRAWN BY: PU, KC, MM DATE: 10/11/2024  
PROJECT NO.: 20230523 SCALE: NOTED  
DRAWING NAME:

DEMOLITION PLAN

FLOOR/SECTION PHASE DRAWING NO.



NOT FOR CONSTRUCTION

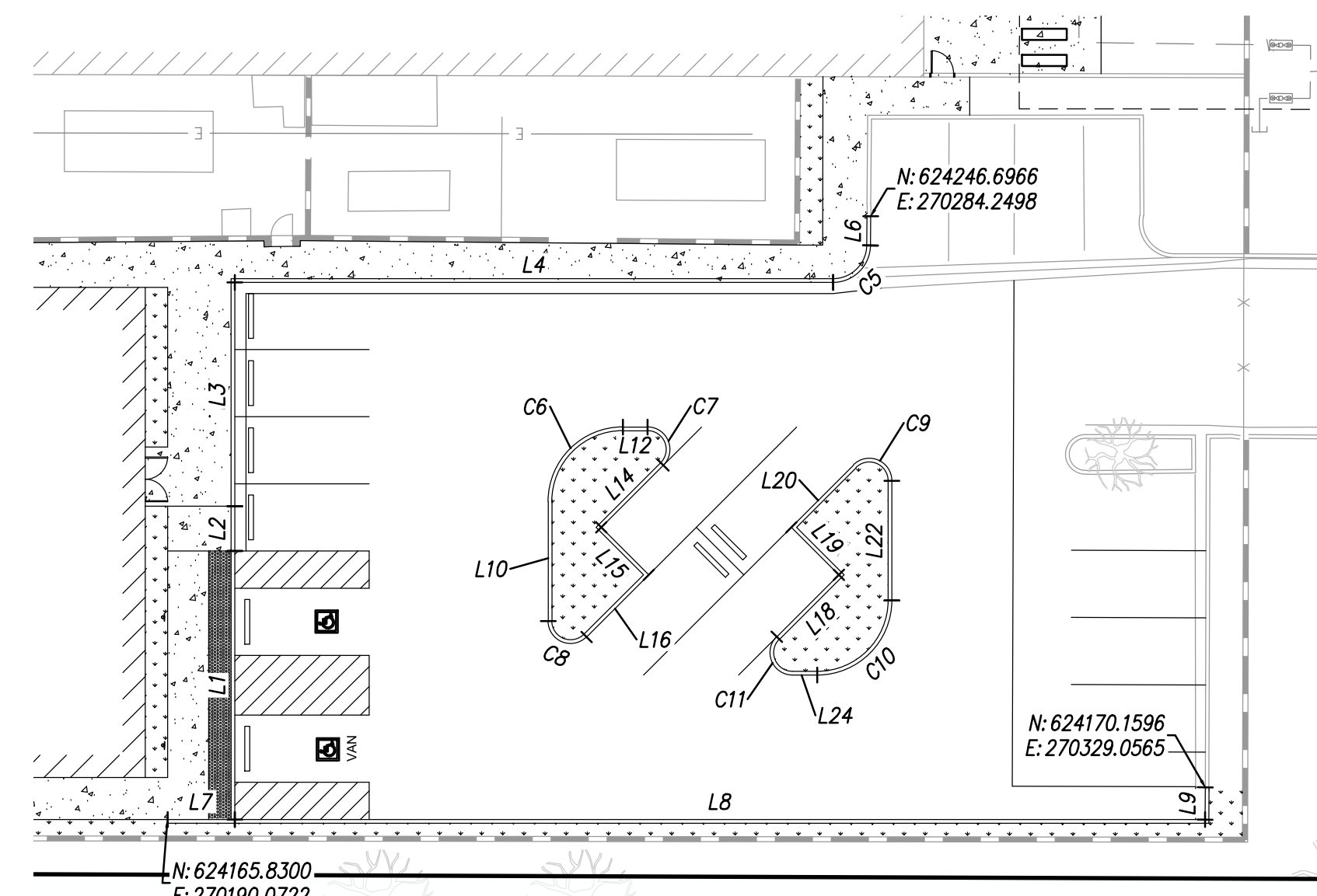
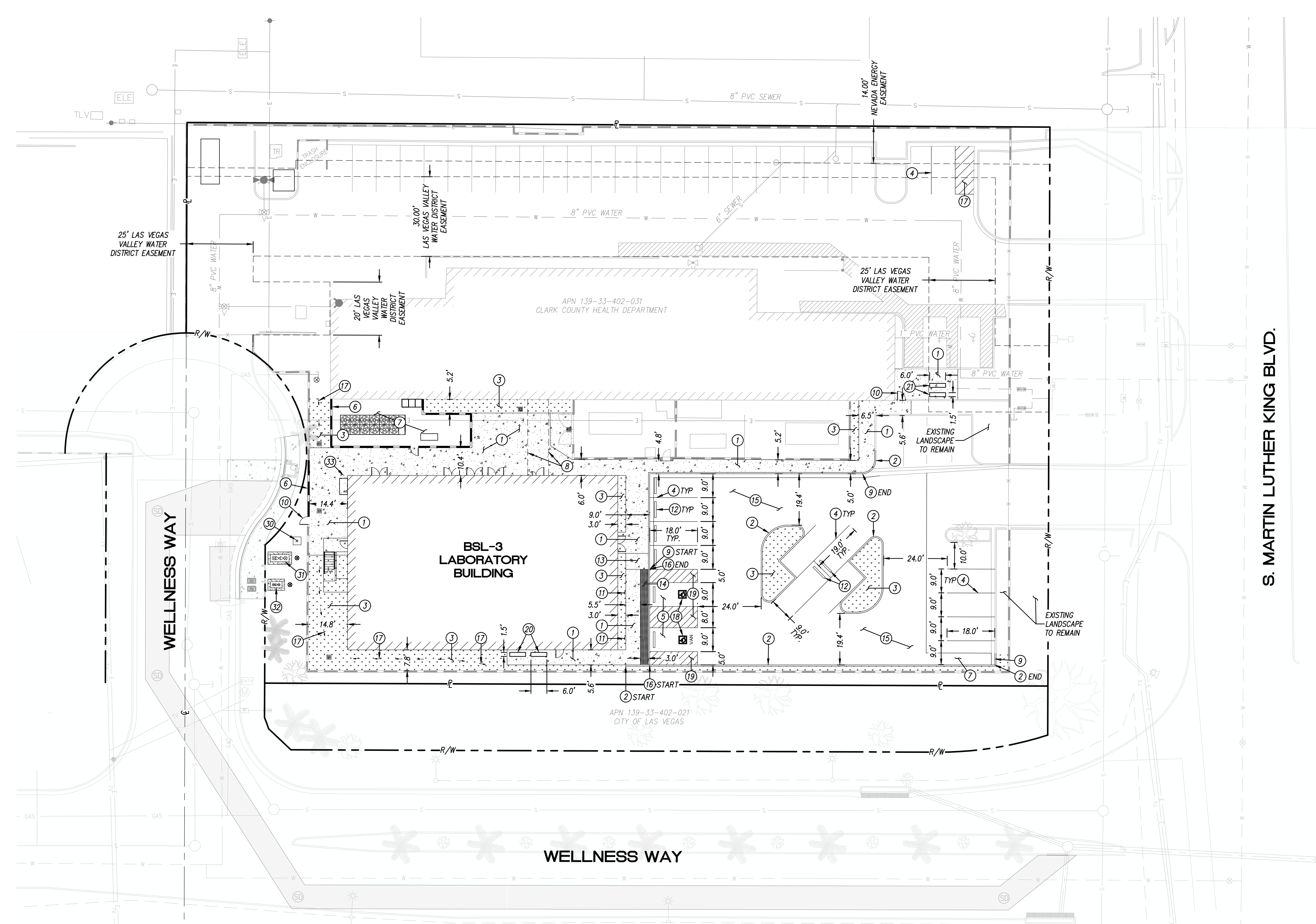


**IMPROVEMENTS LEGED**

- PROPOSED 6" CURB
- PROPOSED 6" CURB & GUTTER
- PROPOSED WALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED LANDSCAPING
- PROPOSED AC PAVING
- PROPOSED BUILDING

