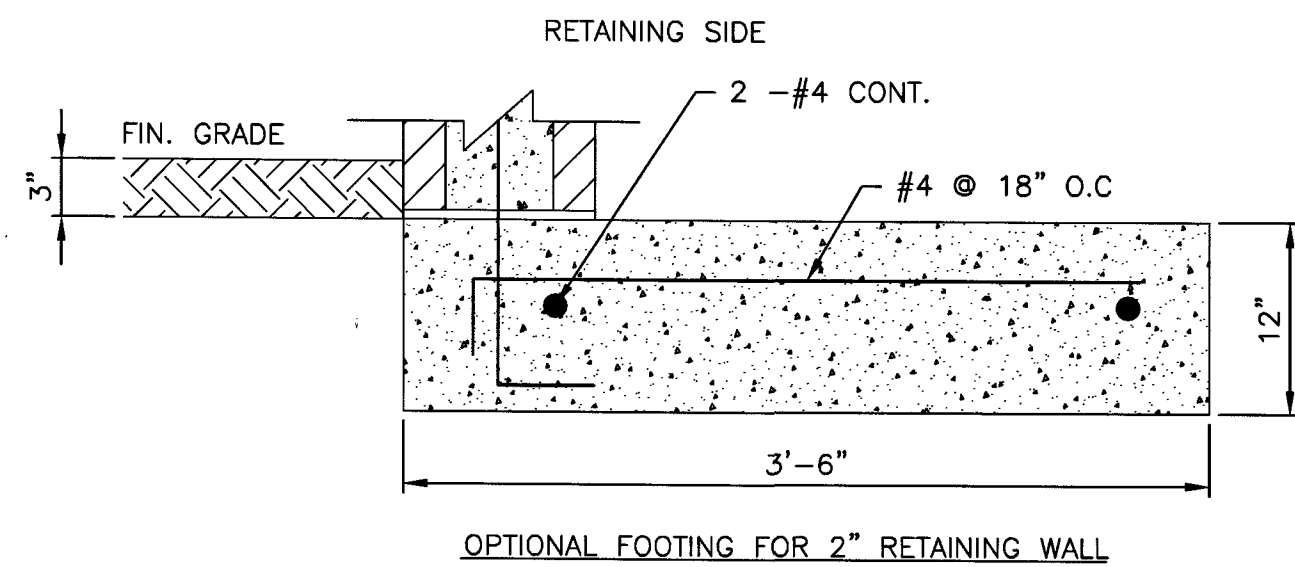
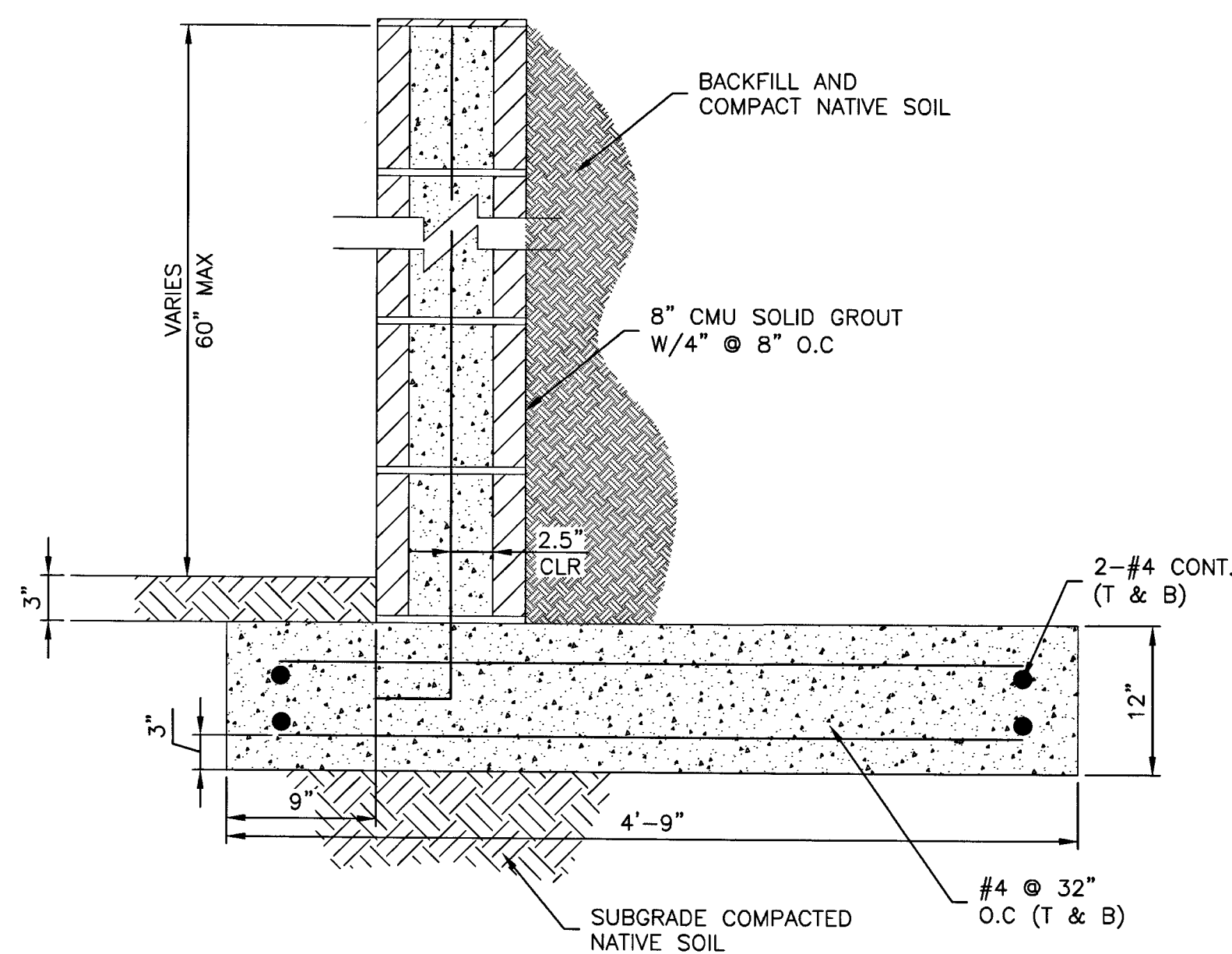


