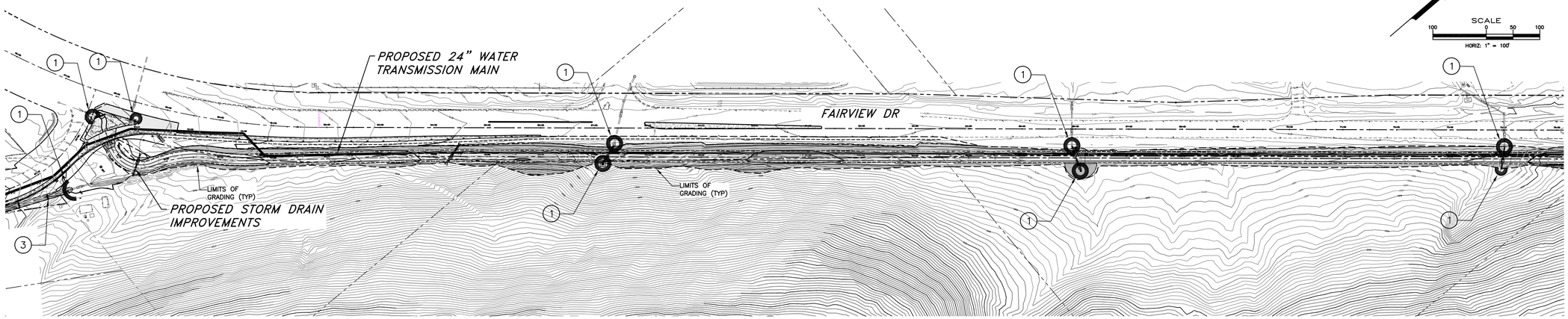


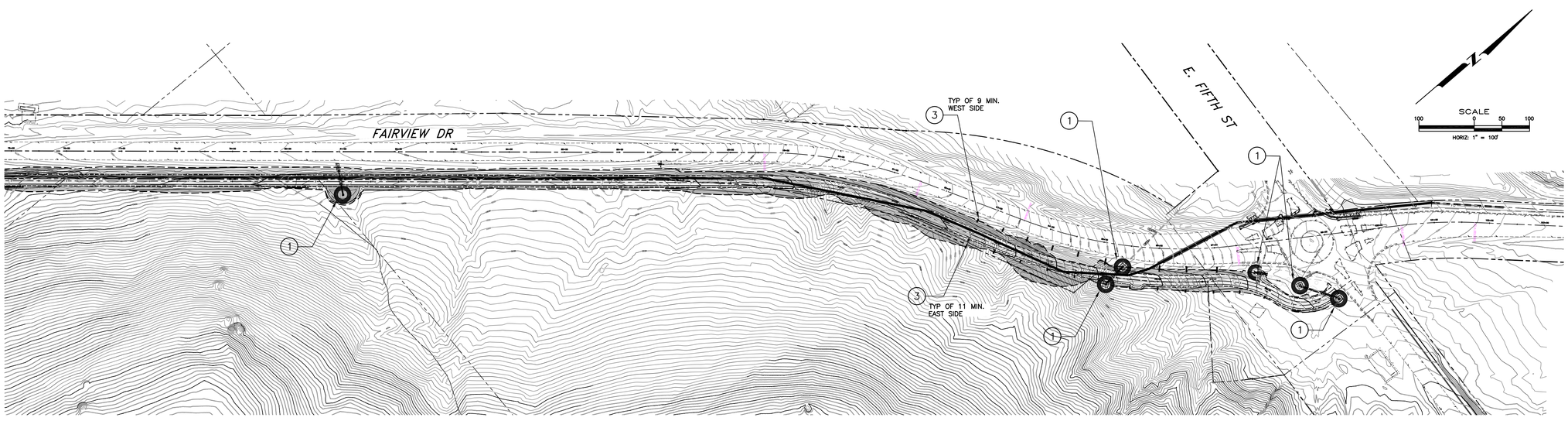
CONSTRUCTION NOTES:

1. INSTALL STORM DRAIN INLET PROTECTION PER STD DWG C-4.1.7.
2. INSTALL SILT FENCE PER DETAIL 3, SHEET G12.
3. INSTALL FIBER ROLL CHECK DAM ACROSS DRAINAGE DITCH PER DETAL 2, SHEET G12.
4. INSTALL TEMPORARY SEDIMENT TRAP PER DETAIL 4, SHEET G12.
5. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT ALL LOCATIONS WHERE CONSTRUCTION ACTIVITIES ENTER/EXIT A PUBLIC ROADWAY.

FAIRVIEW DR
STORMWATER POLLUTION PREVENTION PLAN

SCALE: 1" = 100'

NOTE: SEE "STORMWATER PROTECTION NOTES", SHEET G12 FOR ADDITIONAL BMP REQUIREMENTS



CONSTRUCTION NOTES:

1. INSTALL STORM DRAIN INLET PROTECTION PER STD DWG C-4.1.7.
2. INSTALL SILT FENCE PER DETAIL 3, SHEET G12.
3. INSTALL FIBER ROLL CHECK DAM ACROSS DRAINAGE DITCH PER DETAL 2, SHEET G12.
4. INSTALL TEMPORARY SEDIMENT TRAP PER DETAIL 4, SHEET G12.
5. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT ALL LOCATIONS WHERE CONSTRUCTION ACTIVITIES ENTER/EXIT A PUBLIC ROADWAY.

FAIRVIEW DR
STORMWATER POLLUTION PREVENTION PLAN

SCALE: 1" = 100'

NOTE: SEE "STORMWATER PROTECTION NOTES", SHEET G12 FOR ADDITIONAL BMP REQUIREMENTS

NOTE:
THE CONTRACTOR SHALL INSTALL AND MAINTAIN STORM WATER PROTECTION DEVICES IN ACCORDANCE WITH THE "NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES" TO PROTECT THE NEAREST WATERWAY DOWNSTREAM OF ALL CONSTRUCTION ACTIVITIES.

24 HOUR EMERGENCY CONTACT:

NAME: _____ NUMBER: _____

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600

DESIGNED BY: DGR/DLO
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: 40800-SWPPP.DWG
SCALE (HORIZ): AS NOTED
SCALE (VERT): N/A
DATE: 2/2/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

PROFESSIONAL ENGINEER - STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT - PHASE II
PROJECT No. 4.0800
STORM WATER POLLUTION PREVENTION PLAN
FAIRVIEW DR

SHEET G11 OF 96

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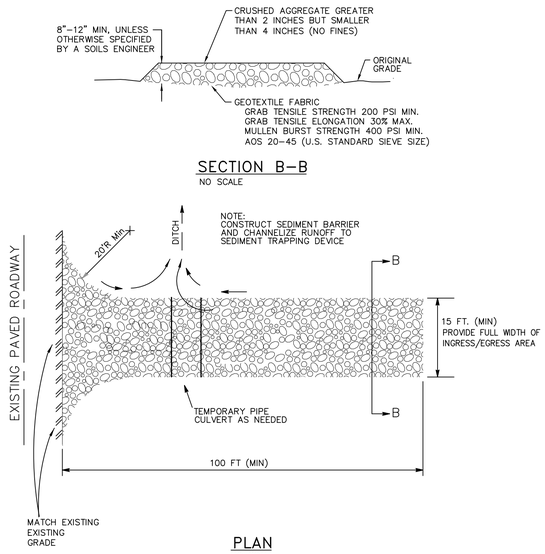
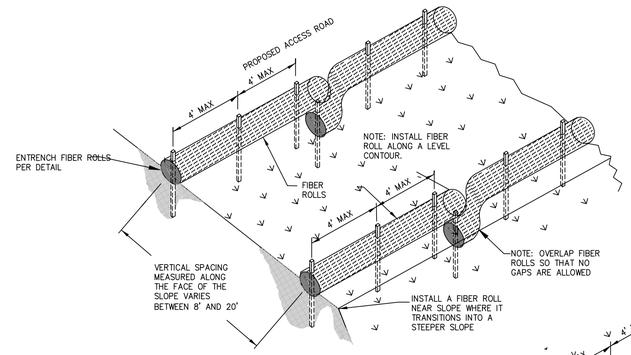
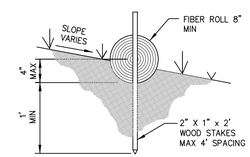


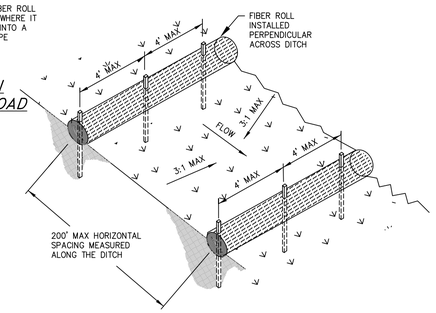
STABILIZED CONSTRUCTION ENTRANCE (1 / G12)
NO SCALE