**CONSTRUCTION NOTES**

- 1) PROPOSED PCC SIDEWALK PER USDOCCA DWG. NO. 234.
- 2) PROPOSED 6" TYPE "A" CURB PER USDOCCA DWG. NO. 219.
- 3) PROPOSED LANDSCAPING/GRAVEL. RE-USE EXISTING GRAVEL (REMOVED AND STORED PER DEMOLITION PLAN).
- 4) PROPOSED 4" WHITE STRIPING.
- 5) PROPOSED ADA PARKING STALL, SEE DETAIL 3, SHEET C-501 FOR STRIPING.
- 6) PROPOSED 8" CMU WALL PER STRUCTURAL PLANS.
- 7) PROPOSED SERVICE YARD PER MECHANICAL PLANS.
- 8) PROPOSED CONNECTION CORRIDOR (OVERHEAD) PER ARCHITECTURAL PLANS.
- 9) PROPOSED 6" TYPE "L" CURB AND GUTTER PER USDOCCA DWG. NO. 216.
- 10) PROPOSED GATE PER ARCHITECTURAL PLANS.
- 11) PROPOSED ACCESSIBLE PARKING SIGN PER DETAIL 5, SHEET C-501.
- 12) PROPOSED WHEEL STOP PER DETAIL 2, SHEET C-501.
- 13) PROPOSED RAMP, SEE GRADING PLAN FOR DETAILS.
- 14) PROPOSED 3" WIDE DETECTABLE WARNING SURFACE USDOCCA DWG. NO. 235 (SHEET 4 OF 4).
- 15) PROPOSED ASPHALT CONCRETE PAVEMENT PER DETAIL 9, SHEET C-501.
- 16) PROPOSED 0" CURB PER DETAIL 1, SHEET C-501.
- 17) PROPOSED SWALE PER DETAIL 8, SHEET C-501.
- 18) PROPOSED ACCESSIBLE STALL STRIPING (ISA SYMBOL) PER DETAIL 4, SHEET C-501.
- 19) PROPOSED 45 DEGREE HATCHED STRIPING PER DETAIL 3, SHEET C-501.
- 20) PROPOSED SHORT TERM BICYCLE PARKING PER ARCHITECTURAL PLANS.
- 21) PROPOSED LONG TERM BICYCLE PARKING PER ARCHITECTURAL PLANS.
- 22) PROPOSED FIRE DEPARTMENT CONNECTION (ABOVE GRADE) PER UTILITY PLAN.
- 23) PROPOSED FIRE WATER BACKFLOW PREVENTOR (ABOVE GRADE) PER UTILITY PLAN.
- 24) PROPOSED DOMESTIC WATER BACKFLOW PREVENTOR (ABOVE GRADE) PER UTILITY PLAN.
- 25) PROPOSED GAS PAD (ABOVE GRADE) PER PLUMBING PLAN.



CURB DATA DETAIL

**CURB DATA TABLE - LINE**

LINE NO.	LENGTH	BEARING	REMARKS
L1	36.00'	N0° 00' 00"E	PROPOSED 0" CURB PER DETAIL 1, C-501
L2	6.00'	N0° 00' 00"E	0" TO 6" CURB TRANSITION
L3	30.00'	N0° 00' 00"E	6" TYPE "L" C&G PER USDOCCA DWG. NO. 216
L4	80.15'	N90° 00' 00"E	6" TYPE "L" C&G PER USDOCCA DWG. NO. 216
L6	3.91'	N0° 28' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L7	9.00'	N90° 00' 00"E	0" TO 6" CURB TRANSITION
L8	129.97'	N90° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L9	4.33'	N0° 10' 33"E	6" TYPE "L" C&G PER USDOCCA DWG. NO. 216
L10	16.02'	S0° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L12	3.29'	N90° 00' 00"W	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L14	11.76'	N45° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L15	9.00'	N45° 00' 00"W	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L16	11.79'	N45° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L18	11.76'	S45° 00' 00"W	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L19	9.00'	S45° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L20	11.79'	S45° 00' 00"W	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L22	16.02'	N0° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
L24	3.29'	N90° 00' 00"E	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219

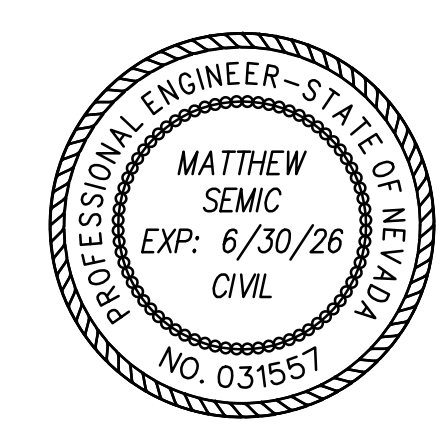
**CURB DATA TABLE - CURVE**

CURVE NO.	DELTA	RADIUS	LENGTH	REMARKS
C5	89.53	5.00'	7.81'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
C6	90.00	10.00'	15.71'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
C7	135.00	3.00'	7.07'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
C8	135.00	3.00'	7.07'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
C9	135.00	3.00'	7.07'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
C10	90.00	10.00'	15.71'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219
C11	135.00	3.00'	7.07'	6" TYPE "A" CURB PER USDOCCA DWG. NO. 219

KEY PLAN

PRINCIPAL  
MATTHEW SEMIC  
RESEARCH PLANNER

ENGINEER  
VANESSA BOLLES  
DESIGNER  
PU, KC, MM



REVISIONS

NO.	BY	DESCRIPTION	DATE
D		ISSUED FOR PLAN CHECK	10.11.2024
C		ISSUED FOR OWNERS REVIEW	09.26.2024
B		DESIGN DEVELOPMENT	05.24.2024
A		50% DD SET	05.10.2024

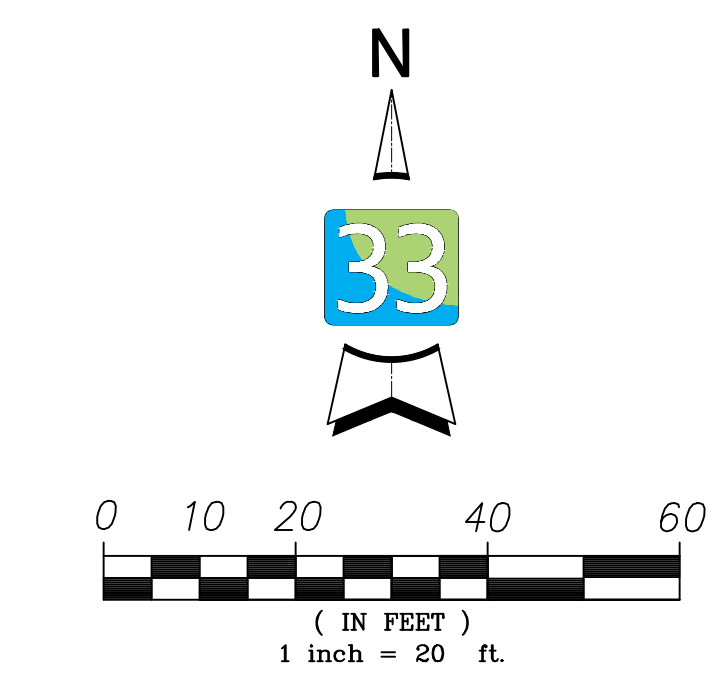
Southern Nevada Health District  
700 South M.L.K. Blvd  
Las Vegas, NV 89106

