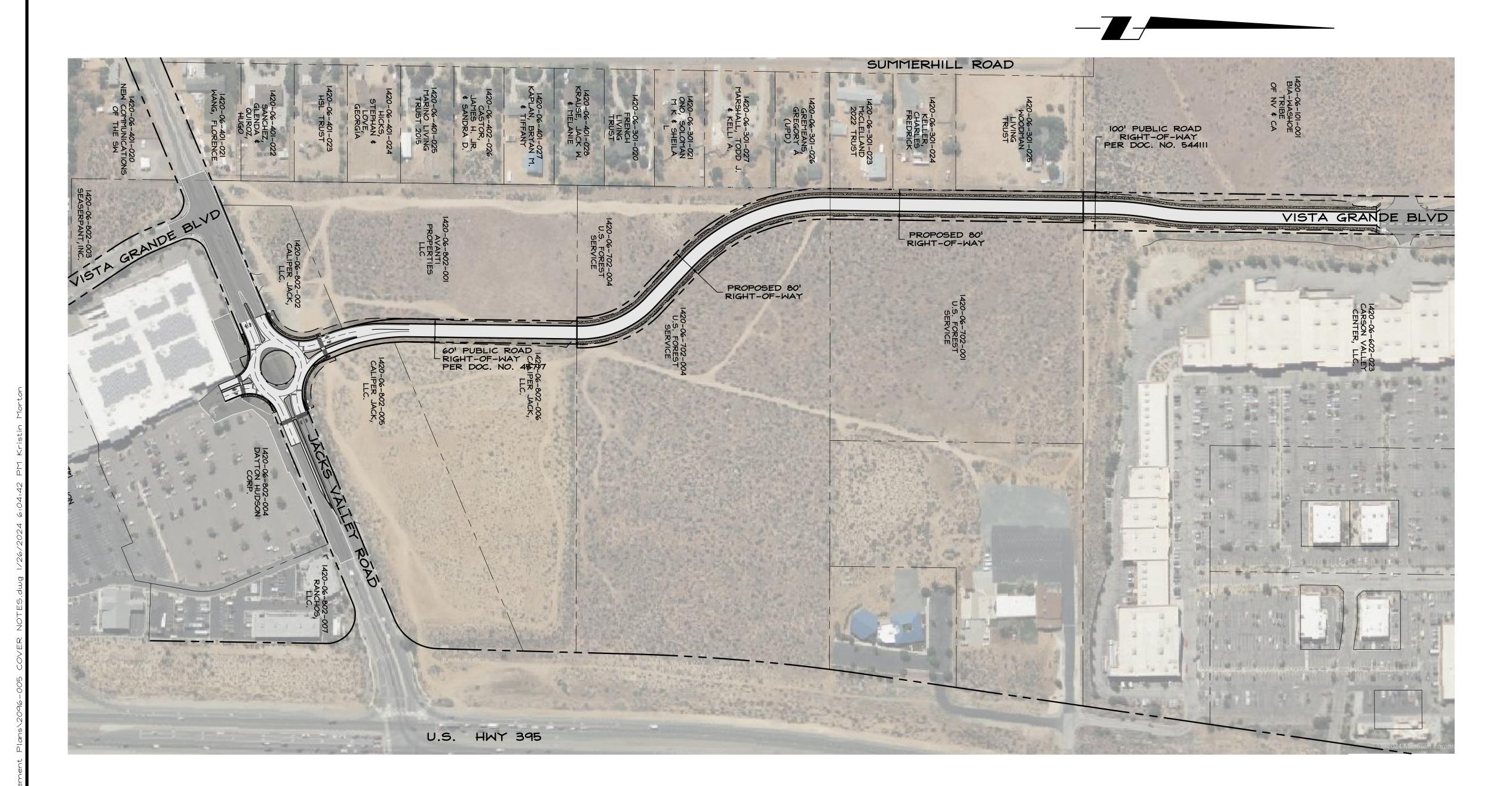
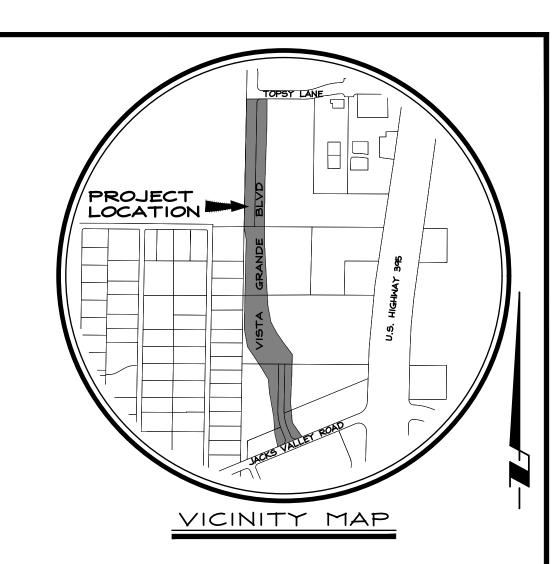
IMPROVEMENT PLANS FOR

VISTA GRANDE BOULEVARD (NORTH EXTENSION)

MINDEN, NEVADA





PROJECT SUMMARY

APN/OWNER: 1420-06-702-001 CONSOLIDATED PARTNER LLC 1420-06-702-004 CONSOLIDATED PARTNER LLC

ENGINEER: R.O. ANDERSON ENGINEERING, INC. P.O. BOX 2229 MINDEN, NEVADA 89423

(775) 782-2322

NING: COMMERCIAL

MASTER PLAN: GENERAL COMMERCIAL

FLOOD ZONE: ZONE D (PER PANEL 32005C0060G EFF. 1/20/2010)

