

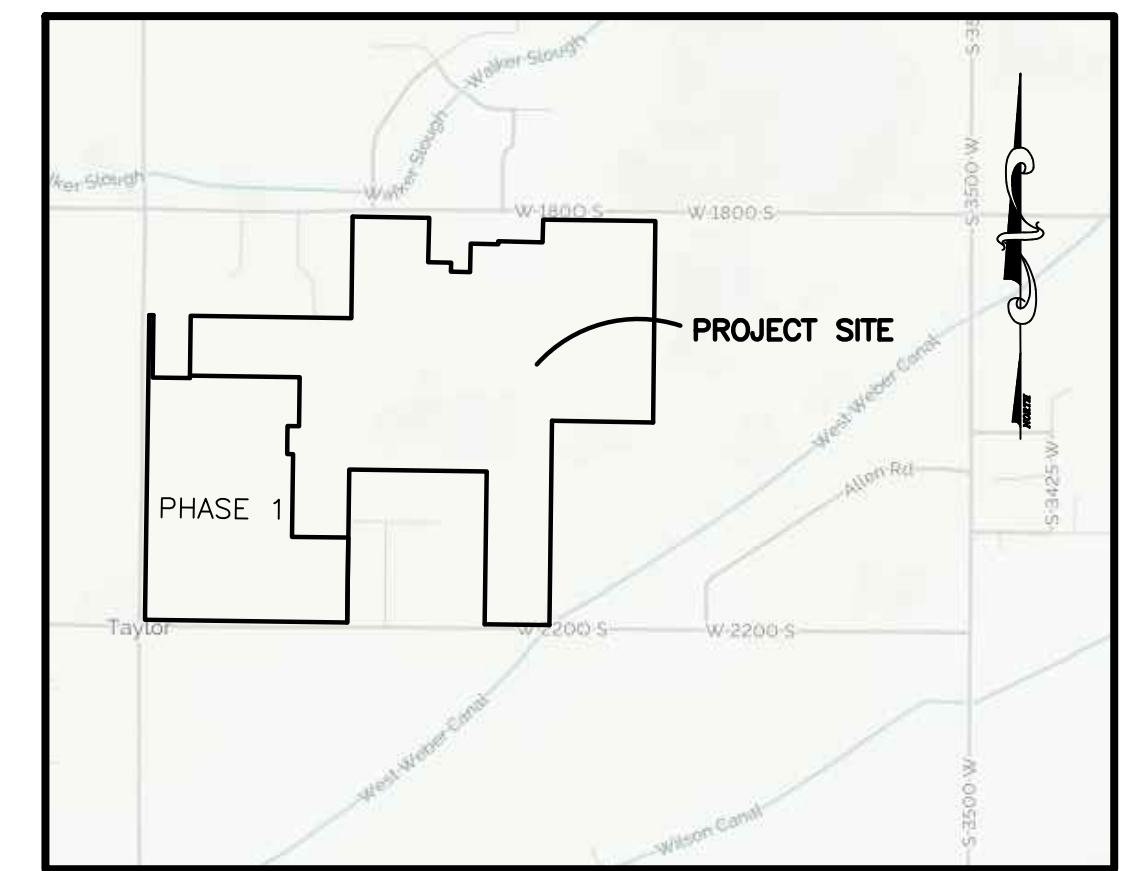
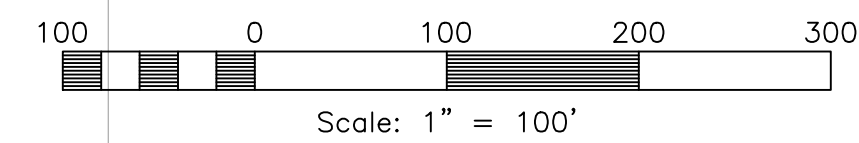
Project Narrative/Notes/Revisions

- 09/28/17 CK - COMPLETED DESIGN FOR CLIENT & CITY REVIEW.
- 01/17/18 CK - UPDATED PER CITY REVIEW.

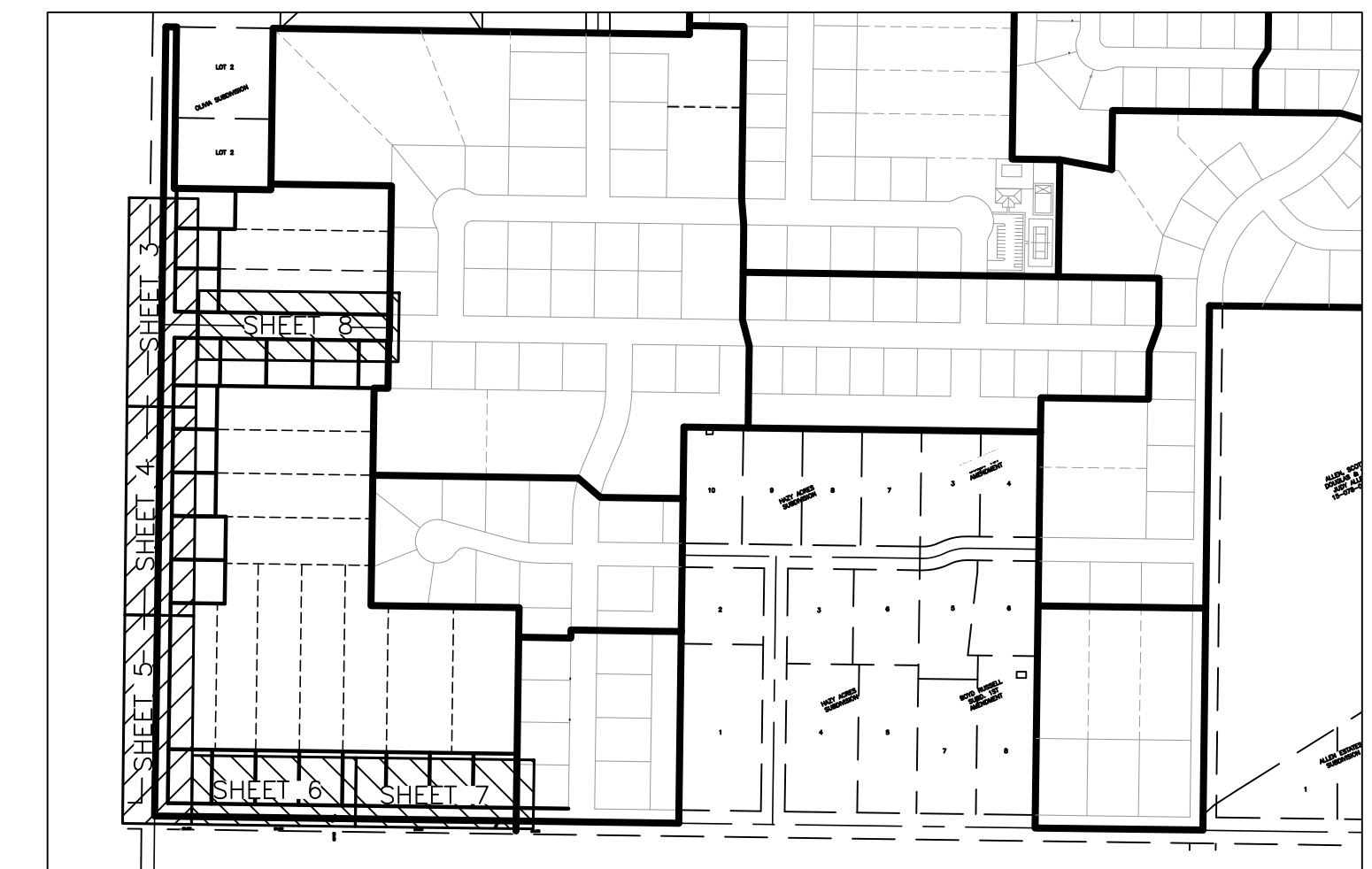
Sunset Equestrian Cluster Subdivision Phase 1

WEBER COUNTY, UTAH
SEPTEMBER 2017

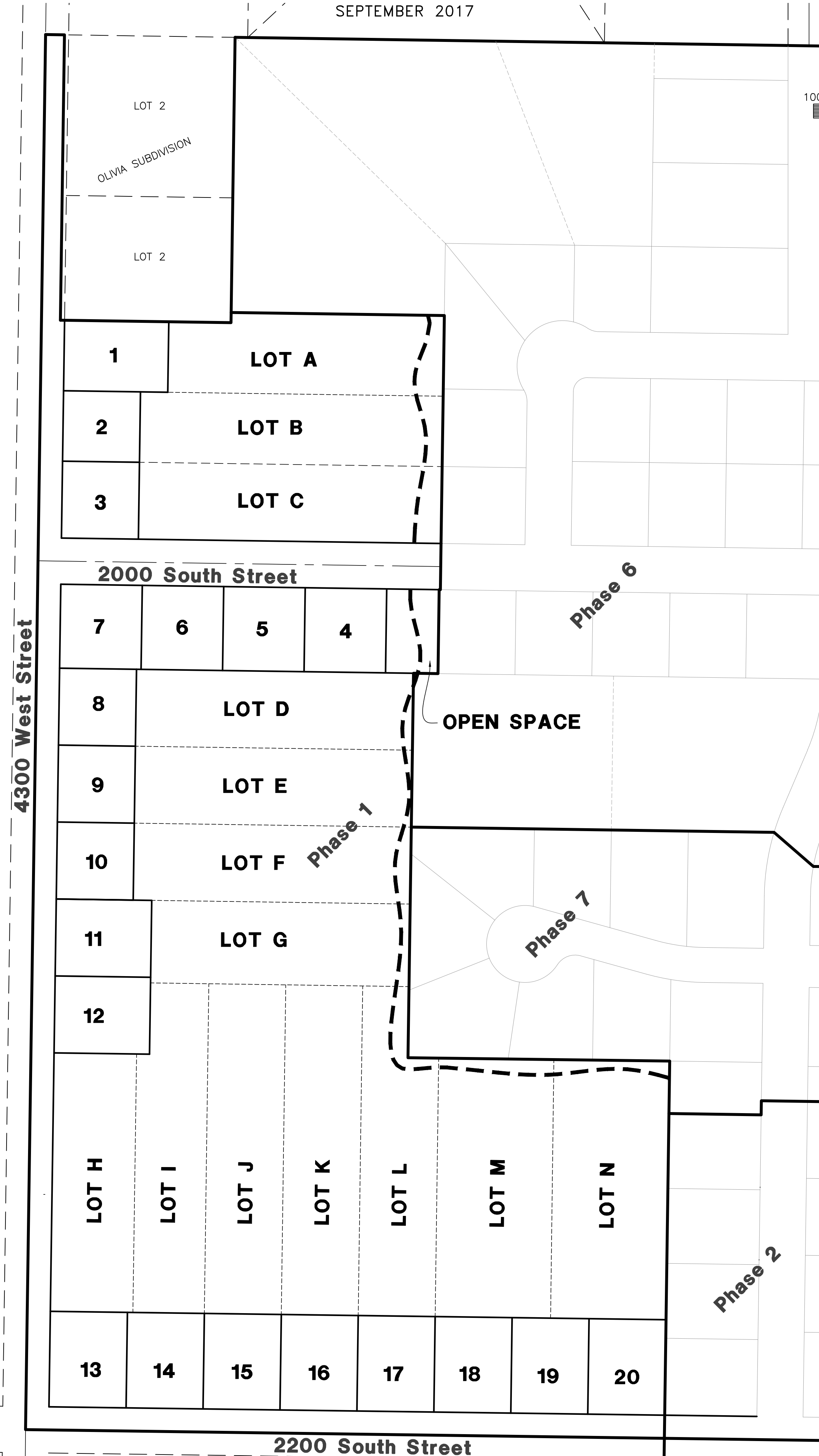
Reeve & Associates, Inc. - Solutions You Can Build On



Vicinity Map
NOT TO SCALE



Sheet Index Key Map
NOT TO SCALE



Elevation Datum

PROJECT BENCHMARK - W 1/4 CORNER 28, T6N, R2W, SLB&M.
EL. - 4239.806' (NAVD 88)

Flood Information Data

FLOOD ZONE DESIGNATION "X" PER F.E.M.A. FLOOD INSURANCE RATE MAPS, COMMUNITY PANEL NUMBERS 49011C0075E DATED JUNE 18, 2007.

AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

(THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THE SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP OR THE LOCATION OF THE FLOOD ZONE BOUNDARY. IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THE SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING.)

Survey Control Note:

THE CONTRACTOR OR SURVEYOR SHALL BE RESPONSIBLE FOR FOLLOWING THE NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS (NSPS) MODEL STANDARDS FOR ANY SURVEYING OR CONSTRUCTION LAYOUT TO BE COMPLETED USING REEVE & ASSOCIATES, INC. SURVEY DATA OR CONSTRUCTION IMPROVEMENT PLANS. PRIOR TO PROCEEDING WITH CONSTRUCTION STAKING, THE SURVEYOR SHALL BE RESPONSIBLE FOR VERIFYING HORIZONTAL CONTROL FROM THE SURVEY MONUMENTS AND FOR VERIFYING ANY ADDITIONAL CONTROL POINTS SHOWN ON AN ALTA SURVEY, IMPROVEMENT PLAN, OR ANY ELECTRONIC DATA PROVIDED. THE SURVEYOR SHALL ALSO USE THE BENCHMARKS AS SHOWN ON THE PLAN, AND VERIFY THEM AGAINST NO LESS THAN FIVE (5) EXISTING HARD IMPROVEMENT ELEVATIONS INCLUDED ON THESE PLANS OR ON ELECTRONIC DATA PROVIDED. IF ANY DISCREPANCIES ARE ENCOUNTERED, THE SURVEYOR SHALL IMMEDIATELY NOTIFY REEVE & ASSOCIATES, INC. AND RESOLVE THE DISCREPANCIES BEFORE PROCEEDING WITH ANY CONSTRUCTION STAKING.

Sheet Index

- Sheet 1 - Cover/Index Sheet
- Sheet 2 - Notes/Legend/Street Cross-Section
- Sheet 3 - 4300 West Street - 15+50.00 - 21+00.00
- Sheet 4 - 4300 West Street - 21+00.00 - 26+50.00
- Sheet 5 - 4300 West Street - 26+50.00 - 32+00.00
- Sheet 6 - 2200 South Street - 33+00.00 - 38+00.00
- Sheet 7 - 2200 South Street - 38+00.00 - 43+00.00
- Sheet 8 - 2200 South Street - 60+00.00 - 65+50.00
- Sheet 9 - Grading & Drainage Plan
- Sheet 10 - Utility Plan
- Sheet 11 - Storm Water Pollution Prevention Plan Exhibit
- Sheet 12 - Storm Water Pollution Prevention Plan Details
- Sheet 13 - Taylor - West Weber Water Improvement District Standard Water Details
- Sheet 14 - Hooper Irrigation Company Pressure Irrigation Standards
- Sheet 15 - Hooper Irrigation Company Pressure Irrigation Standards

Engineer's Notice To Contractors

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE INFORMATION PROVIDED BY OTHERS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO CONTACT THE UTILITY COMPANIES AND TAKE DUE PRECAUTIONARY MEASURE TO PROTECT ANY UTILITY LINES SHOWN, AND ANY OTHER LINES OBTAINED BY THE CONTRACTOR'S RESEARCH, AND OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

Developer Contact:

Fieldbrook Properties, Inc.
Chris Haertel/Doug Nosler
Irvine, CA 92618
PH: (949) 453-9279

Blue Stakes Location Center

Call: Toll Free
1-800-662-4111
Two Working Days Before You Dig

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REVISIONS	DATE	DESCRIPTION
01/17/18	CK	City Comments

Sunset Equestrian Cluster Subdivision
Phase 1
WEBER COUNTY, UTAH

Cover/Index Sheet



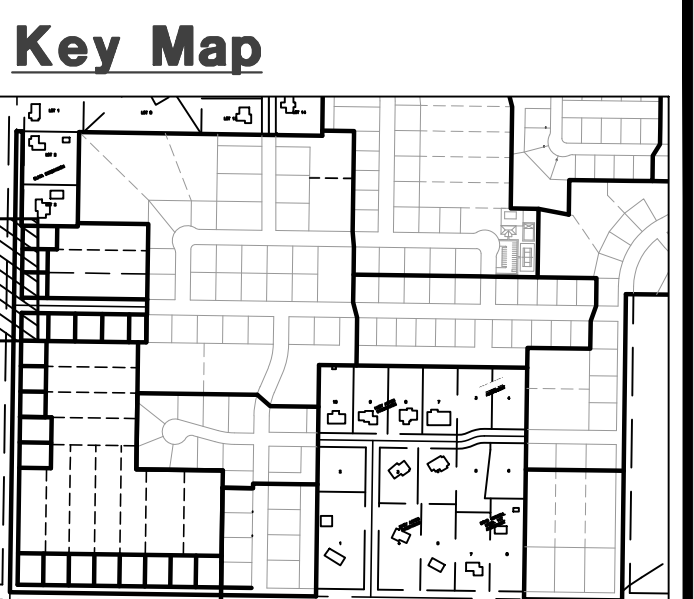
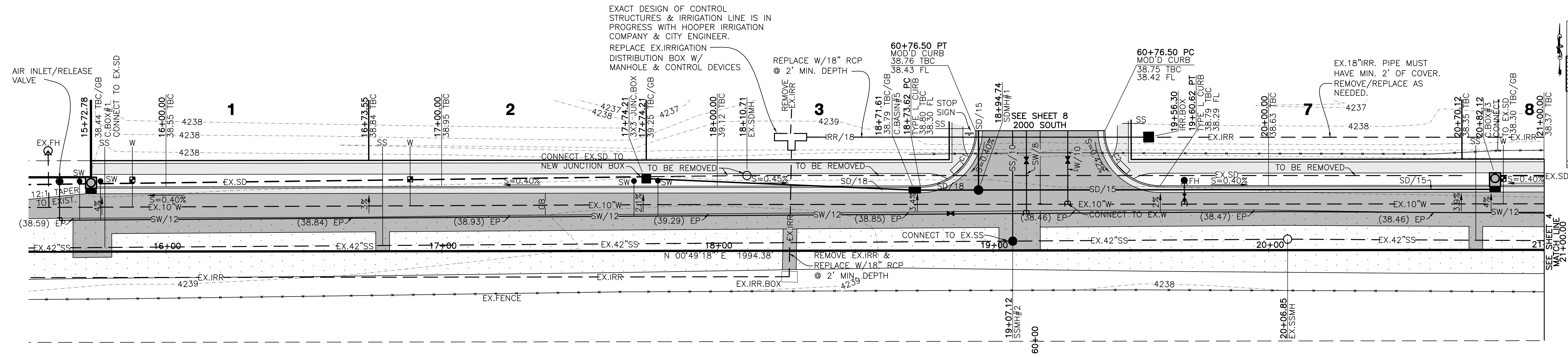
Project Info.