DRAWN BY: PU, KC, MM DATE: 10/11/2024

PROJECT NO.: 20230523 SCALE: NOTED

DRAWING NAME: SITE PLAN

FLOOR/SECTION PHASE: DRAWING NO.: C-201



NOT FOR CONSTRUCTION

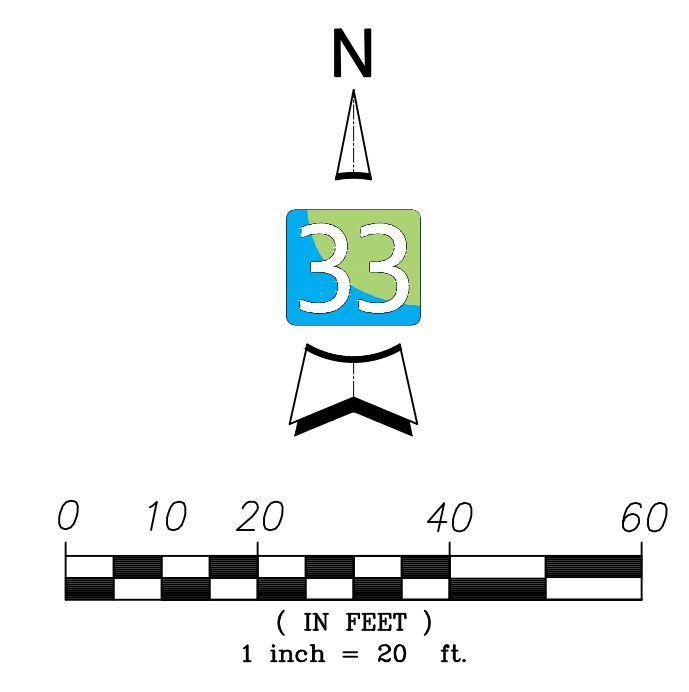
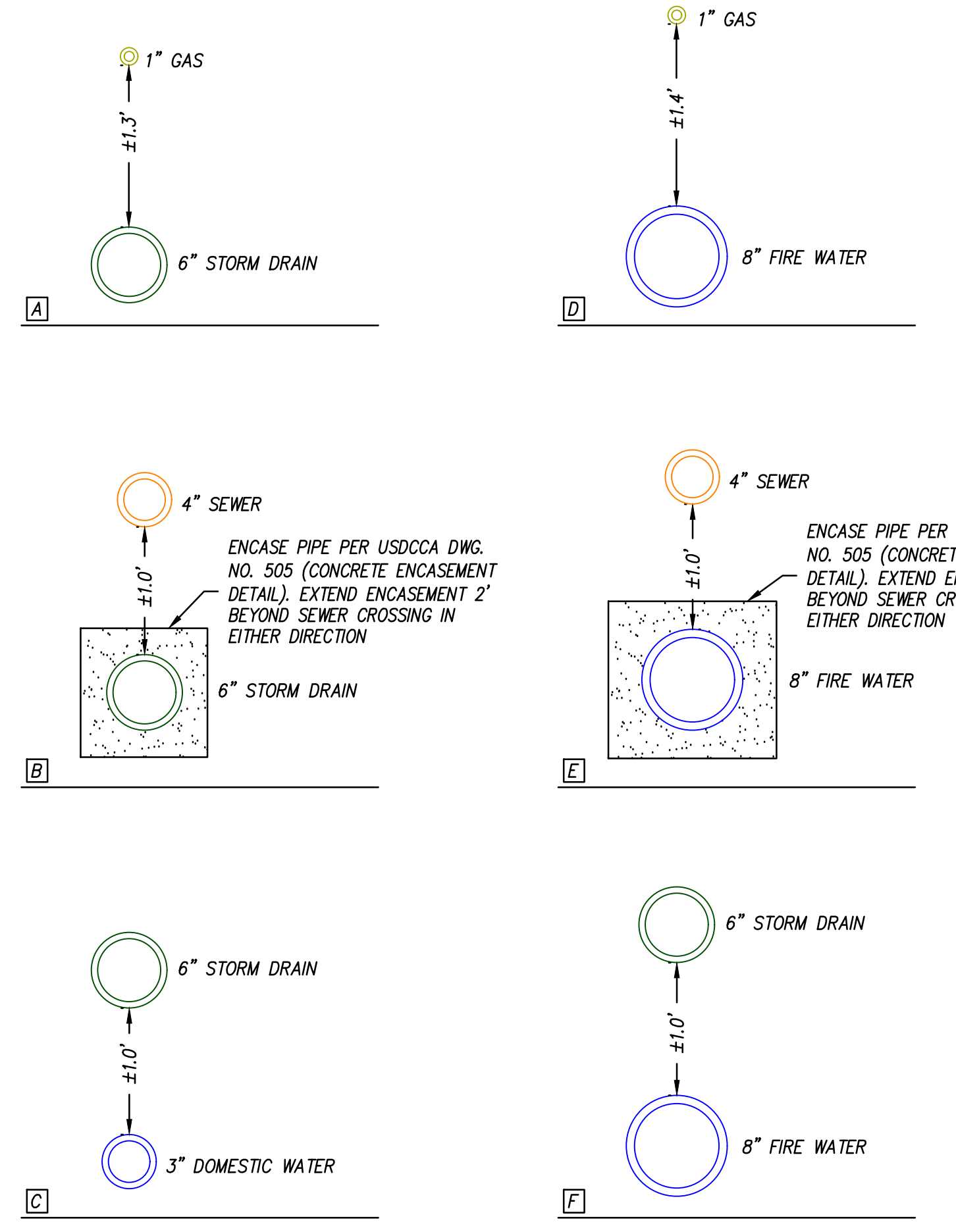
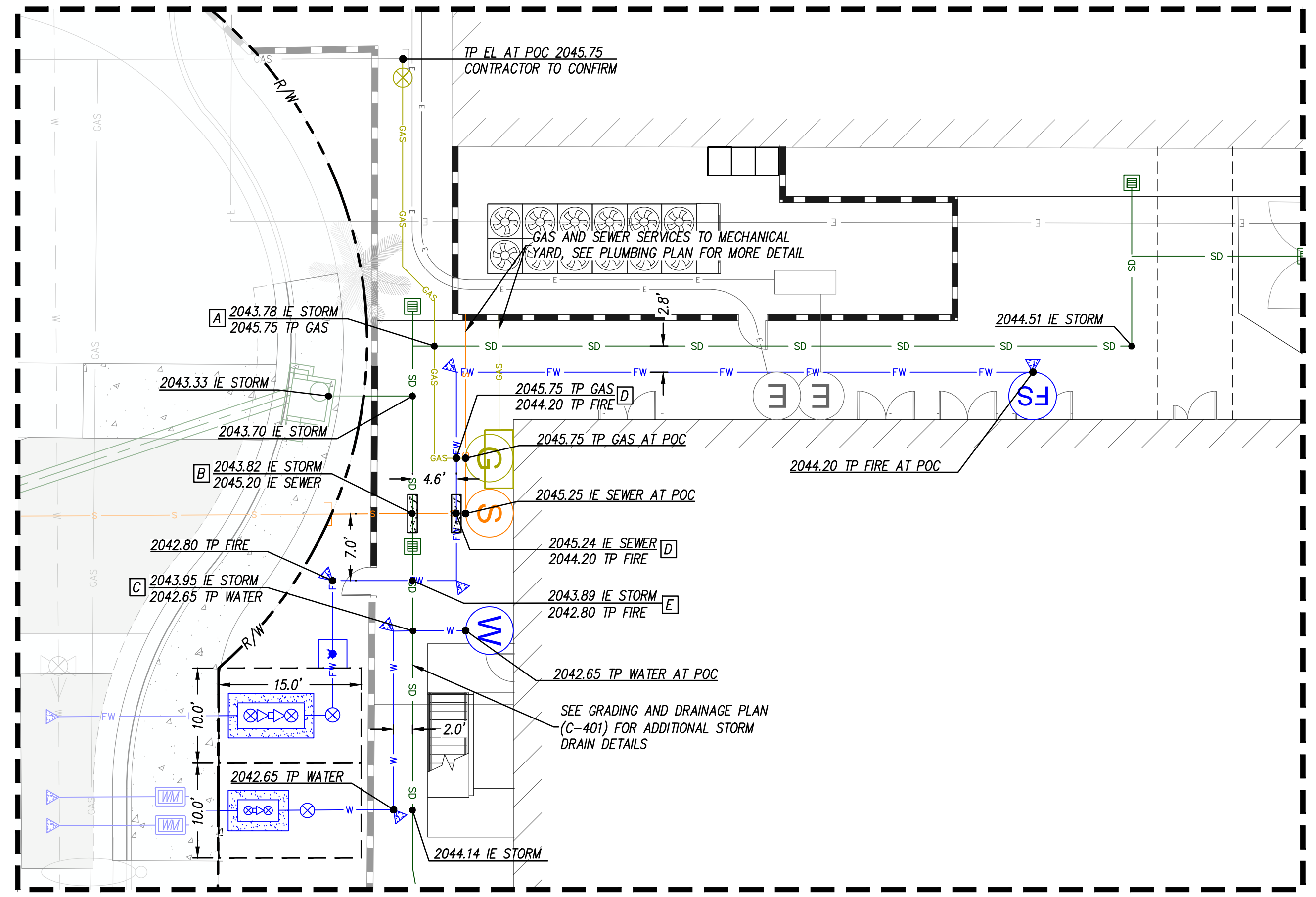
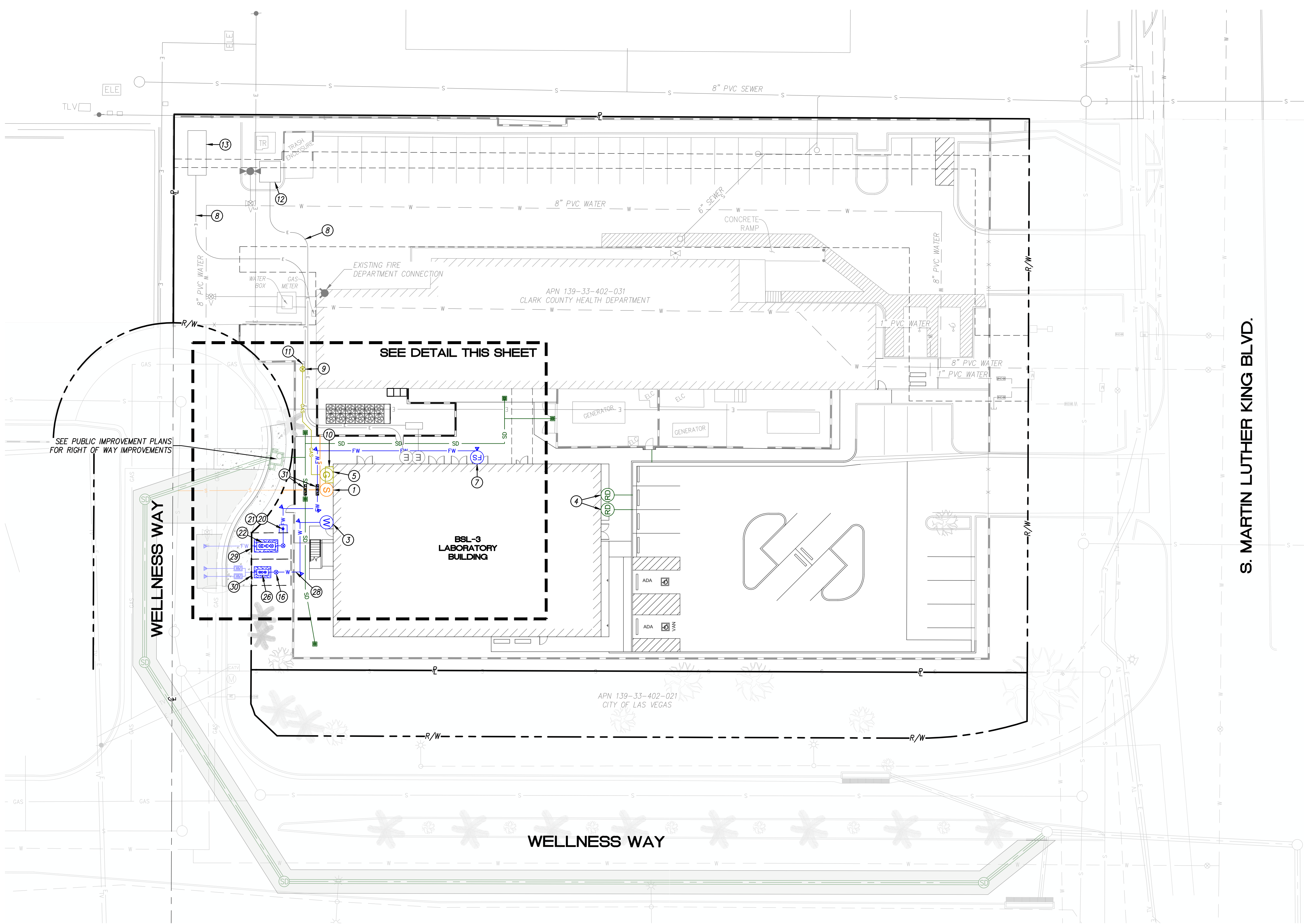


