# STARKS, WASHOE SOUNTY, NEVADA A CITY OF STARKS FROJECT NO. 101/10-0022 A CITY OF STARKS FROJECT NO. WA-2017-022 A CITY OF STARKS AND NEVADA A CITY OF STARKS AND NEVADA

# CITY OF SPARKS

GENO MARTINI VACANT

MAYOR COUNCI

COUNCIL MEMBER WARD 1
COUNCIL MEMBER WARD 2
COUNCIL MEMBER WARD 3

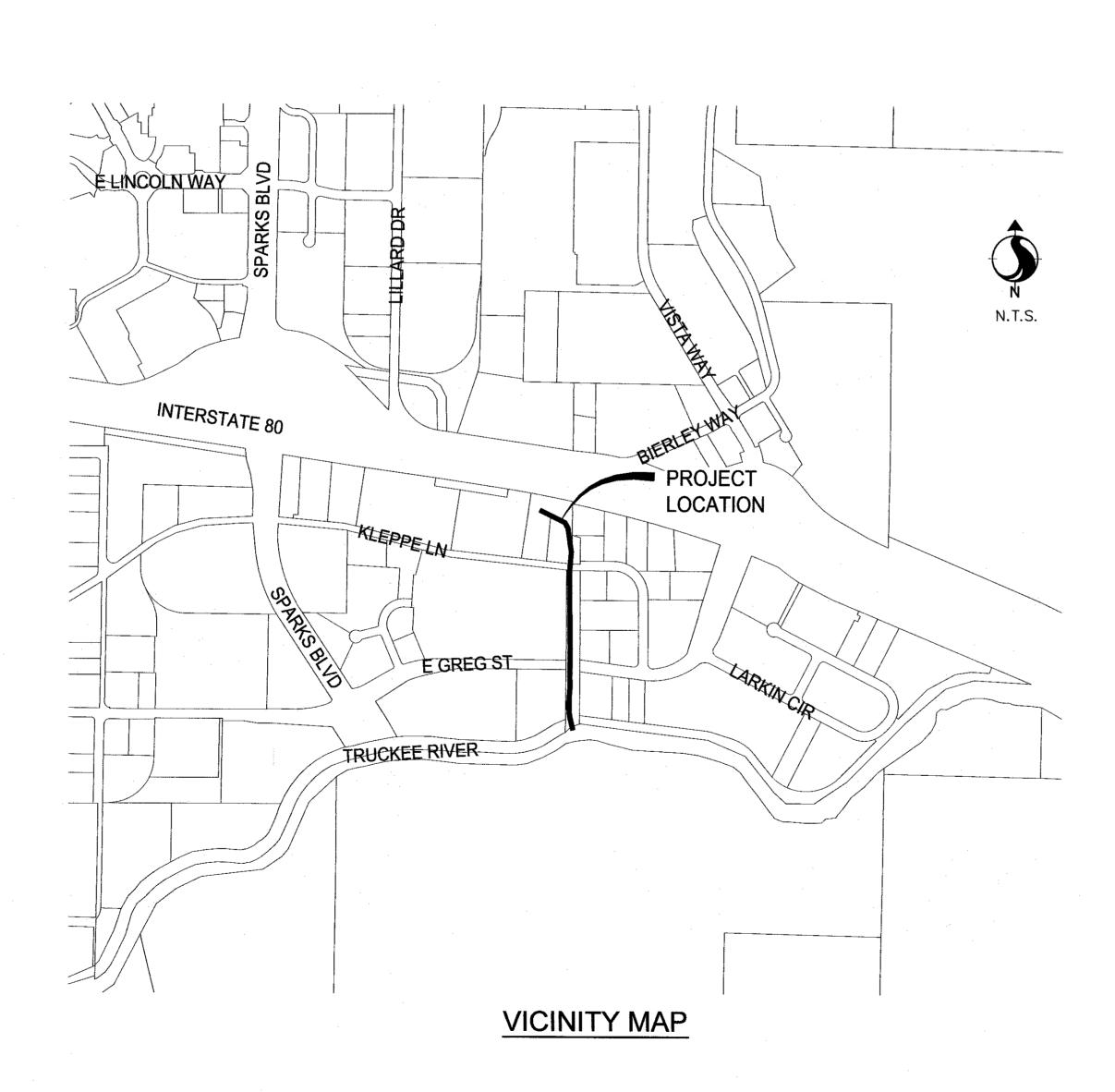
RON SMITH
CHARLENE BYBEE

ED LAWSON

COUNCIL MEMBER WARD 5

RON SCHMITT
STEPHEN DRISCOLL

CITY MANAGER



# **APPROVALS:**

JOHN A. MARTINI, P.E. COMMUNITY SERVICES DIRECTOR	10/14/16 DATE		
ANDREW HUMMEL, P.E. UTILITY MANAGER	10-14-16 DATE		

# PLANS PREPARED AND SUBMITTED BY:

LUKE HOFFMAN, P.E. PROJECT MANAGER

1/14/2016

DATE



ISSUE FOR BID

**ENGINEER**:





6995 Sierra Center Parkway Reno, NV 89511 www.stantec.com STANTEC PROJECT NO. 180101405

## **GENERAL NOTES**

- 1. LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND WERE NOT DETERMINED BY FIELD INVESTIGATION. EXISTING UTILITIES ARE SHOWN BASED UPON TRI-STATE SURVEY AS DISCUSSED IN NOTE 2. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITY STRUCTURES, WHETHER SHOWN OR NOT, AND TO NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATION OF THEIR INSTALLATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL UTILITY STRUCTURES FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT SHALL BE BORNE SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REQUEST FIELD MARKING OF EXISTING UTILITIES AT LEAST 48 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION BY CALLING UNDERGROUND SERVICE ALERT AT 811. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN AND PROTECT ALL UTILITIES DURING CONSTRUCTION.
- 2. TOPOGRAPHIC INFORMATION CONTAINED WITHIN THESE CONSTRUCTION DOCUMENTS WAS PREPARED BY TRI STATE SURVEYING, LTD DATED AUGUST 2, 2016. BASED UPON CONVENTIONAL FIELD

THE GRID BEARING OF NORTH 54°50'34" EAST BETWEEN G.P.S. MONUMENTS "N53SM01013" AND "N532SM01245", BASED ON THE NORTH AMERICAN DATUM OF 1983/1994 HIGH ACCURACY REFERENCE NETWORK (NAD 83/94 HARN), NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE COMBINED GRID TO GROUND FÁCTOR = 1.000197939.

THE BASIS OF ELEVATION FOR THIS SURVEY IS THE CITY OF SPARKS BENCHMARK NO. 44, BEING U.S.&G.S. BRASS CAP (K 374) IN THE TOP OF A HEADWALL, AT THE EAST END AND NORTH SIDE OF THE HEADWALL OF A CONCRETE MAINTENANCE BRIDGE NORTH OF THE RAILROAD TRACK ELEVATION TAKEN AS 4394.77 (NAVD88).