PROPOSED ROADWAYS: 80' LOCAL ROAD

SHEET INDEX

CI - COVER SHEET

C2 - NOTES, ABBREVIATIONS & LEGEN

- EXISTING CONDITIONS & TEMPORARY EROSION CONTRO

C4 - PLAN & PROFILE JACKS VALLEY ROAD ROUND-A-BOUT

C6 - PLAN AND PROFILE STA. 14+00 TO 2

C7 - PLAN AND PROFILE STA. 27+00 TO 32+00

APPROVALS

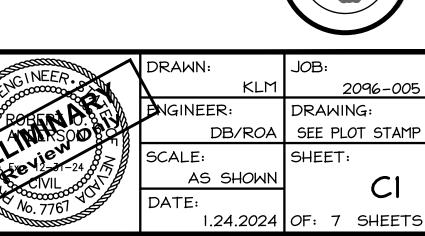
DOUGLAS COUNTY COMMUNITY DEVELOPMENT

EAST FORK FIRE PROTECTION DISTRICT

DAT



DOUGLAS COUNTY PUBLIC WORKS





ALL PUBLIC WATER MAIN MATERIALS SHALL BE PER SECTION 203.06 (DIP) OR 203.15 (PVC) OF THE

2. ALL NEW WATERLINES THAT REQUIRE SERVICE DISRUPTION IN ORDER TO CONNECT TO THE COUNTY SYSTEM SHALL REQUIRE A DAYTIME TIE-IN. THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO RESTORE UTILITY SERVICE AND FULLY OPEN THE TIE-IN AREA TO VEHICULAR

3. THE CONTRACTOR SHALL INSTALL A TEMPORARY PLUG OR VALVE ON A SECTION OF NEW WATER LINE TO TEST LINES BEFORE CONNECTING TO THE EXISTING PUBLIC WATER SYSTEM WHERE THERE IS

4. WATER LINE TEST SHALL BE CONDUCTED SO THAT EXISTING WATER LINES WILL NOT BE INCLUDED IN

5. THE REQUIRED BACKFLOW PREVENTION ASSEMBLY SHALL BE A MANUFACTURER AND MODEL DESIGNATED IN THE CURRENT "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES" AS PUBLISHED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH,

6. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED AND APPROVED BY A CERTIFIED

WATER MAIN SHUTDOWNS/INTERRUPTION OF SERVICE: WATER UTILITY APPROVAL IS REQUIRED FORTY-EIGHT (48) HOURS PRIOR TO NOTIFICATION OF CUSTOMERS. COMMERCIAL AND RESIDENTIAL CUSTOMERS SHALL BOTH RECEIVE FORTY-EIGHT (48) HOURS WRITTEN NOTICE OF A SHUTDOWN, AND SPECIAL ARRANGEMENTS MAY HAVE TO BE MADE TO ACCOMMODATE CUSTOMER'S OPERATIONAL NEEDS. THE WATER UTILITY IS RESPONSIBLE FOR THE NOTIFICATION WHEN WORK IS PERFORMED BY THE WATER UTILITY. THE CONTRACTOR IS RESPONSIBLE IN ALL OTHER A LIST SHALL BE KEPT BY THE RESPONSIBLE PARTY LISTING THE DATE, TIME, AND ADDRESS OF ALL PERSONS NOTIFIED. THE PERSON NOTIFIED SHALL BE INCLUDED ON THE LIST FOR ALL COMMERCIAL CUSTOMERS. THE CONTRACTOR WILL BE SUBJECT TO DAMAGE CLAIMS SHOULD THEY FAIL TO NOTIFY CUSTOMERS OR MAINTAIN DOCUMENTATION OF NOTIFICATION OF CUSTOMERS. THE CONTRACTOR SHALL NOT OPERATE

8. ALL WATER SERVICES 2" OR LESS SHALL BE CTS, PE PIPE (AWWA STANDARD C901); SERVICES 3"

9. LINE SEPARATION MUST MEET THE PROVISIONS OF NAC 445A.6715 THROUGH 445A.6718 IN ITS ENTIRETY, NDEP'S VERTICAL CROSSING SUMMARY, AND BE APPROVED BY STATE AND WATER

10. ALL HOT TAPS ARE TO BE PERFORMED BY A LICENSED CONTRACTOR APPROVED BY THE WATER UTILITY. THE CONTRACTOR SHALL CONTACT THE WATER UTILITY AT LEAST FORTY-EIGHT (48)

. WATER VALVE MARKERS SHALL BE BLUE CARSONITE UTILITY MARKER (CRM-3066), 5'-2" WITH WATER UTILITY'S DECAL OR APPROVED EQUAL. PLACE MARKER NO MORE THAN FIVE (5) FEET FROM

CERTIFICATE OF OCCUPANCY OR NOTICE OF COMPLETION BY THE WATER UTILITY ACCEPTING

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, OSHA REQUIREMENTS FOR EXCAVATION, AND SPECIAL REQUIREMENTS OF THE PERMIT. VIOLATIONS WILL RESULT

2. NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE COUNTY ENGINEERING INSPECTOR AT (775)

3. SLOPES SHALL BE NO STEEPER THAN 3 HORIZONTAL TO I VERTICAL, OR AS DETERMINED BY THE

. ALL GRADING SHALL BE IN CONFORMANCE WITH THE APPROVED GEOTECHNICAL REPORT PREPARED BY

5. FILLS SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS

INSPECTION REPORTS, ARRANGED IN CHRONOLOGICAL ORDER, AT THE COMPLETION OF THE PROJECT. THE ENGINEER OF RECORD SHALL PROVIDE THE COUNTY WITH AN OPINION REGARDING THE CONSTRUCTION

MY KNOWLEDGE, INFORMATION AND BELIEF, THE PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS, AND IN MY PROFESSIONAL OPINION, IS IN COMPLIANCE WITH APPLICABLE LAWS, CODES AND ORDINANCES.