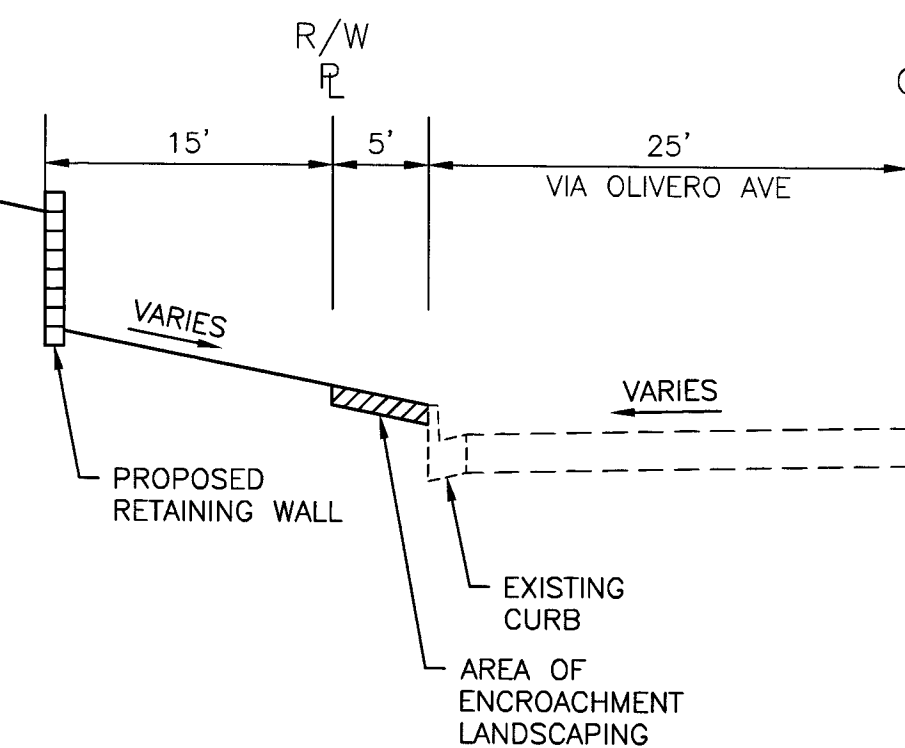
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- NOTES:
1. FOR INSPECTION, NOTES, CRITERIA, REFER TO THE SNBO B-100-1.