- 3. WORK IN PUBLIC STREETS, IF NECESSARY, ONCE BEGUN, SHALL BE EXECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC. THE CONSTRUCTION OF THE STREET IMPROVEMENTS SHALL ALLOW FOR THE PERPETUATION OF ALL EXISTING LEGAL ACCESSES AND EXISTING DRIVEWAYS, UNLESS OTHERWISE
- 4. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS OR UTILITY COMPANY FORCES WORKING ON THE SITE, AND WITH BUSINESS OWNERS ACTIVE OPERATIONS.
- 5. ALL SURFACES SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION AT THE COMPLETION OF CONSTRUCTION. EXISTING CONCRETE SUCH AS SIDEWALK, CURB, AND GUTTER SHALL BE REMOVED TO LIMITS MARKED IN FIELD BY THE ENGINEER. ALL REMÓVAL MATERIALS SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING ON PRIVATE PROPERTY.
- 6. AT LOCATIONS WHERE NEW UNDERGROUND FACILITIES CROSS EXISTING FACILITIES THE CONTRACTOR SHALL EXPOSE THE EXISTING FACILITY AND VERIFY THAT SUFFICIENT HORIZONTAL AND VERTICAL CLEARANCE EXISTS FOR THE NEW FACILITY TO BE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE PLANS. AT LOCATIONS WHERE NEW UNDERGROUND FACILITIES ARE TO BE CONNECTED TO EXISTING FACILITIES THE CONTRACTOR SHALL EXPOSE THE EXISTING FACILITY AND VERIFY THAT THE CONNECTION CAN BE MADE AS SHOWN ON THE PLANS. THIS VERIFICATION SHALL BE PERFORMED PRIOR TO ANY CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION AS SOON AS THEY ARE DISCOVERED.
- 7. ALL DIMENSIONS TO CURBS OR CURB AND GUTTERS ARE TO THE FRONT FACE OF CURB UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 8. EXISTING DRAINAGE FACILITIES, OR INTERIM ENGINEER APPROVED ALTERNATIVES, SHALL BE KEPT IN SERVICE AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF SECTION 1.03 a) STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE, PHASE II AND b) STORM WATER POLLÚTION PREVENTION PLAN (SWPPP) OF THE SUPPLEMENTAL GENERAL PROVISIONS OF THE SOLICITATION DOCUMENTS FOR THE CITY OF SPARKS NORTH TRUCKEE DRAIN PIPE EXTENSION IMPROVEMENTS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING ROADS, BUILDINGS OR OTHER STRUCTURES RESULTING FROM HIS CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE CITY OF SPARKS, THE PROPERTY OWNERS, AND THE ENGINEER AT NO ADDITIONAL COST.
- 10. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THESE DRAWINGS AND THE CONDITIONS EXISTING IN THE FIELD. THE CONTRACTOR SHALL COMPARE ALL DRAWINGS AND VERIFY THE FIGURES BEFORE STARTING THE WORK AND WILL BE RESPONSIBLE FOR ANY ERRORS WHICH MIGHT HAVE BEEN AVOIDED THEREBY. IF THE CONTRACTOR FAILS TO NOTIFY THE OWNER OR THEIR REPRESENTATIVE IN A TIMELY MANNER OF ANY APPARENT ERROR OR OMISSION ON THE PLANS OR SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING WORK INCORRECTLY DONE AT THE CONTRACTOR'S EXPENSE.
- 11. THE USE OF POTABLE WATER FROM THE PUBLIC WATER SYSTEM FOR CONSTRUCTION PURPOSES IS PROHIBITED. CONSTRUCTION WATER USED FOR COMPACTION AND DUST CONTROL SHALL BE OBTAINED FROM THE RENO-SPARKS SEWAGE TREATMENT PLANT AT 8500 CLEAN WATER WAY, RENO NEVADA, TMWA'S TRUCK FILL STATIONS, OR ANOTHER APPROVED SOURCE.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL MANHOLE RIMS AND ANY EXISTING UTILITY COVERS WITHIN THE CONSTRUCTION LIMITS ARE SET FLUSH WITH THE NEW FINISH GRADE.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING STAGING AREA LOCATIONS. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL PRIOR TO USING A STAGING AREA. THE CONTRACTOR SHALL OBTAIN ANY PERMITS FROM THE CITY OF SPARKS THAT ARE REQUIRED FOR STOCKPILING/PROCESSING MATERIALS.
- 14. PAYMENT FOR WORK SHOWN ON THESE PLANS EITHER SPECIFIED OR INFERRED, BUT NOT INCLUDED IN THE BID PROPOSAL, SHALL BE CONSIDERED AS INCLUDED IN THE PRICE PAID FOR OTHER ITEMS OF
- 15. DURING THE ENTIRE DURATION OF THIS CONSTRUCTION CONTRACT, THE CONTRACTOR SHALL IMPLEMENT STRINGENT DUST CONTROL MEASURES IN ACCORDANCE WITH THE TERMS OF THE APPROVED DUST CONTROL PERMIT AND WASHOE COUNTY HEALTH DEPARTMENT RULES AND REGULATIONS. THE CONTRACTOR IS REQUIRED TO SUPPRESS DUST AT ALL TIMES. 24 HOURS A DAY. SEVEN (7) DAYS A WEEK, REGARDLESS OF WHEN CONSTRUCTION ACTIVITIES ARE OCCURRING.
- 16. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO EXISTING LANDSCAPING DAMAGED BY OR THROUGH CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND OWNER. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK.
- 17. CITY OF SPARKS STANDARD DETAILS SHALL APPLY EXCEPT WHERE OTHERWISE NOTED ON THE PLANS.
- 18. BEFORE ANY WORK IS STARTED IN THE STREET RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ADVANCED WARNING SIGNS FOR THE CONSTRUCTION ZONE. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION" - CURRENT EDITION AND TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" - CURRENT EDITION AND BE APPROVED BY THE CITY OF SPARKS.
- 19. PROTECTION AND REPLACEMENT OF ALL SURVEY MONUMENTS OR PROPERTY STAKES NOT DELINEATED ON THE CONTRACT DRAWINGS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. DAMAGED OR REMOVED MONUMENTS AND/OR PROPERTY STAKES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

LEGEND ----SS----- SANITARY SEWER (S)—SS- SANITARY SEWER MANHOLE DROP INLET D UTILITY POLE UTILITY POLE ANCHOR WATER LINE WATER METER WATER VALVE FIRE HYDRANT ——G—— GAS LINE GAS VALVE —EFF— EFFLUENT WATER LINE ——OH—— OVERHEAD POWER UNDERGROUND COMMUNICATIONS TRAFFIC SIGNAL POLE PULL BOX STORM DRAIN \_\_\_\_\_\_\_\_\_\_ST- STORM DRAIN MANHOLE (EXISTING) STORM DRAIN MANHOLE (PROPOSED) STORM DRAIN FLARED END SECTION EX. CATCH BASIN CURB & GUTTER