7. FILL AREAS SHALL BE CLEARED OF ALL VEGETATION AND DEBRIS, SCARIFIED, AND BE APPROVED BY THE

8. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PROTECT ADJOINING PROPERTIES DURING CONSTRUCTION OF IMPROVEMENTS.

DUST SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY, AND IN

10. ALL STREETS SHALL BE MAINTAINED FREE OF DUST AND MUD CAUSED BY GRADING OPERATIONS. ALL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE STORMWATER DISCHARGE PERMIT FROM THE

13. THE DEVELOPER'S ENGINEER OR SURVEYOR SHALL SET GRADE STAKES FOR ALL DRAINAGE DEVICES AND THE CONTRACTOR SHALL OBTAIN INSPECTION BEFORE PLACING CONCRETE.

14. FINISHED GRADING WILL BE COMPLETED AND APPROVED, AND SLOPE PLANTING AND IRRIGATION SYSTEMS

15. NO ROCK OR SIMILAR MATERIAL GREATER THAN 4" IN DIAMETER SHALL BE PLACED IN THE FILL UNLESS

RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR REVIEW AND APPROVAL BY THE COUNTY. NO CHANGES IN THE DESIGN WILL BE PERMITTED UNLESS WRITTEN APPROVAL

b. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT APPROVED LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR DAMAGED EROSION CONTROL MEASURES.

FACILITIES. GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL

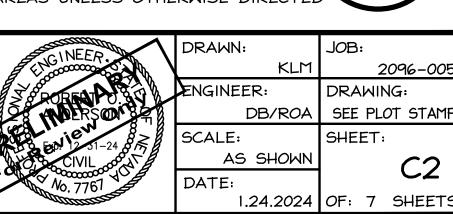
d. FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE

e. A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON

STORMWATER SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY AND IN ACCORDANCE WITH THE NEVADA DIVISION OF ENVIRONMENTAL