FIBER ROLL EROSION PROTECTION PARALLEL TO PROPOSED ACCESS ROAD
NO SCALE



ENTRENCHING DETAIL
NO SCALE



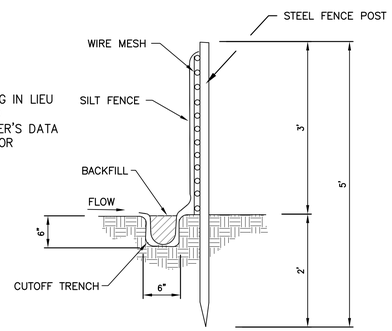
FIBER ROLL CHECK DAM ACROSS DRAINAGE DITCH
NO SCALE

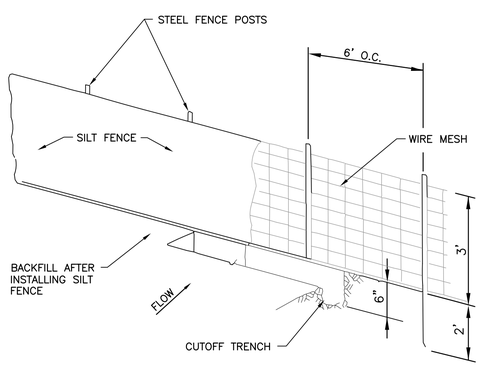
TYPICAL FIBER ROLL INSTALLATION (2 / G12)
NO SCALE

STORMWATER PROTECTION NOTES:

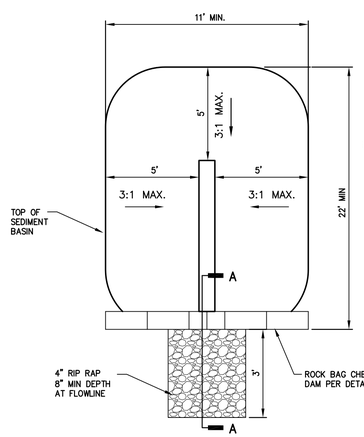
1. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL STORM WATER PROTECTION DEVICES IN ACCORDANCE WITH THE "NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES" AND DETAILS AS SHOWN.
2. ALL INSTALLED PROTECTION DEVICES SHALL BE INSPECTED AND APPROVED BY THE CARSON CITY CONSTRUCTION INSPECTOR PRIOR TO ANY CONSTRUCTION ACTIVITY.
3. BMP'S IN ADDITION TO THOSE INDICATED ON PLAN SHEETS G6 THROUGH G12, AND THE CONTRACTOR'S SWPPP MAY BE REQUIRED IF THEY DON'T MEET LOCAL PERFORMANCE STANDARDS.
4. ALL BMPs MUST BE INSPECTED WEEKLY, PRIOR TO FORECASTED RAIN EVENTS, AND WITHIN 24 HOURS AFTER ANY EVENT THAT CREATES RUNOFF AT THE SITE.
5. ACCUMULATED SEDIMENT MUST BE REMOVED FROM BMPs WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE. SEDIMENT MUST ALSO BE REMOVED WITHIN SEVEN DAYS AFTER A RUNOFF EVENT OR PRIOR TO THE NEXT FORECASTED RAIN EVENT WHICHEVER IS EARLIER.
6. IF THE ENTRANCE STABILIZATION IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH.
7. ANY ROCK THAT IS LOOSENED FROM THE ENTRANCE STABILIZATION PAD, WHICH END UP ON THE PAVED ROADWAY SHALL BE REMOVED IMMEDIATELY.
8. CONTRACTOR SHALL INSPECT LOCAL ROADS ADJACENT TO THE SITE DAILY, SWEEP OR VACUUM TO REMOVE ANY VISIBLE ACCUMULATED SEDIMENT.
9. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED BY SHOVELING, STREET SWEEPING OR VACUUMING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP SHALL BE CONSIDERED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP WHERE IT CAN BE CONTROLLED
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AT ALL TIMES.
11. STORM DRAIN INLET PROTECTION SHALL BE PLACED ACCORDINGLY ON THE NEAREST INLETS DOWNSTREAM OF ALL CONSTRUCTION ACTIVITIES.
12. HIGH VISIBILITY ORANGE SILT FENCE SHALL BE INSTALLED PER THE DETAILS SHOWN HEREON, AND MAINTAINED THROUGH OUT THE PROJECT.
13. THE CONTRACTOR OR HIS QUALIFIED AGENT IS REQUIRED TO ROUTINELY INSPECT ALL AREAS OF DISTURBED AND BARE SOIL, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, ONSITE VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL ONSITE EROSION AND SEDIMENT CONTROL BMPS.

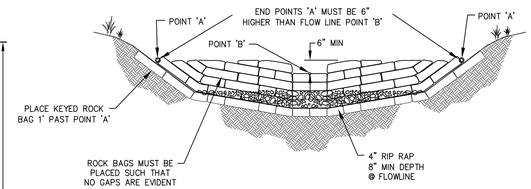
NOTE:
THE CONTRACTOR MAY USE MANUFACTURED SILT FENCING IN LIEU OF THE ABOVE, SUBJECT TO SUBMITTAL OF MANUFACTURER'S DATA SHEETS TO THE ENGINEER FOR APPROVAL.



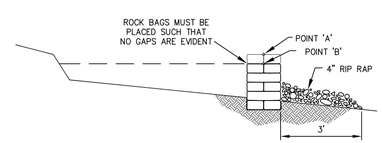


TYPICAL SILT FENCE INSTALLATION (3 / G12)
NO SCALE





ROCK BAG CHECK DAM DETAIL

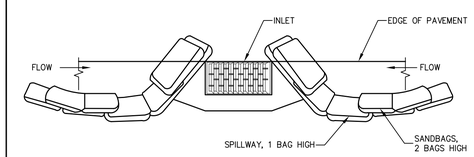


SECTION A–A

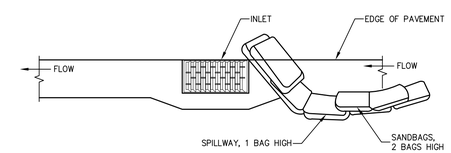
NOTES:

1. ROCK BAG SILT BARRIER SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. PLACE ROCK BAG SUCH THAT OPENINGS ARE NOT FACING UPSTREAM NO GAPS ARE EVIDENT BETWEENEN BAGS.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED SEDIMENT STORAGE HEIGHT.
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF–SITE AND CAN BE PERMANENTLY STABILIZED.

TYPICAL SEDIMENT TRAP INSTALLATION (4 / G12)
NO SCALE



TYPICAL PROTECTION FOR INLET ON SUMP
NTS



TYPICAL PROTECTION FOR INLET ON GRADE
NTS

NOTES:

1. INTENDED FOR TEMPORARY SHORT–TERM USE.
2. USE TO MANAGE CURB WATER FLOW.
3. SEDIMENT CAPTURED BEHIND SANDBAGS SHALL BE REMOVED WEEKLY DURING CONSTRUCTION.
4. INLET PROTECTION MUST BE PROPERLY MAINTAINED WHILE IN PLACE AND REMOVED WHEN REQUIREMENTS OF NDEP PERMIT HAVE BEEN MET.
5. SANDBAGS SHALL BE FILLED WITH 3/4 INCH WASHED ROCK.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			STORM DRAIN INLET PROTECTION	DRAWING NO. C–4.1.7
APPROVED BY:		7/09		DATE 7/2009

DESIGNED BY: DGR/DLO
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: 40800–SWPPP.DWG
SCALE (HORIZ): AS NOTED
SCALE (VERT): N/A
DATE: 2/2/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887–2355 FAX: 887–2112

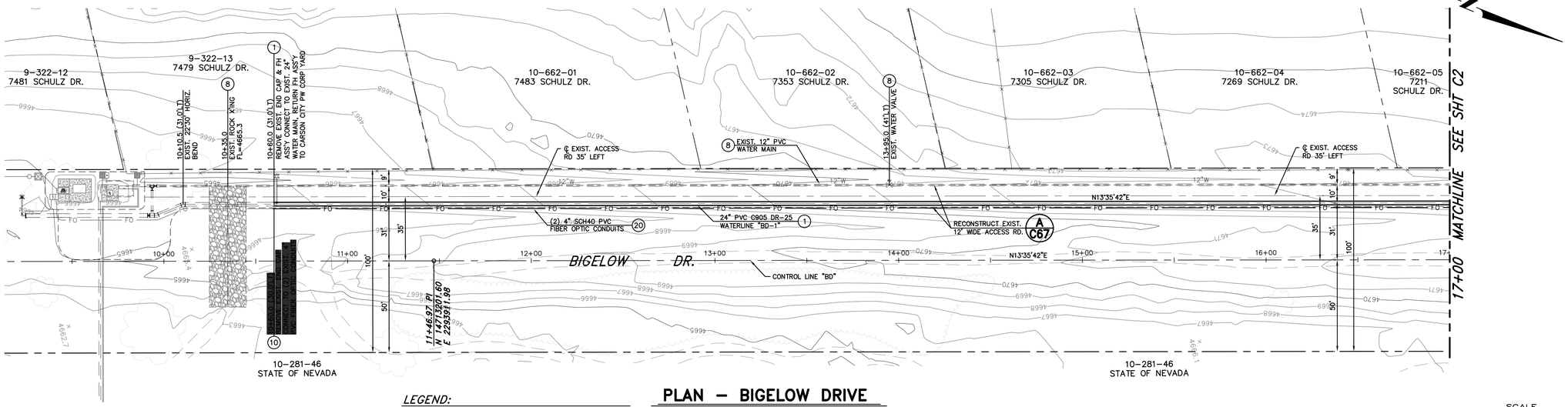
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON QUINN
Exp: 6–30–11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE II
PROJECT No. 4.0800
STORM WATER POLLUTION PREVENTION PLAN DETAILS