CONTROL POINT BENCH MARK

TELEPHONE MANHOLE

— T — TELEPHONE LINE ELECTRIC FACILITIES (MANHOLE)

UTILITY POLE W/ LIGHT

LIGHT POLE

0000 GUARDRAIL

FENCE BOLLARD

— — PROPERTY LINE

— — CENTERLINE ---- RIGHT OF WAY

 $\infty$ GRADE BREAK

— · · · — FLOWLINE — · — · — ROADWAY CROWN

NOTE: ALL SYMBOLS OR ABBREVIATIONS MAY NOT BE USED ON PLANS

# **ABBREVIATIONS**

ASPHALTIC CEMENT ALGEBRAIC DIFFERENCE ANGLE POINT ASPHALT PAVEMENT PATH AIR RELEASE VALVE BEGINNING OF CURVE BOTTOM OF FOOTING BACK FACE OF CURB BEGINNING OF VERTICAL CURVE STATION BACK OF SIDEWALK CATCH BASIN ORRUGATED METAL PIPE CONC. CONST. CONCRETE CONSTRUCT OROP INLET DUCTILE TRON PIPE END OF CURVE EXISTING GROUND ELEVATION EDGE OF PAVEMENT END OF VERTICAL CURVE ELEVATION END OF VERTICAL CURVE STATION EXISTING EXISTING FINISH FLOOR FRONT FACE OF CURB FINISH GRADE FIRE HYDRANT FLOWLINE LANGED LÜSH VALVE GAS GRADE BREAK HORIZONTAL HEAD WALL INVERT ELEVATION RATE OF VERTICAL CURVATURE LENGTH LATERAL LINEAL FEET LOW POINT MAXIMUM DRY DENSITY MINIMUM MECHANICAL JOINT **MPOC** MID POINT OF CURVE POINT OF CURVATURE PORTLAND CEMENT CONCRETE
POINT OF COMPOUND CURVATURE
POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT PEDESTRIAN PUSH BUTTON POINT OF REVERSE CURVATURE POINT OF TANGENCY **PVC** POLYVINYL CHLORIDE POINT OF VERTICAL INTERSECTION RADIUS RCP REINFORCED CONCRETE PIPE REFERENCE RETURN RADIUS POINT RIGHT OF WAY STORM DRAIN STORM DRAIN MANHOLE SQUARE FEET SANITARY SEWER SANITARY SEWER MANHOLE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SHARED USE PATH SIDEWALK TOP OF CURB TOP OF PAVEMENT VERTICAL CURVE VERTICAL POINT OF INTERSECTION

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17 OF	17	SD-3	SWPPP & DEWATERING DETAILS						

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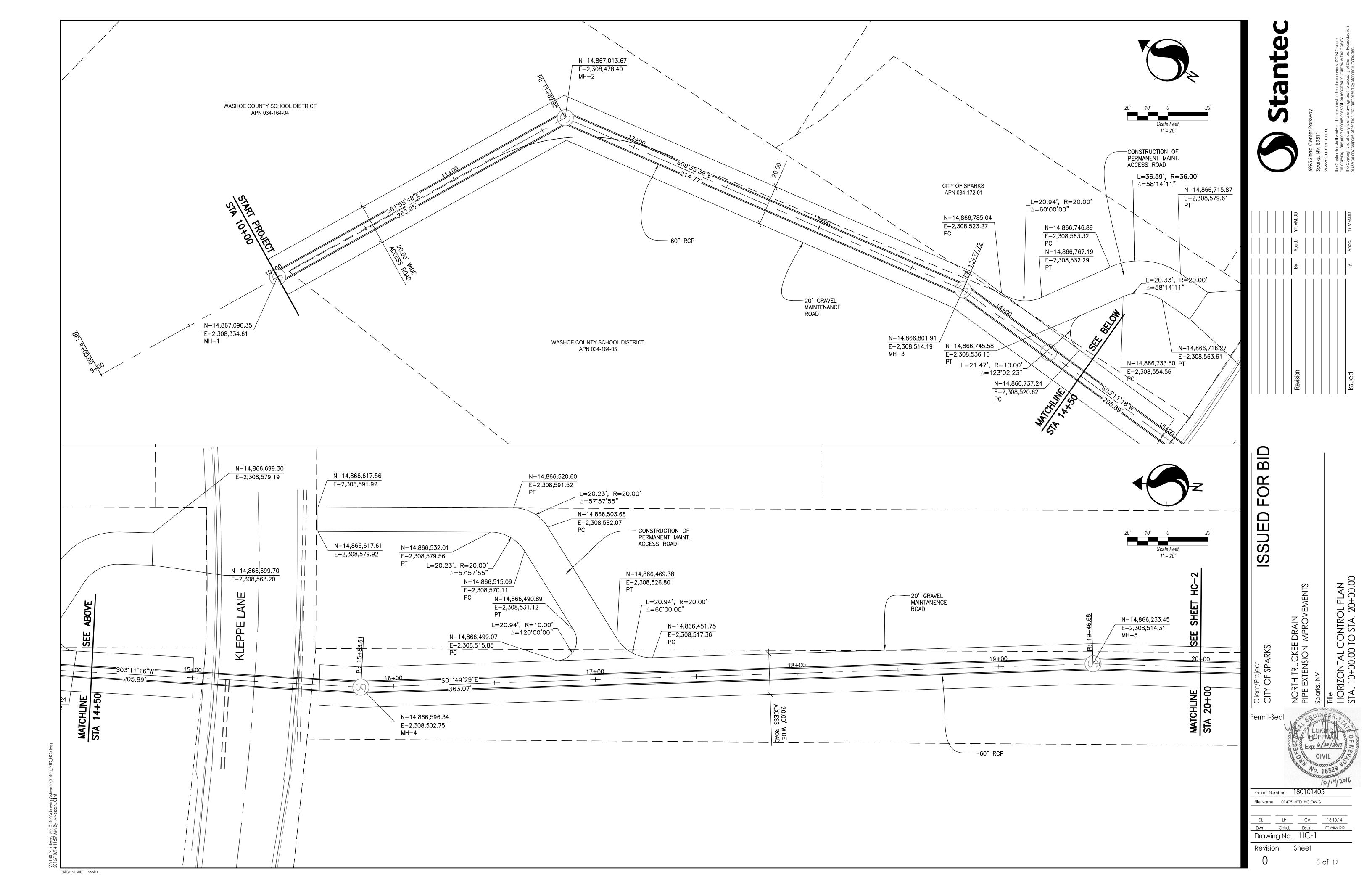
NOR PIPE