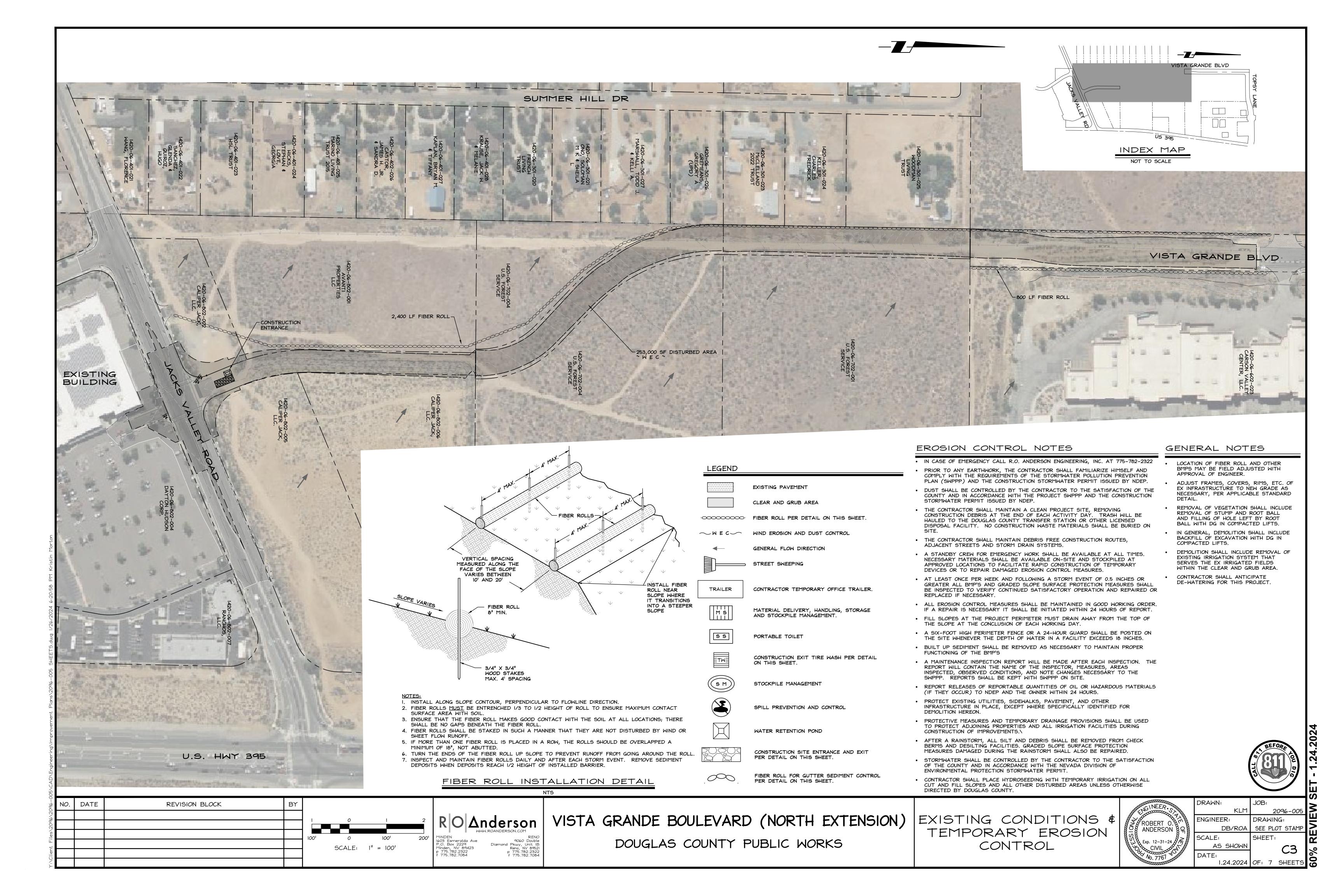
g. CONTRACTOR SHALL PLACE HYDROSEEDING WITH TEMPORARY IRRIGATION ON ALL

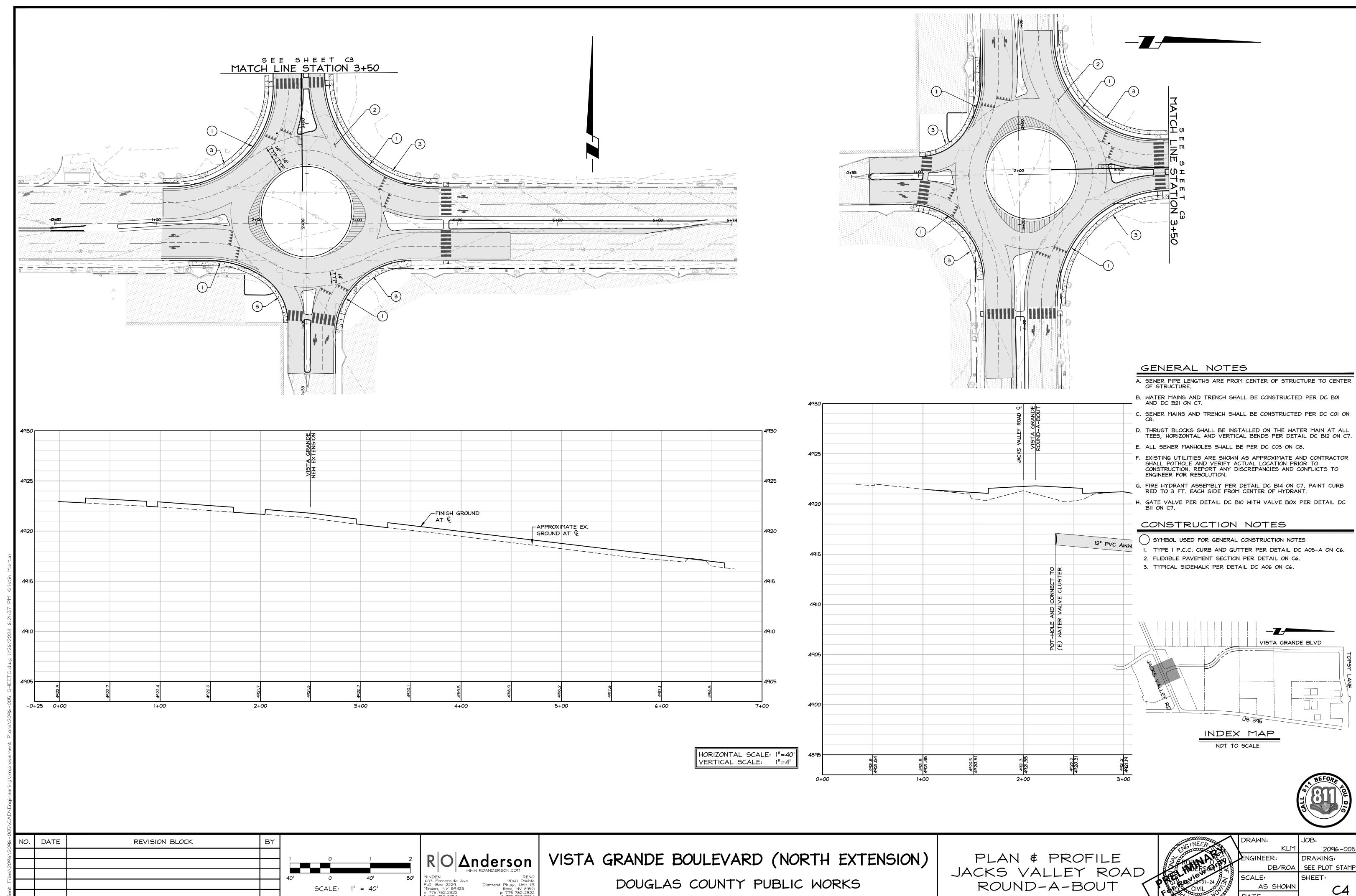