SHEET G12 OF 96

H:\PROJECTS\4.0800 N-S Transmission Main Phase 2\Dwg\4.0800-SWPPP.dwg 2/2/11



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

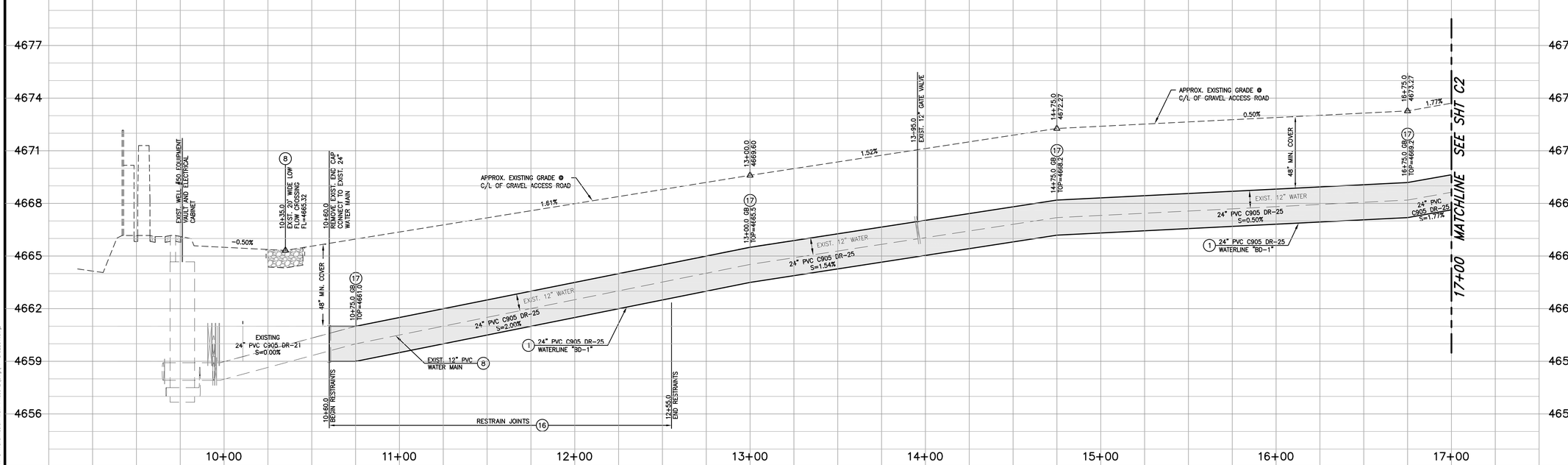
SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
8. PROTECT-IN-PLACE
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.

SCALE
30 0 15 30
HORIZ: 1" = 30'

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-BIGELOW.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 3/1/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

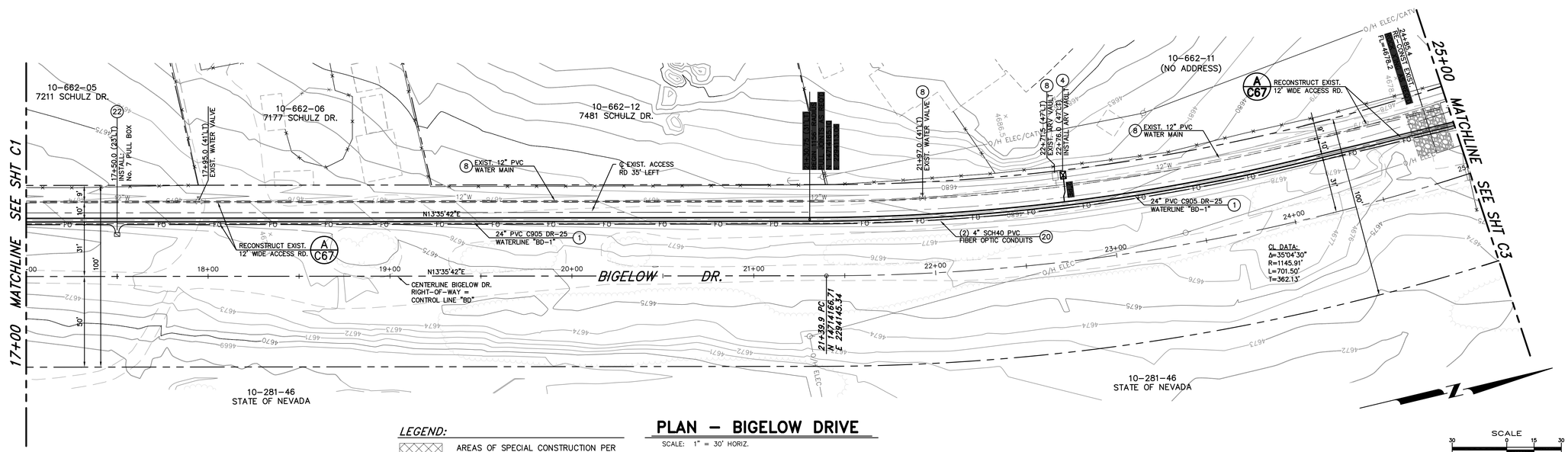
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 10+00 to STA 17+00

SHEET C1 OF 96

I:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

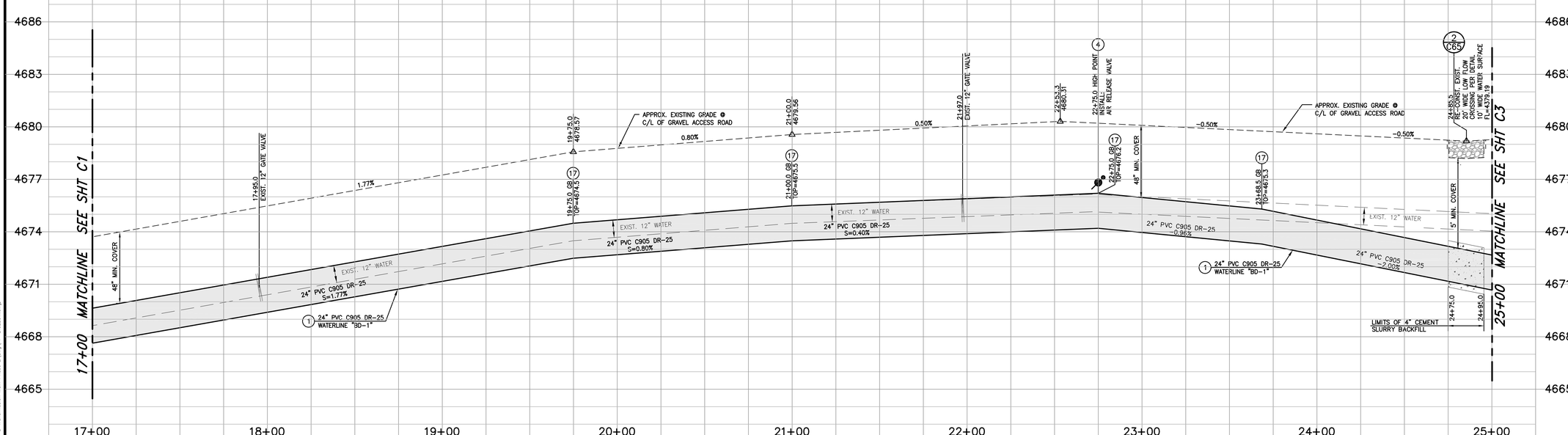
SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
4. INSTALL 2" POTABLE WATER AIR RELEASE VALVE PER STD. DRAWING C-3.1.10.
8. PROTECT-IN-PLACE
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
30 0 15 30
HORIZ: 1" = 30'

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-BIGELOW.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 3/1/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