Engineer:	J. NATE REEVE, P.E.
Drafter:	C. KINGSLEY
Begin Date:	SEPTEMBER 2017
Name:	SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
Number:	5336-05

Sheet	15
1	Sheets

Revised: 01-17-18

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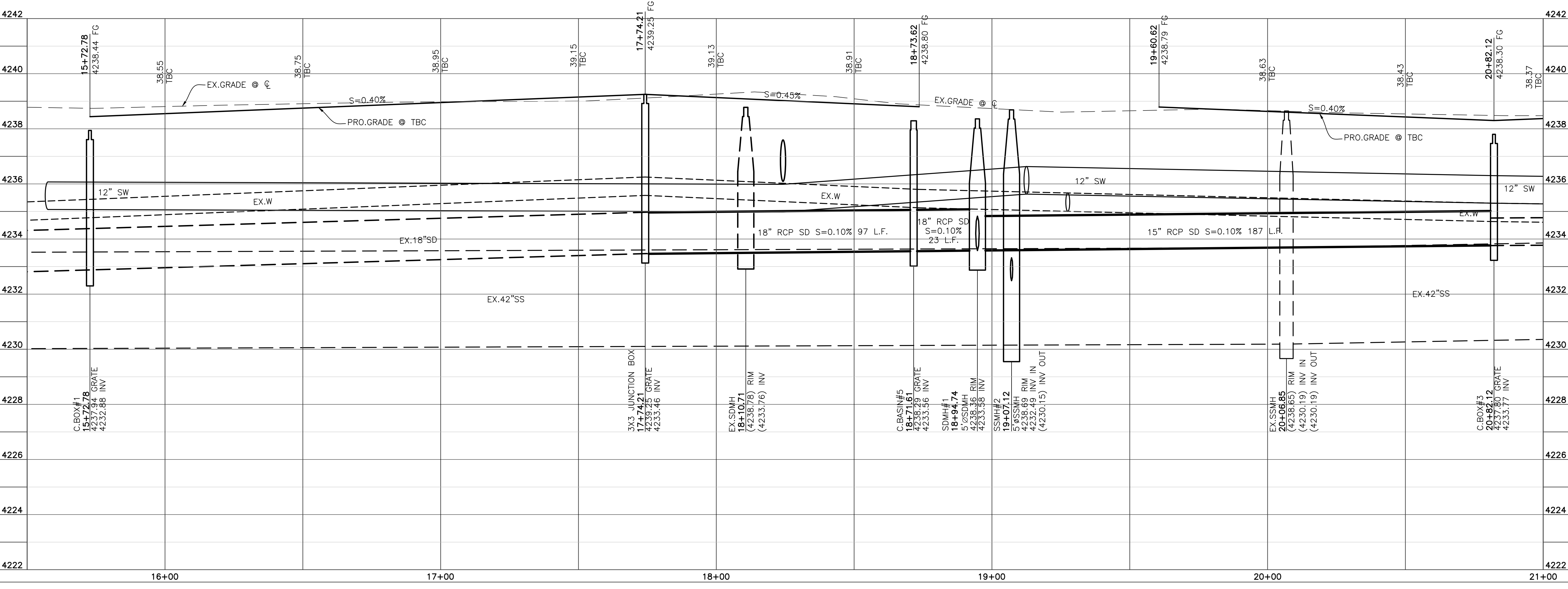
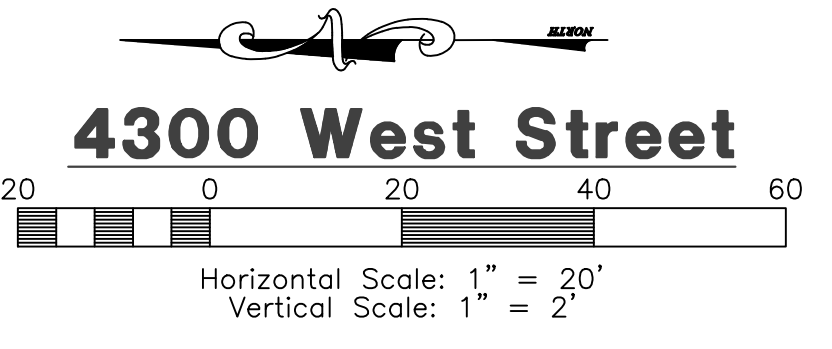
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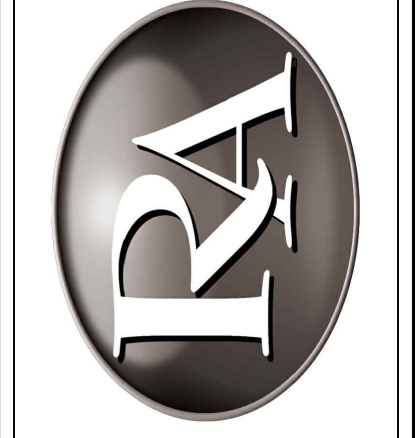
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#	Delta	Radius	Length	Tangent	Chord	CH Length
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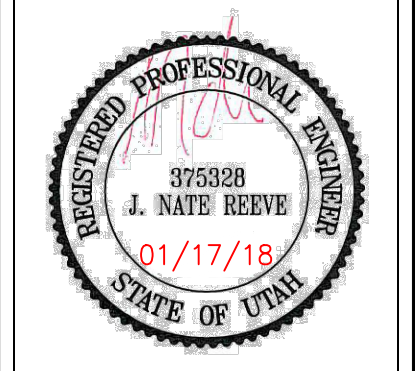


REVISIONS

DATE	DESCRIPTION	BY	CHK	CITY COMMENTS
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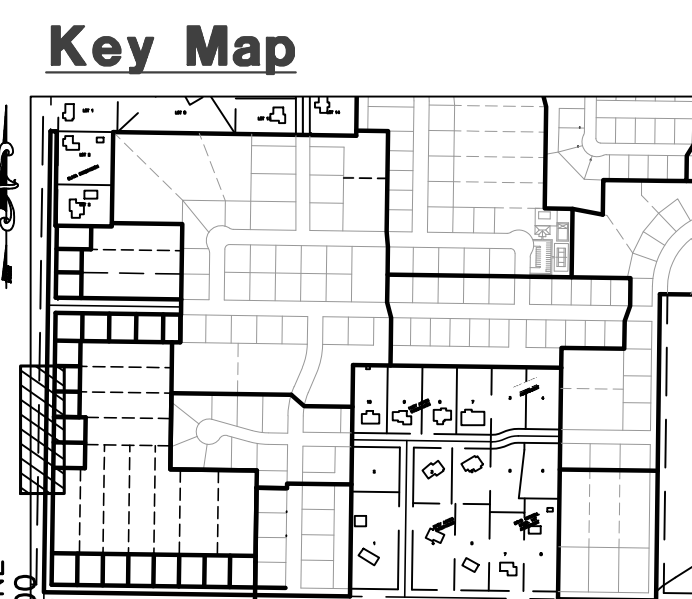
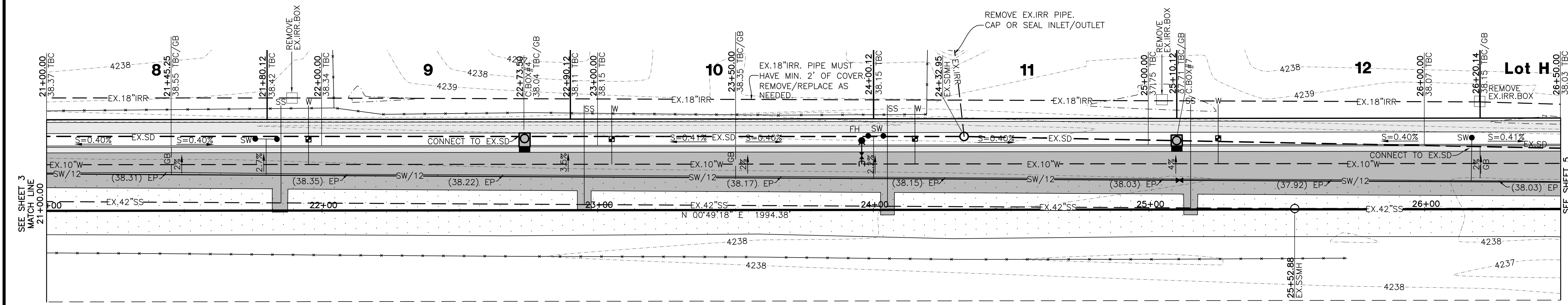
Sunset Equestrian Cluster Subdivision
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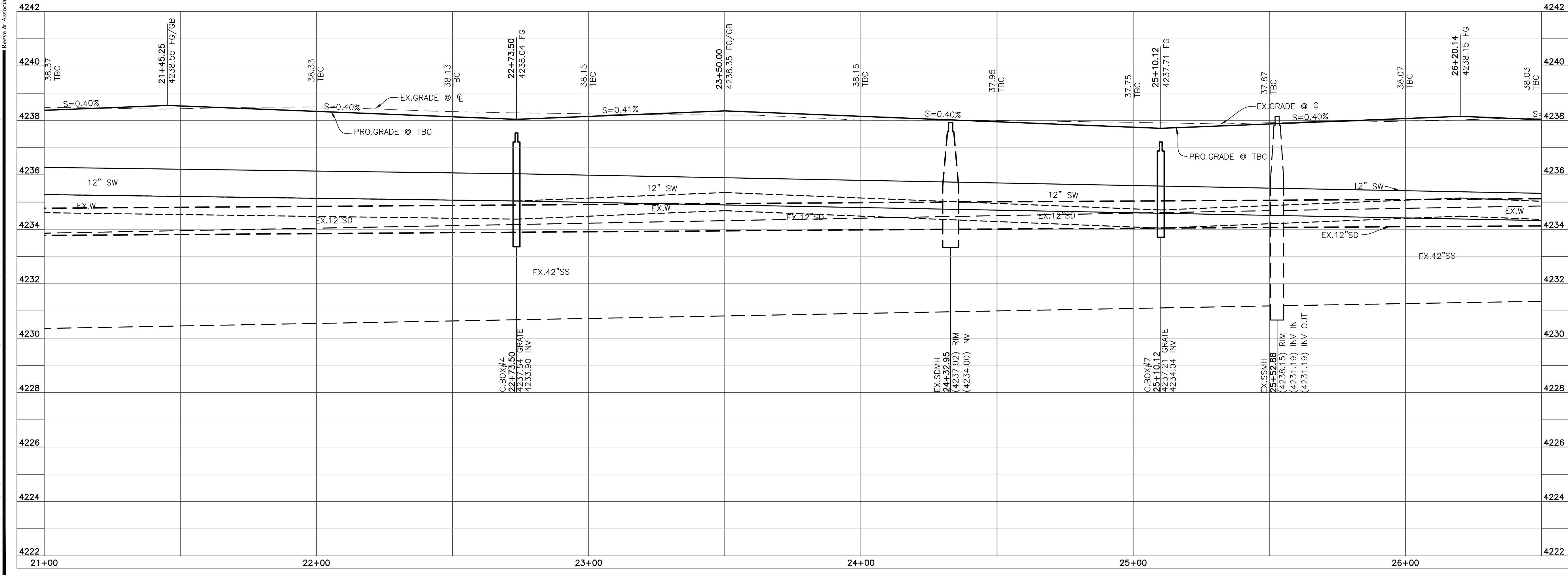
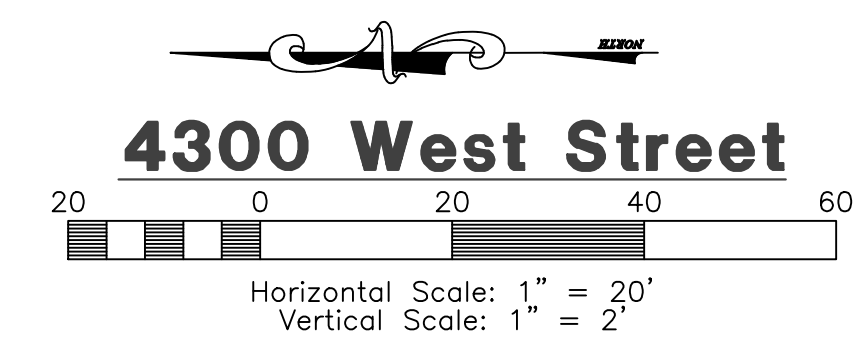
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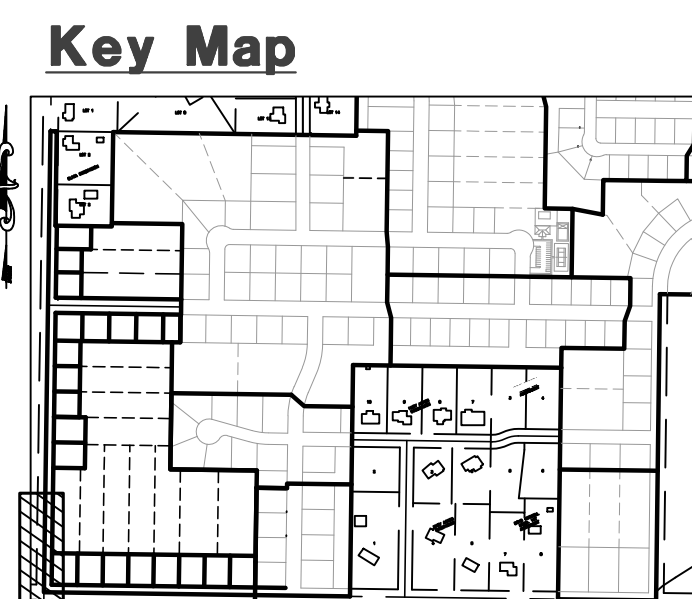
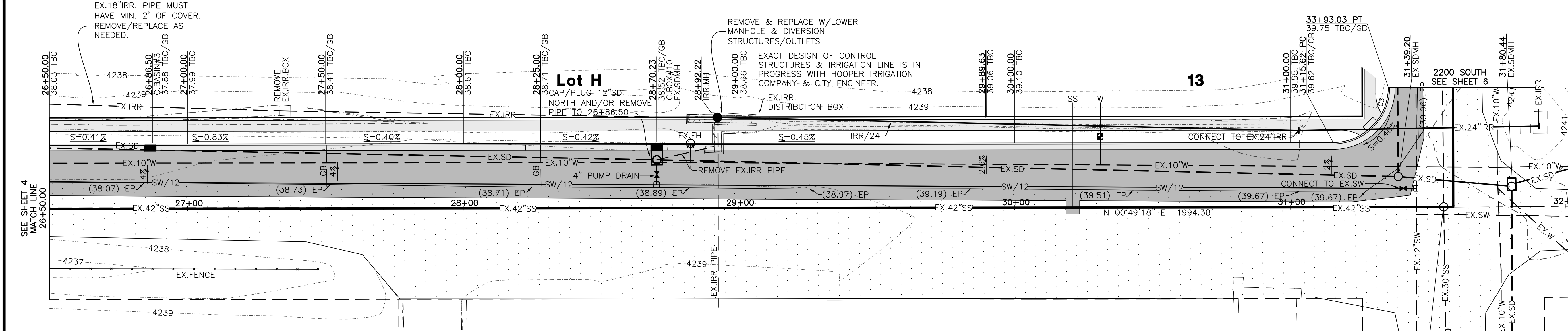
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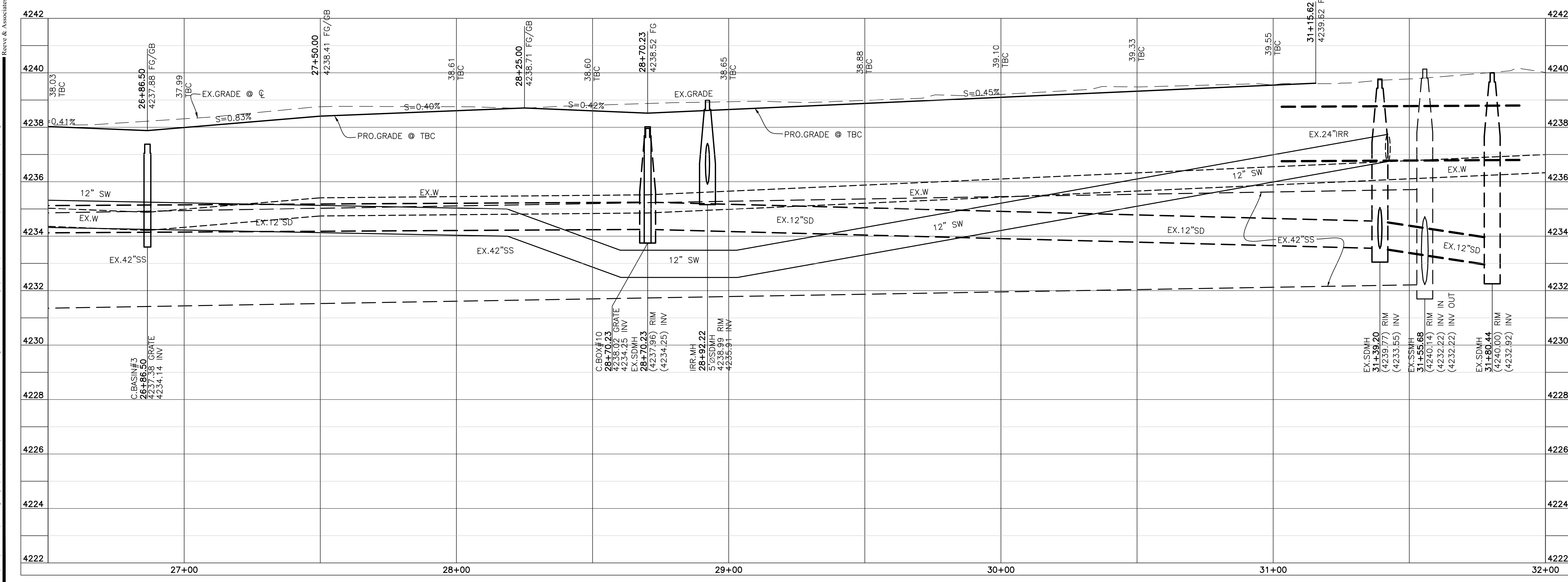
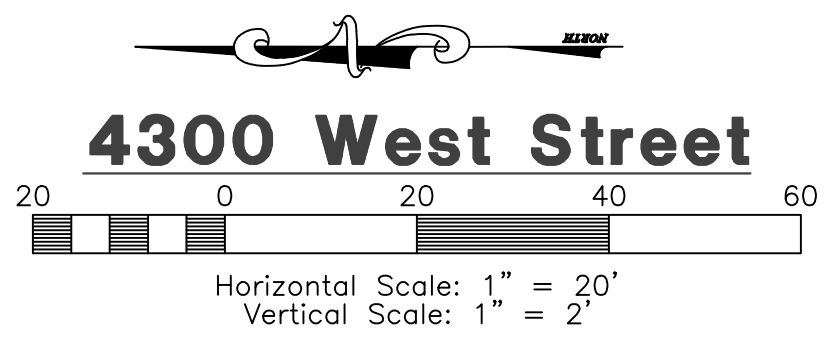


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#	Delta	Radius	Length	Tangent	Chord	CH Length
C3	90°02'34"	20.00'	31.43'	20.01'	S44°11'57"E	28.29'



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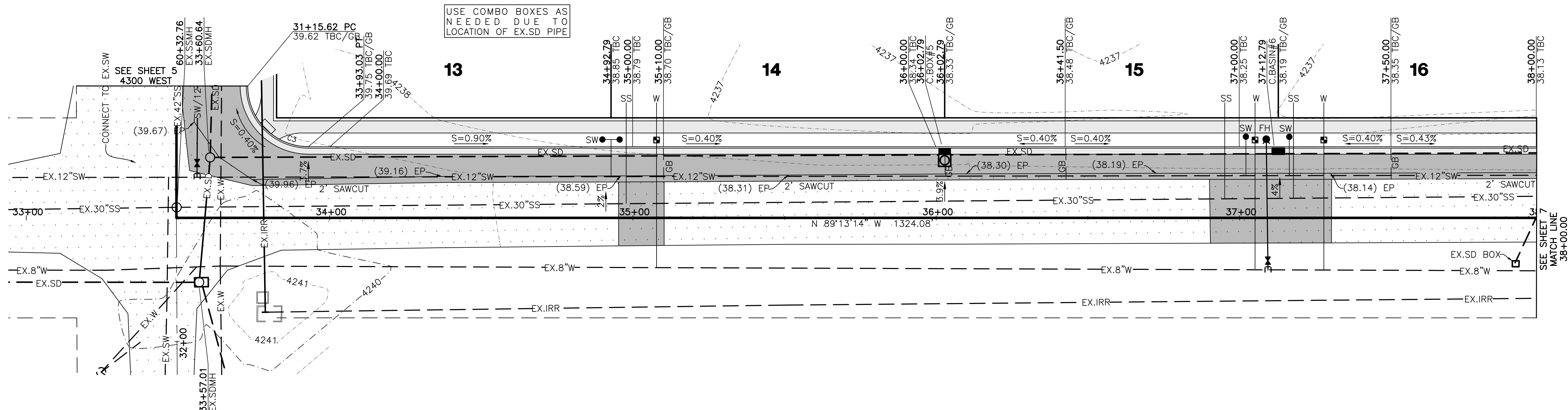
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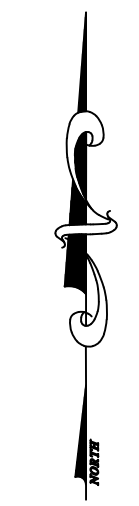
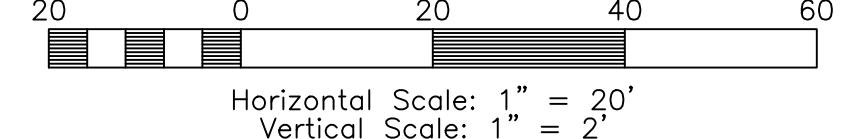


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Sheet **5** of **15** Sheets