**UTILITY LEGED**

- PROPOSED 4" PVC SEWER — S —
- PROPOSED DOMESTIC WATER — W —
- PROPOSED FIRE SERVICE — FW —
- PROPOSED NATURAL GAS — GAS —
- PROPOSED STORM DRAIN (PER GRADING AND DRAINAGE PLAN) — SD —
- PROPOSED ELECTRICAL CONDUIT (PER ELECTRICAL PLANS) — C —
- PROPOSED BACKFLOW PREVENTER B
- PROPOSED FDC S
- PROPOSED UTILITY POC S

**CONSTRUCTION NOTES**

- 1 PROPOSED 4" PVC SEWER POC, SEE PLUMBING FOR CONTINUATION.
- 2 PROPOSED 3" DOMESTIC WATER SERVICE POC, SEE PLUMBING FOR CONTINUATION.
- 3 PROPOSED 3" ROOF DRAIN POC, SEE PLUMBING FOR CONTINUATION TO BUILDING. SEE GRADING AND DRAINAGE PLAN FOR POC ELEVATIONS.
- 4 PROPOSED 1" NATURAL GAS POC, SEE PLUMBING FOR CONTINUATION.
- 5 PROPOSED 8" PVC FIRE SERVICE POC, SEE PLUMBING FOR CONTINUATION.
- 6 PROPOSED ELECTRICAL CONDUIT PER ELECTRICAL PLANS.
- 7 PROPOSED GAS VALVE.
- 8 PROPOSED GAS METER AND PRESSURE REDUCER, SEE PLUMBING PLANS FOR DETAILS.
- 9 CONNECT TO EXISTING GAS SERVICE LATERAL.
- 10 PROPOSED TRANSFORMER PER ELECTRICAL PLANS.
- 11 PROPOSED GENERATOR PER ELECTRICAL PLANS.
- 12 PROPOSED INLINE GATE VALVE PER UDACS PLATE NO. 30 AND 39.
- 13 PROPOSED FIRE DEPARTMENT CONNECTION 3'x3' PAD.
- 14 PROPOSED FIRE DEPARTMENT CONNECTION.
- 15 PROPOSED 8" BACKFLOW PREVENTOR FOR FIRE SERVICE. BACKFLOW SHALL BE WATTS 957 REDUCED PRESSURE DETECTOR ASSEMBLY.
- 16 PROPOSED 4" COLT 400N REDUCED PRESSURE PRINCIPLE ASSEMBLY.
- 17 BORE UTILITY UNDER EXISTING WALL FOOTING.
- 18 PROPOSED 10'x15' EASEMENT TO THE LAS VEGAS VALLEY WATER DISTRICT FOR DOMESTIC WATER SERVICE METER AND BACKFLOW.
- 19 PROPOSED 10'x15' EASEMENT TO THE LAS VEGAS VALLEY WATER DISTRICT FOR FIRE SERVICE BACKFLOW.
- 20 ENCASE PIPE PER USDOCA DWG. NO. 505 (CONCRETE ENCASEMENT DETAIL). EXTEND ENCASEMENT 2' BEYOND SEWER CROSSING IN EITHER DIRECTION.

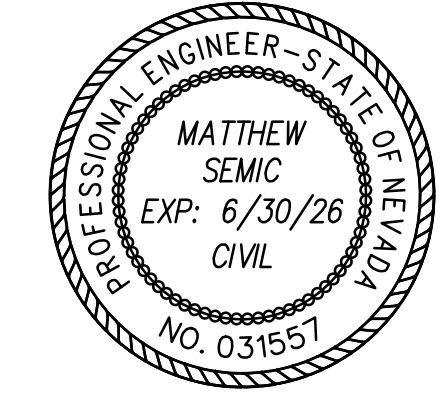


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KEY PLAN

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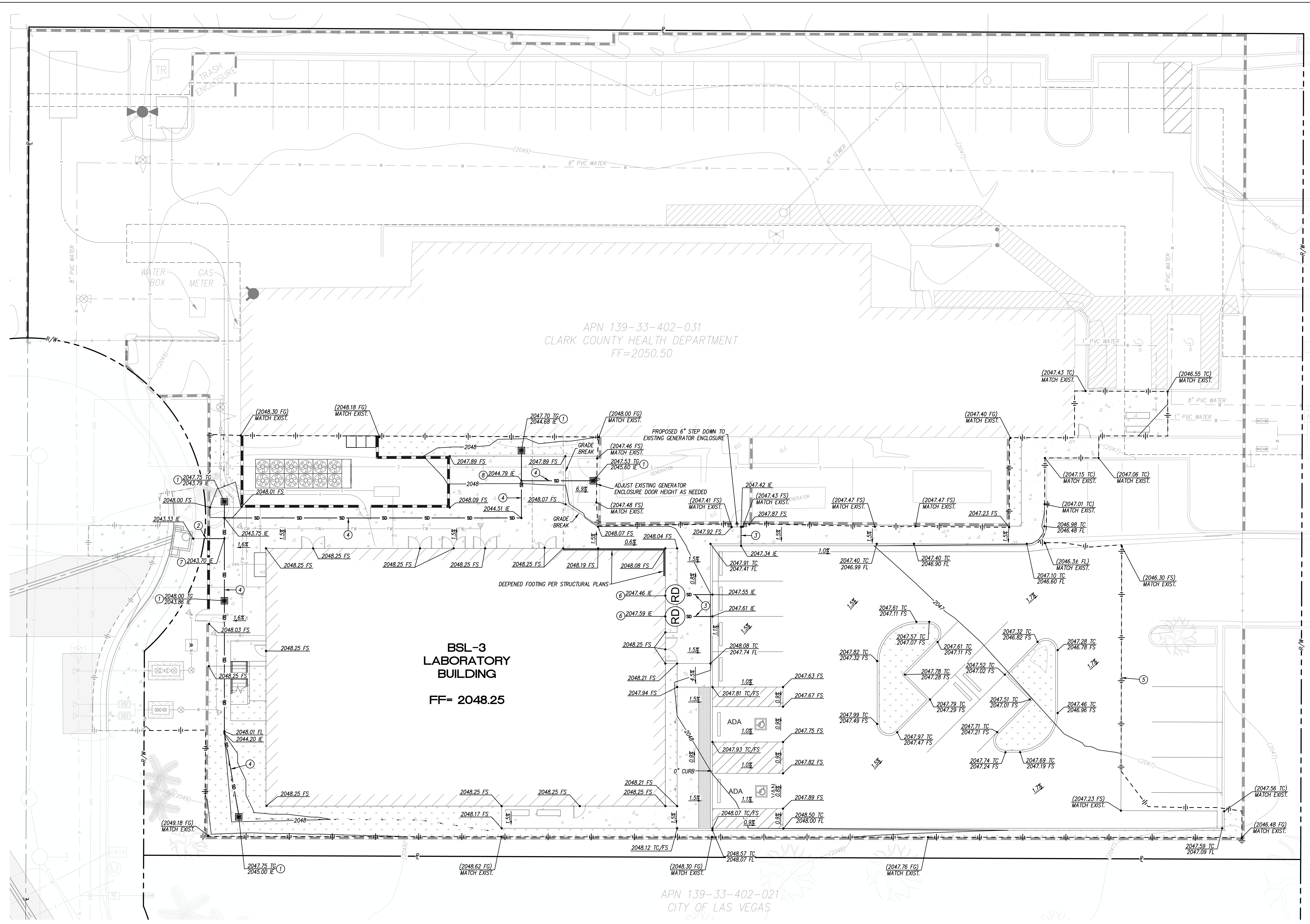
Southern Nevada Health District  
700 South M.L.K. Blvd  
Las Vegas, NV 89106