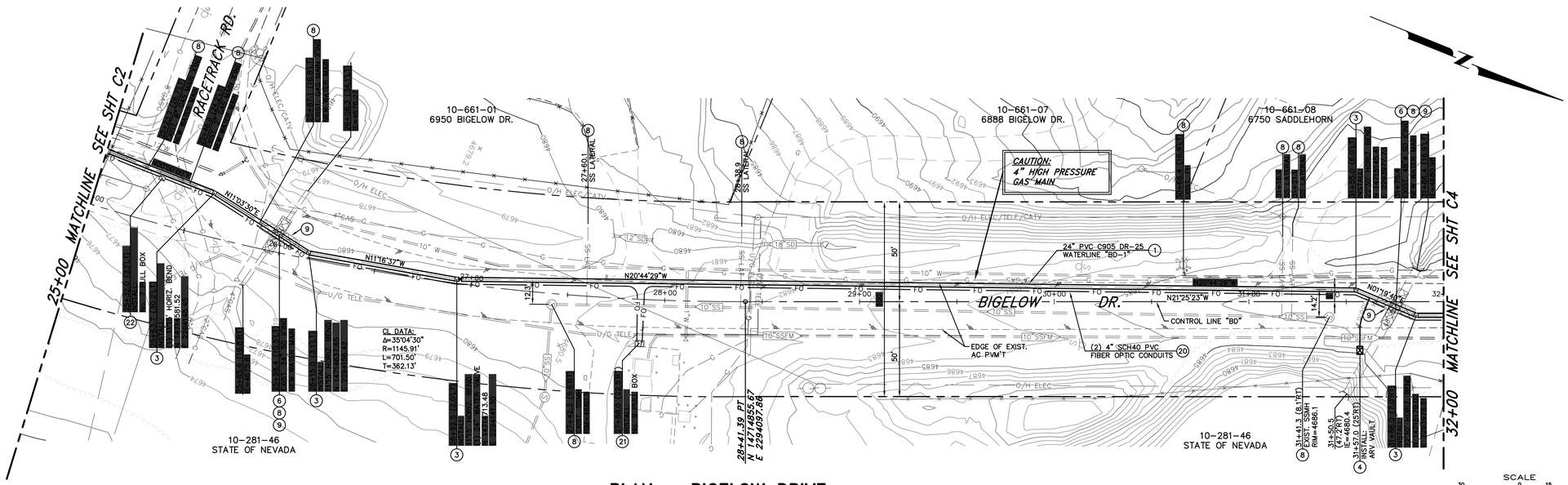
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON QUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 25+00 to STA 32+00

SHEET C2 OF 96

H:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
2. INSTALL 24" BUTTERFLY VALVE PER DETAIL 1, SHEET C61, WITH NUT EXTENDER TO EXTEND TOP OF NUT TO BETWEEN 18" TO 24" FROM TOP OF VALVE BOX.
3. INSTALL LINE LOCATION BOX & LID PER STD DRAWING C-1.2.2. AT ALL HORIZONTAL BEND LOCATIONS.
4. INSTALL 2" POTABLE WATER AIR RELEASE VALVE PER STD. DRAWING C-3.1.10.
6. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET G3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
21. INSTALL No. 9 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
HORIZ: 1" = 30'

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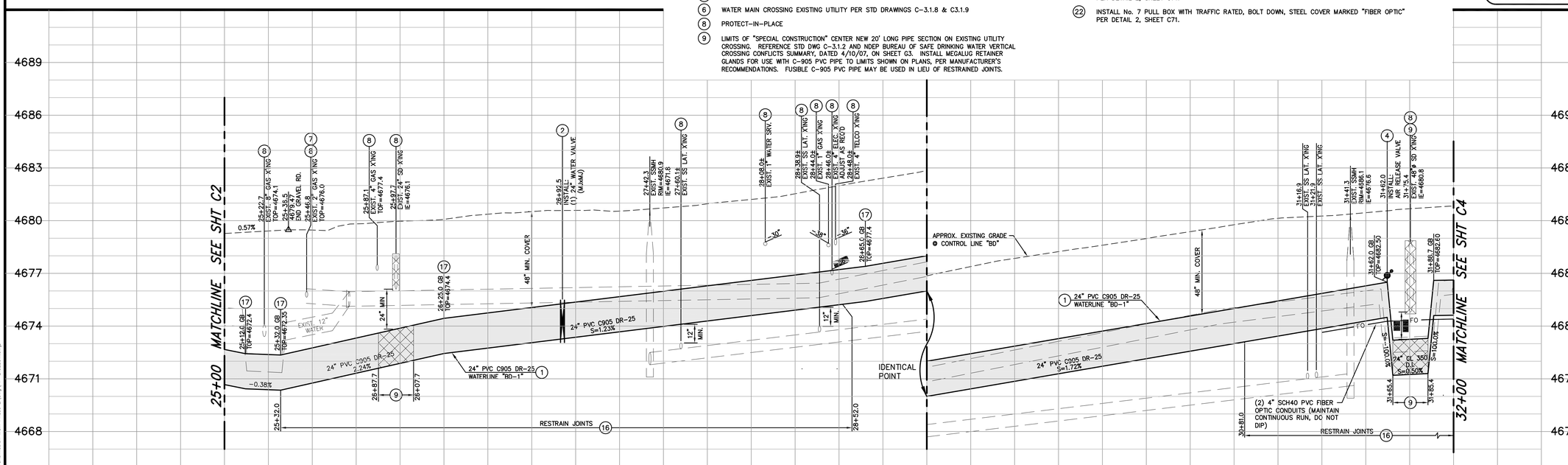


PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY:	DGR
DRAWN BY:	DGR/DLO
CHECKED BY:	TLG
DWG NO.:	PP-BIGELOW.DWG
SCALE (HORIZ):	1"=30'
SCALE (VERT):	1"=3'
PLOT DATE:	1/12/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

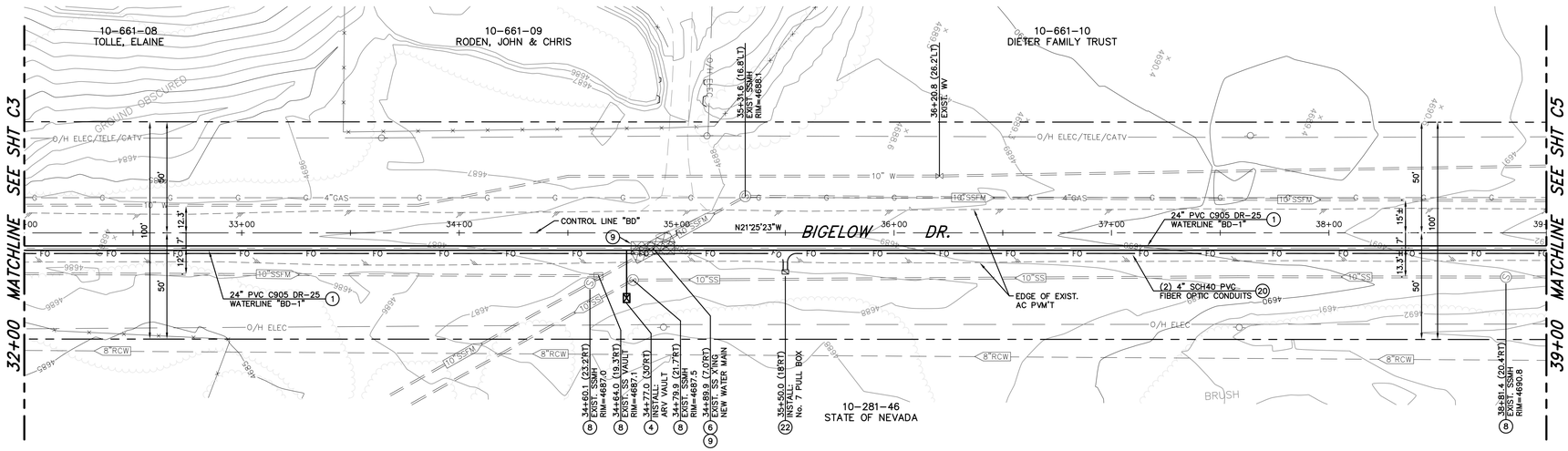
REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800

BIGELOW DRIVE
PLAN & PROFILE
STA 25+00 to STA 32+00

SHEET C3 OF 96

N:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

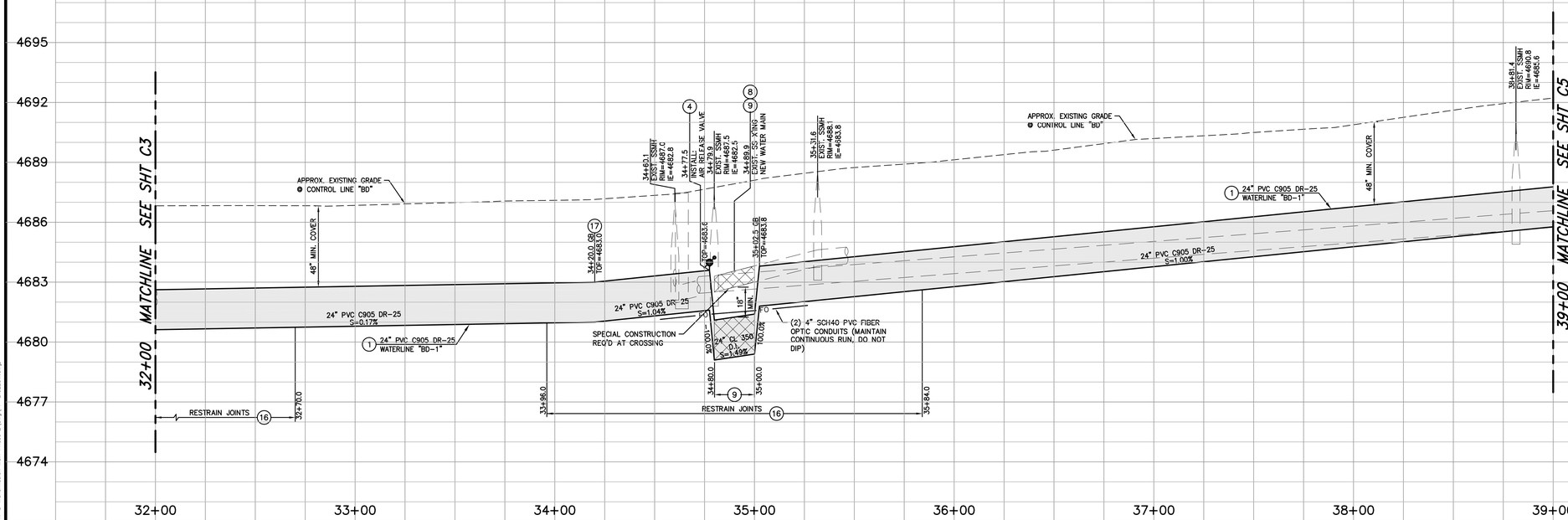
SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
4. INSTALL 2" POTABLE WATER AIR RELEASE VALVE PER STD. DRAWING C-3.1.10.
6. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET G3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
30 0 15 30
HORIZ: 1" = 30'