2200 South Street

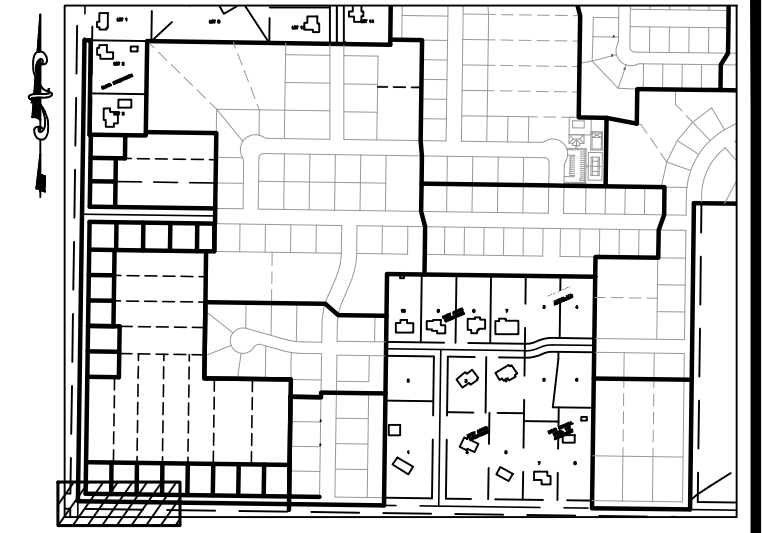


USE COMBO BOXES AS
NEEDED DUE TO
LOCATION OF EX.SD PIPE

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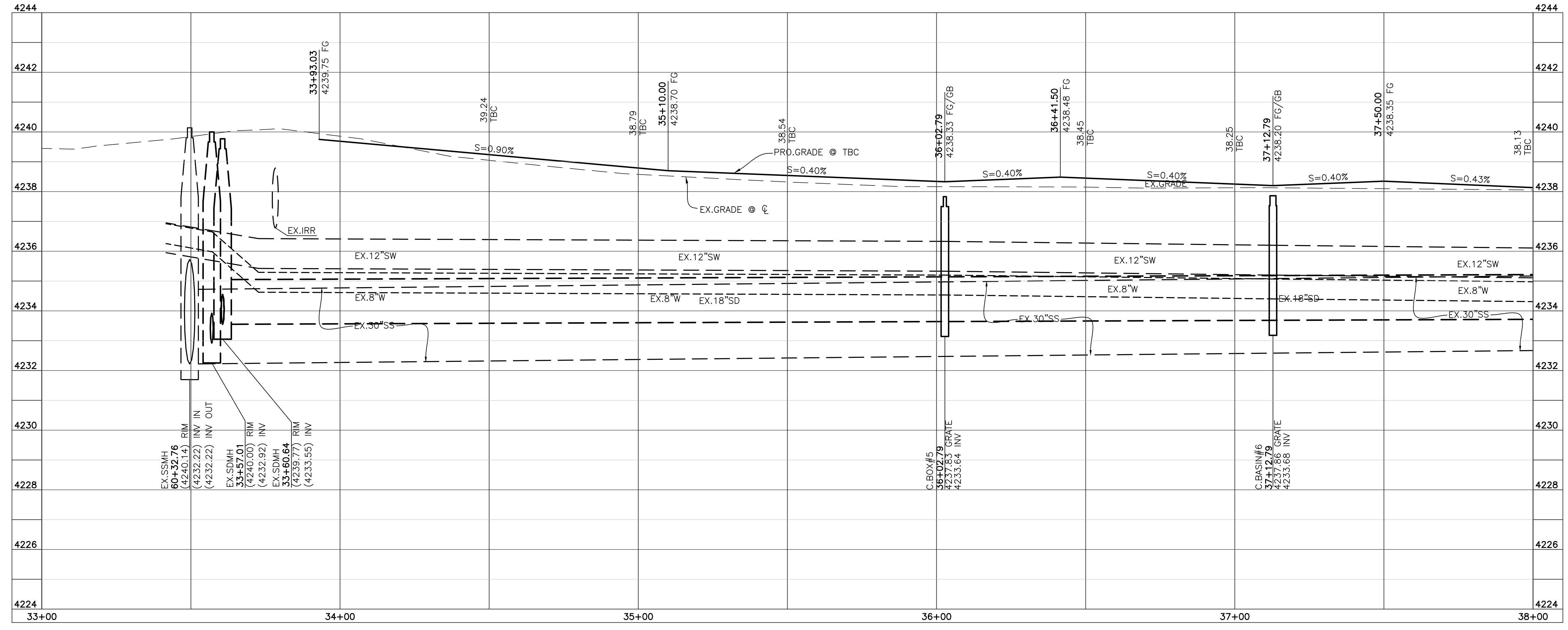
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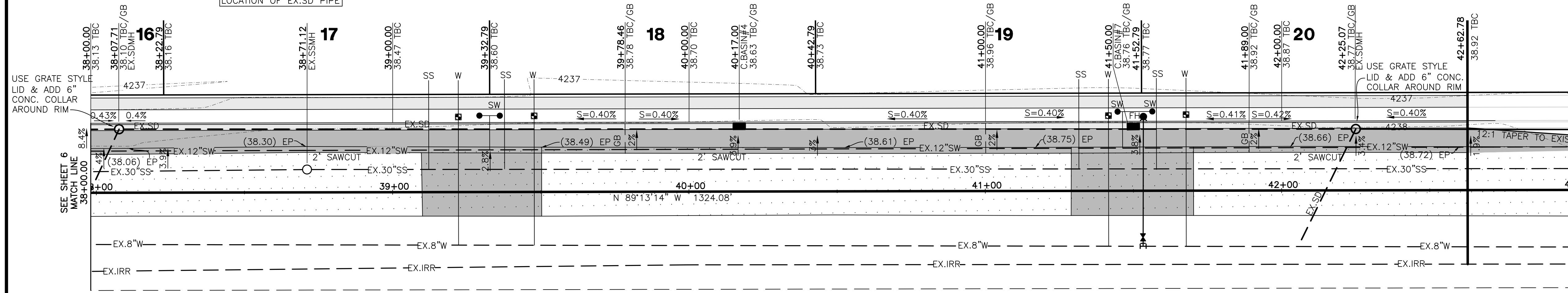
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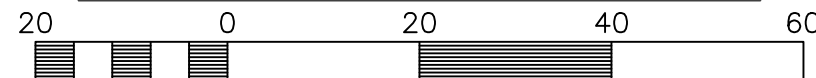
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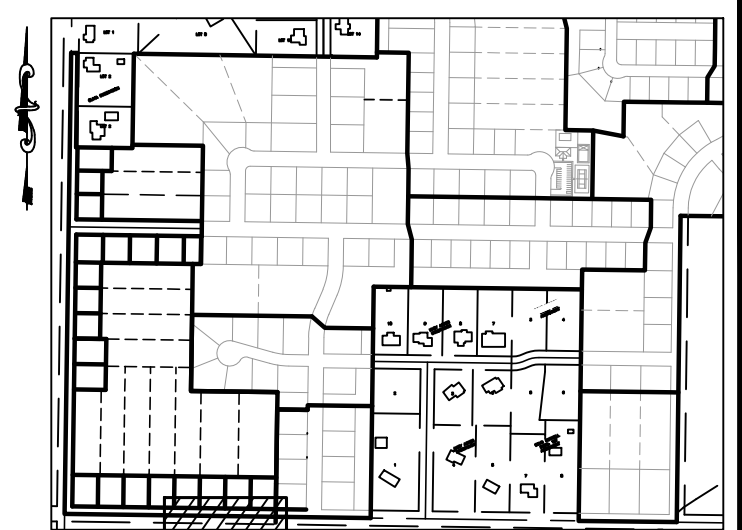
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Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 2'



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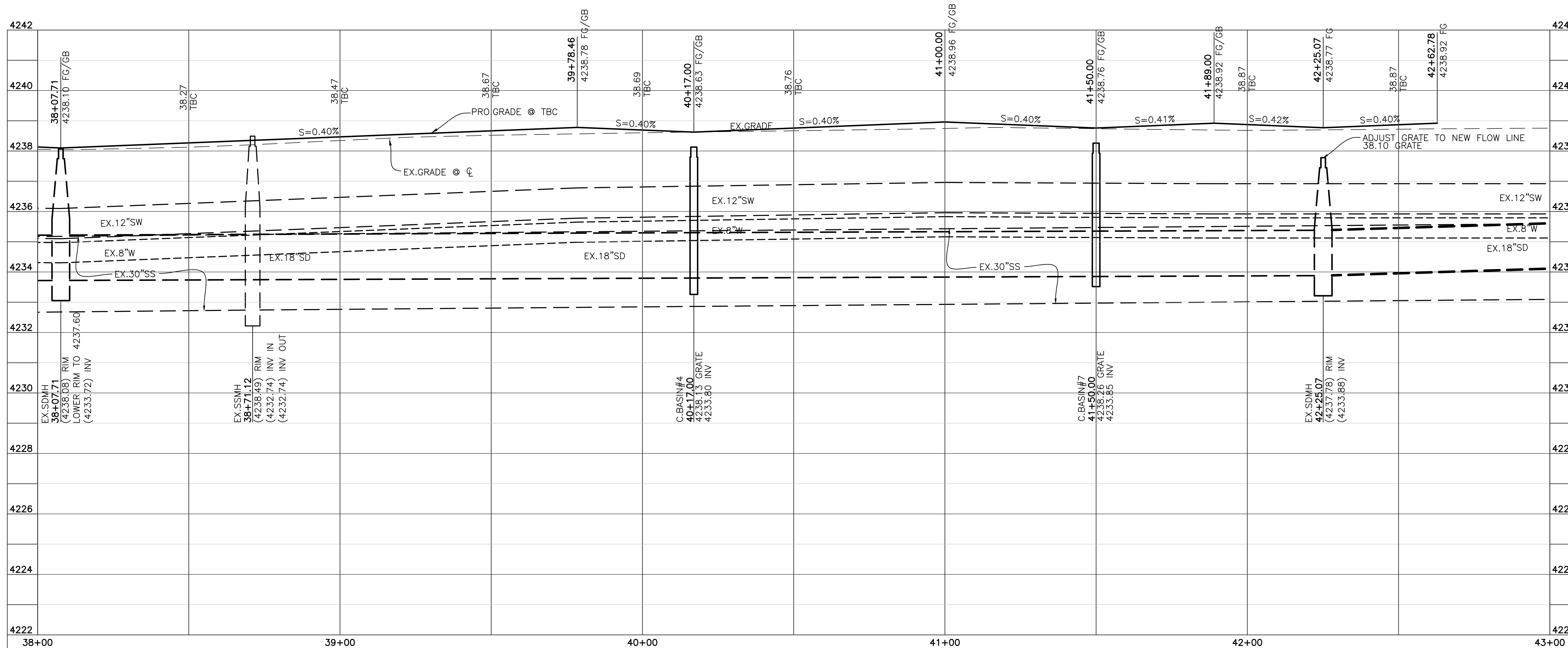
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REVISIONS

DESCRIPTION

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01/17/18 CK City Comments

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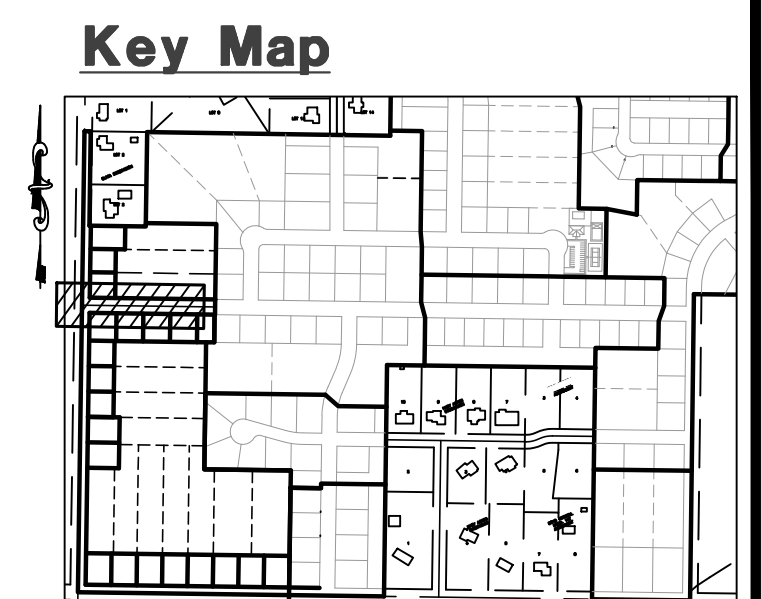
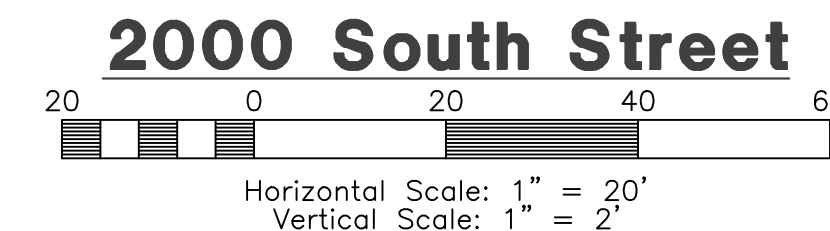
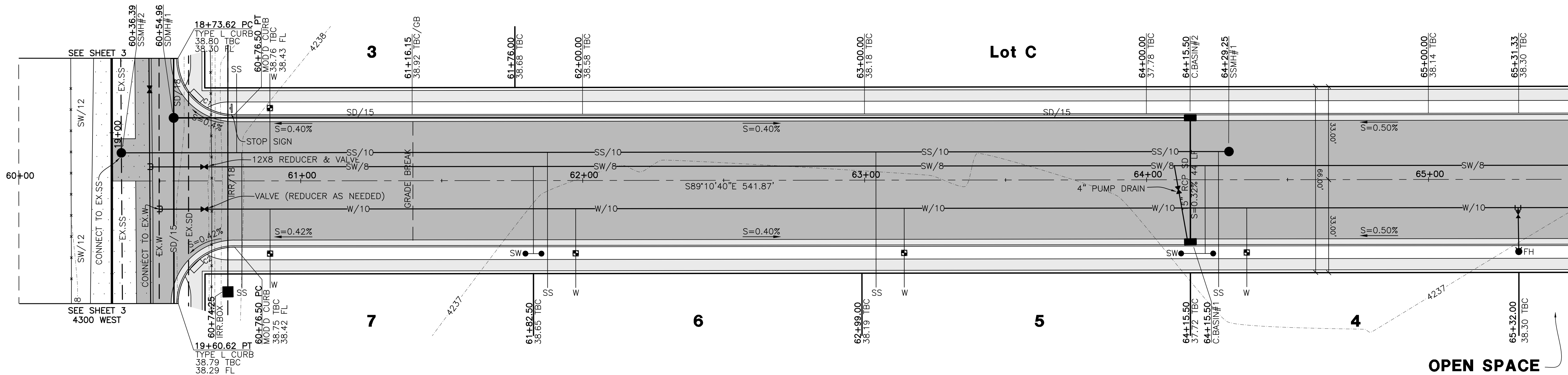
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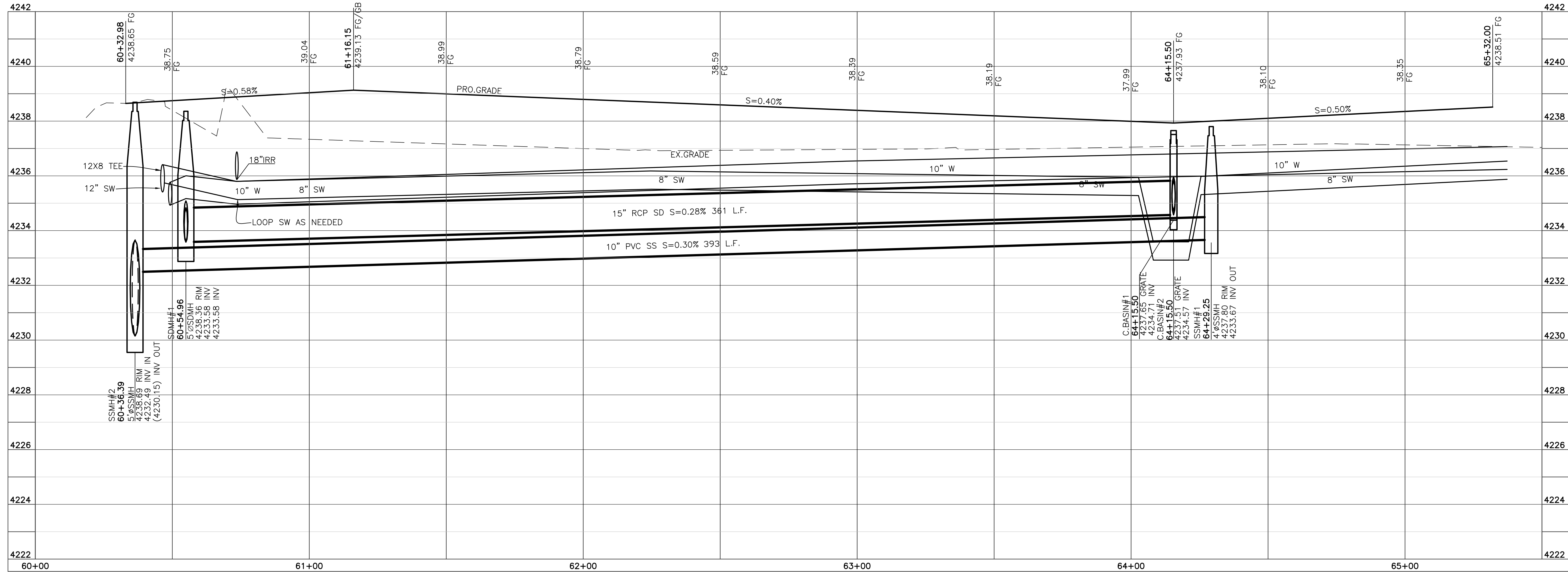
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- SANITARY SEWER**
 SS - 4" PVC SDR-35 SEWER LATERAL
 SS/10 - 10" PVC SDR-35 SEWER LINE
- STORM DRAIN**
 SD/12 - 12" RCP STORM DRAIN
 SD/15 - 15" RCP STORM DRAIN
 SD/18 - 18" RCP STORM DRAIN
 SD/21 - 21" RCP STORM DRAIN
 SD/24 - 24" RCP STORM DRAIN
- SECONDARY WATER**
 SW/12 - 12" PVC DR18 C-900 SW LINE
 SW/8 - 8" PVC DR18 C-900 SECONDARY WATER LINE
- IRRIGATION**
 IRR/18 - 18" RCP 14"x23" ELLIPTICAL PIPE

TBC Curve Data

#	Delta	Radius	Length	Tangent	Chord	CH Length
C1	90°00'00"	20.00'	31.42'	20.00'	S44°10'40"E	28.28'
C2	90°00'00"	20.00'	31.42'	20.00'	S45°49'20"W	28.28'



Blue Stakes Location Center
Call: Toll Free
1-800-662-4111
 Two Working Days Before You Dig

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REVISIONS

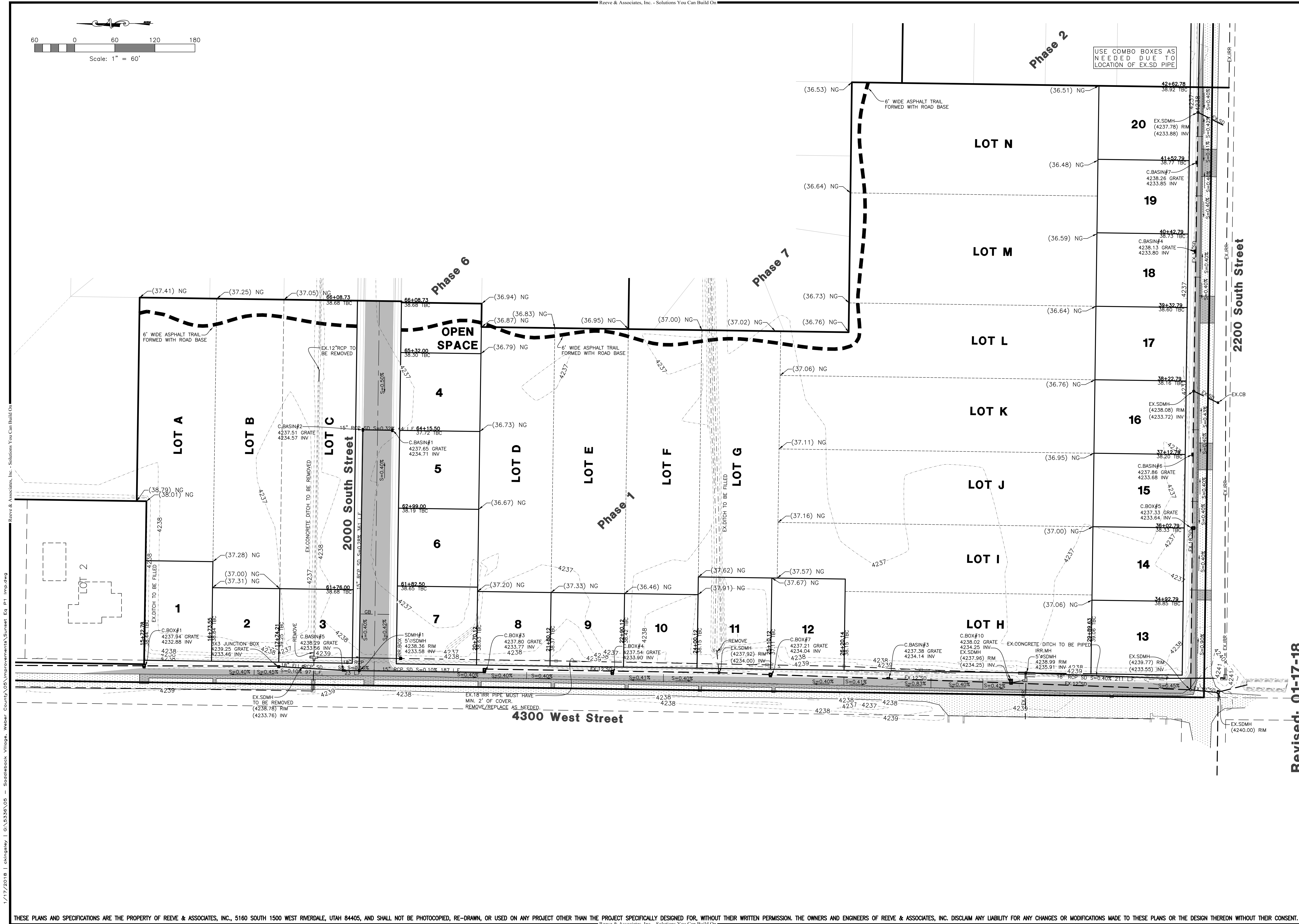
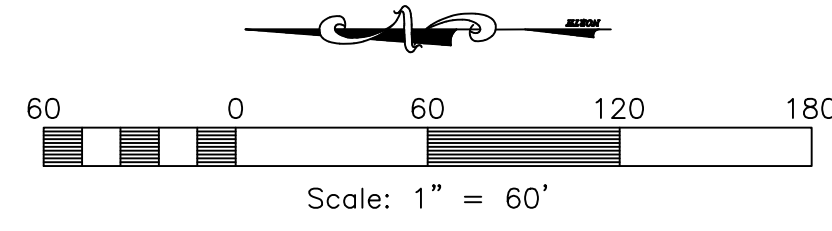
DATE	DESCRIPTION	BY	CHK	CITY COMMENTS
01/17/18				

Sunset Equestrian Cluster Subdivision
Phase 1
 WEBER COUNTY, UTAH

2000 South Street
60+00.00 - 65+50.00



Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: C. KINGSLEY
 Begin Date: SEPTEMBER 2017
 Name: SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
 Number: 5336-05



USE COMBO BOXES AS NEEDED DUE TO LOCATION OF EX.SD PIPE

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REVISIONS	DATE	DESCRIPTION
	01/17/18	CK City Comments

Sunset Equestrian Cluster Subdivision
Phase 1
 WEBER COUNTY, UTAH

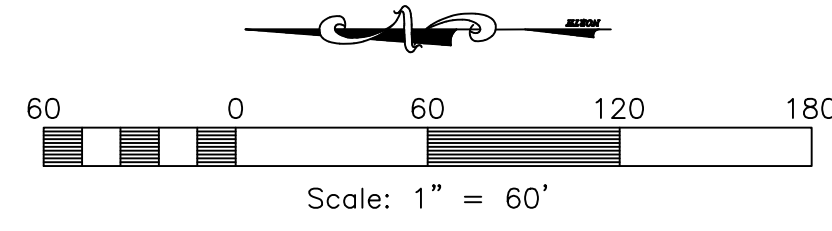
Grading & Drainage Plan



Project Info.