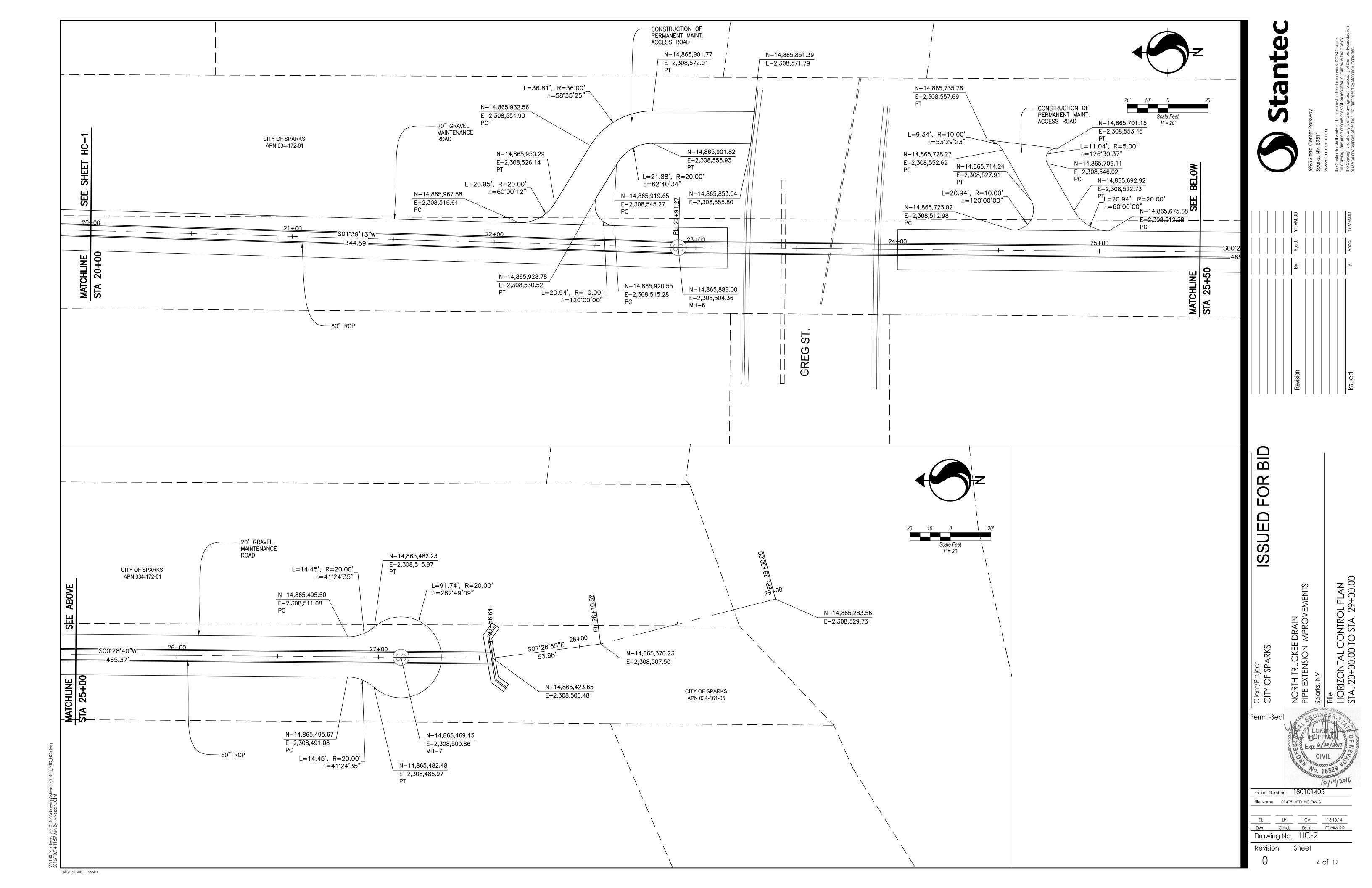
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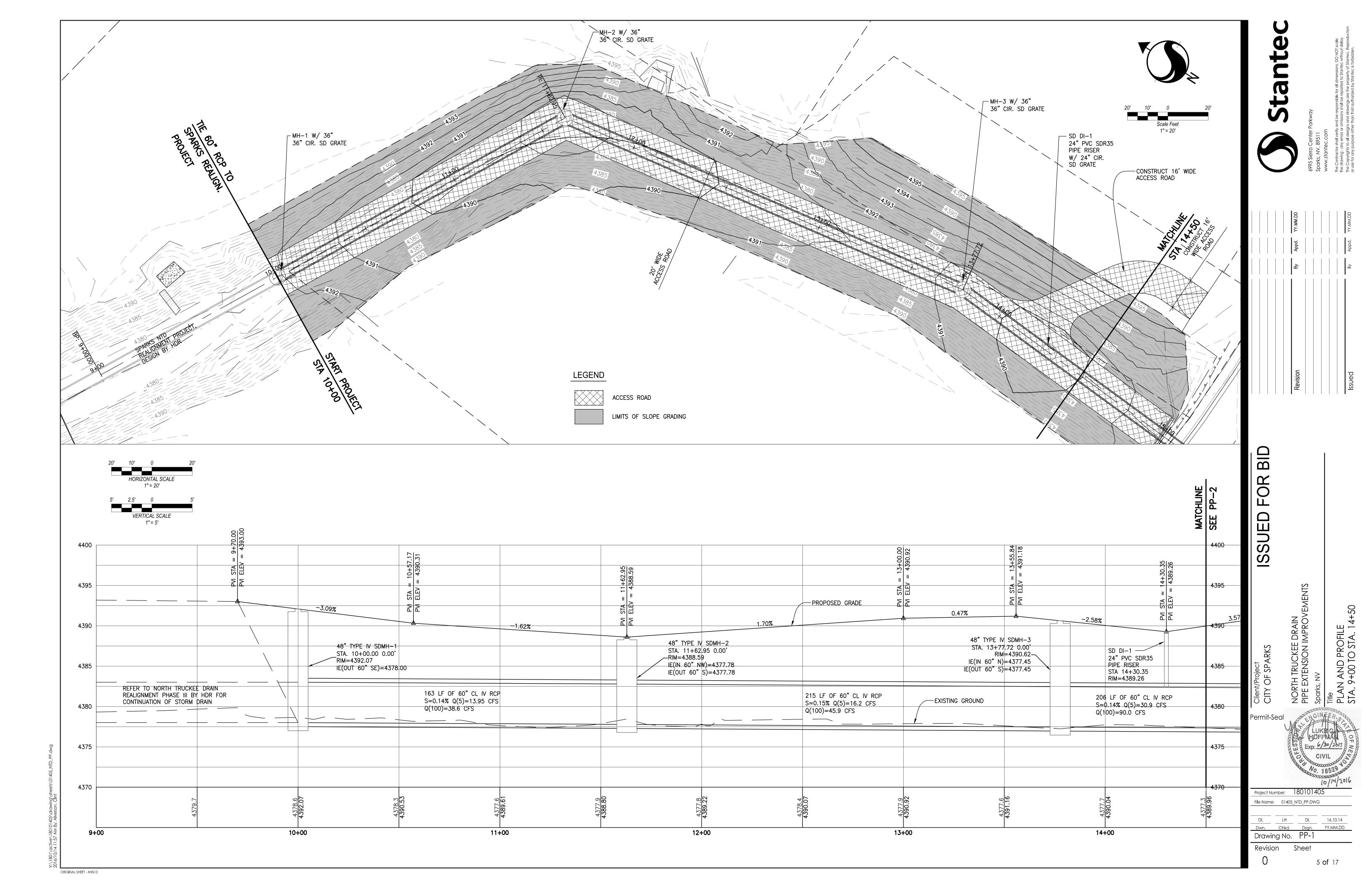