DRAWN BY: PU, KC, MM DATE: 10/11/2024

PROJECT NO.: 20230523 SCALE: NOTED

DRAWING NAME: UTILITY PLAN

FLOOR/SECTION PHASE: DRAWING NO. C-301



APN 139-33-402-031  
CLARK COUNTY HEALTH DEPARTMENT  
FF=2050.50

BSL-3  
LABORATORY BUILDING  
FF= 2048.25

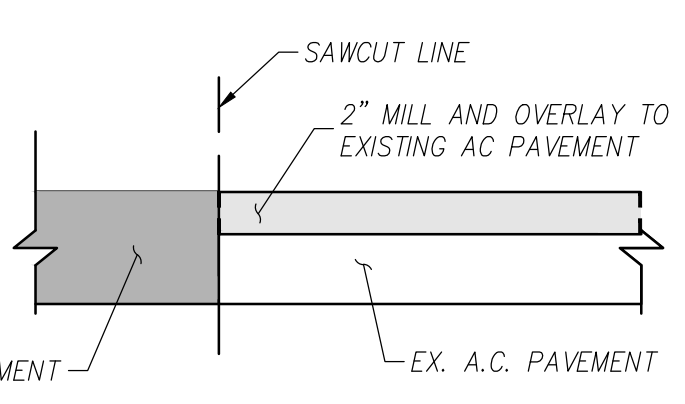
APN 139-33-402-021  
CITY OF LAS VEGAS

**GRADING AND STORM DRAIN NOTES**

- PROPOSED CATCH BASIN INLET
- PROPOSED STORM DRAIN
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- GRADING LIMITS

**GRADING AND STORM DRAIN NOTES**

- 1 PROPOSED CATCH BASIN PER DETAIL 6, SHEET C-501.
- 2 PROPOSED 8" PVC STORM DRAIN AT 1.0% MIN. SLOPE.
- 3 PROPOSED 3" SIDEWALK DRAIN PIPE PER DETAIL 7, SHEET C-501.
- 4 PROPOSED 6" PVC STORM DRAIN AT 1.0% MIN. SLOPE.
- 5 PROPOSED SAWCUT LINE AND EDGE OF GRADING IMPROVEMENTS, SEE SECTION A-A THIS SHEET.
- 6 PROPOSED ROOF DRAIN POINT OF CONNECTION, SEE PLUMBING PLAN FOR CONTINUATION.
- 7 PROPOSED 6"x6"x8" TEE.
- 8 PROPOSED 6"x6"x6" TEE.



SECTION A-A  
NTS

**ESTIMATED EARTHWORK QUANTITIES**

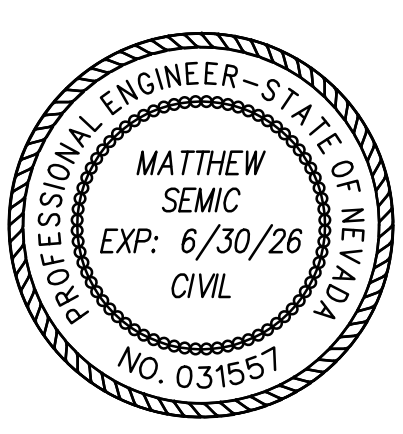
EARTHWORK COMPARISON:	
EXISTING:	EXISTING FINISHED GRADE
PROPOSED:	PROPOSED FINISH SURFACE
CUT:	47 CY
FILL:	310 CY
<b>NET EARTHWORK: 263 CY (IMPORT)</b>	

- NOTES:**
- THE ESTIMATED QUANTITIES ARE TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY.
  - ESTIMATED EARTHWORK IS BASED ON DESIGN FINISHED GRADES TO EXISTING FINISHED GRADES AND/OR CONTOURS AS PROVIDED ON THE BASE SURVEY. THE ESTIMATED EARTHWORK DOES NOT ACCOUNT FOR THE THICKNESS OF PAVEMENTS, FOUNDATIONS AND SLABS ON GRADE, FOOTINGS, UTILITY SPILLS, DETENTION BASINS, LANDSCAPE STRUCTURAL SOILS, CLEARING AND GRUBBING, EXISTING PAVEMENT/LANDSCAPE REMOVAL, EXISTING FOOTING REMOVAL, OVEREXCAVATION AND RECOMPACTION, AND CONSTRUCTION MEANS AND METHODS.
  - THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE AND/OR EXPANSION FACTORS DUE TO COMPACTION OR OVER EXCAVATION QUANTITIES.
  - ESTIMATED EARTHWORK QUANTITIES ASSUME THAT ALL ONSITE MATERIALS ARE SUITABLE FOR BACKFILLING, HOWEVER, ACTUAL EXISTING ON SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL OR REPLACEMENT.

KEY PLAN

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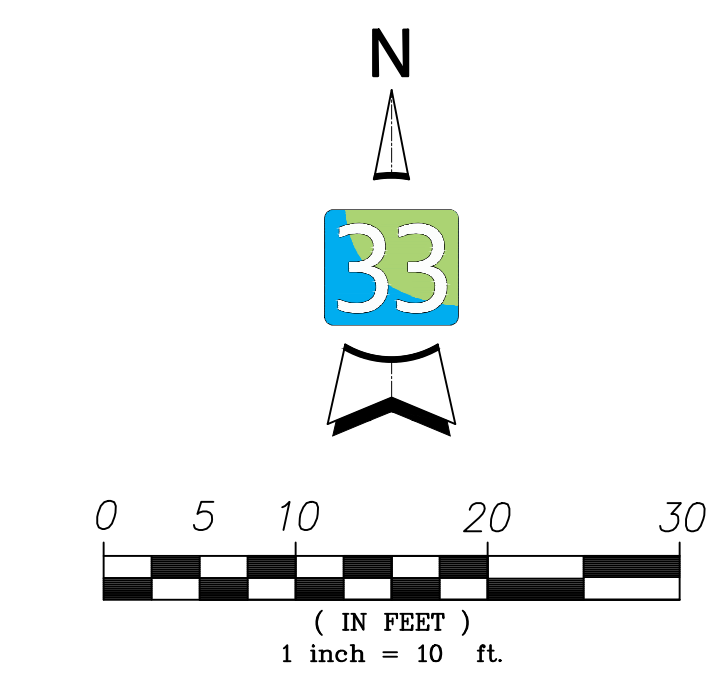
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DRAWN BY: P.U. K.C. MM DATE: 10/11/2024