Engineer: J. NATE REEVE, P.E.
 Drafter: C. KINGSLEY
 Begin Date: SEPTEMBER 2017
 Name: SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
 Number: 5336-05

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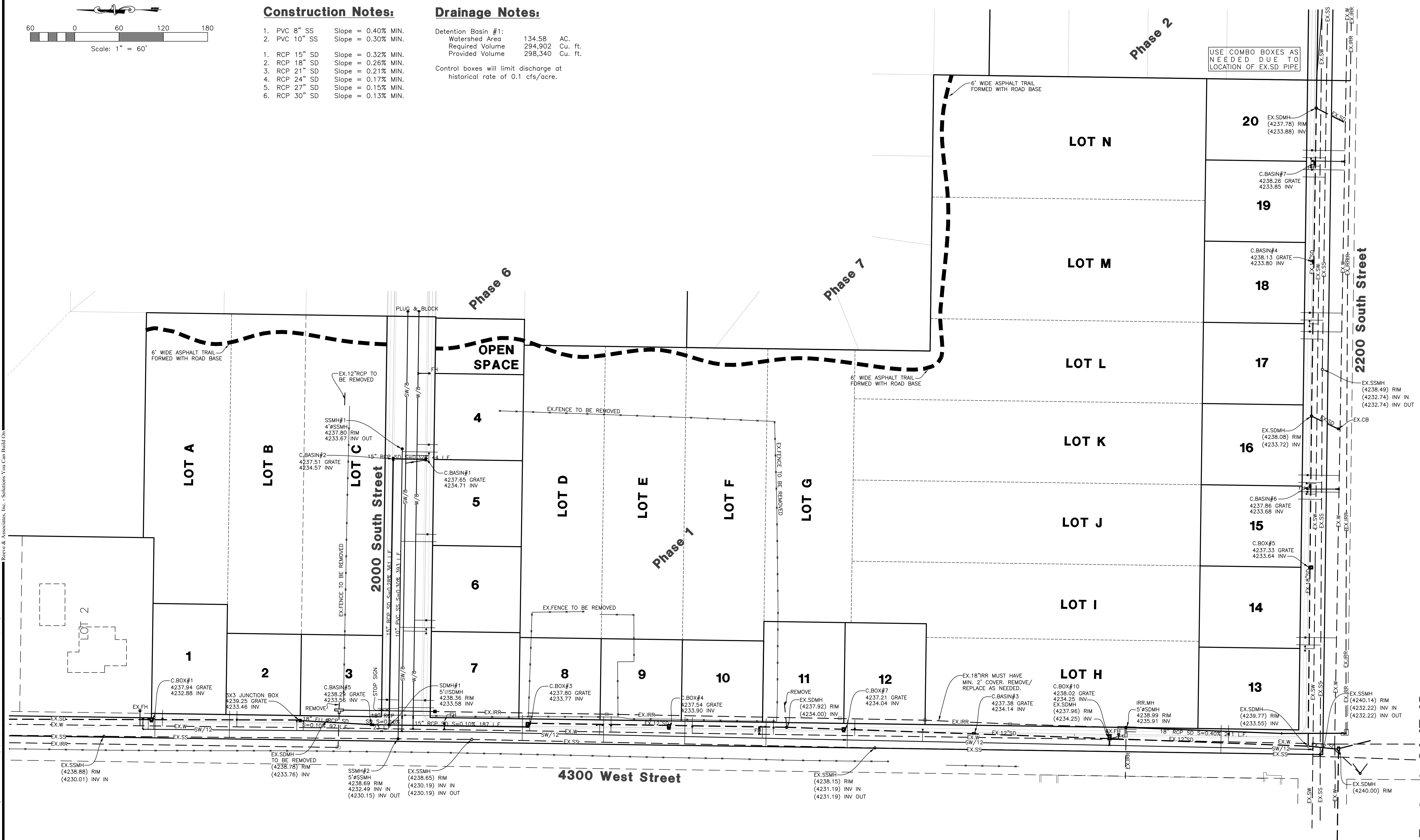


Construction Notes:

1. PVC 8" SS Slope = 0.40% MIN.
2. PVC 10" SS Slope = 0.30% MIN.
3. RCP 15" SD Slope = 0.32% MIN.
4. RCP 18" SD Slope = 0.26% MIN.
5. RCP 21" SD Slope = 0.21% MIN.
6. RCP 24" SD Slope = 0.17% MIN.
7. RCP 27" SD Slope = 0.15% MIN.
8. RCP 30" SD Slope = 0.13% MIN.

Drainage Notes:

Detention Basin #1:
 Watershed Area 134.58 AC.
 Required Volume 294,902 Cu. ft.
 Provided Volume 298,340 Cu. ft.
 Control boxes will limit discharge at historical rate of 0.1 cfs/acre.



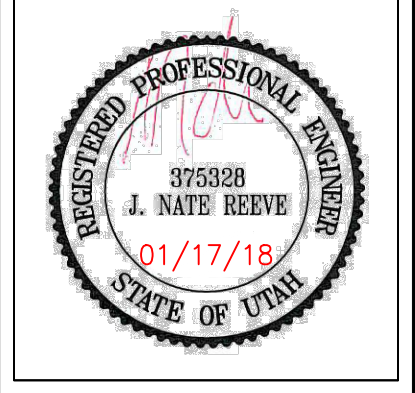
USE COMBO BOXES AS NEEDED DUE TO LOCATION OF EX.SD PIPE

Revised: 01-17-18

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REVISIONS	DATE	DESCRIPTION
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Sunset Equestrian Cluster Subdivision
Phase 1
 WEBER COUNTY, UTAH
Utility Plan

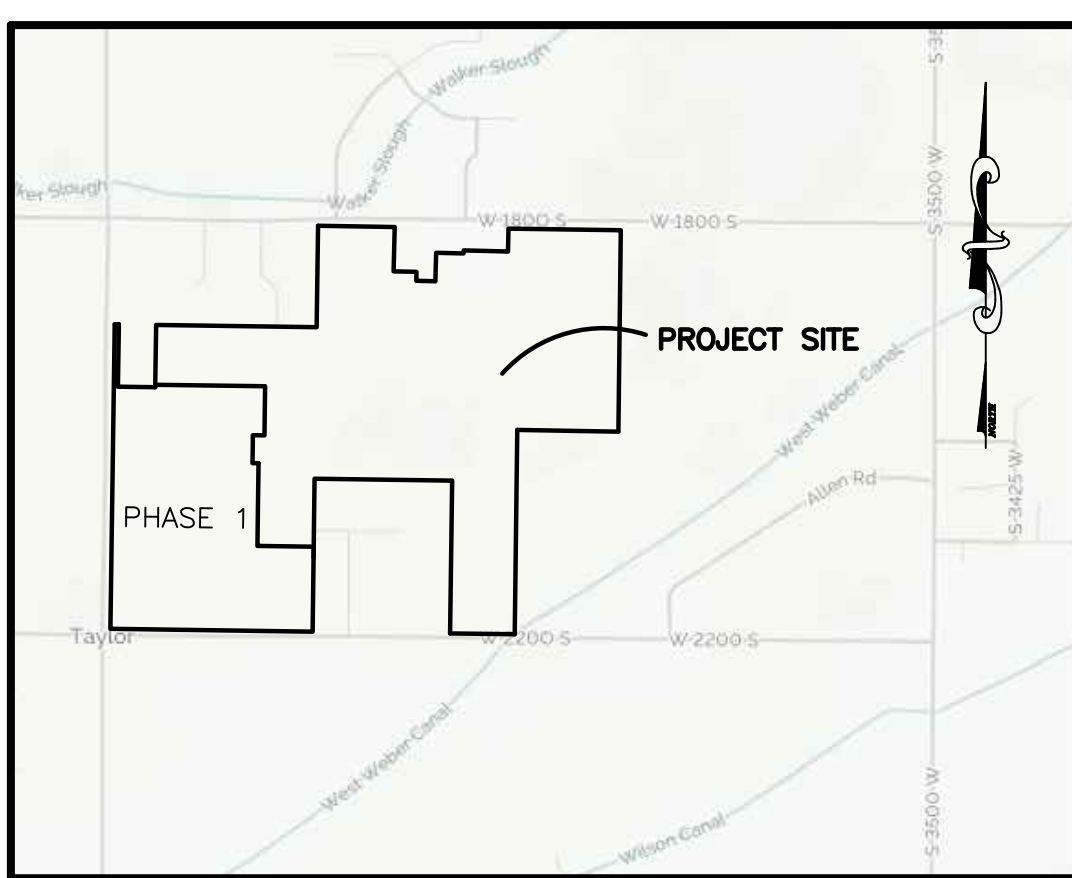
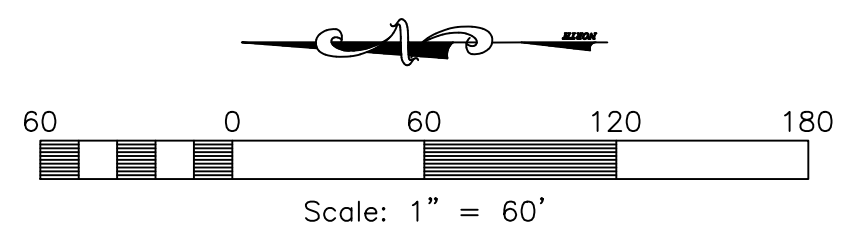


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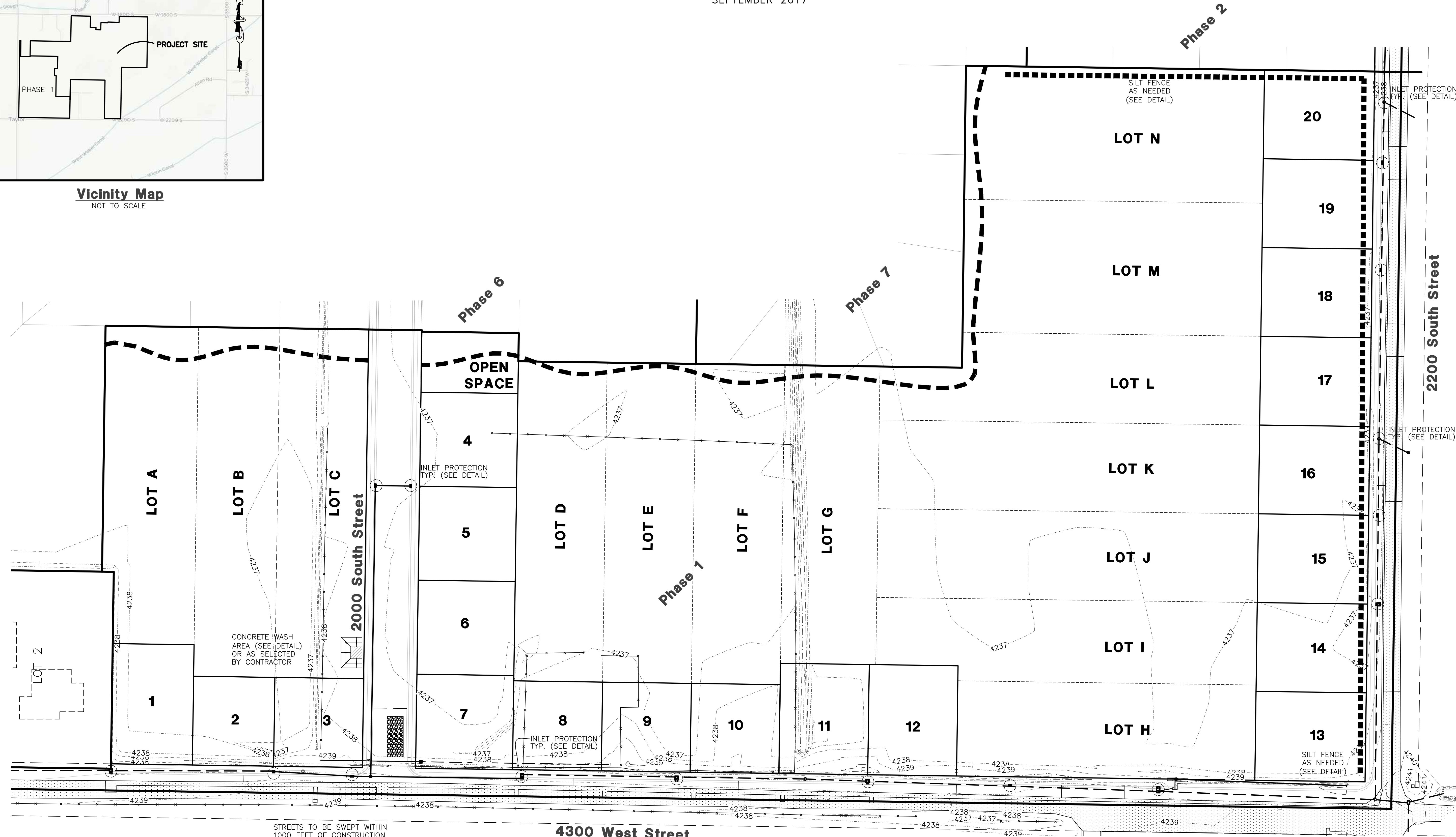
Engineer:	J. NATE REEVE, P.E.
Drafter:	C. KINGSLEY
Begin Date:	SEPTEMBER 2017
Name:	SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
Number:	5336-05

Sunset Equestrian Cluster Subdivision Phase 1 Storm Water Pollution Prevention Plan Exhibit

WEBER COUNTY, UTAH
SEPTEMBER 2017



Vicinity Map
NOT TO SCALE



STREETS TO BE SWEEPED WITHIN
1000 FEET OF CONSTRUCTION
ENTRANCE DAILY IF NECESSARY

ALL VEHICLES EXITING SITE
TO PROCEED THROUGH
CONSTRUCTION ENTRANCE
TO REDUCE AMOUNTS OF
SEDIMENT TRACKED ONTO
ROADWAYS.

50'x20' CONSTRUCTION
ENTRANCE W/8" CLEAN
GRAVEL

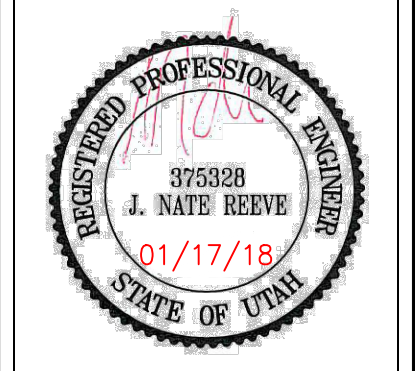
Construction Activity Schedule	
- PROJECT LOCATION.....	WEBER COUNTY, UTAH
- PROJECT BEGINNING DATE.....	SEPTEMBER 2017
- BMP'S DEPLOYMENT DATE.....	SEPTEMBER 2017
- STORM WATER MANAGEMENT CONTACT / INSPECTOR.....	CHRIS HAERTAL/DOUG NOSLER (949) 453-9279
- SPECIFIC CONSTRUCTION SCHEDULE INCLUDING BMP CONSTRUCTION SCHEDULE TO BE INCLUDED WITH SWPPP BY OWNER/DEVELOPER	

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REVISIONS	DATE	DESCRIPTION
	01/17/18	CK City Comments

**Sunset Equestrian Cluster Subdivision
Phase 1**
WEBER COUNTY, UTAH

**Storm Water Pollution
Prevention Plan Exhibit**

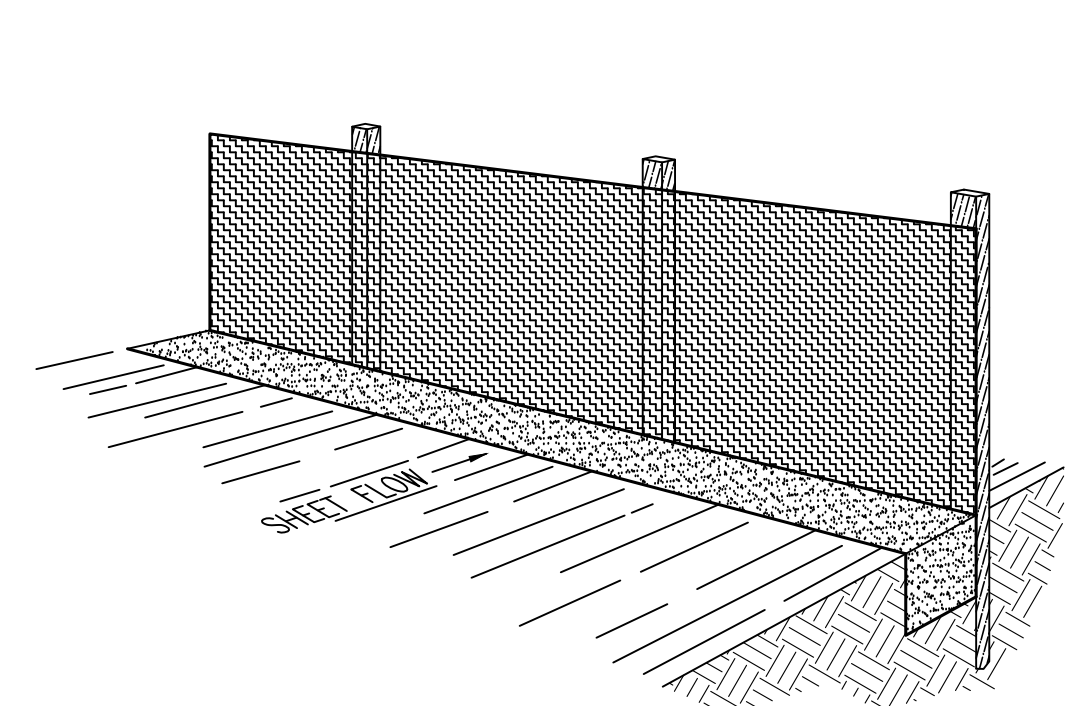


Project Info.	
Engineer:	J. NATE REEVE, P.E.
Drafter:	C. KINGSLEY
Begin Date:	SEPTEMBER 2017
Name:	SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
Number:	5336-05

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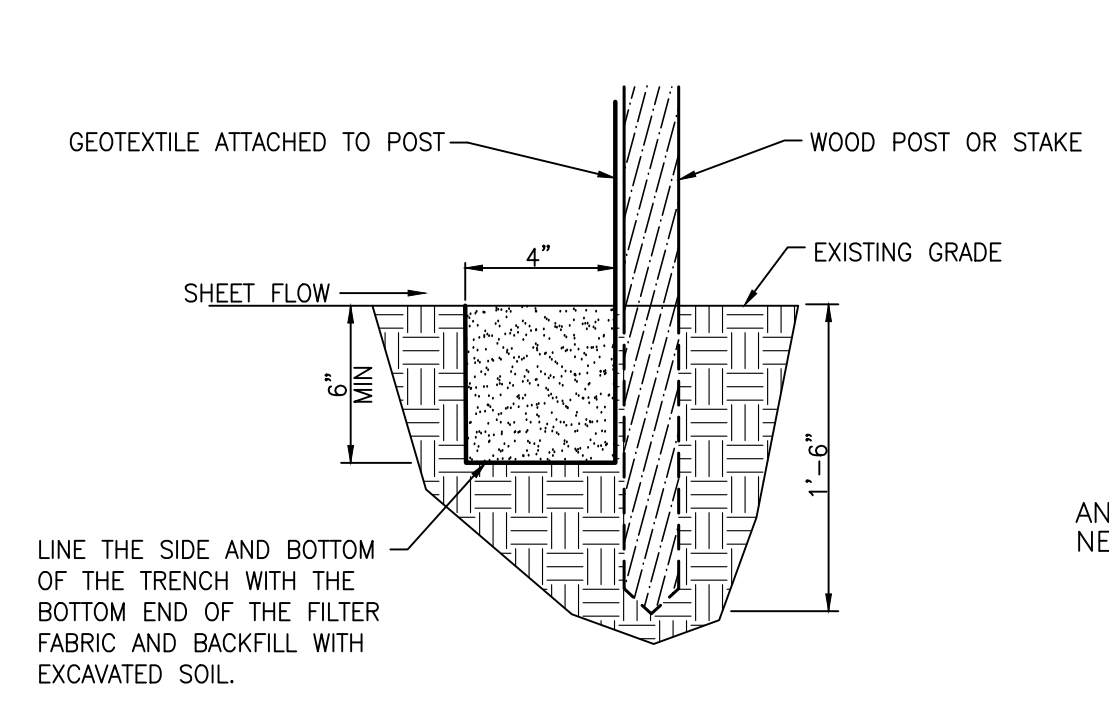
Notes:

- Describe all BMP's to protect storm water inlets:
All storm water inlets to be protected by straw wattle barriers, or gravel bags (see detail).
- Describe BMP's to eliminate/reduce contamination of storm water from:
 - Equipment / building / concrete wash areas:
To be performed in designated areas only and surrounded with silt fence barriers.
 - Soil contaminated by soil amendments:
If any contaminants are found or generated, contact environmental engineer and contacts listed.
 - Areas of contaminated soil:
If any contaminants are found or generated, contact environmental engineer and contacts listed.
 - Fueling area:
To be performed in designated areas only and surrounded with silt fence.
 - Vehicle maintenance areas:
To be performed in designated areas only and surrounded with silt fence.
 - Vehicle parking areas:
To be performed in designated areas only and surrounded with silt fence.
 - Equipment storage areas:
To be performed in designated areas only and surrounded with silt fence.
 - Materials storage areas:
To be performed in designated areas only and surrounded with silt fence.
 - Waste containment areas:
To be performed in designated areas only and surrounded with silt fence.
 - Service areas:
To be performed in designated areas only and surrounded with silt fence.
- BMP's for wind erosion:
Stockpiles and site as needed to be watered regularly to eliminate / control wind erosion
- Construction Vehicles and Equipment:
 - Maintenance
 - Keep vehicles and equipment clean, prevent excessive build-up of oil and grease.
 - Regularly inspect on-site vehicles and equipment for leaks, and repair immediately.
 - Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment on-site.
 - Segregate and recycle wastes, such as greases, used oil or oil filters, antifreeze, cleaning solutions, automotive batteries, hydraulic, and transmission fluids.
 - Fueling
 - If fueling must occur on-site, use designated areas away from drainage.
 - Locate on-site fuel storage tanks within a bermed area designed to hold the tank volume.
 - Cover retention area with an impervious material and install in a manner to ensure that any spills will be contained in the retention area. To catch spills or leaks when removing or changing fluids.
 - Use drip pans for any oil or fluid changes.
 - Washing
 - Use as little water as possible to avoid installing erosion and sediment controls for the wash area.
 - If washing must occur on-site, use designated, bermed wash areas to prevent waste water discharge into storm water, creeks, rivers, and other water bodies.
 - Use phosphate-free, biodegradable soaps.
 - Do not permit steam cleaning on-site.
- Spill Prevention and Control
 - Minor Spills:
Minor spills are those which are likely to be controlled by on-site personnel. After contacting local emergency response agencies, the following actions should occur upon discovery of a minor spill:
 - Contain the spread of the spill.
 - If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (i.e. absorbent materials, cat litter, and / or rags).
 - If the spill occurs in dirt areas, immediately contain the spill by constructing an earth dike. Dig up and properly dispose of contaminated soil.
 - If the spill occurs during rain, cover the impacted area to avoid runoff.
 - Record all steps taken to report and contain spill.
 - Major Spills:
On-site personnel should not attempt to control major spills until the appropriate and qualified emergency response staff have arrived at the site. For spills of federal reportable quantities, also notify the National Response Center at (800) 424-8802. A written report should be sent to all notified authorities. Failure to report major spills can result in significant fines and penalties.
- Post Roadway / Utility Construction
 - Maintain good housekeeping practices.
 - Enclose or cover building material storage areas.
 - Properly store materials such as paints and solvents.
 - Store dry and wet materials under cover, away from drainage areas.
 - Avoid mixing excess amounts of fresh concrete or cement on-site.
 - Perform washout of concrete trucks offsite or in designated areas only.
 - Do not wash out concrete trucks into storm drains, open ditches, streets or streams.
 - Do not place material or debris into streams, gutters or catch basins that stop or reduce the flow of runoff water.
 - All public streets and storm drain facilities shall be maintained free of building materials, mud and debris caused by grading or construction operations. Roads will be swept within 1000' of construction entrance daily, if necessary.
 - Install straw wattle around all inlets contained within the development and all others that receive runoff from the development.
- Erosion Control Plan Notes
 - The contractor will designate an emergency contact that can be reached 24 hours a day 7 days a week.
 - A stand-by crew for emergency work shall be available at all times during potential rain or snow runoff events. Necessary materials shall be available on site and stockpiled at convenient locations to facilitate rapid construction of emergency devices when rain or runoff is eminent.
 - Erosion control devices shown on the plans and approved for the project may not be removed without approval of the engineer of record. If devices are removed, no work may continue that have the potential of erosion without consulting the engineer of record. If deemed necessary erosion control should be reestablished before this work begins.
 - Graded areas adjacent to fill slopes located at the site perimeter must drain away from the top of the slope at the conclusion of each working day. This should be confirmed by survey or other means acceptable to the engineer of record.
 - All silt and debris shall be removed from all devices within 24 hours after each rain or runoff event.
 - Except as otherwise approved by the inspector, all removable protective devices shown shall be in place at the end of each working day and through weekends until removal of the system is approved.
 - All loose soil and debris, which may create a potential hazard to offsite property, shall be removed from the site as directed by the engineer of record of the governing agency.
 - The placement of additional devices to reduce erosion damage within the site is left to the discretion of the engineer of record.
 - Desilting basins may not be removed or made inoperable without the approval of the engineer of record and the governing agency.
 - Erosion control devices will be modified as need as the project progresses and plans of these changes submitted for approval by the engineer of record and the governing agency.
- Conduct a minimum of one inspection of the erosion and sediment controls every two weeks. Maintain documentation on site.
 - Part III.D.4 of general permit UTR300000 identifies the minimum inspection requirements.
 - Part II.D.4.C identifies the minimum inspection report requirements.
 - Failure to complete and/or document storm water inspections is a violation of part III.D.4 of Utah General Permit UTR 300000.



Perspective View

Figure 2



Section

INSTALLATION

The silt fence should be installed prior to major soil disturbances in the drainage area. The fence should be placed across the slope along a line of uniform elevation wherever flow of sediment is anticipated. Table 1 shows generally-recommended maximum slope lengths (slope spacing between fences) at various site grades for most silt fence applications.

Slope Steepness (%)	Max. Slope Length (m)	Max. Slope Length (ft)
<2%	30.5m	(100ft)
2-5%	22.9m	(75ft)
5-10%	15.2m	(50ft)
10-20%	7.6m	(25ft)
>20%	4.5m	(15ft)

PREFABRICATED SILT FENCE ROLLS
 *Excavate a minimum 15.2cm x 15.2cm (6"x6") trench at the desired location.
 *Unroll the silt fence, positioning the post against the downstream wall of the trench.
 *Adjacent rolls of silt fence should be joined by nesting the end post of one fence into the other. Before nesting the end posts, rotate each post until the geotextile is wrapped completely around the post, then about the end posts to create a tight seal as shown in Figure 1.
 *Drive posts into the ground until the required fence height and/or anchorage depth is obtained.
 *Bury the loose geotextile at the bottom of the fence in the upstream trench and backfill with natural soil, tamping the backfill to provide good compaction and anchorage. Figure 2 illustrates a typical silt fence installation and anchor trench placement.

should generally be less than three (3) times the height of the fence.
 *If a steel or plastic mesh is required to reinforce the geotextile, it shall have a minimum mesh opening of 15.2cm (6").
 *Fasten the mesh to the upslope side of the posts using heavy duty wire staples, tie wires or hog strings. Extend the mesh into the bottom of the trench.
 *The geotextile shall then be stapled or wired to the posts. An extra 20-50cm (8-20") of geotextile shall extend into the trench.

REMOVAL
 *Silt fence should not be removed until construction ceases and the upslope area has been properly stabilized and/or revegetated.

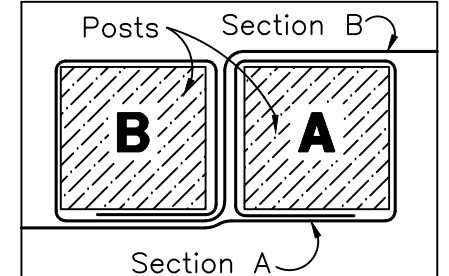
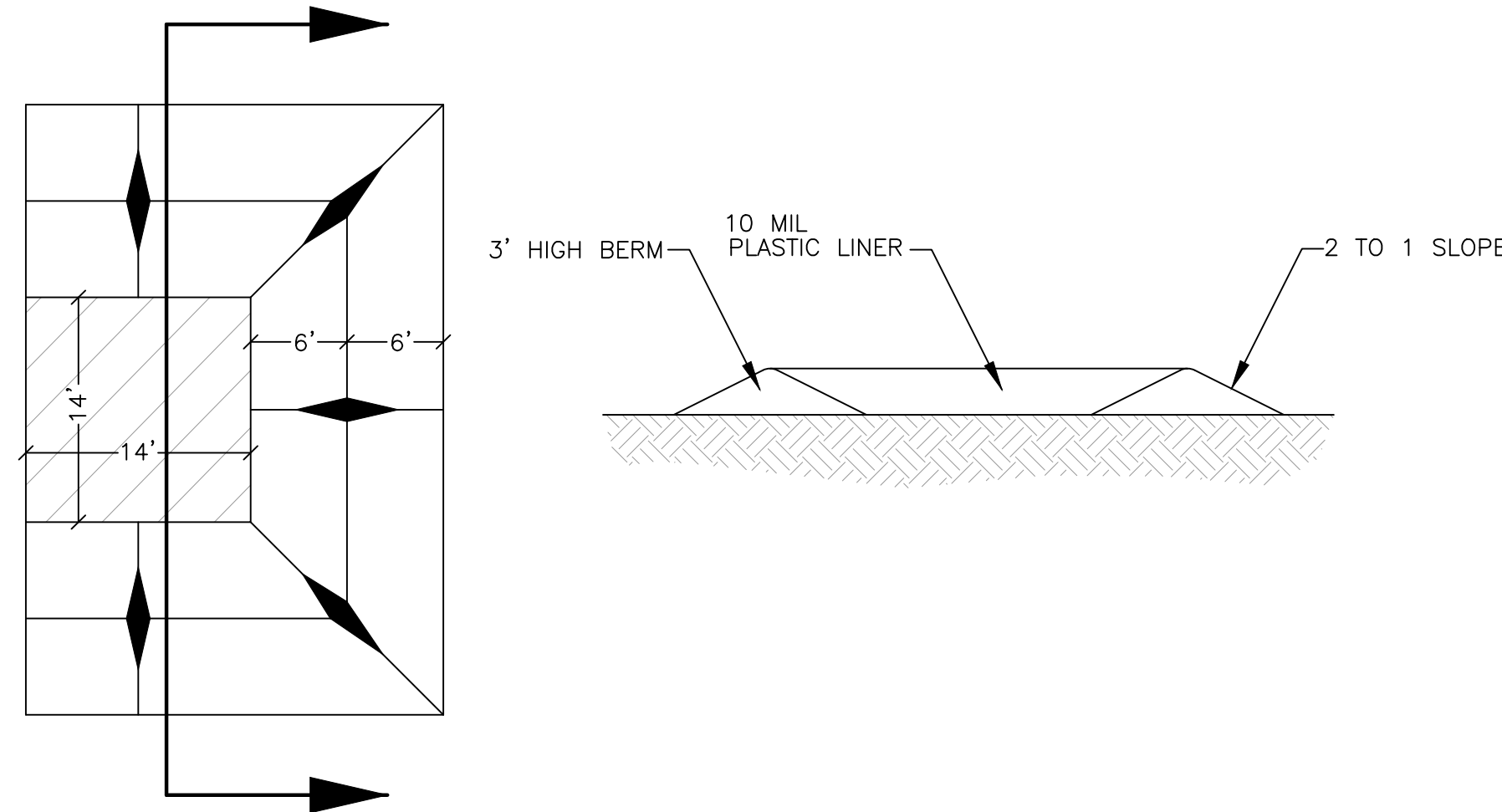


Figure 1: Top View of Roll-to-Roll Connection

FIELD ASSEMBLY:
 *Excavate a minimum 15.2cm x 15.2cm (6"x6") trench at the desired location.
 *Drive wooden posts, or steel posts with fastening projections, against the downstream wall of the trench. Maximum post spacing should be 2.4-3.0m (8-10ft). Post spacing

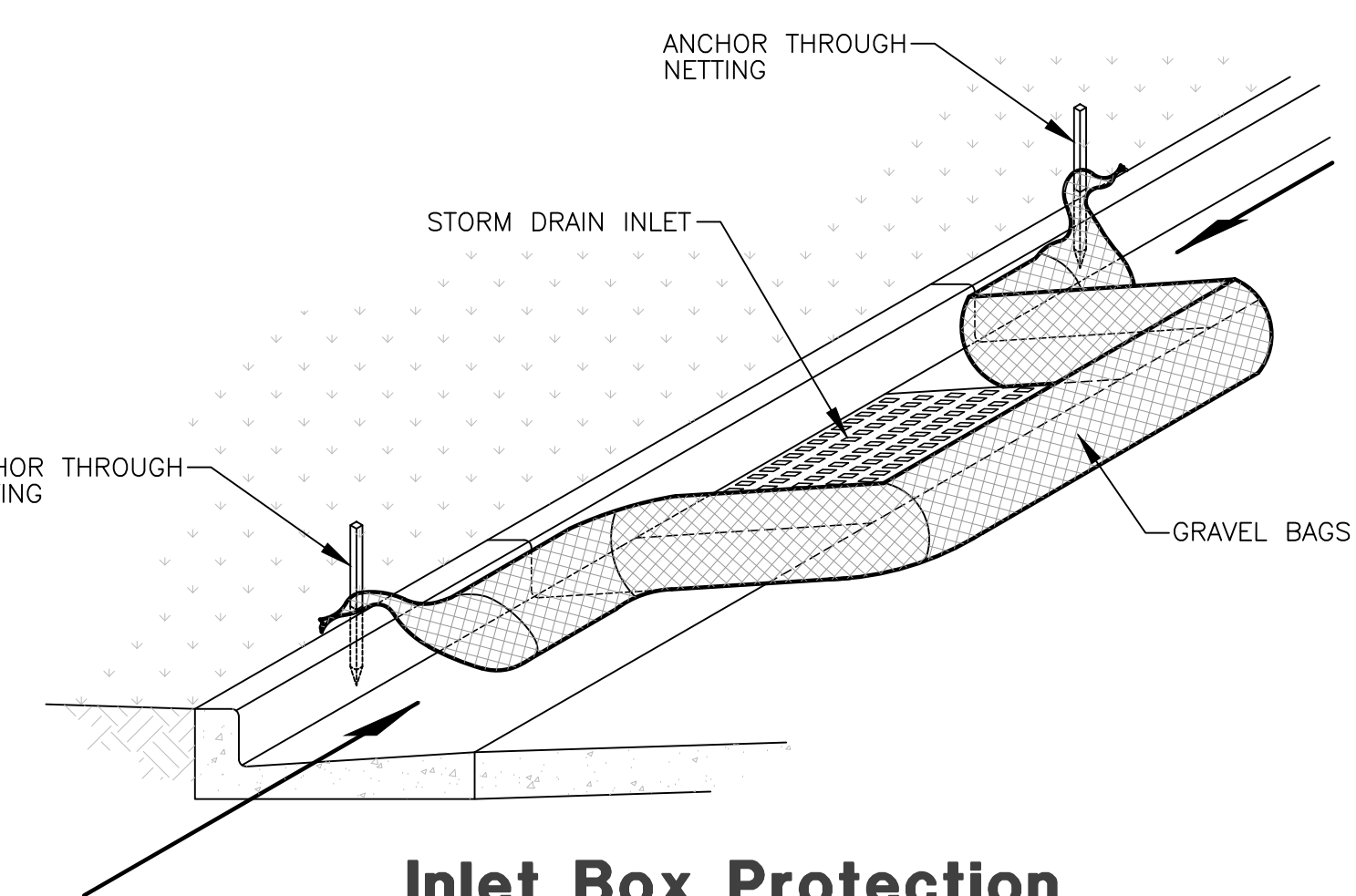
Silt Fence Detail

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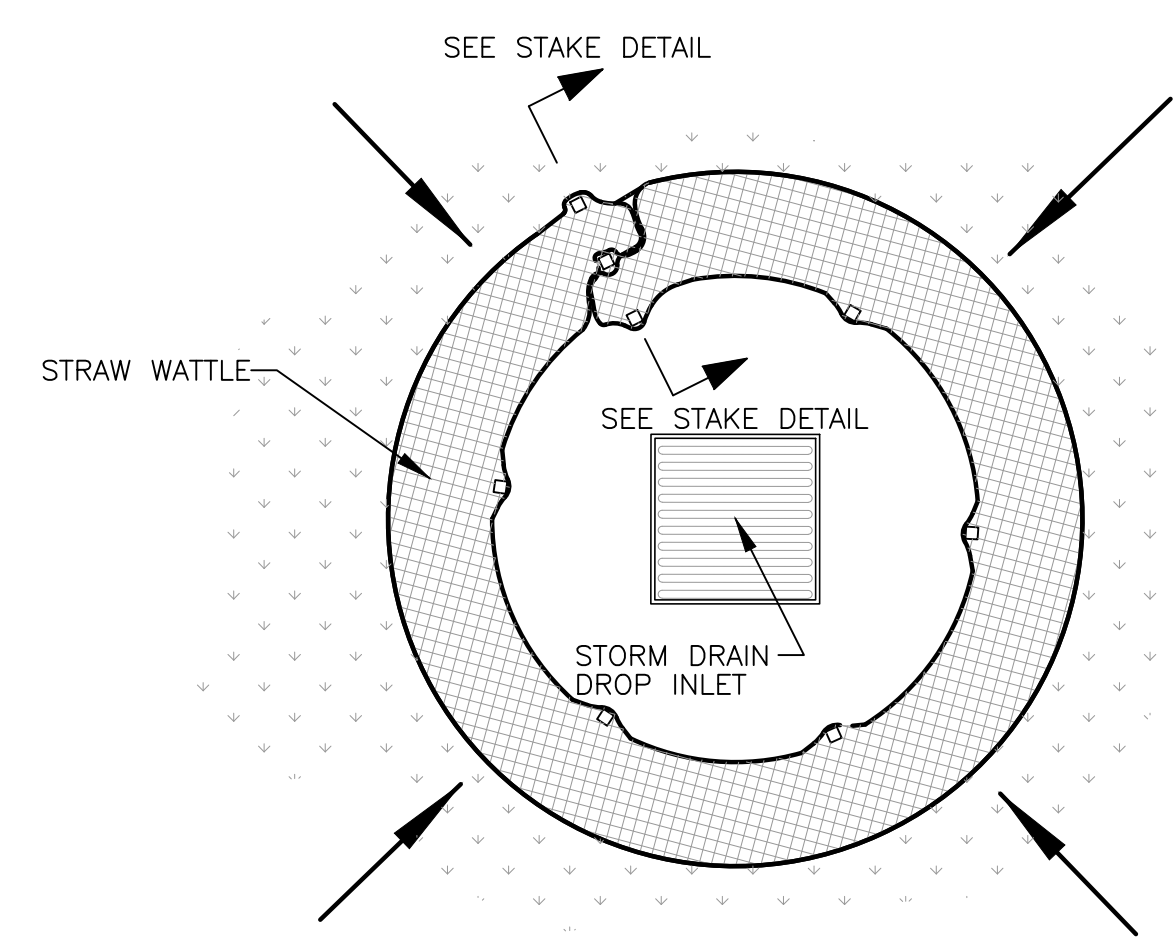


Concrete Washout Area w/ 10 mil Plastic Liner

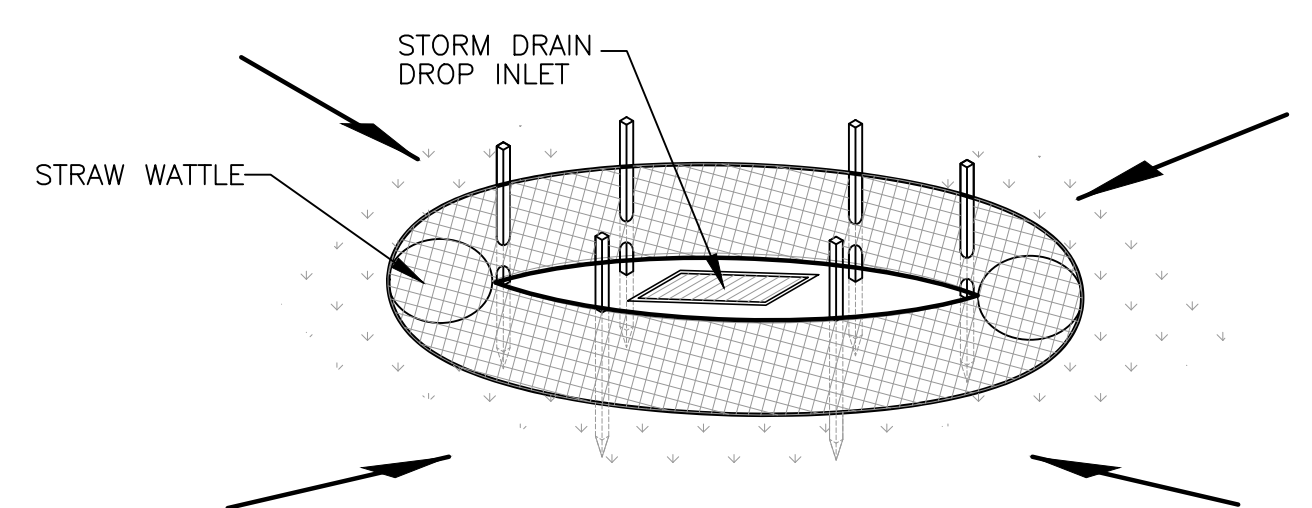
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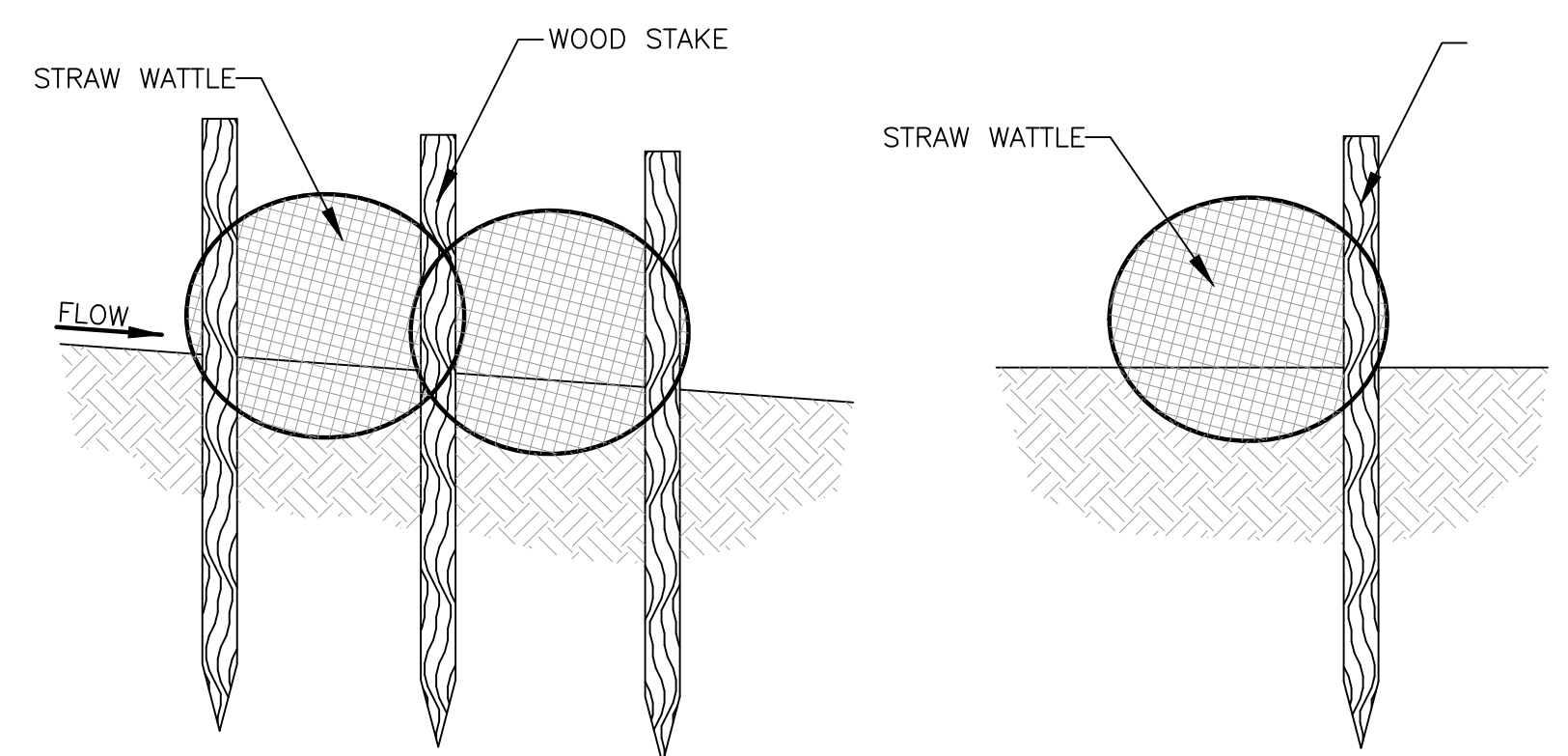
Inlet Box Protection