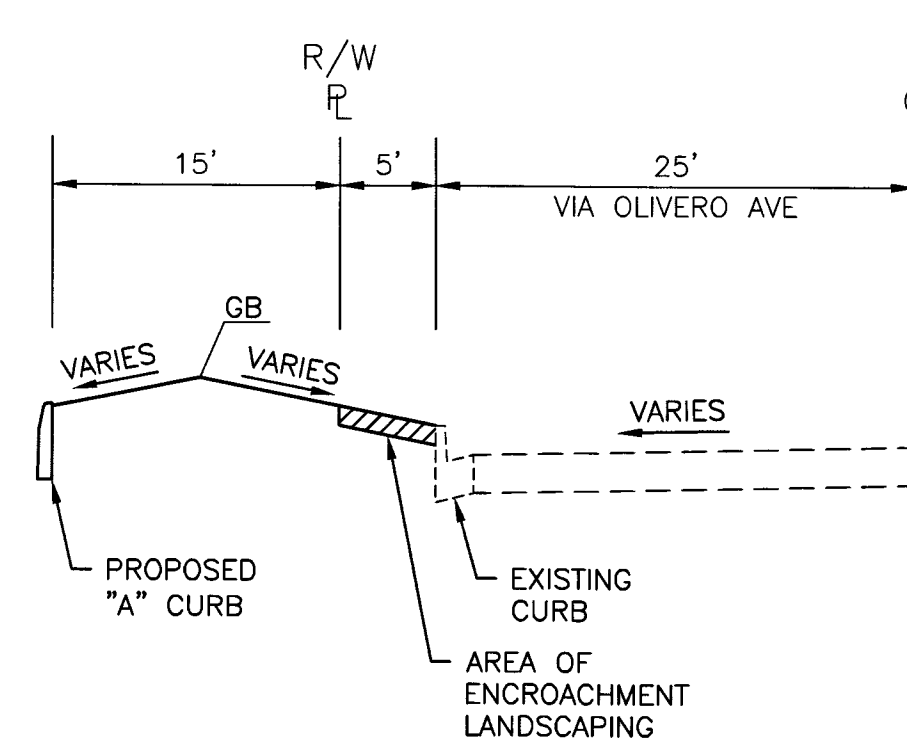
MASONRY RETAINING WALL
NTS

5
CD4



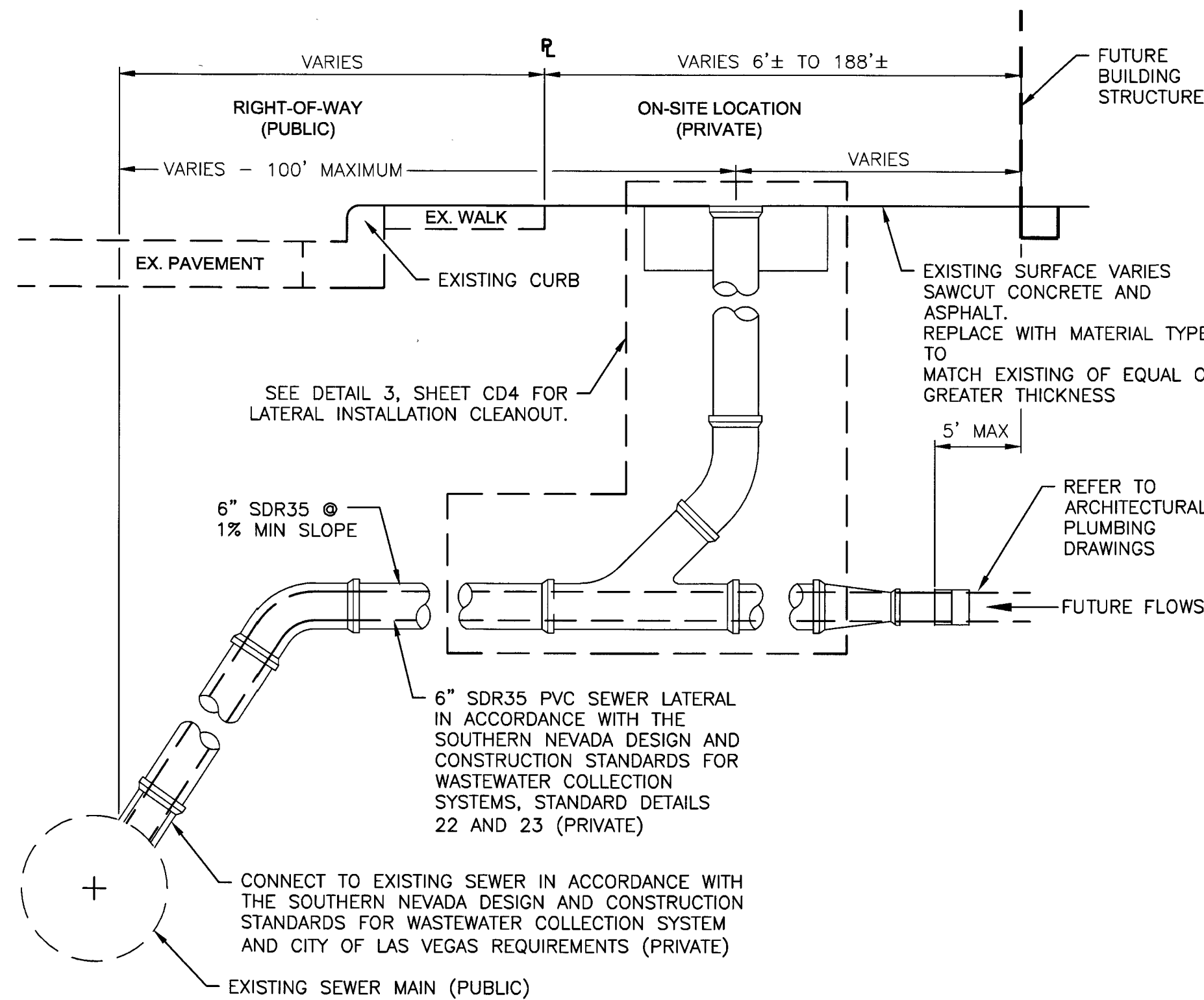
VIA OLIVERO AVE (PUBLIC)
NTS

7
CD4



VIA OLIVERO AVE (PUBLIC)
NTS

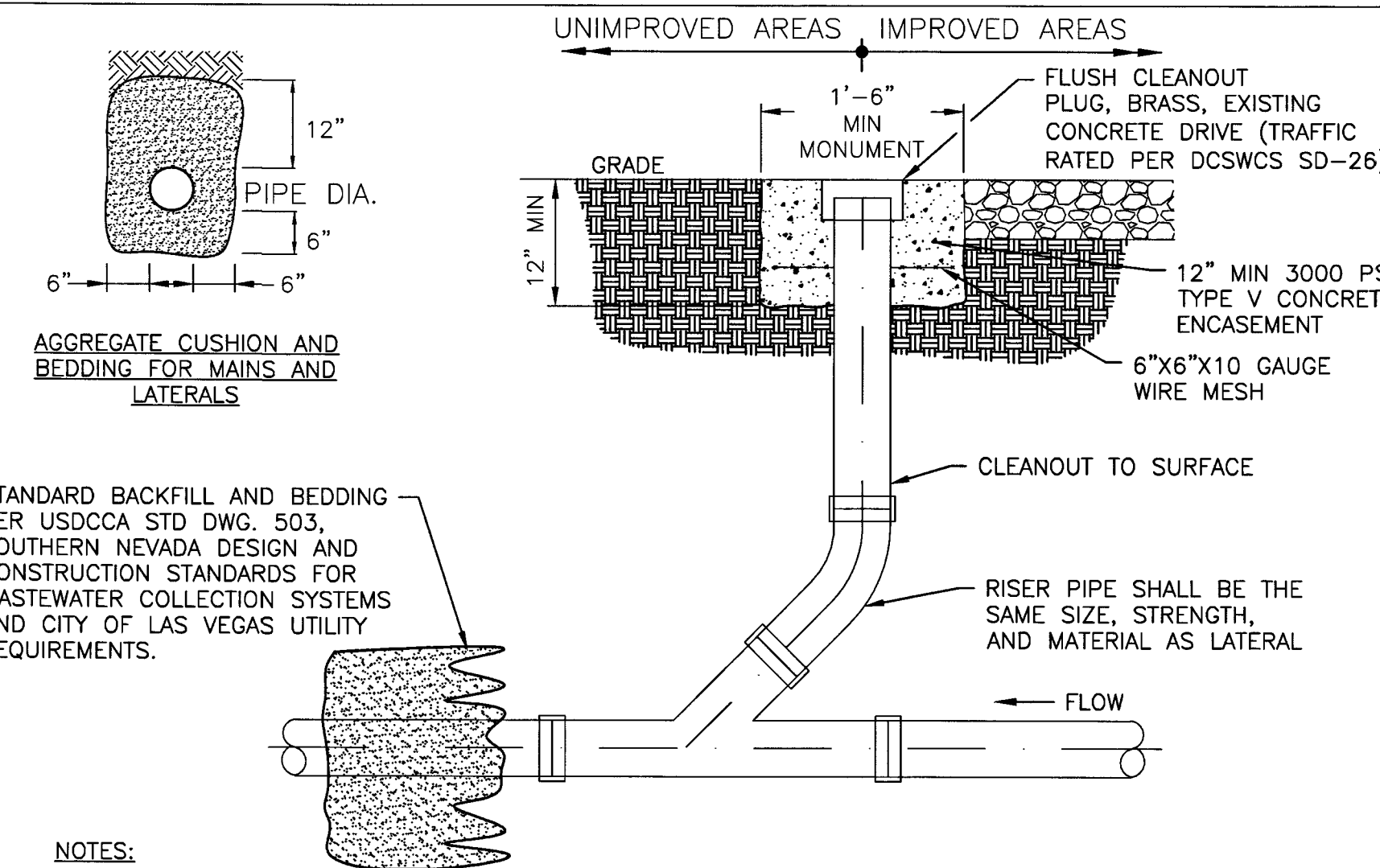
6
CD4



- NOTES:
1. TRENCHES ARE TO BE EXCAVATED AND BACKFILLED IN ACCORDANCE WITH REGIONAL TRANSPORTATION COMMISSION STANDARD DRAWINGS 503 AND 505, LATEST EDITION, AS WELL AS SOUTHERN NEVADA DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEM, LATEST EDITION, AND JURISDICTION AGENCY UTILITY REQUIREMENTS.
 2. PAVEMENT IN THE PUBLIC RIGHT-OF-WAY TO BE RESTORED IN ACCORDANCE WITH REGIONAL TRANSPORTATION COMMISSION STANDARD DRAWING 500.5, LATEST EDITION.
 3. ALL WORK AND CONNECTIONS MUST BE INSPECTED BY A REPRESENTATIVE OF THE JURISDICTION AGENCY PRIOR TO COVERING.