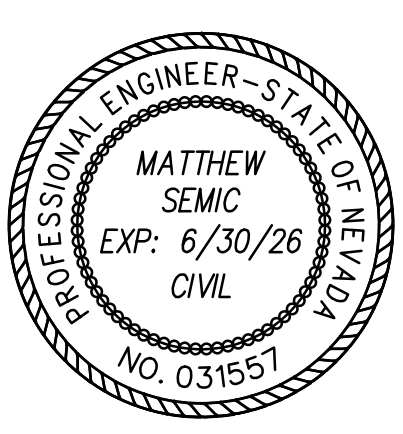
PROJECT NO.: 20230523 SCALE: NOTED

DRAWING NAME: GRADING AND STORM DRAIN PLAN

FLOOR/SECTION PHASE: DRAWING NO.: C-401



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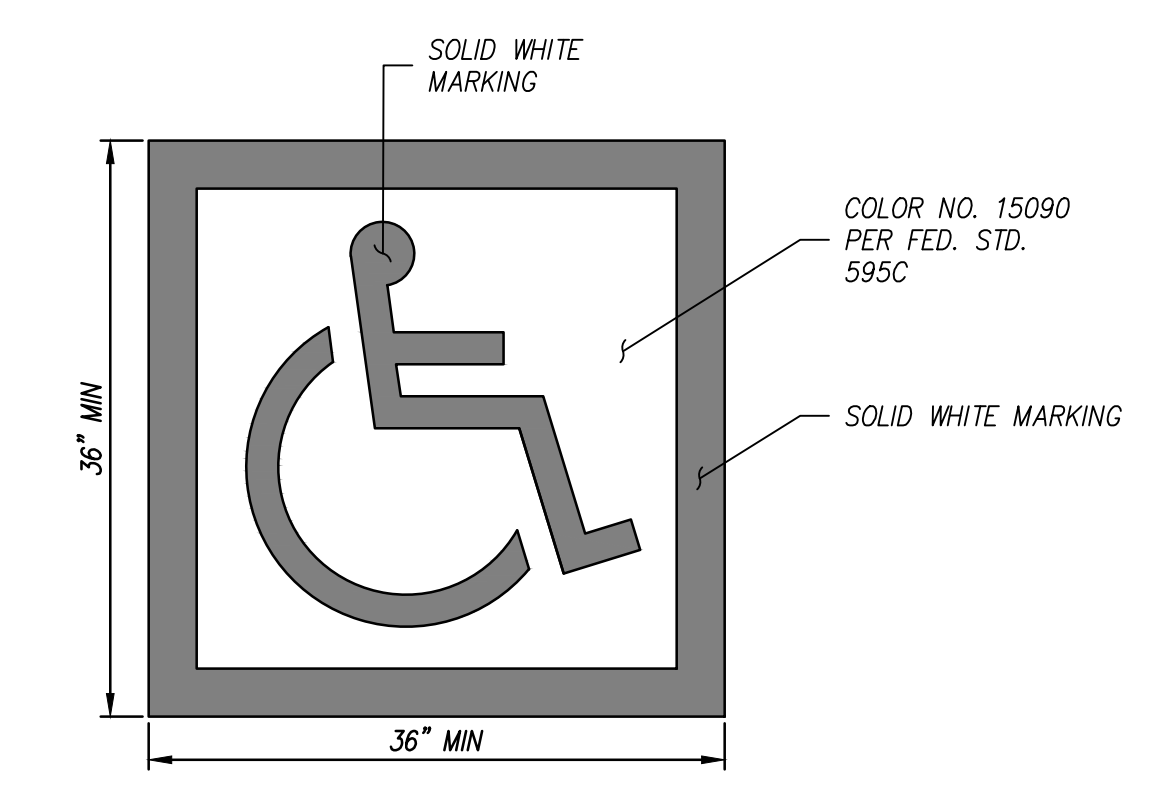
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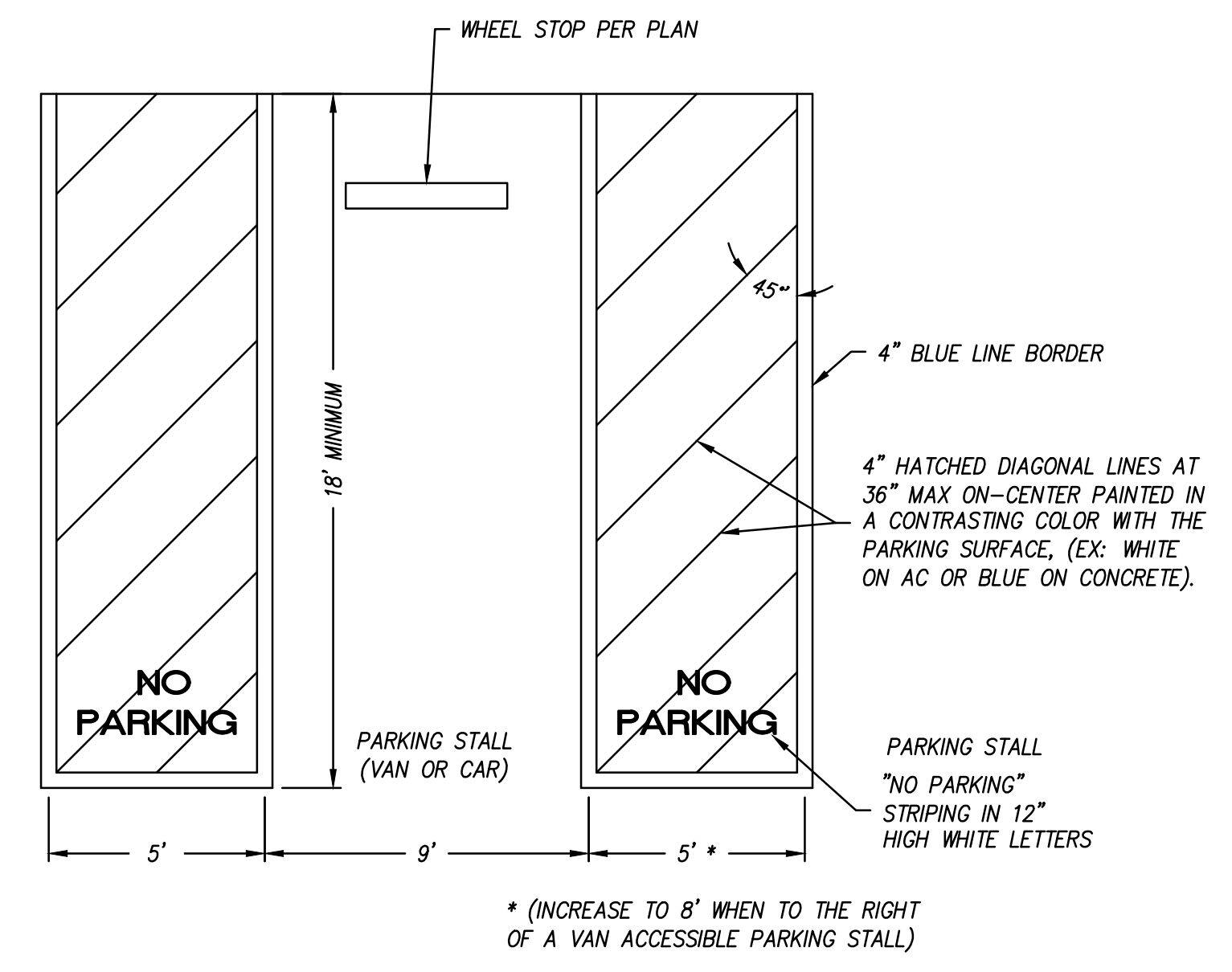
DRAWING NAME: CIVIL DETAILS

FLOOR/SECTION PHASE: DRAWING NO. C-501



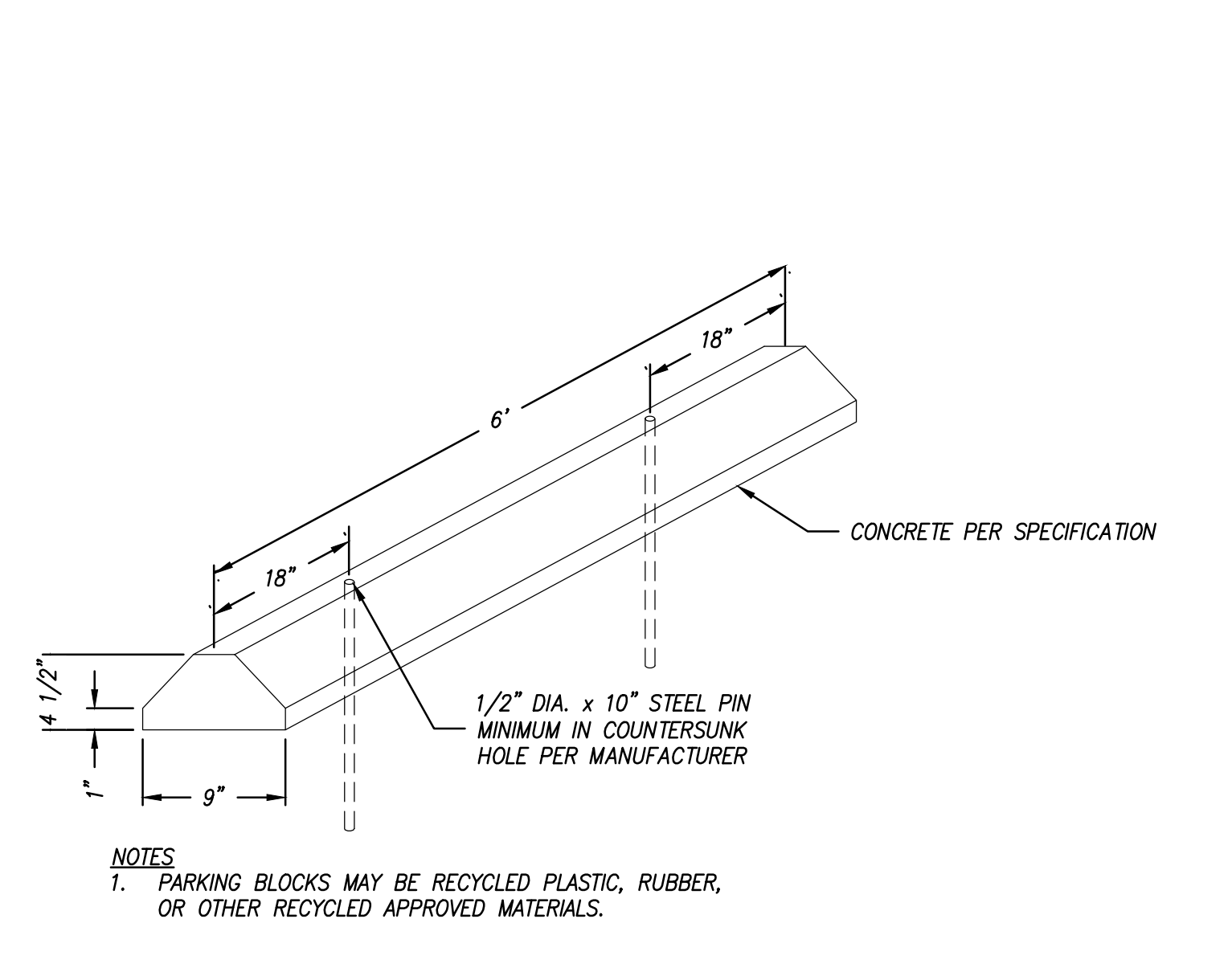
**ACCESSIBLE PARKING ISA MARKING**  
NTS

NOTE: ISA (INTERNATIONAL SYMBOL OF ACCESSIBILITY) SHALL BE PAINTED AT THE END OF PARKING STALLS AND BE CENTERED HORIZONTALLY IN THE STALL WIDTH.