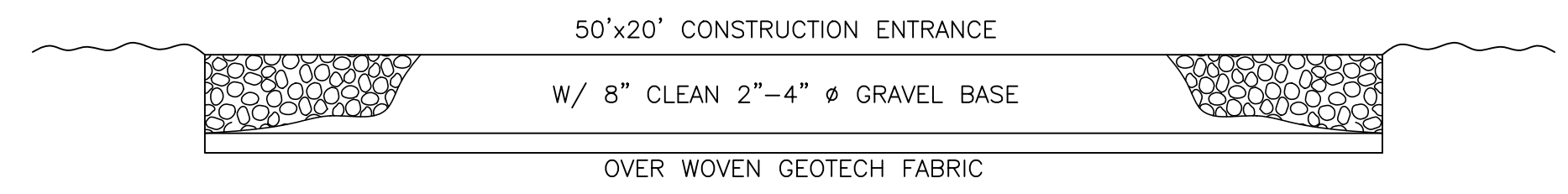
Plan View



Drop Inlet Protection



Stake Detail



Cross Section 50' x 20' Construction Entrance

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REVISIONS	DESCRIPTION
DATE	DATE
01/17/18	CK City Comments

Sunset Equestrian Cluster Subdivision Phase 1
 WEBER COUNTY, UTAH
Storm Water Pollution Prevention Plan Details

Revised: 01-17-18

REGISTERED PROFESSIONAL ENGINEER
 375528
 J. NATE REEVE
 01/17/18
 STATE OF UTAH

Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: C. KINGSLEY
 Begin Date: SEPTEMBER 2017
 Name: SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
 Number: 5336-05

Sheet **15**
 12 Sheets

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 TYPICAL TRENCH SECTION.....3
 UDOT CROSSING DETAIL.....4
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 AIR/VAC DETAIL.....7
 CASED CROSSING DETAIL.....8
 BLOW OFF VALVE DETAIL.....9

NOTE:
 1. CONCRETE SHALL NOT BE PLACED AROUND JOINTS AND BOLTS. COVER ALL METAL CONTACT AREAS WITH A POLY WRAP PRIOR TO CONCRETE PLACEMENT.
 2. IN THE ABSENCE OF A SOIL REPORT, ALL THRUST BLOCKS SHALL BE SIZED ON THE BASIS OF A MAXIMUM LATERAL BEARING VALUE OF 800 P.S.F. AND A THRUST RESULTING FROM 100% OF THE WATER LINE STATIC PRESSURE.

SIZE	BENDS	TURNS	GATE VALVES	DEAD ENDS	CROSSING THROUGH PIPES	SPRAYED ON
3	1.0	0.0	0.5	0	0.5	0.7
4	1.8	1.0	0.5	0	1.3	1.3
5	4.0	2.2	1.1	0	2.8	2.8
8	7.1	3.8	2.0	1.0	5.0	5.0
10	11.1	6.0	3.0	1.5	7.8	7.8
12	16.0	8.6	4.4	2.2	11.3	11.3
14	21.7	11.8	6.0	3.0	15.4	15.4
15	25.0	13.5	7.0	3.5	17.8	17.8
16	28.4	15.3	8.0	4.0	20.0	20.0
18	36.0	19.4	10.0	5.0	25.4	25.4
20	44.2	24.0	12.2	6.1	31.4	31.4
21	49.0	26.5	13.5	6.8	34.6	34.6
22	54.0	29.0	14.8	7.4	38.0	38.0
24	64.0	34.5	17.7	8.8	45.0	45.0
30	100.0	54.0	27.6	13.8	71.0	71.0
36	144.0	79.0	40.0	20.0	102.0	102.0

*SIZE IS BRANCH SIZE.
 FOR 100 P.S.I. INTERNAL STATIC PRESSURE AND 1000 LBS. PER SQ. FT. SOIL BEARING CAPACITY.

THRUST BLOCKING DETAIL
 1 APPLIES TO ALL PRESSURE PIPE (NOT TO SCALE)

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TAYLOR - WEST WEBER
 WATER IMPROVEMENT DISTRICT
 STANDARD WATER DETAILS - Page 1 of 9

TYPICAL VALVE DETAIL
 (NOT TO SCALE)

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 WATER RESOURCES

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 WATER IMPROVEMENT DISTRICT
 STANDARD WATER DETAILS - Page 2 of 9

TYPICAL TRENCH SECTION
 (NOT TO SCALE)

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 WATER RESOURCES

TAYLOR - WEST WEBER
 WATER IMPROVEMENT DISTRICT
 STANDARD WATER DETAILS - Page 3 of 9

TYPICAL SERVICE CONNECTION
 (NOT TO SCALE)

Gardner Engineering
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 WATER RESOURCES

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 STANDARD WATER DETAILS - Page 5 of 9

FIRE HYDRANT DETAIL
 (NOT TO SCALE)

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 LAND SURVEYING
 WATER RESOURCES

TAYLOR - WEST WEBER
 WATER IMPROVEMENT DISTRICT
 STANDARD WATER DETAILS - Page 6 of 9

AIR/VAC VALVE DETAIL
 (NOT TO SCALE)

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 WATER RESOURCES

TAYLOR - WEST WEBER
 WATER IMPROVEMENT DISTRICT
 STANDARD WATER DETAILS - Page 7 of 9

TYPICAL BLOW OFF VALVE DETAIL
 (NOT TO SCALE)

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 WATER RESOURCES

TAYLOR - WEST WEBER
 WATER IMPROVEMENT DISTRICT
 STANDARD WATER DETAILS - Page 9 of 9

Revised: 01-17-18

Sunset Equestrian Cluster Subdivision Phase 1
 WEBER COUNTY, UTAH

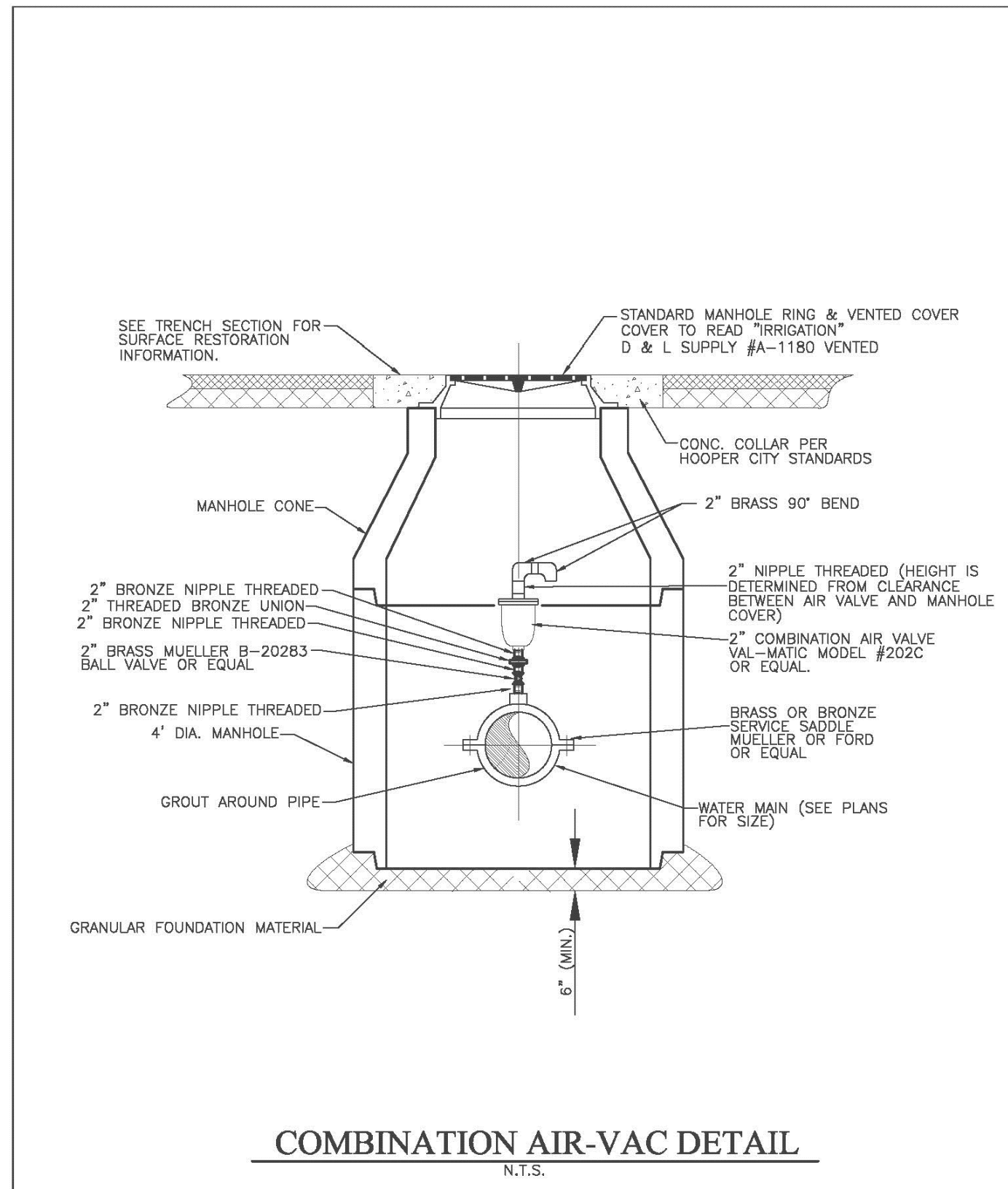
Taylor - West Weber Water Improvement District Standard Water Details

REGISTERED PROFESSIONAL ENGINEER
 No. 354312
 Daniel Leon White
 STATE OF UTAH

REGISTERED PROFESSIONAL ENGINEER
 No. 375028
 J. NATE REEVE
 STATE OF UTAH

Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: C. KINGSLEY
 Begin Date: SEPTEMBER 2017
 Name: SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
 Number: 5336-05

Sheet **13** of **15** Sheets



COMBINATION AIR-VAC DETAIL
N.T.S.

REVISION

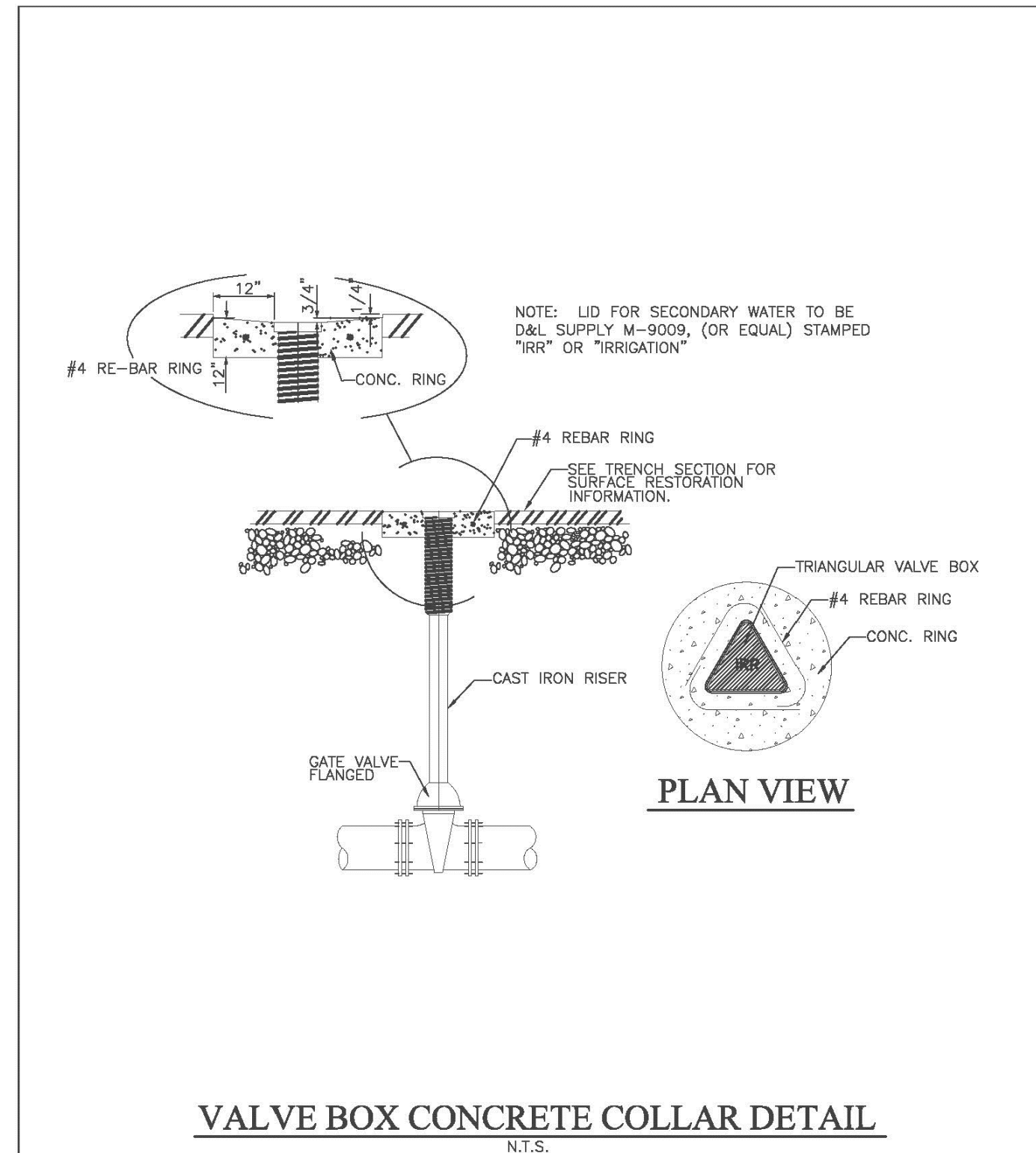
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PI-1 SHEET
COMBINATION AIR-VAC DETAIL

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NO.	DESCRIPTION	BY	DATE



VALVE BOX CONCRETE COLLAR DETAIL
N.T.S.

REVISION

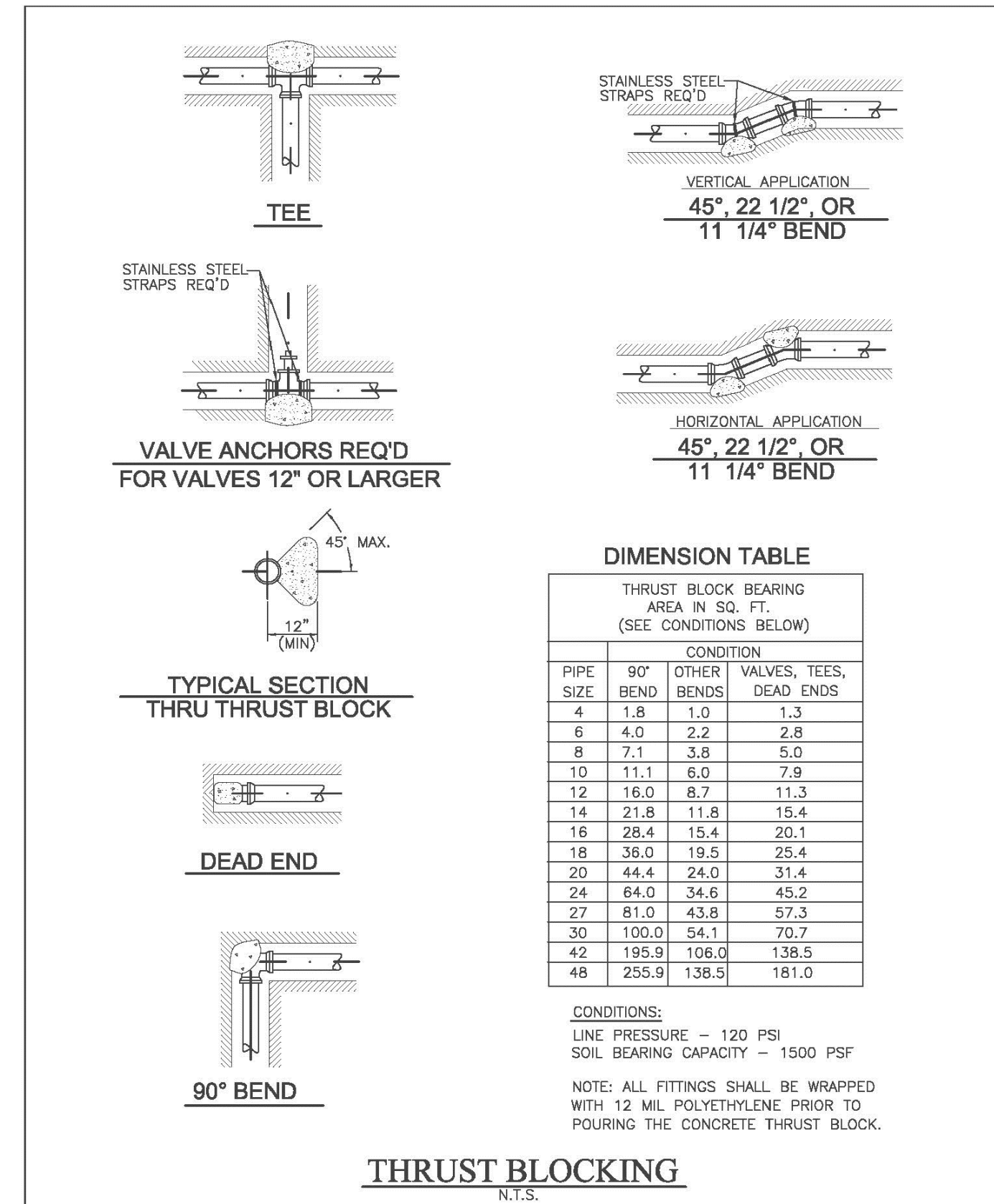
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PI-2 SHEET
VALVE BOX CONCRETE COLLAR