TYPICAL SEWER LATERAL DETAIL
NTS

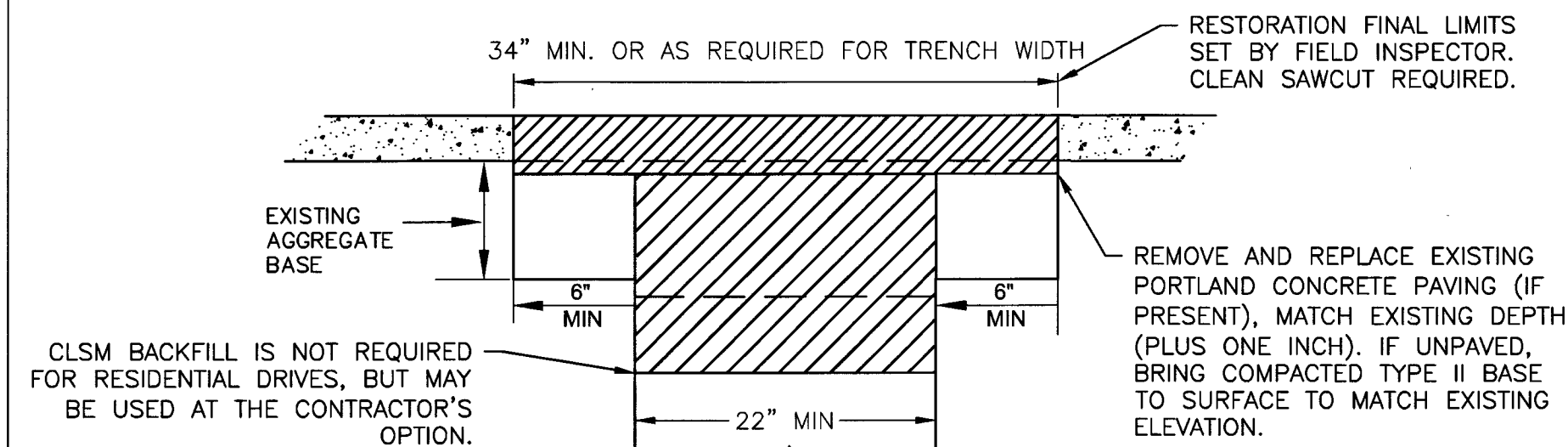
4
CD4



- NOTES:
1. DETAILS FOR CLEANOUTS IN PRIVATE, RESIDENTIAL LAWN OR NON-TRAFFIC AREAS ARE THE SAME EXCEPT THE CONCRETE ENCASEMENT MAY BE OMITTED.
 2. THE CLEANOUT SHOULD BE LOCATED NEXT TO THE CURB, IF NO CURB IS PRESENT NEAR THE SIDE OF THE ROAD, OR PRIOR TO THE LATERAL CONNECTING TO THE SEWER MAIN.
 3. ALL WORK AND CONNECTIONS MUST BE INSPECTED BY ENGINEER PRIOR TO COVERING.
 4. EACH SEWER RISER PIPE SHALL BE SEALED WITH A THREADED GASTIGHT CAP WHEN NOT IN USE.
 5. THE LATERAL LINE FROM THE SEWER RISER PIPE TO THE SEWER LINE SHALL SLOPE AT LEAST 1/4 INCH PER FOOT. ALL JOINTS SHALL BE LEAK AND INSECT-PROOF