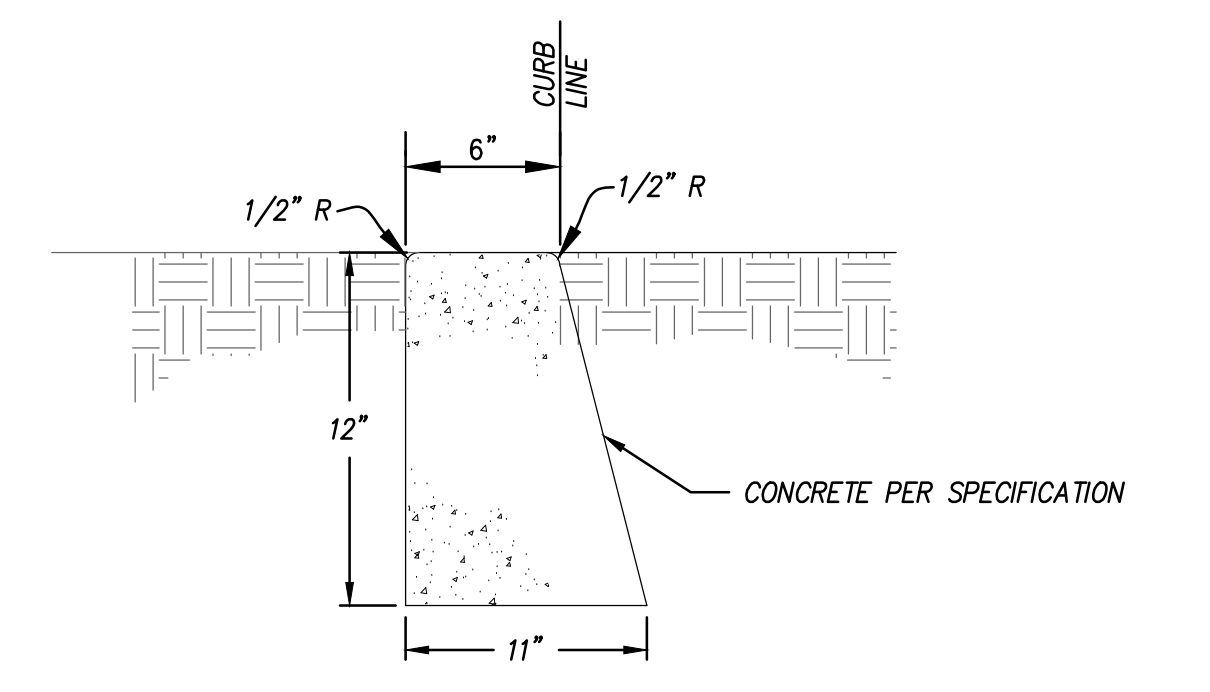
**ACCESS AISLE STRIPING**  
NTS

NOTE: \* (INCREASE TO 8' WHEN TO THE RIGHT OF A VAN ACCESSIBLE PARKING STALL)

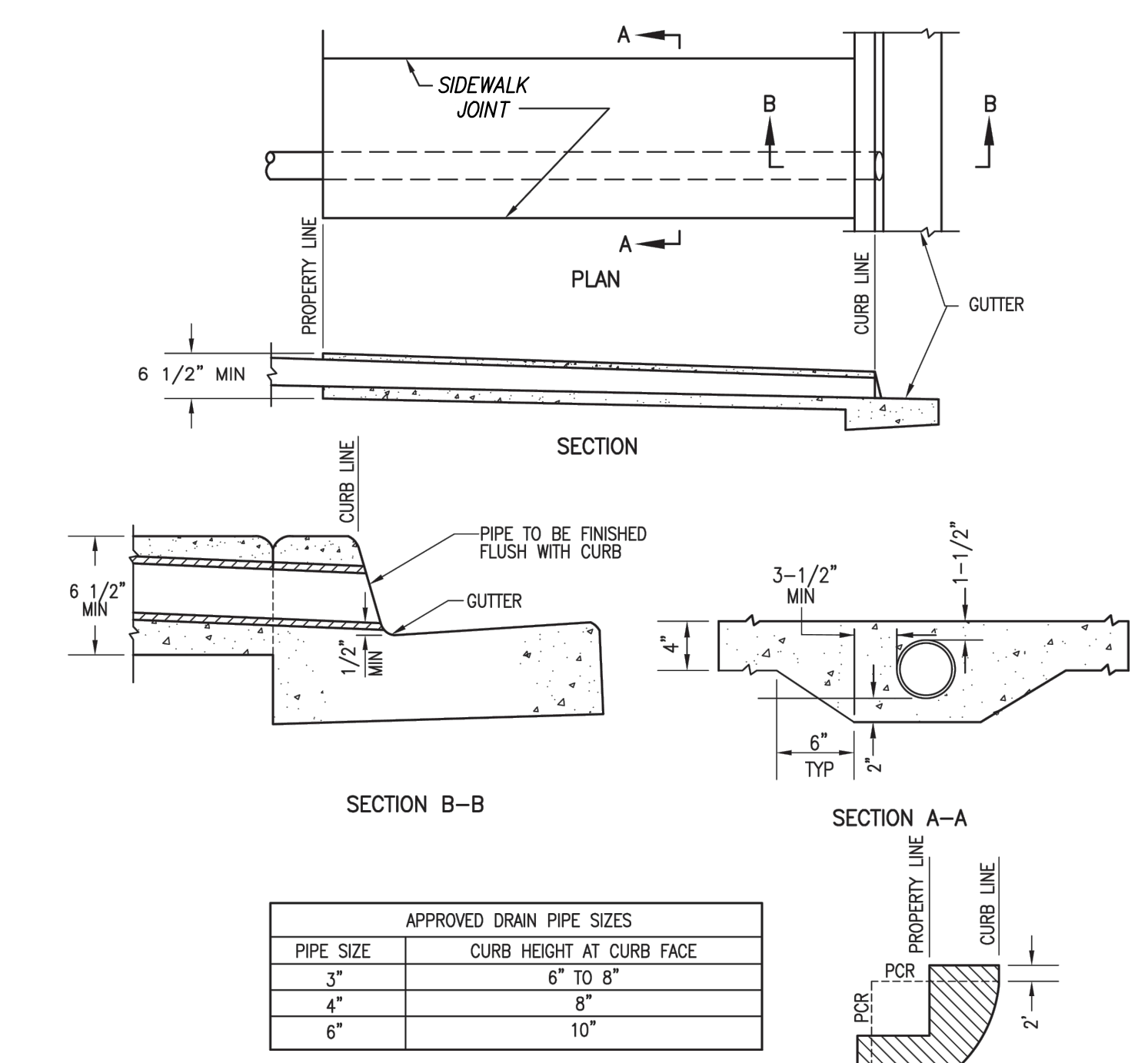


**WHEEL STOP**  
NTS

NOTE: 1. PARKING BLOCKS MAY BE RECYCLED PLASTIC, RUBBER, OR OTHER RECYCLED APPROVED MATERIALS.



**0" CURB**  
NTS



**SIDEWALK DRAIN PIPE**  
NTS

PIPE SIZE	CURB HEIGHT AT CURB FACE
3"	6" TO 8"
4"	8"
6"	10"

NOTE: 1. PIPE SHALL BE ONE CONTINUOUS LENGTH FROM PROPERTY LINE TO CURB LINE.  
2. MULTIPLE PIPES TO BE SET A MINIMUM DISTANCE OF D/2 APART (3 MAX).  
3. CONCRETE SHALL MATCH SIDEWALK CONCRETE PER USDOCA DWG. NO. 234.  
4. PIPE SHALL BE CIRCULAR RIBBED PLASTIC OR APPROVED EQUAL.  
5. CORING OF EXISTING CURB MAY BE USED AS AN ALTERNATIVE.  
6. PROVIDE 1/4" TOOLED GROOVE IN TOP SLAB IN LINE WITH BACK OF ADJACENT CURB.