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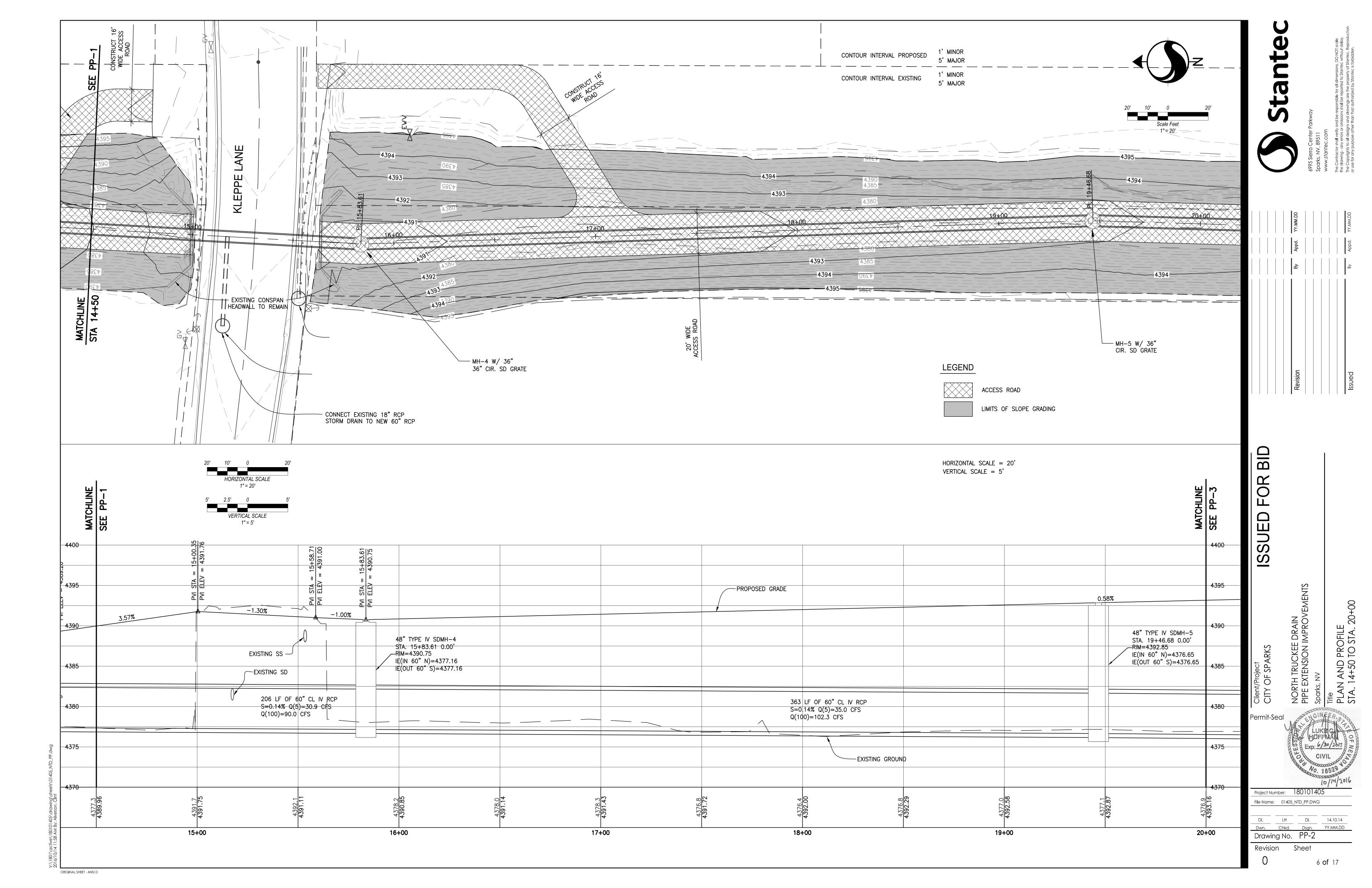
> LH CA 16.10.14 Drawing No. C-I Sheet Revision