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-BIGELOW.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 11/22/10

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

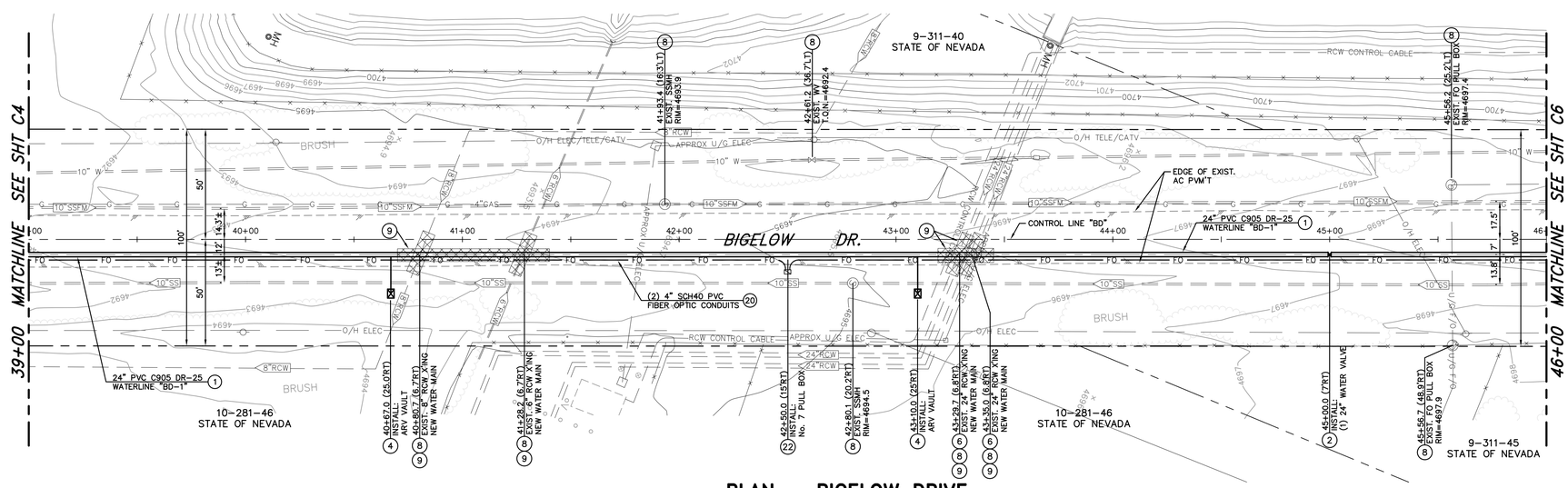
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON QUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 32+00 to STA 39+00

SHEET C4 OF 96

H:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

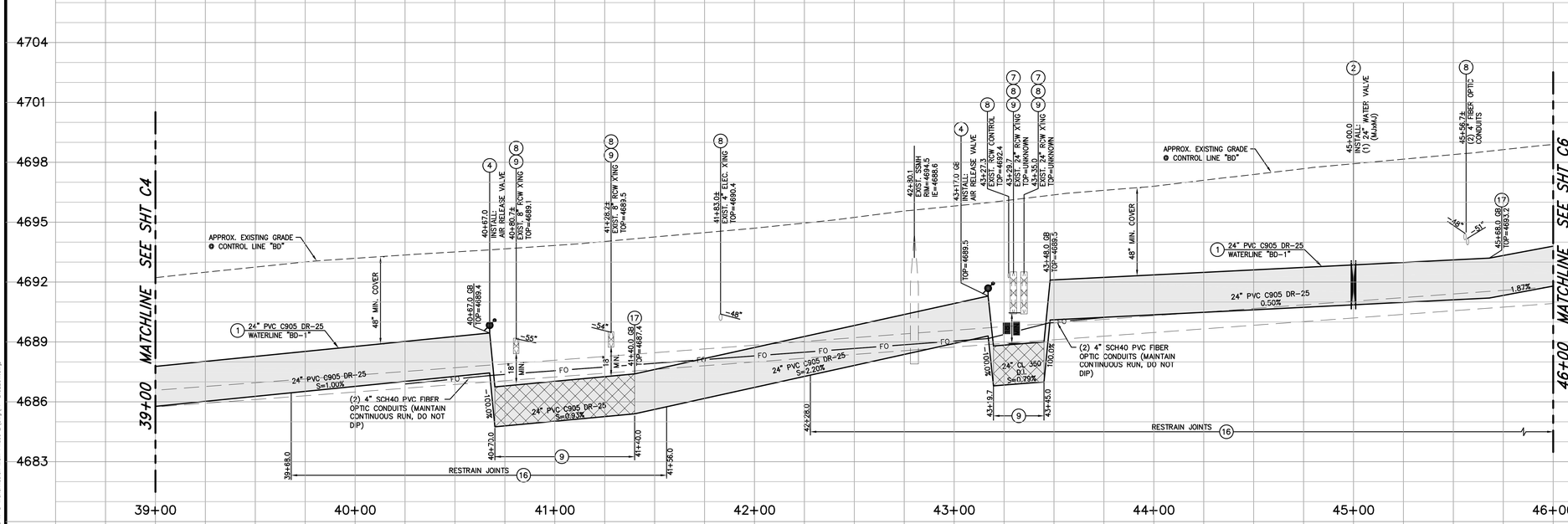
SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
2. INSTALL 24" BUTTERFLY VALVE PER DETAIL 1, SHEET C61, WITH NUT EXTENDER TO EXTEND TOP OF NUT TO BETWEEN 18" TO 24" FROM TOP OF VALVE BOX.
4. INSTALL 2" POTABLE WATER AIR RELEASE VALVE PER STD. DRAWING C-3.1.10.
6. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
7. POTHOLE TO VERIFY EXACT DEPTH AND/OR MAKE & MATERIALS REQUIRED.
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET C3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
30 0 15 30
HORIZ: 1" = 30'

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY:	DGR
DRAWN BY:	DGR/DLO
CHECKED BY:	TLG
DWG NO.:	PP-BIGELOW.DWG
SCALE (HORIZ):	1"=30'
SCALE (VERT):	1"=3'
PLOT DATE:	11/22/10

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

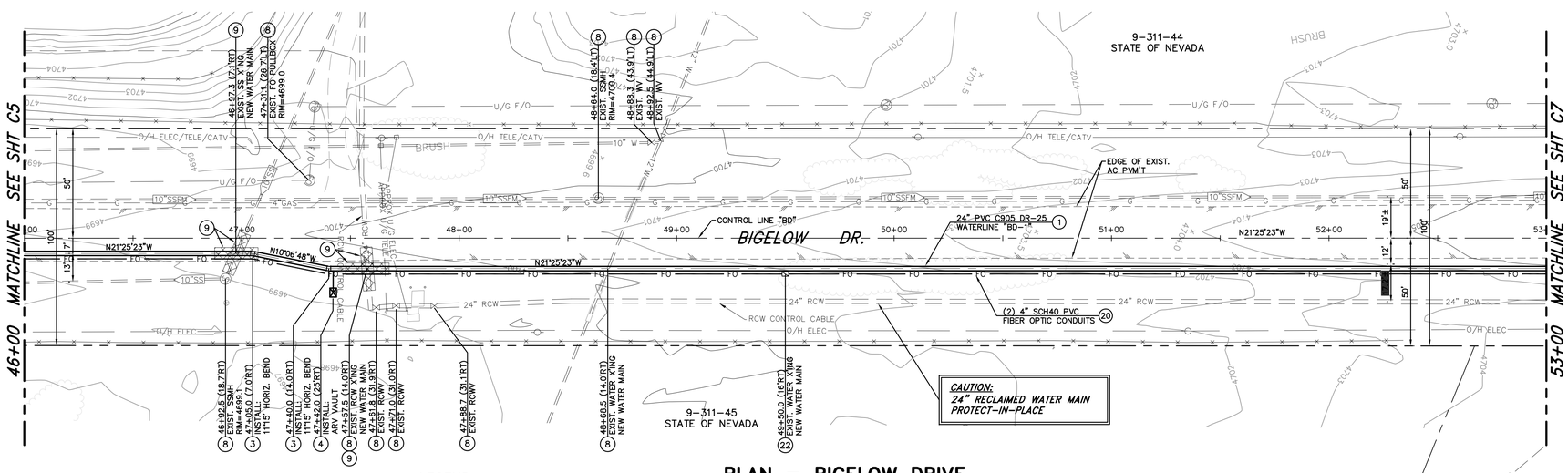
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 39+00 to STA 46+00