**1212 CAST IRON GRATE**  
PARKWAY ONLY 28 lbs.

**1212 STEEL GRATES**  
PARKWAY 16 lbs.  
TRAFFIC 18 lbs.

**1212 STEEL COVER**  
PARKWAY 22 lbs.  
TRAFFIC 25 lbs.

**1212 TOP SECTION (WITH GALVANIZED FRAME)**

**1212 LOWER SECTION (NO FRAME)**  
NOTE: USE 12", 18", 24", 28" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

**1212 BASE**  
WT. 165 lbs.

NOTE: 1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED  
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC  
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC  
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUT
1212 T6	6"	170	NONE
1212 T12	12"	275	(4) 5" x 10"
1212 T18	18"	270	(4) 8" x 12"
1212 T24	24"	430	(4) 8" x 15"
1212 T28	28"	380	(4) 8" x 22"

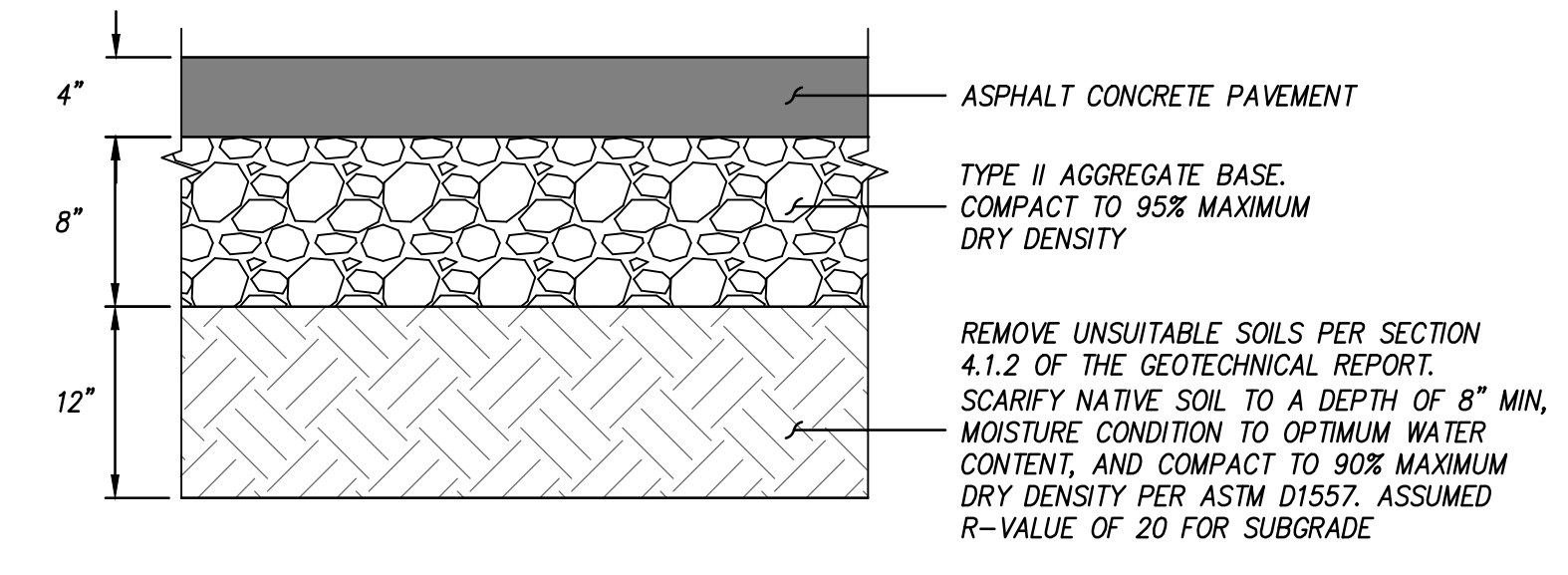
EXTENSION SECTION	HT.	LBS	KNOCK-OUT
1212 E6	6"	170	NONE

LOWER SECTION	HT.	LBS	KNOCK-OUT
1212 L12	12"	275	(4) 5" x 10"
1212 L18	18"	270	(4) 8" x 12"
1212 L24	24"	430	(4) 8" x 15"
1212 L28	28"	380	(4) 8" x 22"

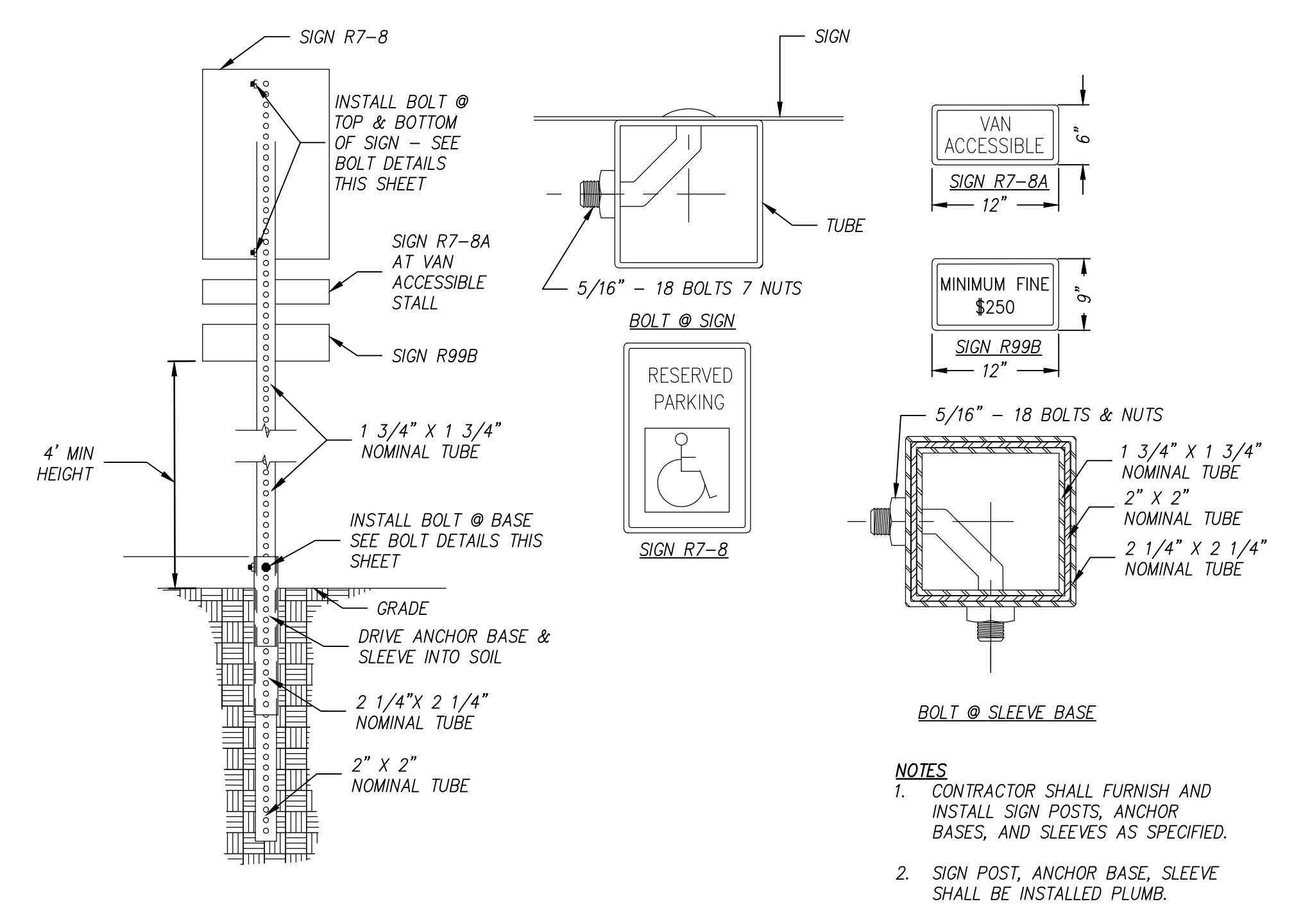
**12" x 12" CATCH BASIN**  
JENSEN PRECAST EST. 1968  
BROOKS 1212 CB

NOTE: PIPE MUST EXIT OUT OF SIDE OF BOX  
FILL BOX BOTTOM WITH CONCRETE FROM IE IN TO IE OUT TO AID IN VECTOR CONTROL

**12"x12" CATCH BASIN**  
NTS



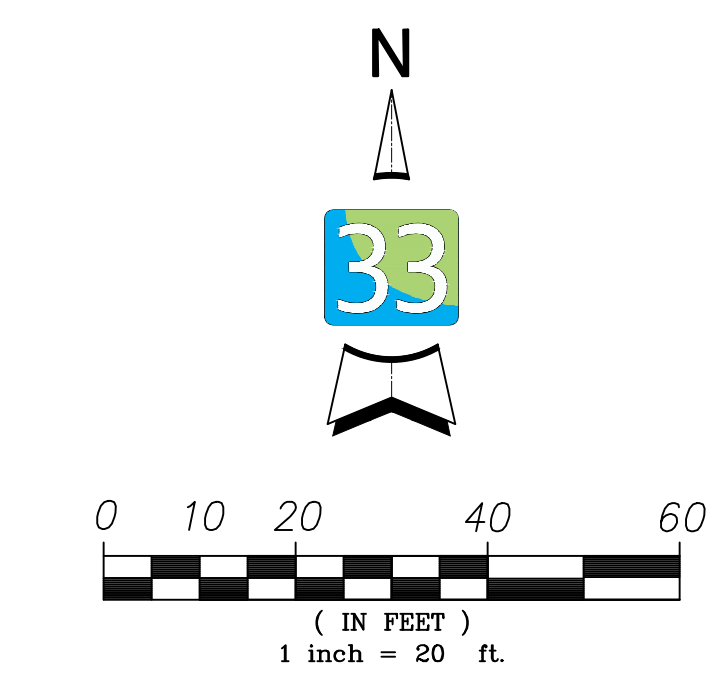
**ASPALT CONCRETE SECTION**  
NTS



**ACCESSIBLE SIGNAGE**  
NTS

NOTE: 1. CONTRACTOR SHALL FURNISH AND INSTALL SIGN POSTS, ANCHOR BASES, AND SLEEVES AS SPECIFIED.  
2. SIGN POST, ANCHOR BASE, SLEEVE SHALL BE INSTALLED PLUMB.

**SWALE**  
NTS



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