TYPICAL ON-SITE SEWER CLEANOUT
NTS

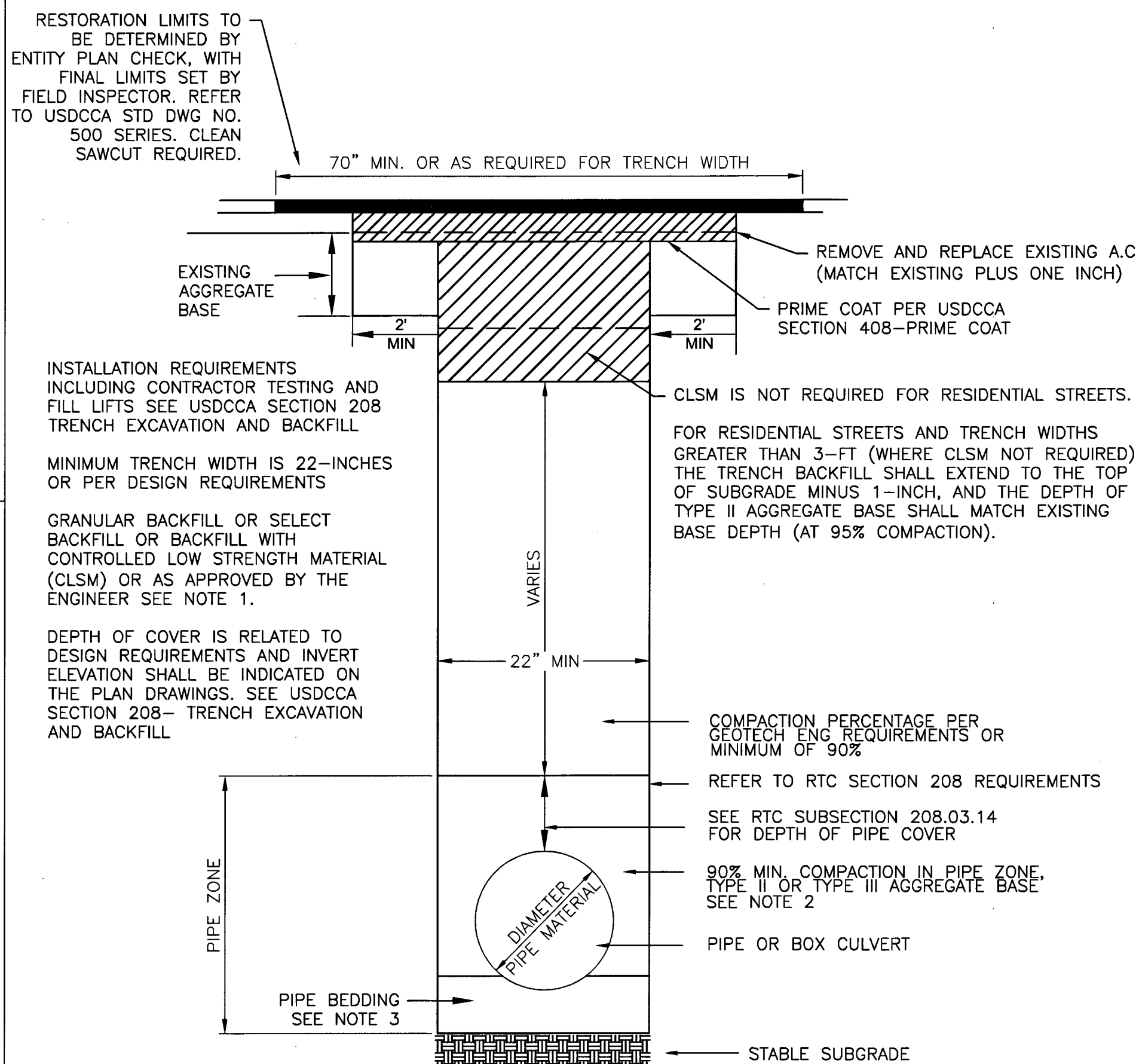
3
CD4



- CLSM BACKFILL IS NOT REQUIRED FOR RESIDENTIAL DRIVES, BUT MAY BE USED AT THE CONTRACTOR'S OPTION.
- FOR RESIDENTIAL DRIVES (WHERE CLSM NOT USED), THE TRENCH BACKFILL SHALL EXTEND TO THE TOP OF SUBGRADE MINUS ONE INCH, AND THE DEPTH OF TYPE II AGGREGATE VASE SHALL MATCH EXISTING BASE DEPTH (AT 95% COMPACTION).
- CLSM MINIMUM DEPTH (IF USED) 12" FOR RESIDENTIAL DRIVES.
- NOTES:
1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH
 2. TRENCH WIDTH, BEDDING, SUBGRADES AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATION SHALL CONFORM TO THE RESPECTIVE ENTITY REQUIREMENTS

TYPICAL ON-SITE TRENCH COMPLETION DETAIL
NTS

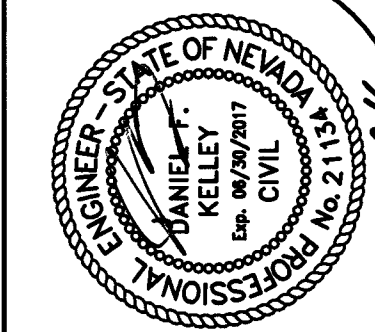
2
CD4



- NOTES:
1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH
 2. TRENCH WIDTH, BEDDING, SUBGRADES AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATION SHALL CONFORM TO THE RESPECTIVE AGENCY REQUIREMENTS
 3. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE USDCCA STD DWG NO. 505 FOR PIPE BEDDING METHODS
 4. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.
 5. PAVEMENT IN THE PUBLIC RIGHT-OF-WAY TO BE RESTORED IN ACCORDANCE WITH USDCCA STD DWG. 500.3 OR 500.4

TYPICAL OFF-SITE LATERAL TRENCHING DETAIL PER USDCCA STD DWG. 503
NTS

1
CD4



S&B CHRIST CONSULTING, LLC
DESERT GYMCATS
PROJECT NO: 402-15-001
CIVIL DETAILS 4

DESIGNED: HF
DETAILED: HF
CHECKED: DK
APPROVED: DK
DATE: October 2016

0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

HANSEN NO.
65920
10746746
SHEET
17 OF 17
CD4