SHEET C5 OF 96

H:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
3. INSTALL LINE LOCATION BOX & LID PER STD DRAWING C-1.2.2. AT ALL HORIZONTAL BEND LOCATIONS.
4. INSTALL 2" POTABLE WATER AIR RELEASE VALVE PER STD. DRAWING C-3.1.10.
6. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET G3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
30 0 15 30
HORIZ: 1" = 30'

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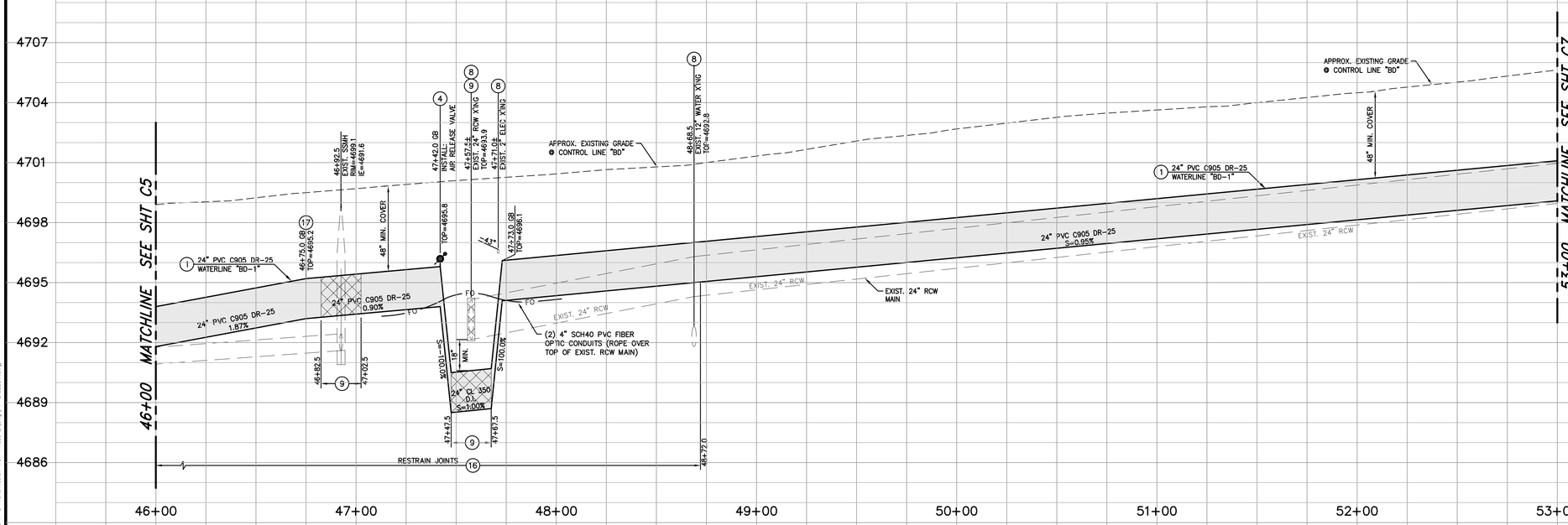
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-BIGELOW.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 11/22/10

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

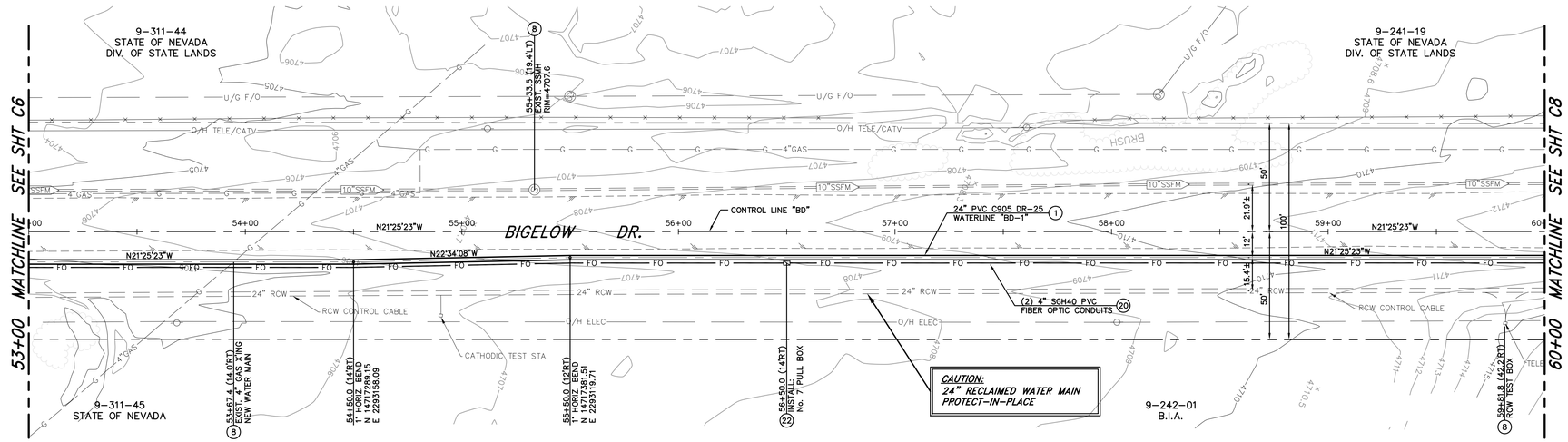
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 46+00 to STA 53+00

SHEET C6 OF 96

I:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – BIGELOW DRIVE

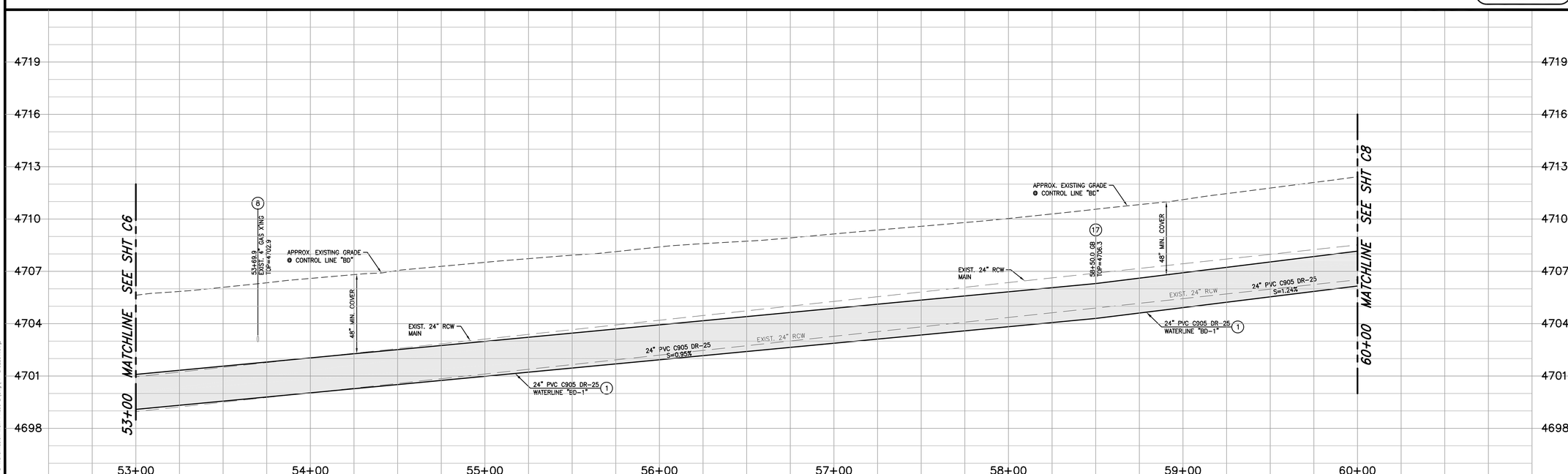
SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
8. PROTECT-IN-PLACE
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
HORIZ: 1" = 30'