CUT AND FILL SLOPES AND ALL OTHER DISTURBED AREAS UNLESS OTHERWISE DIRECTED

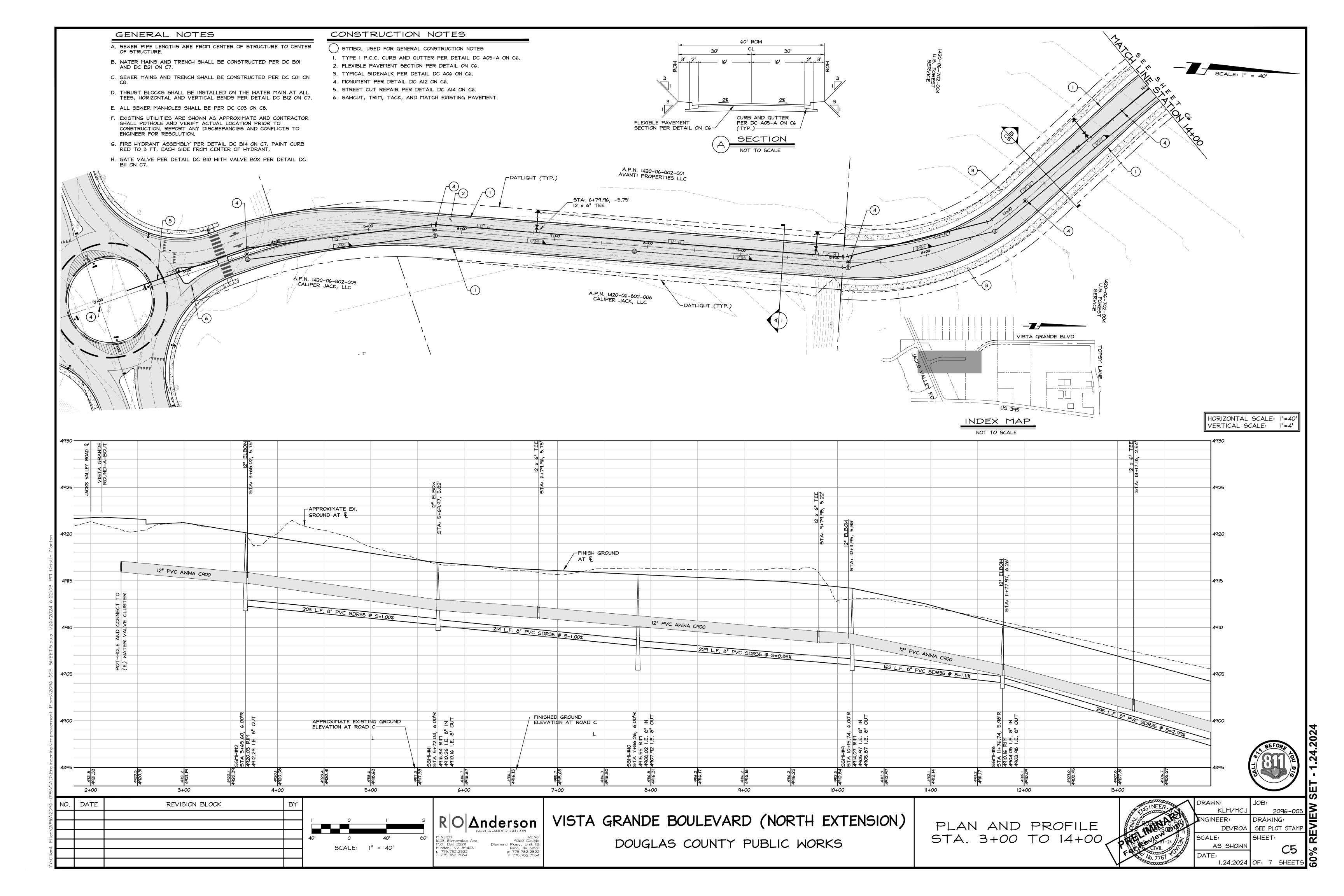