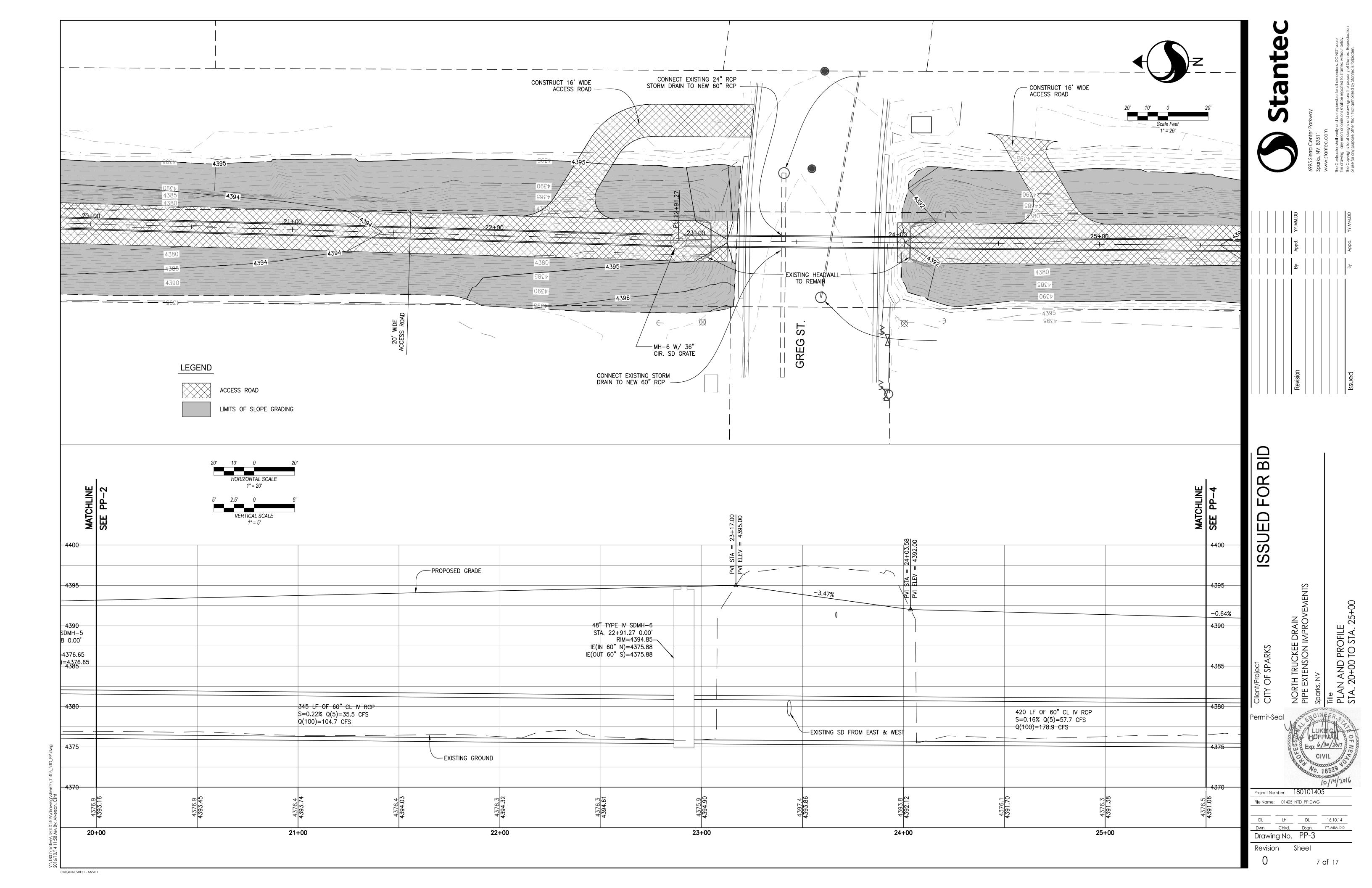
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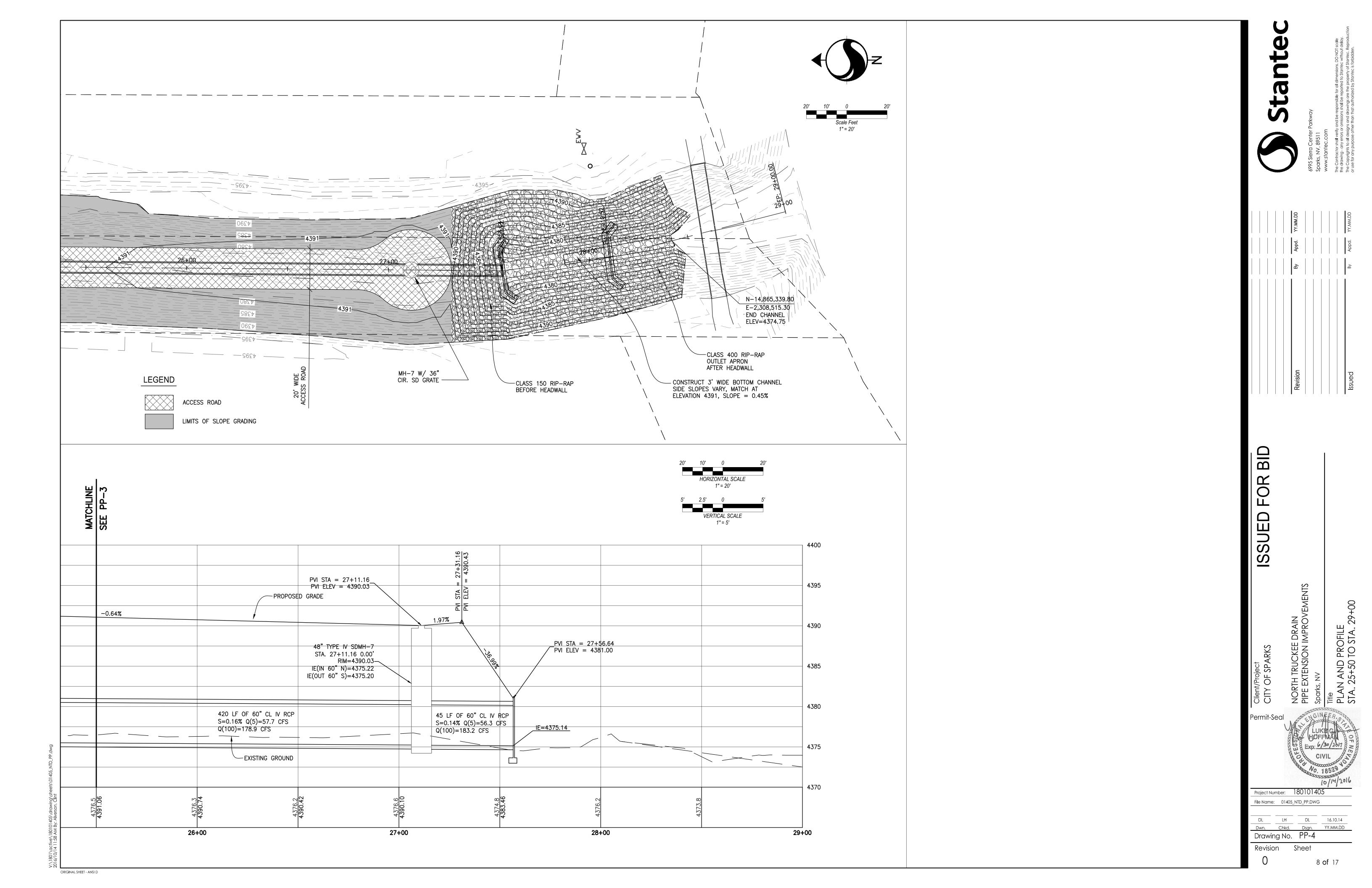