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

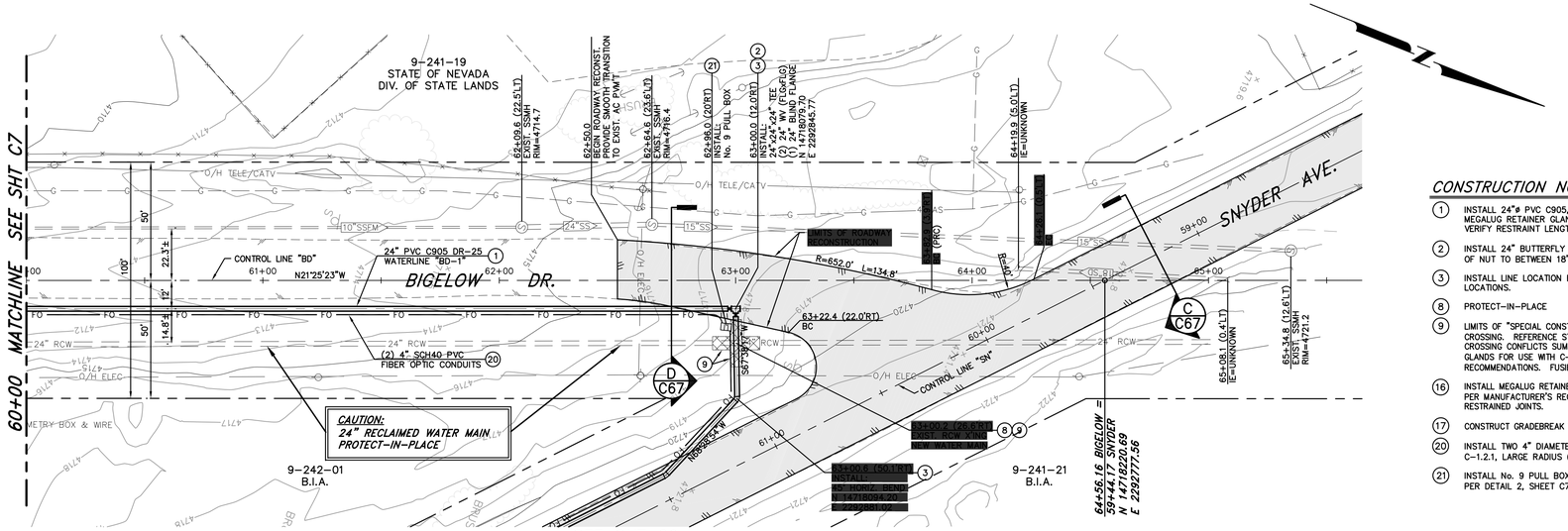
DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-BIGELOW.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 11/22/10

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON QUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 53+00 to STA 60+00



PLAN – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
2. INSTALL 24" BUTTERFLY VALVE PER DETAIL 1, SHEET C61, WITH NUT EXTENDER TO EXTEND TOP OF NUT TO BETWEEN 18" TO 24" FROM TOP OF VALVE BOX.
3. INSTALL LINE LOCATION BOX & LID PER STD DRAWING C-1.2.2. AT ALL HORIZONTAL BEND LOCATIONS.
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET G3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
21. INSTALL No. 9 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

SCALE
30 0 15 30
HORIZ: 1" = 30'

Call before you Dig
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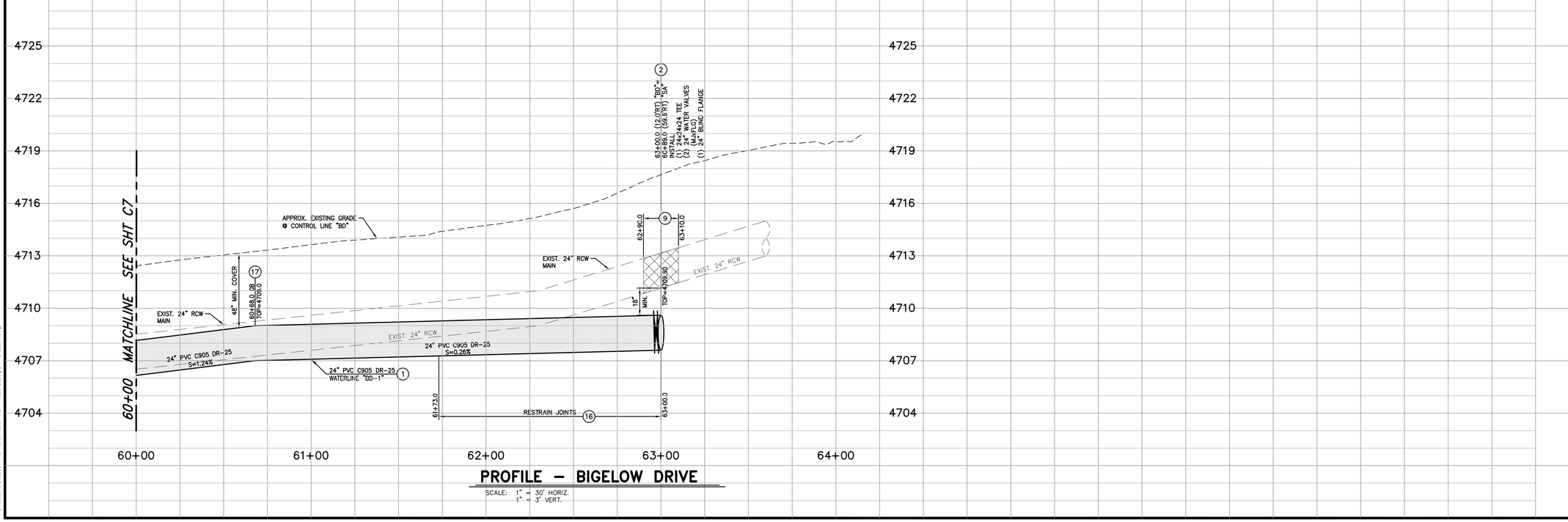
OR
1-800-227-2600



PROFILE – BIGELOW DRIVE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-BIGELOW.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 11/22/10

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

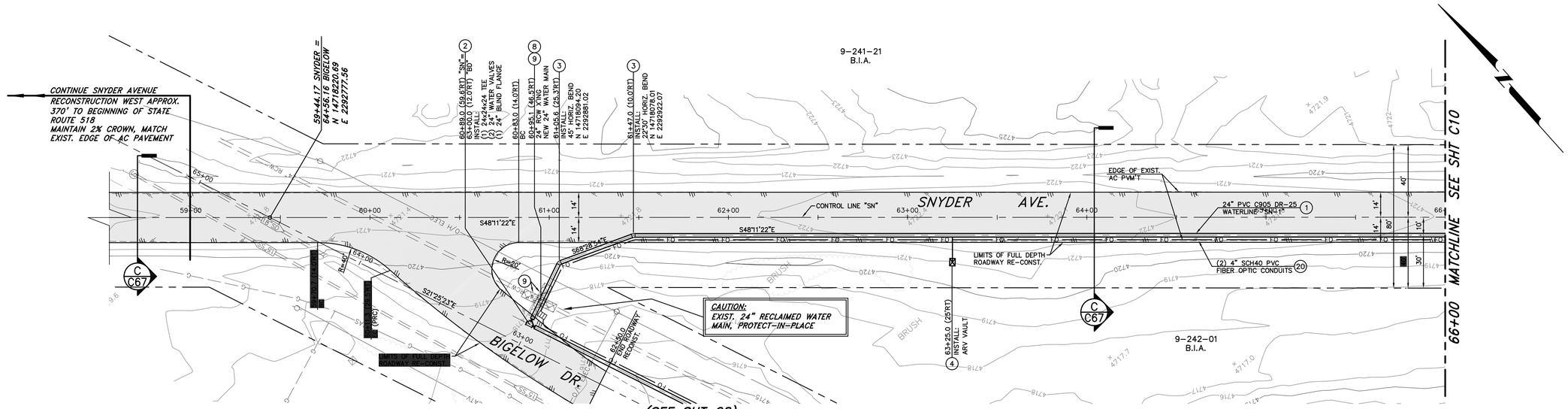
PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
BIGELOW DRIVE
PLAN & PROFILE
STA 60+00 to STA 64+56.16

SHEET C8 OF 96

M:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-BIGELOW.dwg



PLAN – SNYDER AVENUE

SCALE: 1" = 30' HORIZ.

LEGEND:

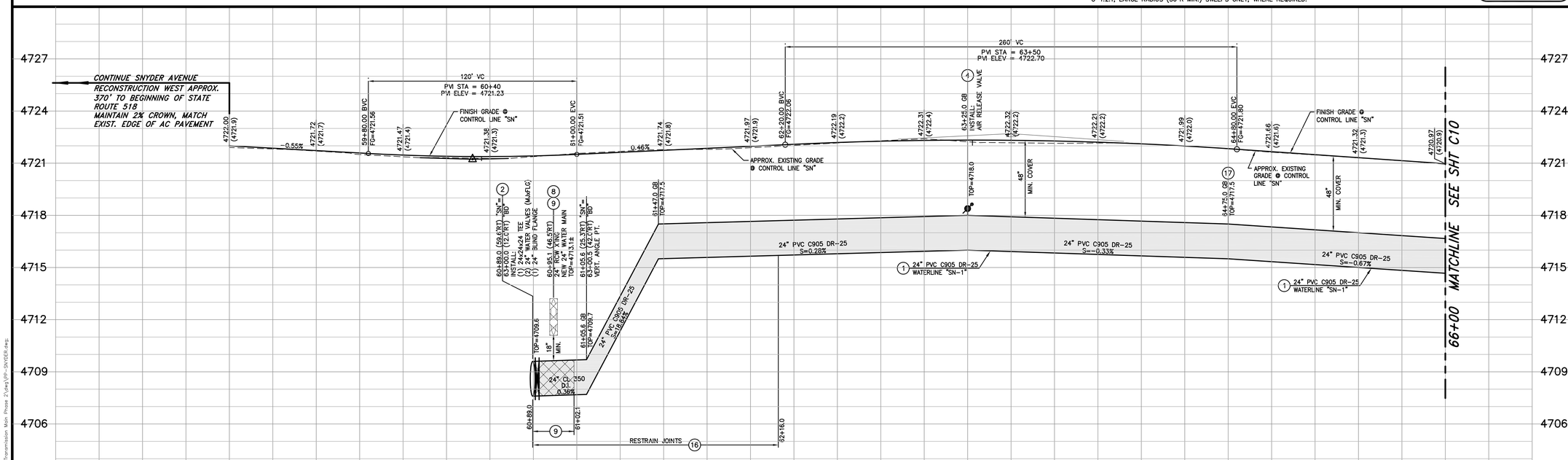
AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
2. INSTALL 24" BUTTERFLY VALVE PER DETAIL 1, SHEET C61, WITH NUT EXTENDER TO EXTEND TOP OF NUT TO BETWEEN 18" TO 24" FROM TOP OF VALVE BOX.
3. INSTALL LINE LOCATION BOX & LID PER STD DRAWING C-1.2.2. AT ALL HORIZONTAL BEND LOCATIONS.
4. INSTALL 2" POTABLE WATER AIR RELEASE VALVE PER STD. DRAWING C-3.1.10.
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET G3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.