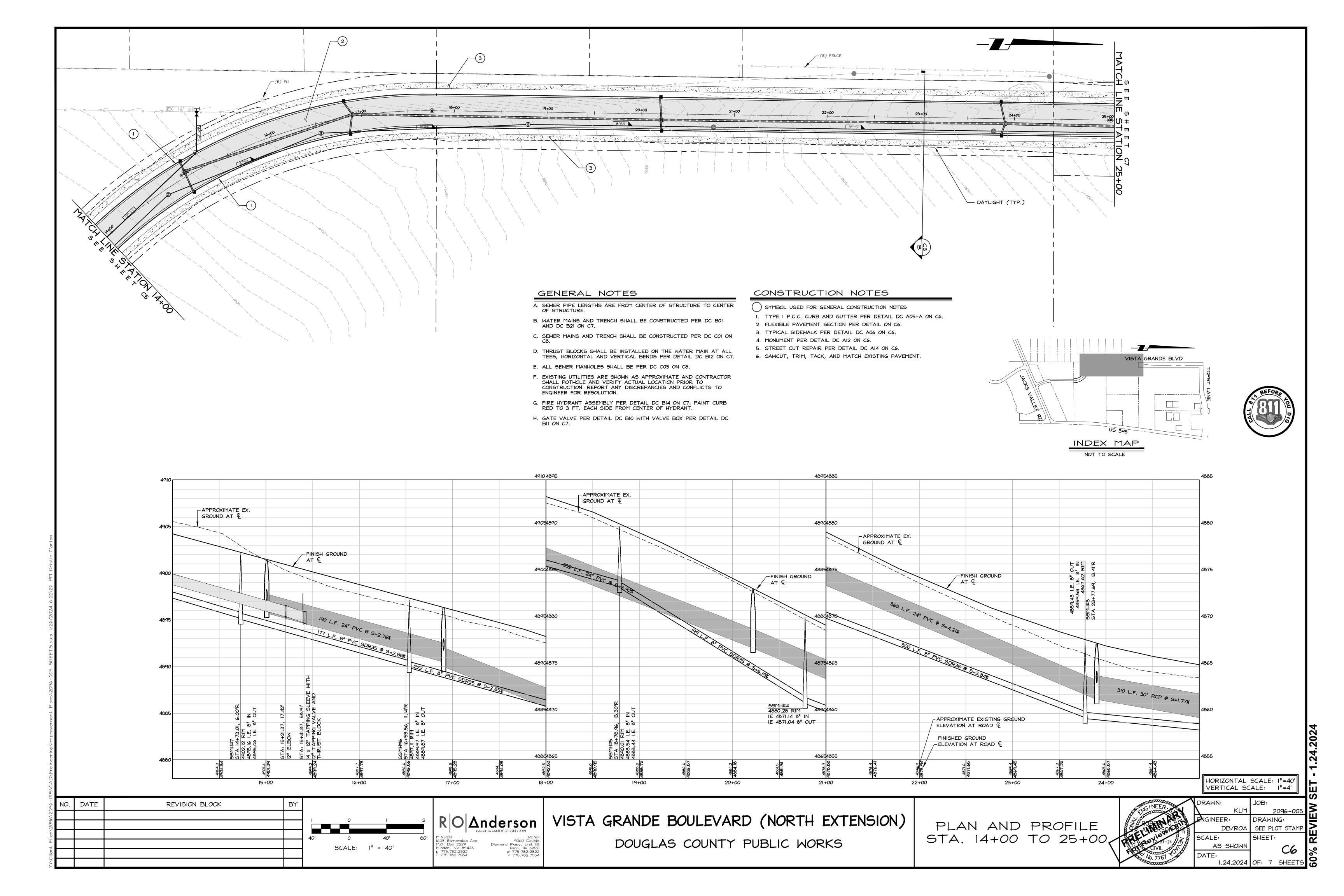
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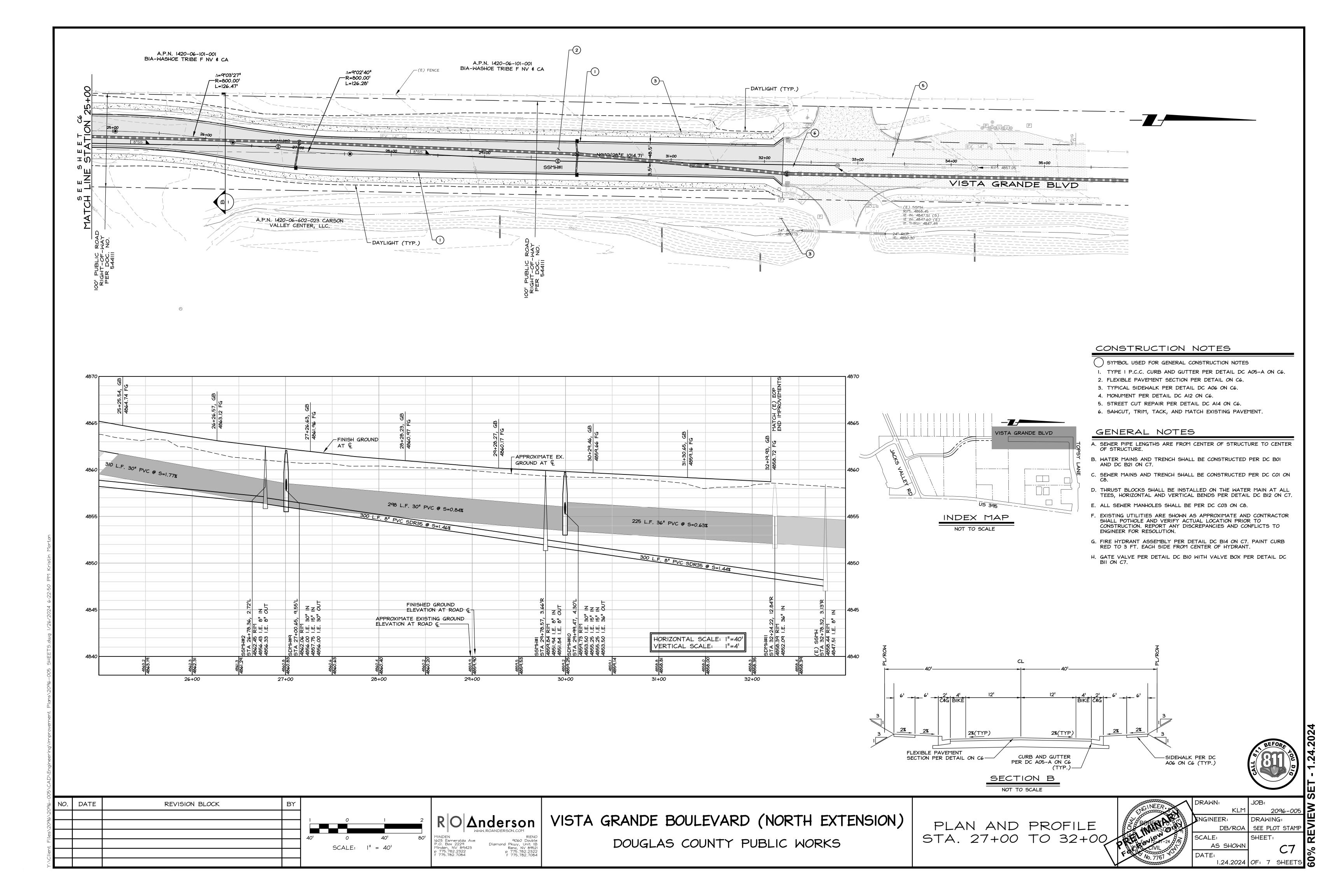
SHEETS