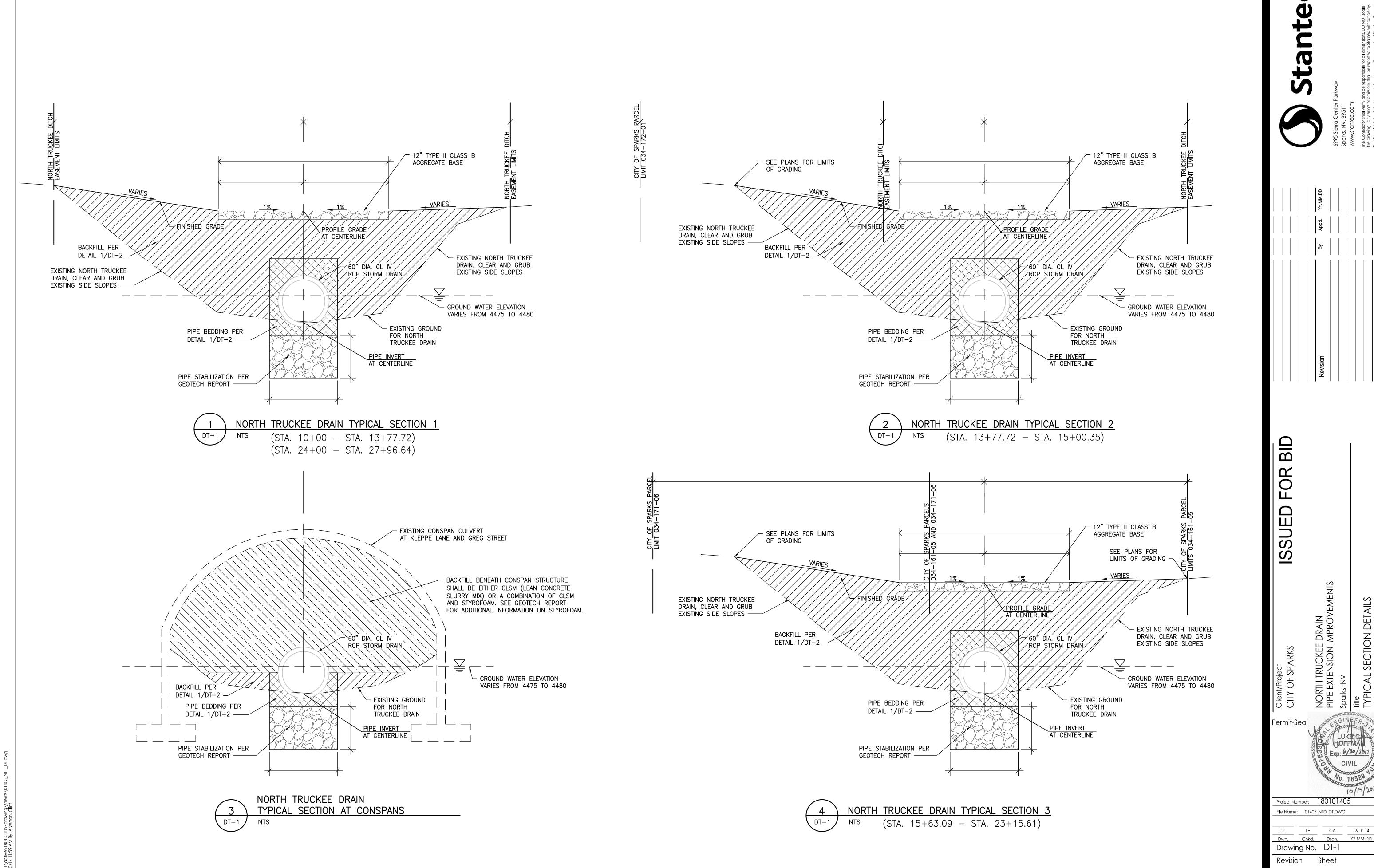






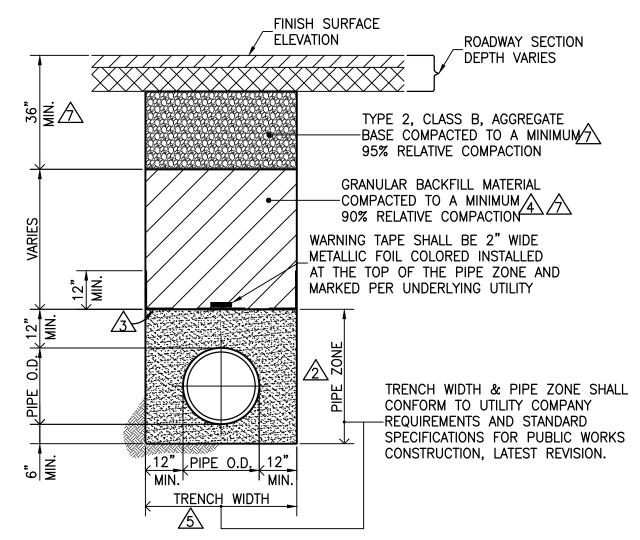






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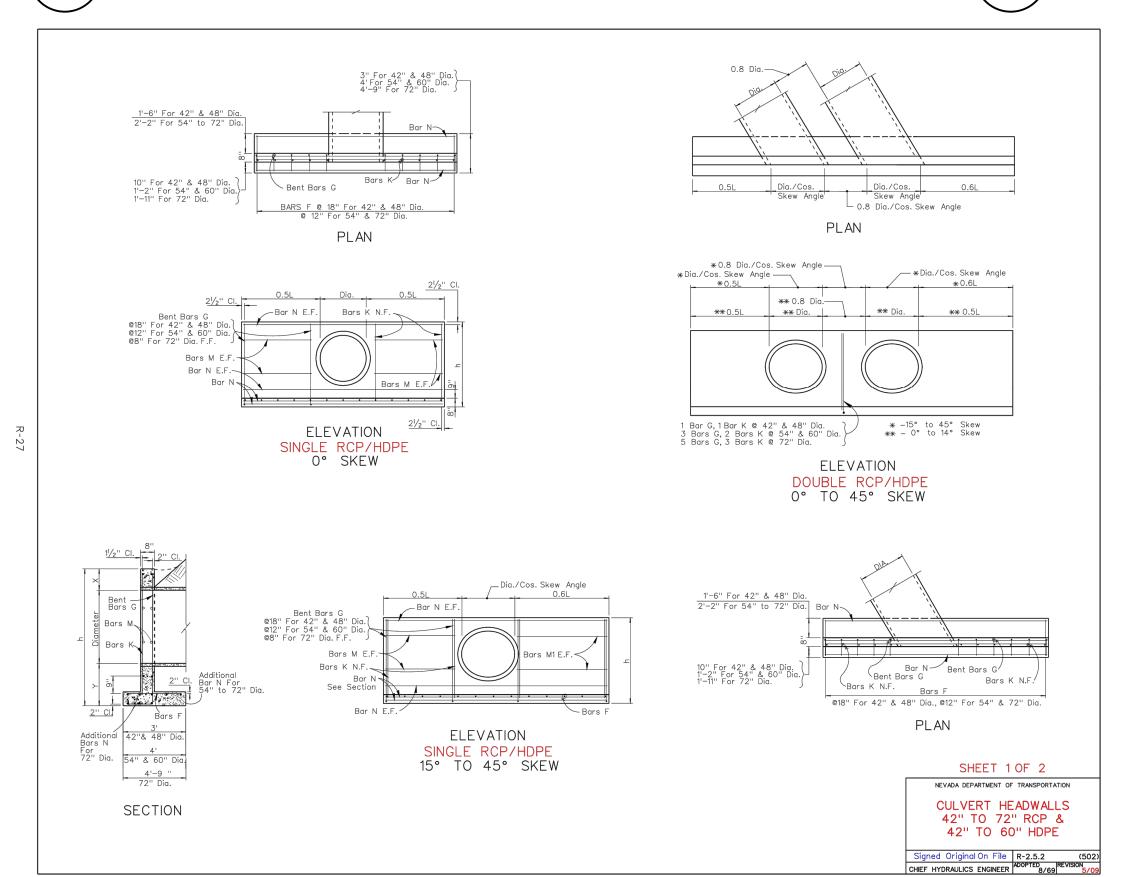