REVISION

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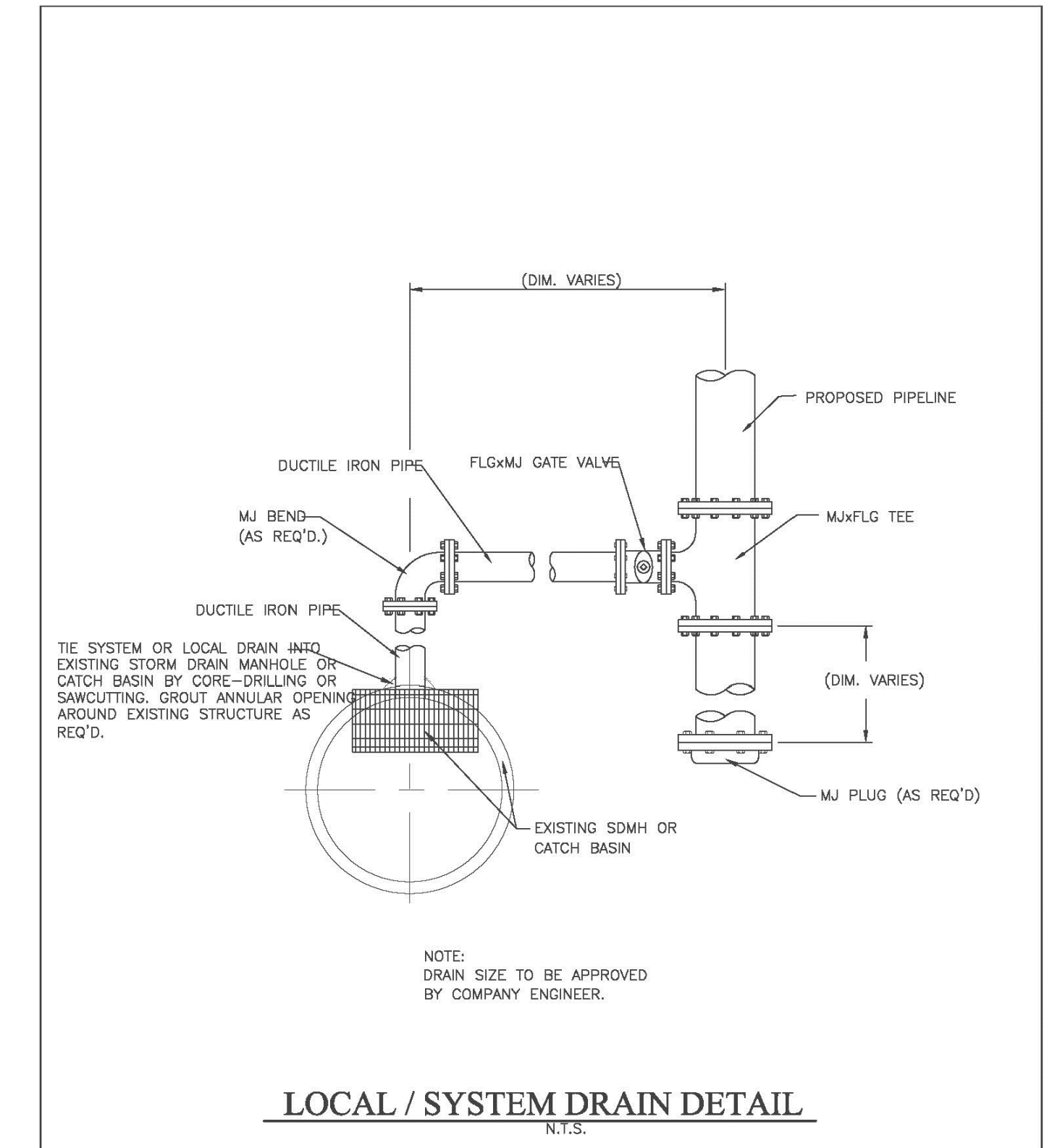
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JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-3 SHEET
THRUST BLOCKING DETAILS

REVISION

NO.	DESCRIPTION	BY	DATE



REVISION

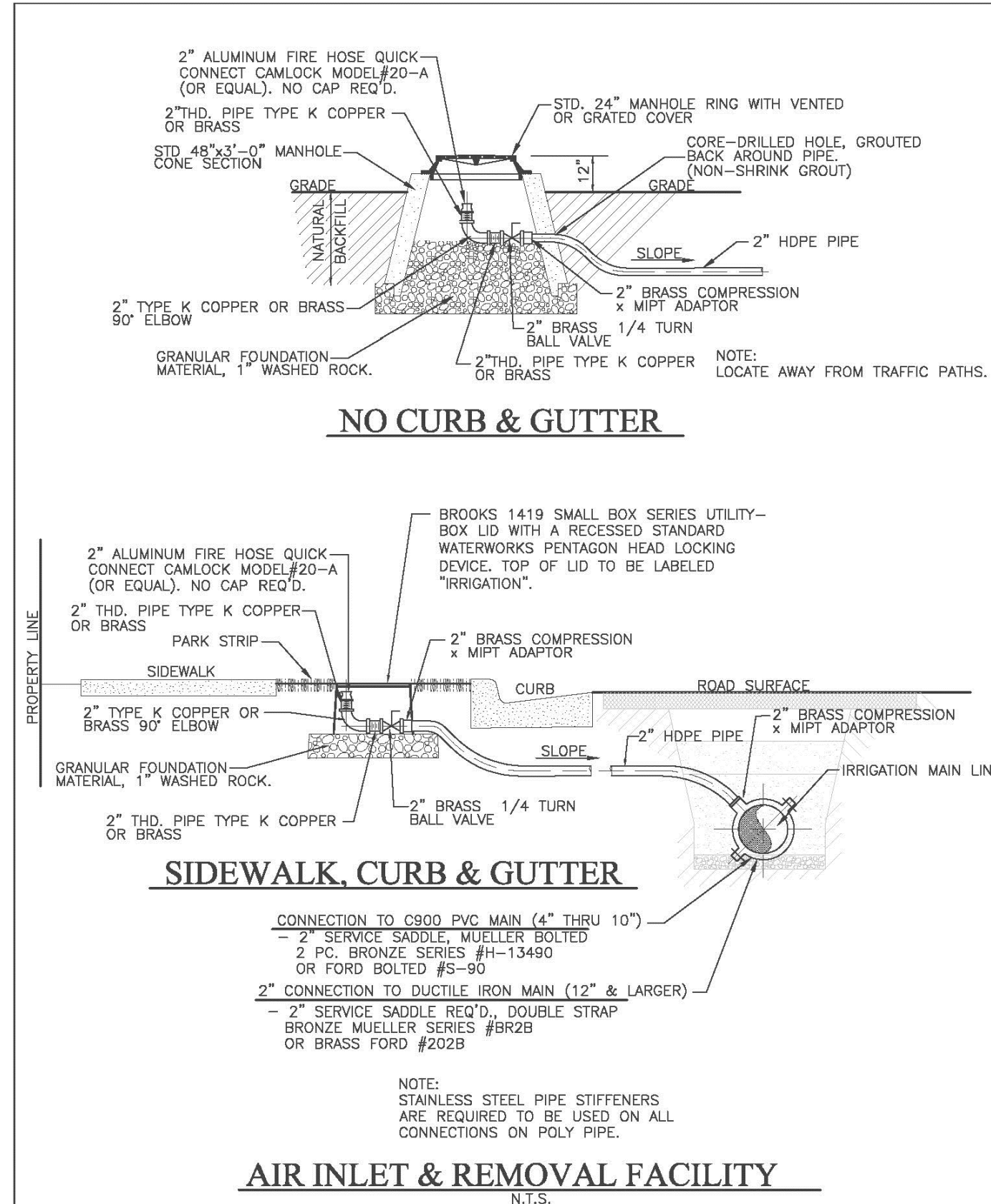
NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-4 SHEET
LOCAL/SYSTEM DRAIN DETAIL

REVISION

NO.	DESCRIPTION	BY	DATE



REVISION

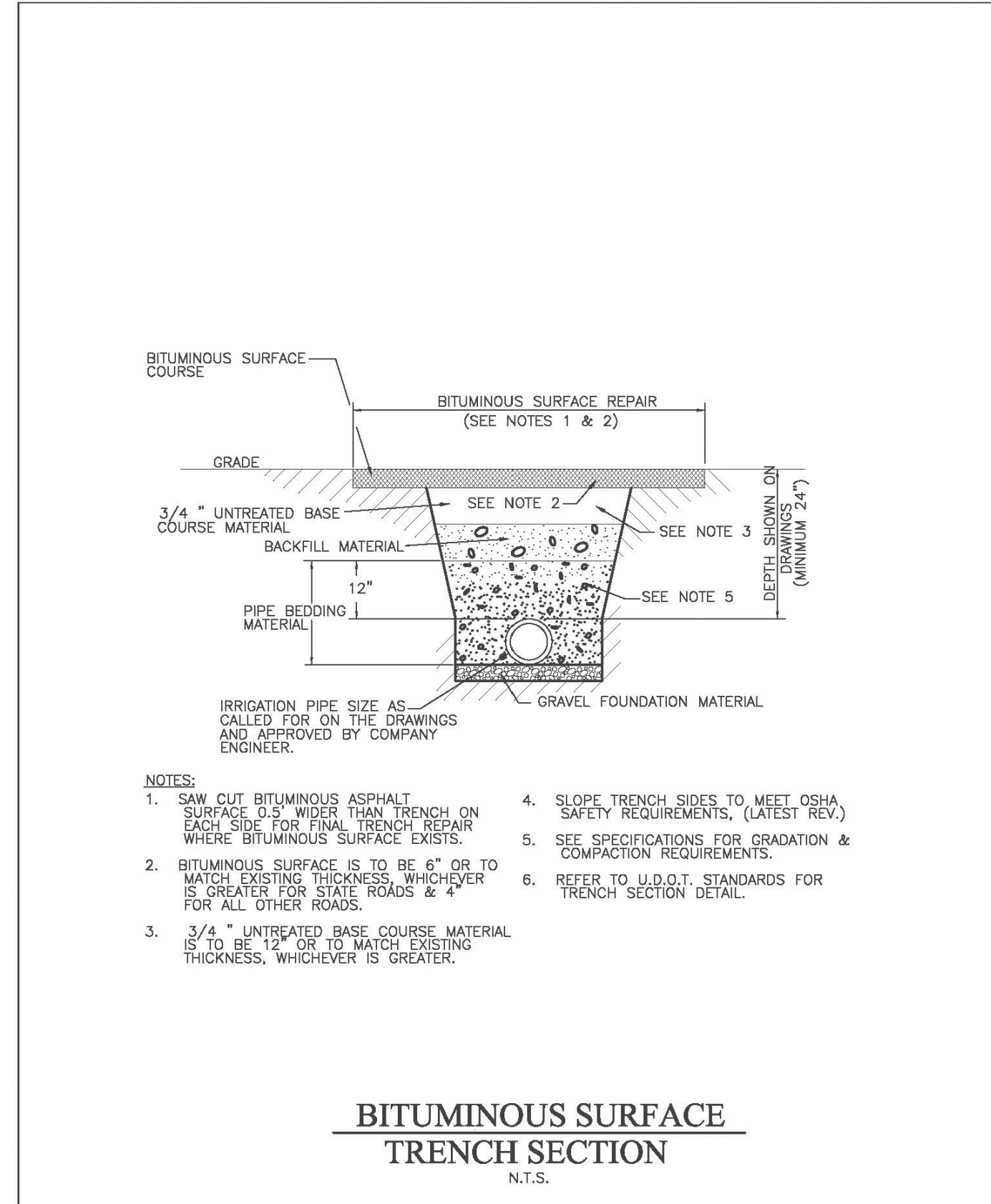
NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-5 SHEET
AIR INLET & REMOVAL FACILITY

REVISION

NO.	DESCRIPTION	BY	DATE



REVISION

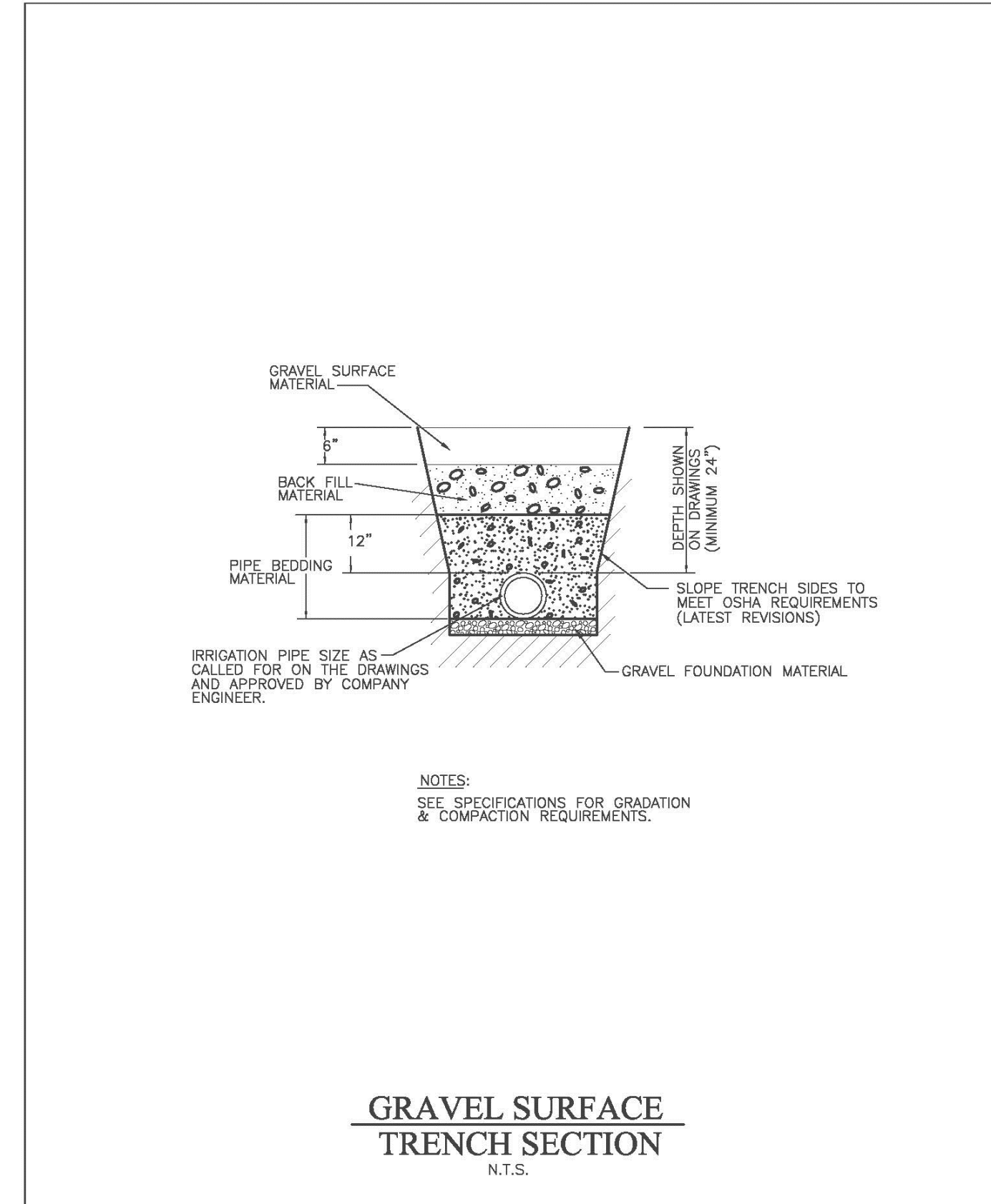
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JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-7 SHEET
BITUMINOUS SURFACE TRENCH SECTION

REVISION

NO.	DESCRIPTION	BY	DATE



REVISION

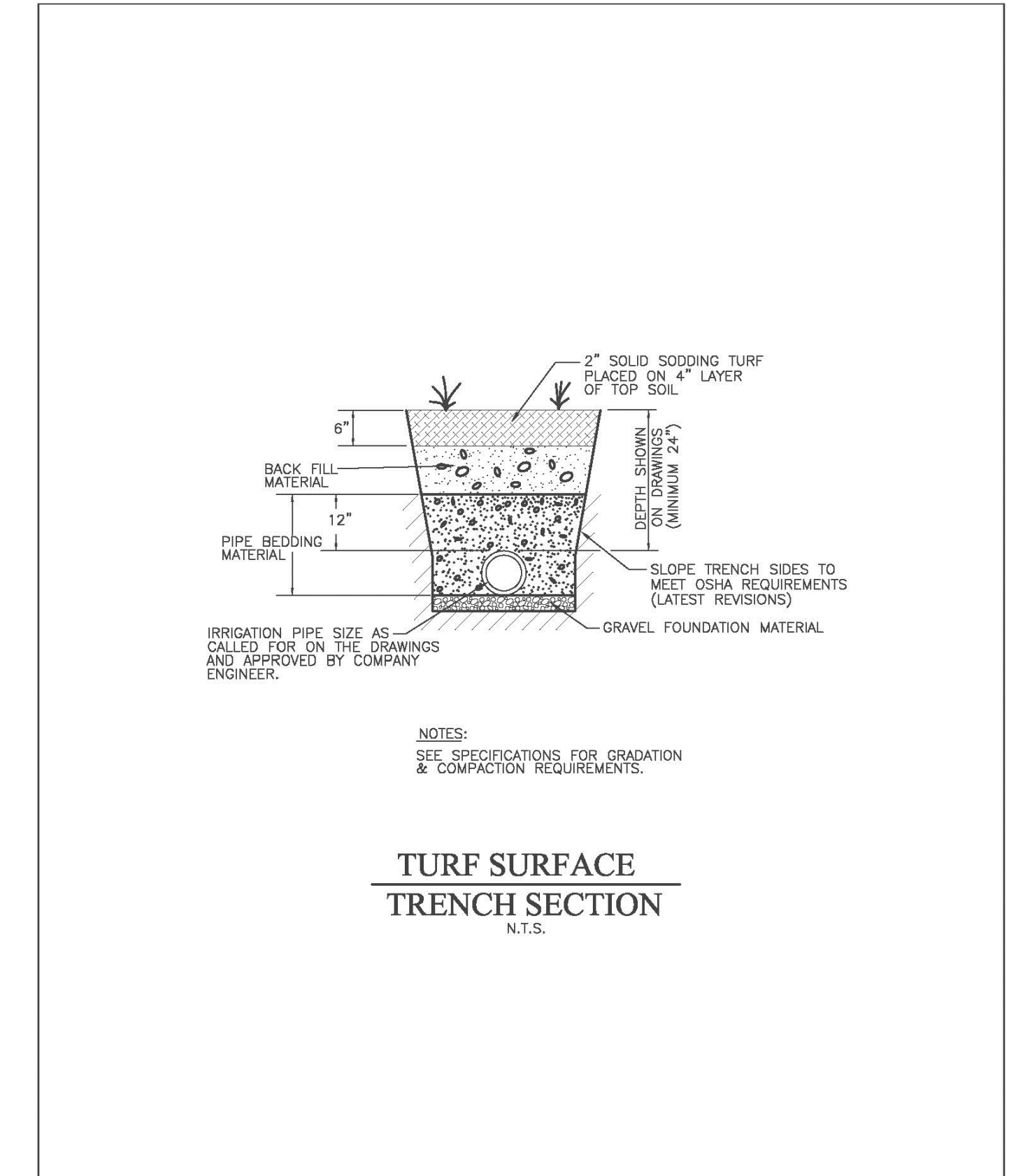
NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-8 SHEET
GRAVEL SURFACE TRENCH SECTION

REVISION

NO.	DESCRIPTION	BY	DATE



REVISION

NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-9 SHEET
TURF SURFACE TRENCH SECTION

REVISION

NO.	DESCRIPTION	BY	DATE

Reeve & Associates, Inc.
5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405
TEL: (801) 621-1000 FAX: (801) 621-2666 WWW.REEVE-ASSOCIATES.COM
LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS
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IRA