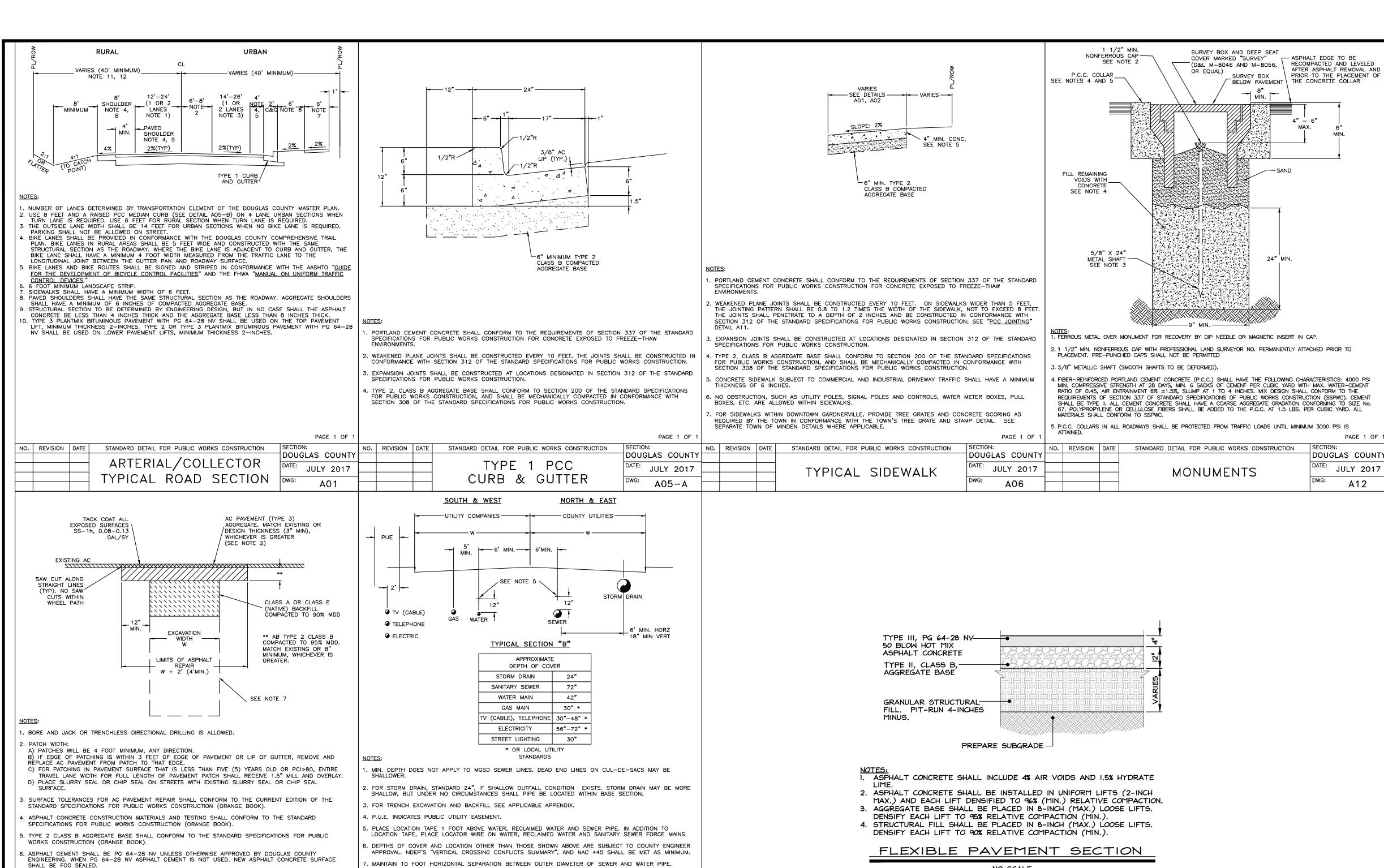




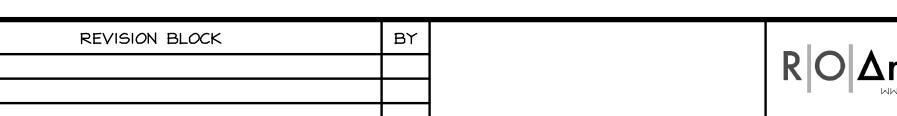








NO SCALE



NO. | REVISION | DATE |

DOUGLAS COUNT

JULY 2017

A14

FOR NON-COUNTY UTILITIES, PIPE ZONE BEDDING PER UTILITY PURVEYOR REQUIREMENTS. BACKFILL PER

STREET CUT REPAIR

STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION:

COUNTY REQUIREMENTS.

DATE



140 W. Huffaker Lane Suite 507

PAGE 1 OF

DOUGLAS COUNTY

JULY 2017

A15

: VALVE CANS AND MANHOLES SHALL BE CENTERED IN THE LANE BETWEEN THE WHEEL PATH.

STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION

TYPICAL UTILITY

MAIN LOCATIONS

VISTA GRANDE BOULEVARD (NORTH EXTENSION) DOUGLAS COUNTY

DETAILS

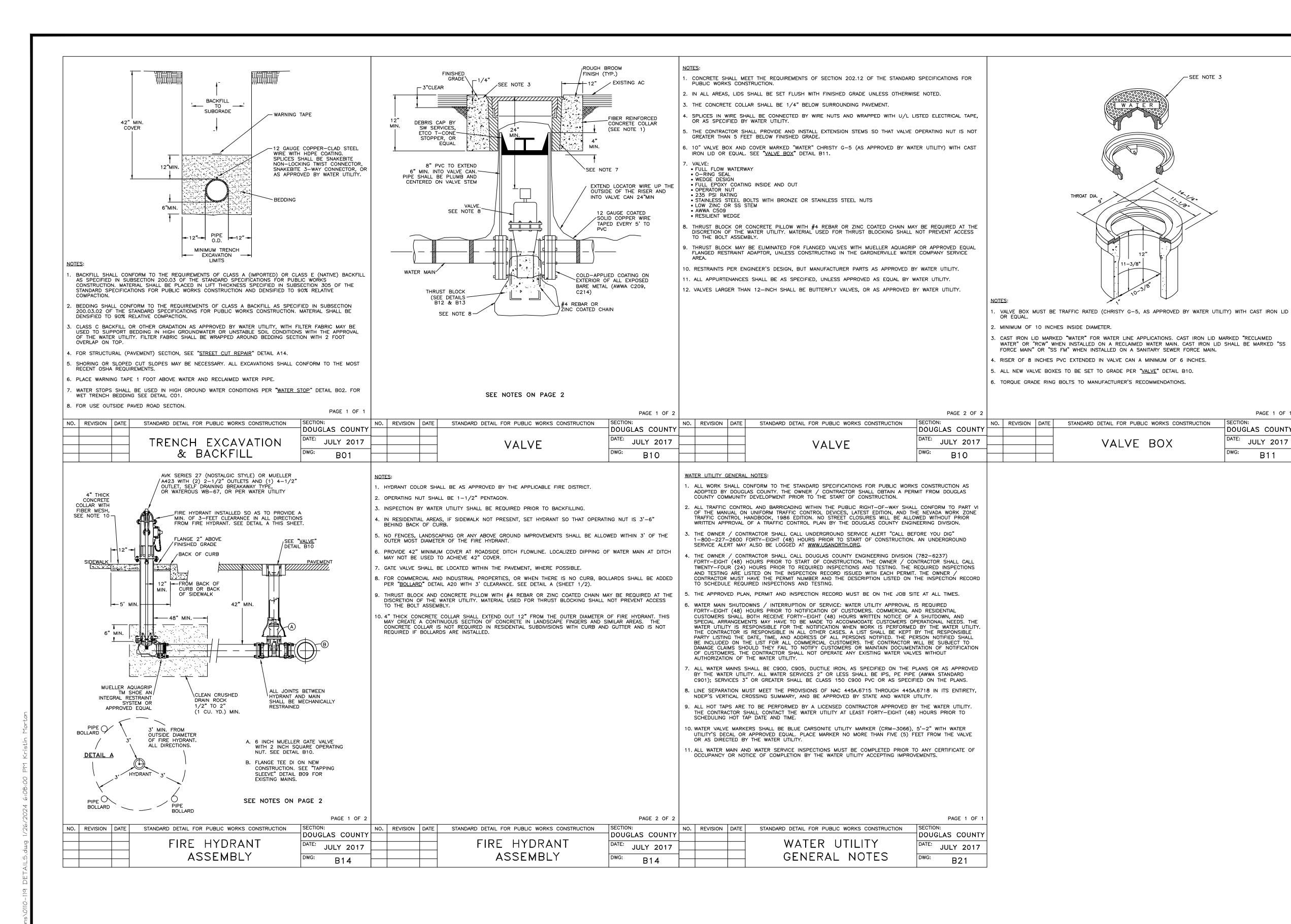
DOUGLAS COUNTY

JULY 2017

A12

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NO SCALE	C6
DATE:	<u> </u>
1-24-24	OF: 8 SHEETS





DATE REVISION BLOCK BY R O Anderson

140 W. Huffaker Lane Suite 507

VISTA GRANDE BOULEVARD (NORTH EXTENSION) DOUGLAS COUNTY

DETAILS

Type of Fitting

Type of Fitting

PAGE 1 OF

JULY 2017

B11

DOUGLAS COUNTY

- SEE NOTE 3

11-3/8"

STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION

VALVE BOX

90° Bend

Tee or Dead End

Type of 90° Bend, Cross Fitting w/Plug or Tee w/Plug

45° Bend

, THRUST

BLOCK

45° Bend 11.25° or lee of 22.5° Bend Dead Er

5 3

17 9

10

13

CONCRETE FOR THRUST BLOCKS SHALL CONFORM TO SECTION 337.10 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT

THRUST BLOCKS SHALL BE PLACED AGAINST UNDISTURBED SOIL.

JOINTS AND FACE OF PLUGS SHALL BE KEPT CLEAR OF CONCRETE.

THRUST BLOCK BEARING AREAS ARE FOR A 160 PSI TEST PRESSURE WITH 2000 PSF BEARING CAPACITY,

STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION

THRUST BLOCKS

NOMINAL PIPE DIAMETER, AND A FACTOR OF SAFETY OF 1.5 INSTALLATIONS USING DIFFERENT TEST PRESSURES, AND/OR SOIL TYPES SHALL BE ADJUSTED BY THE DESIGN ENGINEER.

ALL JOINTS SHALL BE POLYWRAPPED (VIRGIN POLYETHYLENE, 8 MILS THICK).

7 | 4

5

7

13

Cross w/Plug

Minimum Thrust Block Bearing Area — Square Feet (Y x W)

22.5° Bend

Tee w/Plug

PAGE 1 OF

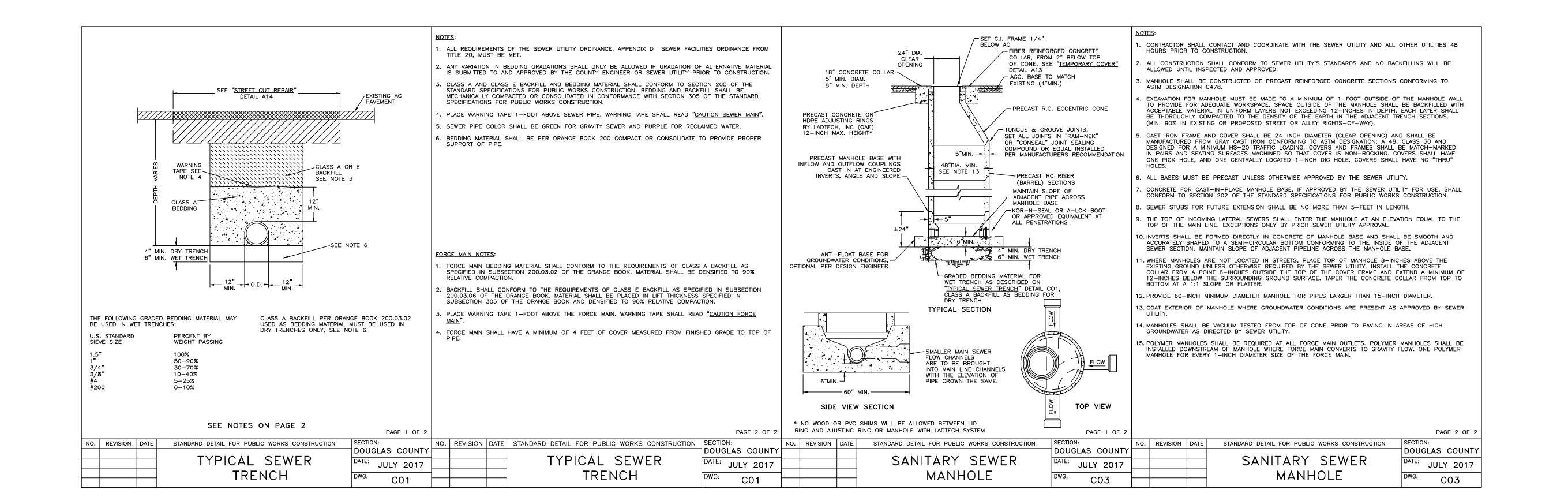
JULY 2017

B12

DOUGLAS COUNTY

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DETAILS
SHEET:
(7)

1-24-24 OF: 8 SHEETS





REVISION BLOCK NO. DATE

RO Anderson

VISTA GRANDE BOULEVARD (NORTH EXTENSION) DOUGLAS COUNTY

DETAILS

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