SCALE 30 0 15 30
HORIZ: 1" = 30'

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811 OR 1-800-227-2600



PROFILE – SNYDER AVENUE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY:	DGR
DRAWN BY:	DGR/DLO
CHECKED BY:	TLG
DWG NO.:	PP-SNYDER.DWG
SCALE (HORIZ):	1"=30'
SCALE (VERT):	1"=3'
PLOT DATE:	3/1/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON GUINN
Exp: 6-30-11
CIVIL
No. 18528

REV.	DATE	DESCRIPTION	BY	APP'D

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
SNYDER AVENUE
PLAN & PROFILE
STA 59+00 to STA 66+00

SHEET C9 OF 96

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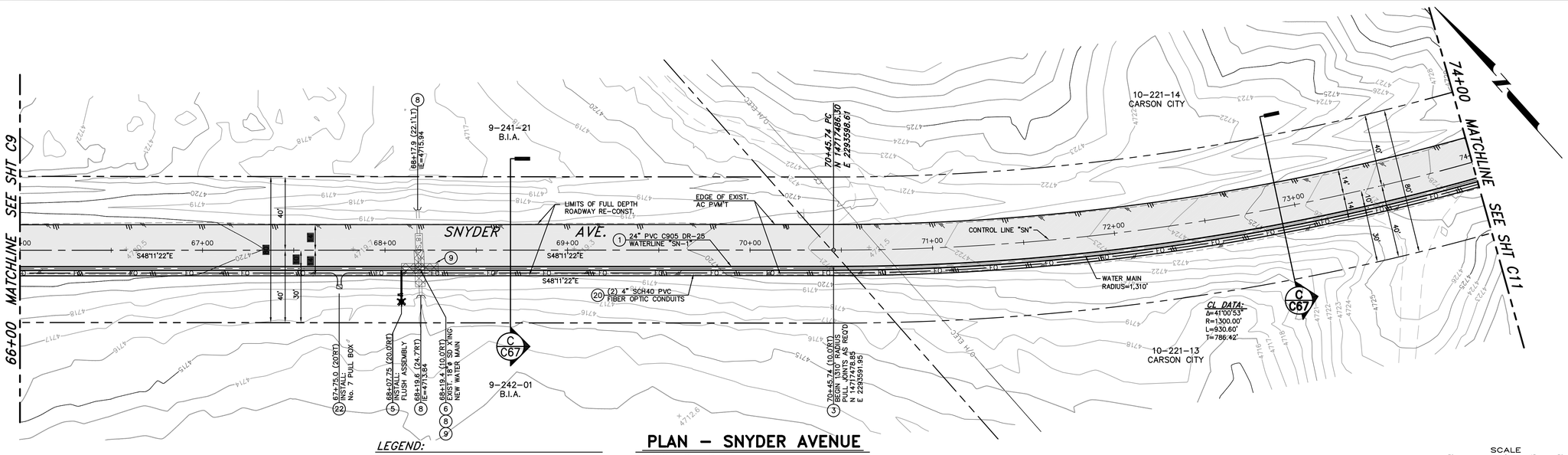

LEGEND:

AREAS OF SPECIAL CONSTRUCTION PER NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY

PLAN – SNYDER AVENUE

SCALE: 1" = 30' HORIZ.

CONSTRUCTION NOTES:

1. INSTALL 24"ø PVC C905, DR-25, 165 PSI WATER MAIN PER MODIFIED STD DRAWING C-1.2.1, MEGALUG RETAINER GLANDS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, CONTRACTOR TO VERIFY RESTRAINT LENGTH PER MANUFACTURERS RECOMMENDATIONS.
3. INSTALL LINE LOCATION BOX & LID PER STD DRAWING C-1.2.2. AT ALL HORIZONTAL BEND LOCATIONS.
5. INSTALL FLUSH ASSEMBLY PER DETAIL 3, SHEET 63.
6. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
8. PROTECT-IN-PLACE
9. LIMITS OF "SPECIAL CONSTRUCTION" CENTER NEW 20' LONG PIPE SECTION ON EXISTING UTILITY CROSSING. REFERENCE STD DWG C-3.1.2 AND NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY, DATED 4/10/07, ON SHEET G3. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
16. INSTALL MEGALUG RETAINER GLANDS FOR USE WITH C-905 PVC PIPE TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. FUSIBLE C-905 PVC PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
17. CONSTRUCT GRADEBREAK TRANSITION PER DETAIL 3, SHEET C61.
20. INSTALL TWO 4" DIAMETER, SCH 40, PVC CONDUITS WITH PULL ROPE, PER MODIFIED STD DWG C-1.2.1, LARGE RADIUS (36"R MIN.) SWEEPS ONLY, WHERE REQUIRED.
22. INSTALL No. 7 PULL BOX WITH TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 2, SHEET C71.

SCALE
30 0 15 30
HORIZ: 1" = 30'

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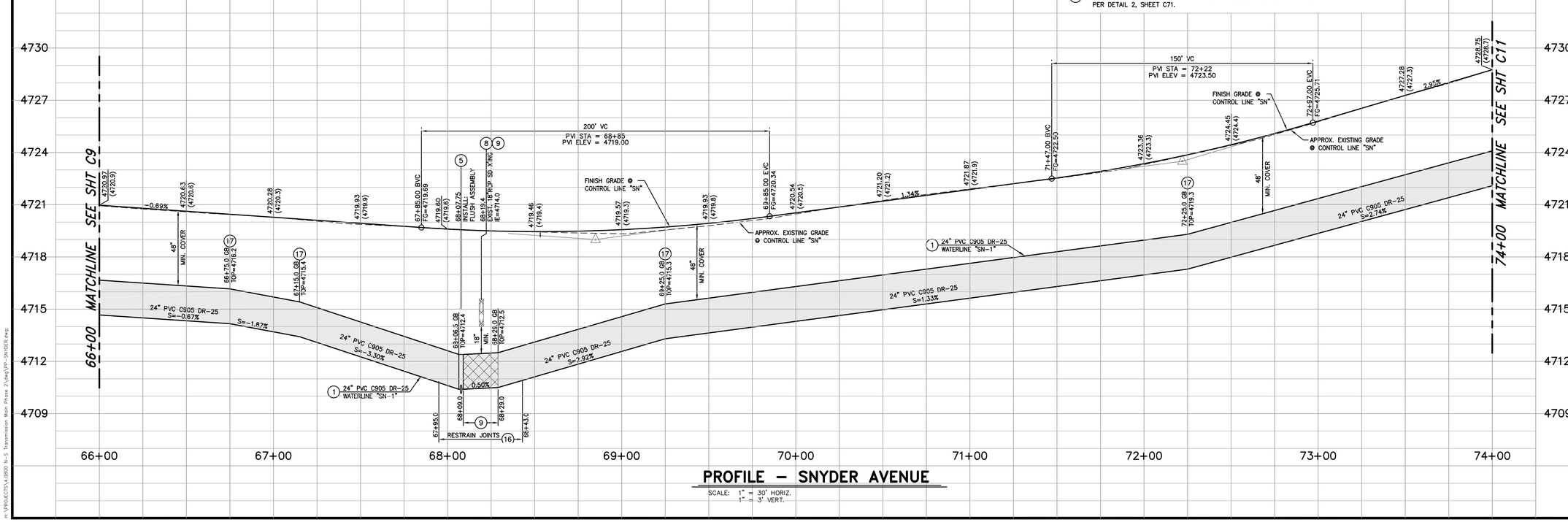
OR
1-800-227-2600



PROFILE – SNYDER AVENUE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

REV.	DATE	DESCRIPTION	BY	APP'D

DESIGNED BY: DGR
DRAWN BY: DGR/DLO
CHECKED BY: TLG
DWG NO.: PP-SNYDER.DWG
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 3/1/11

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112

PROFESSIONAL ENGINEER – STATE OF NEVADA
THOMAS LEON QUINN
Exp: 6-30-11
CIVIL
No. 18528

NORTH/SOUTH WATER TRANSMISSION MAIN
PROJECT – PHASE 2
PROJECT No. 4.0800
SNYDER AVENUE
PLAN & PROFILE
STA 66+00 to STA 74+00

SHEET C10 OF 96

M:\PROJECTS\4.0800 N-S Transmission Main Phase 2\dwg\PP-SNYDER.dwg