REVISIONS

NO.	DATE	DESCRIPTION

01/17/18 CK City Comments

Sunset Equestrian Cluster Subdivision
Phase 1
WEBER COUNTY, UTAH

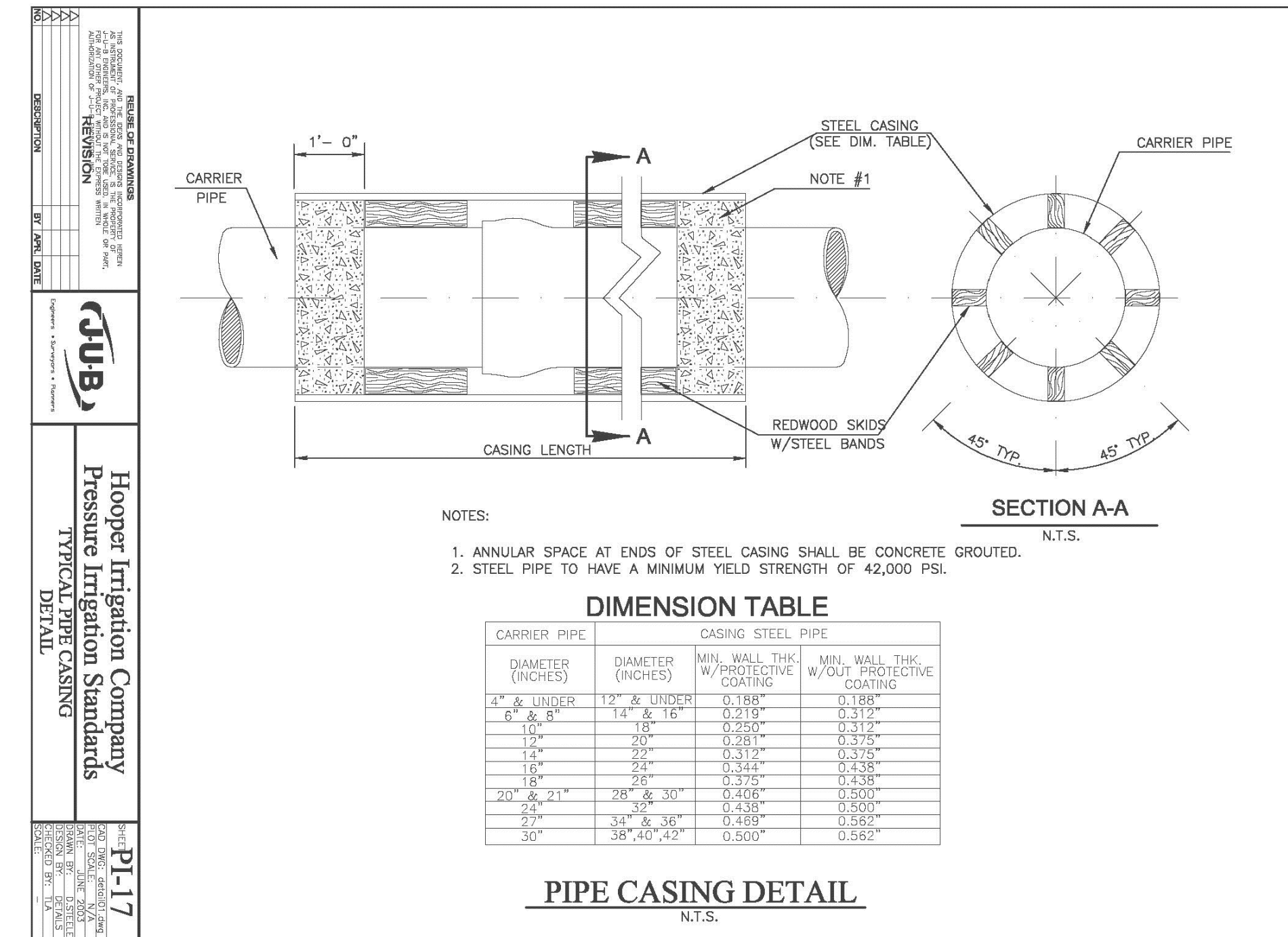
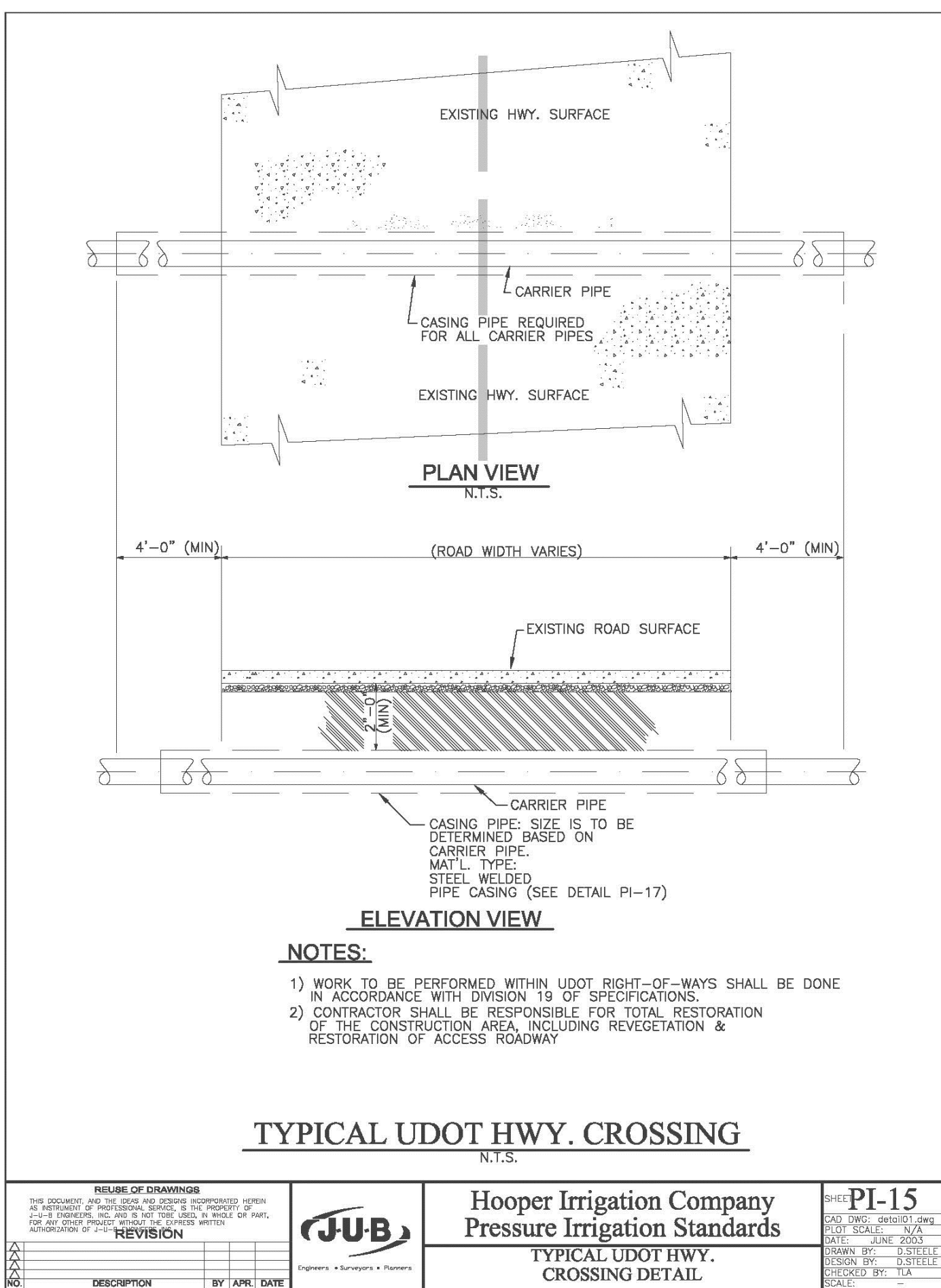
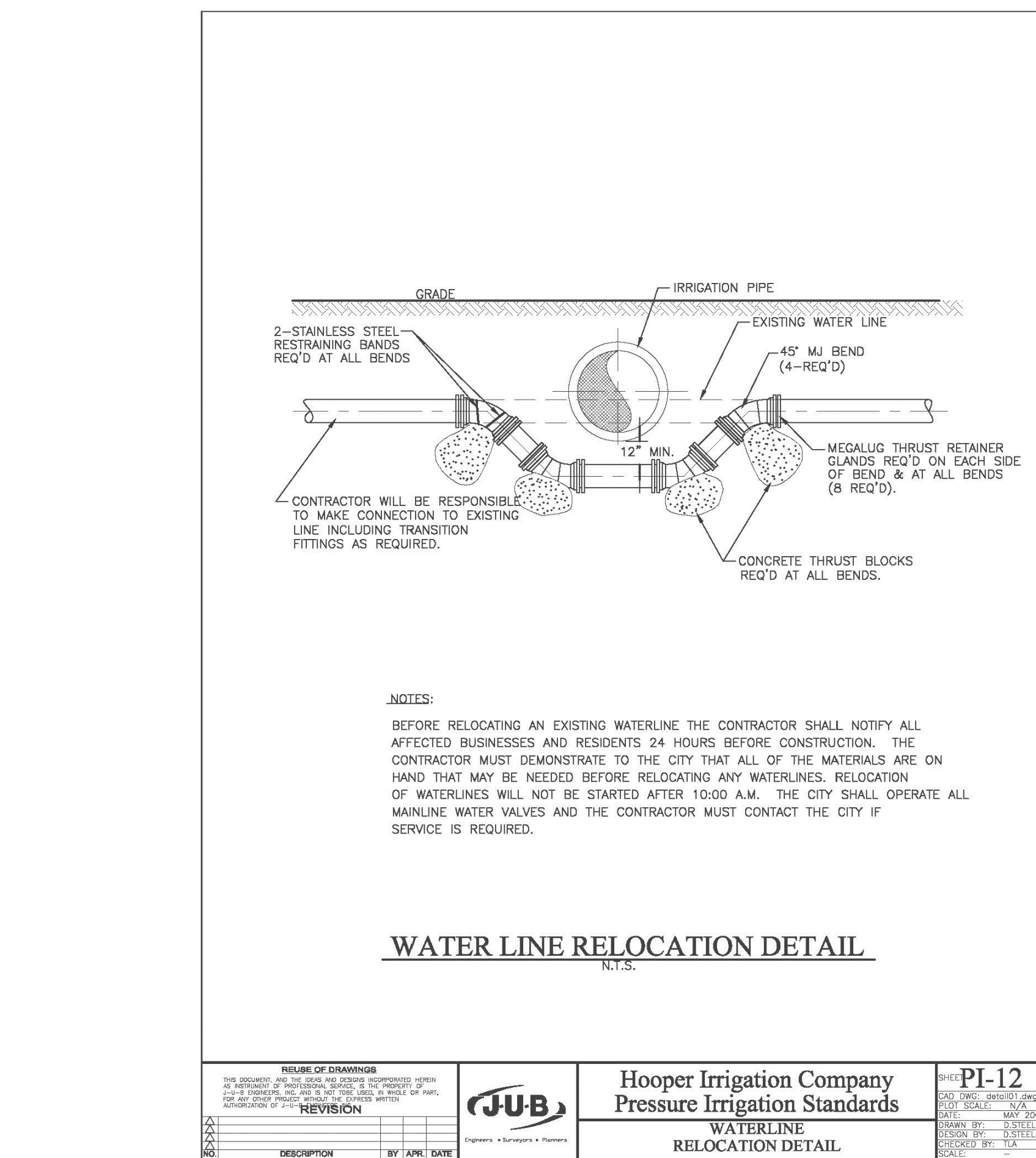
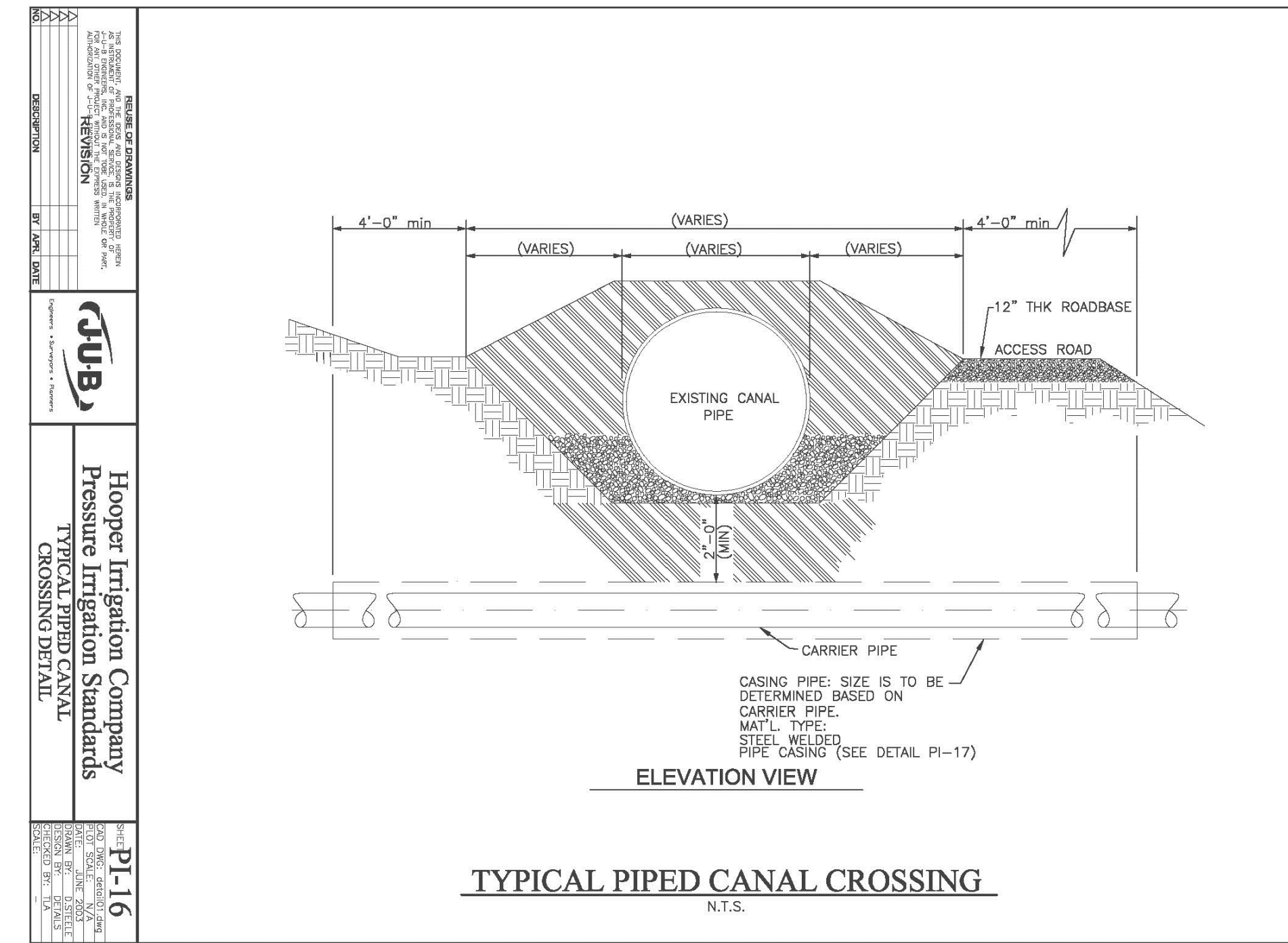
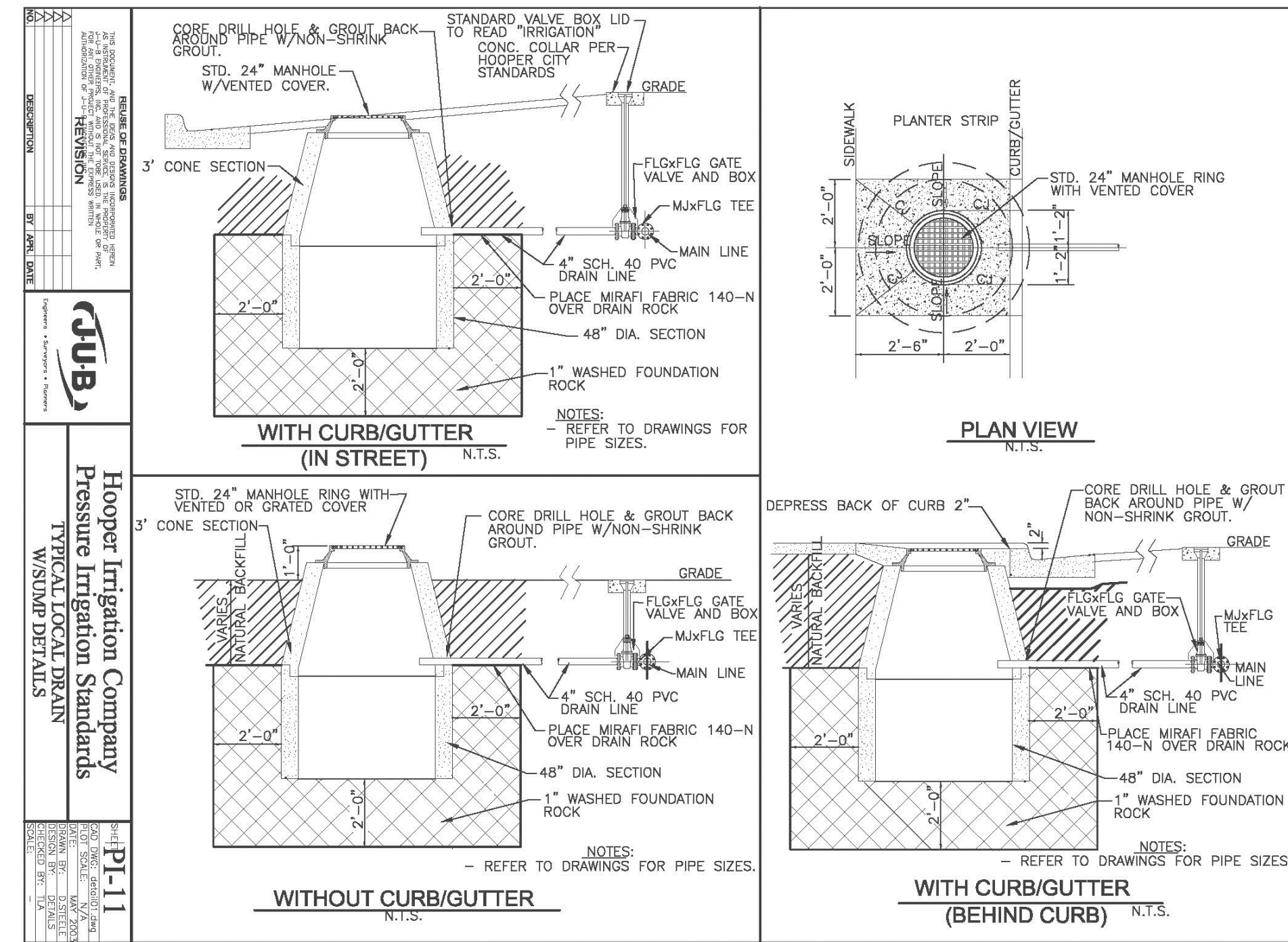
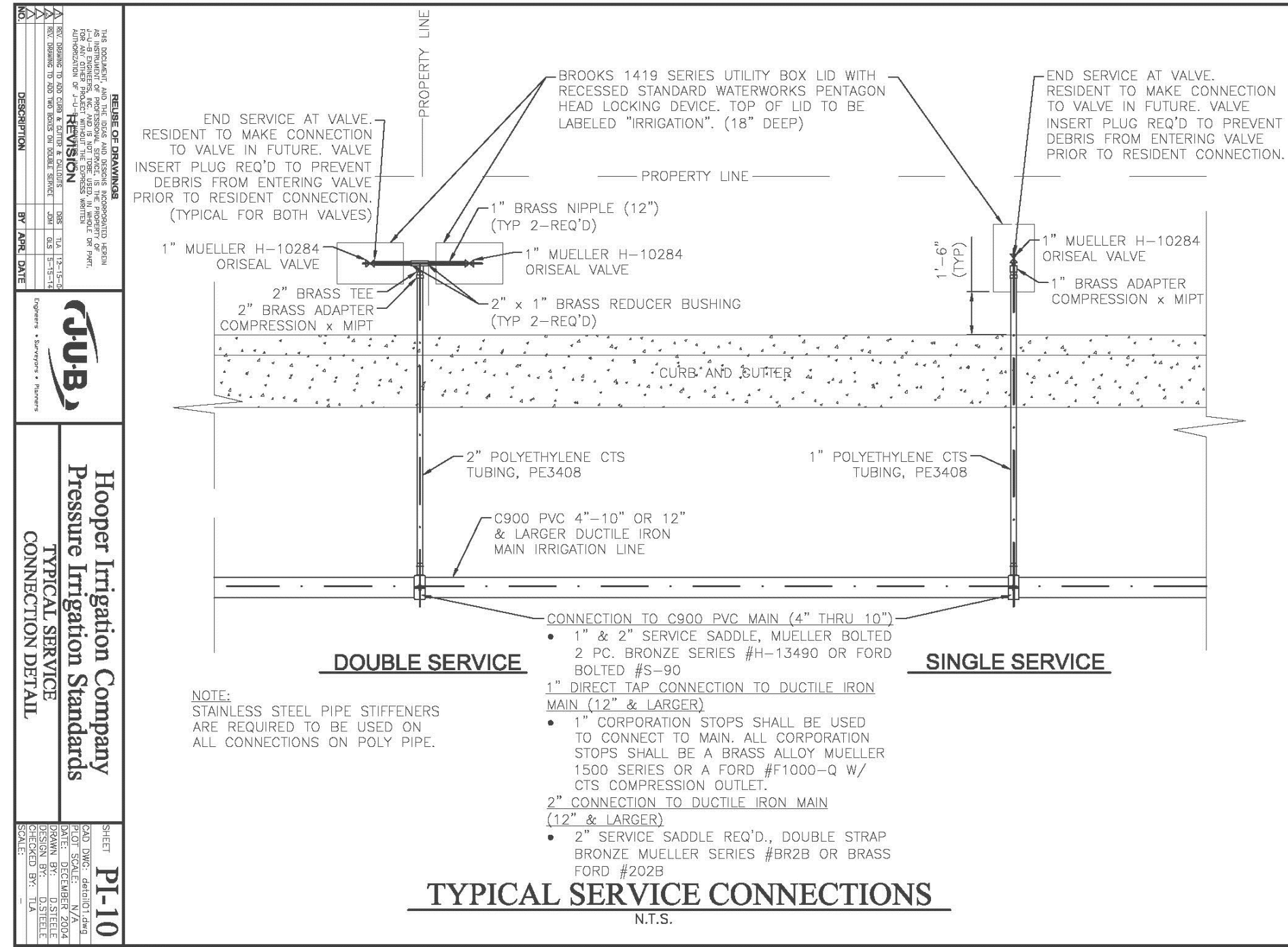
Hooper Irrigation Company
Pressure Irrigation Standards

REGISTERED PROFESSIONAL ENGINEER
376328
J. NATE REEVE
01/17/18
STATE OF UTAH

Project Info.
Engineer: J. NATE REEVE, P.E.
 Drafter: C. KINGSLEY
Begin Date: SEPTEMBER 2017
Name: SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
Number: 5336-05

Sheet **15**
14 Sheets

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REVISIONS

NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-12 WATERLINE RELOCATION DETAIL

DATE: _____

REVISIONS

NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-15 TYPICAL UDOT HWY. CROSSING DETAIL

DATE: _____

REVISIONS

NO.	DESCRIPTION	BY	DATE

JUB Hooper Irrigation Company Pressure Irrigation Standards

PI-17 TYPICAL PIPED CANAL CROSSING DETAIL

DATE: _____

Reeve & Associates, Inc.
5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405
TEL: (801) 621-1000 FAX: (801) 621-8666 www.reeve-assoc.com

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REVISIONS

NO.	DESCRIPTION	DATE	BY

Sunset Equestrian Cluster Subdivision Phase 1
WEBER COUNTY, UTAH

Hooper Irrigation Company Pressure Irrigation Standards

REGISTERED PROFESSIONAL ENGINEER
376588
J. NATE REEVE
01/17/18
STATE OF UTAH

Project Info.
Engineer: J. NATE REEVE, P.E.
 Drafter: C. KINGSLEY
Begin Date: SEPTEMBER 2017
Name: SUNSET EQUESTRIAN CLUSTER SUBDIVISION PHASE 1
Number: 5336-05

Sheet **15** of 15 Sheets

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