- 1. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), LATEST REVISION.
- BEDDING MATERIAL SHALL BE CLASS "C" BELOW THE GROUNDWATER TABLE. ABOVE THE GROUNDWATER TABLE, BEDDING SHALL BE CLASS "A". A GEOTEXTILE MATERIAL COMPLYING WITH THE GEOTECHNICAL REPORT SHALL BE PLACED BETWEEN CLASS "A" AND CLASS "C BEDDING TYPES.
- CLASS C BEDDING REQUIRES INSTALLATION OF GEOTEXTILE FABRIC BETWEEN PIPE ZONE AND BACKFILL MATERIAL. GEOTEXTILE FABRIC SHALL BE MIRAFI 180N OR APPROVED EQUAL.
- BACKFILL MATERIAL SHALL BE TYPE 2, CLASS B OR CLASS E AND COMPACTED TO MINIMUM 90% RELATIVE COMPACTION. MATERIALS SHALL CONFORM TO SSPWC SECTION 200.
- ALL EXCAVATIONS SHALL CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.

DT-2

- 6. EXISTING PIPE TO BE ABANDONED SHALL BE GROUT FILLED OR COMPLETELY REMOVED.
- MINIMUM BACKFILL DEPTH REQUIREMENT IS FOR TRENCHING IN EXISTING PAVED STREETS. TRENCHING FOR <u>NEW DEVELOPMENT</u> WHERE STREETS HAVE NOT YET BEEN CONSTRUCTED, BACKFILL MATERIAL SHALL BE TYPE 2, CLASS B OR CLASS E AND COMPACTED TO MINIMUM 90% RELATIVE COMPACTION. MATERIALS SHALL CONFORM TO SSPWC SECTION 200.

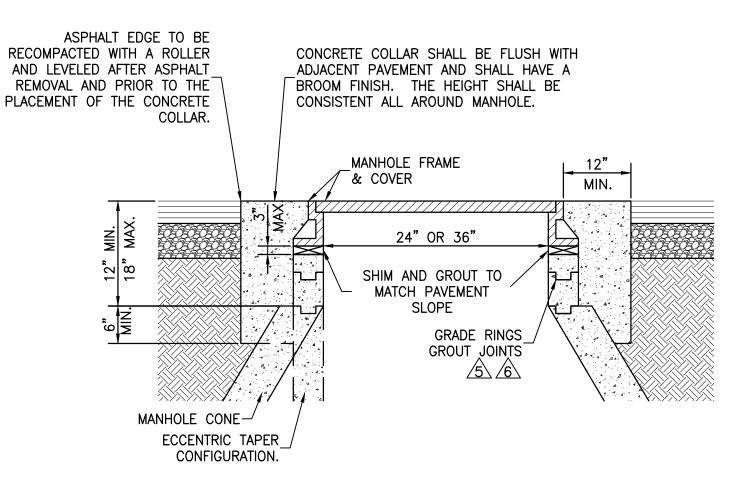




NOTE 1: SEE NDOT STANDARD PLANS

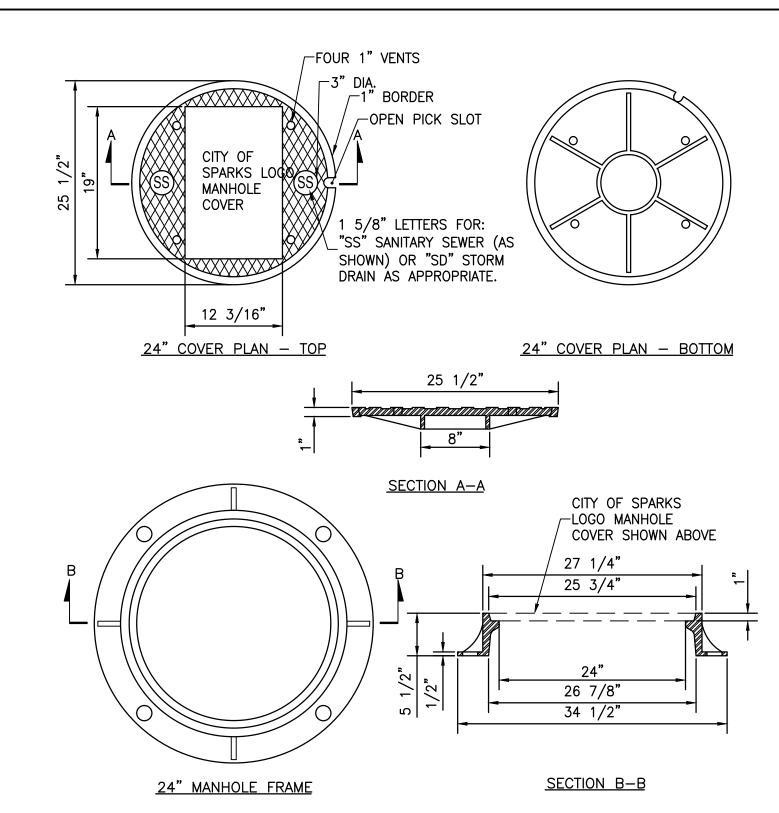
FOR ADDITIONAL DETAILS

CULVERT HEADWALL



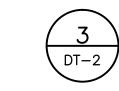
## NOTES:

- 1. SEE CONCRETE GENERAL NOTES (DETAIL 9/DT-2) FOR CONCRETE MIX.
- 2. CIRCUMSTANCES MAY REQUIRE THE NEED FOR SPECIAL TYPES OF TOP OF MANHOLE CONFIGURATIONS SUCH AS FLAT TOP, ABOVE GROUND, ETC. AS DIRECTED BY THE CITY OF SPARKS. DETAILED PLANS OF ANY SPECIAL TOP OF MANHOLE CONFIGURATIONS AND ASSOCIATED COLLARS MUST BE APPROVED BY THE ENGINEER.
- 3. IN UNPAVED AREAS, IT SHALL BE NECESSARY TO SET THE MANHOLE RIM APPROXIMATELY 6 INCHES ABOVE THE SURROUNDING AREA. INSTALL A 6 INCH THICK RING OF CONCRETE, TAPERED AT A 3:1 SLOPE, FROM THE TOP, OUTSIDE EDGE OF THE COLLAR TO THE EXISTING GROUND SURFACE.
- 4. EXISTING SANITARY SEWER MANHOLE LIDS LOCATED IN GUTTER PANS, SHALL HAVE NEW WATER TIGHT FRAMES AND COVERS.
- ALL GRADE RING JOINTS ARE TO BE GROUTED WITH NON-SHRINK GROUT HAVING THE FOLLOWING CHARACTERISTICS: 3000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD AND SLUMP AT 1 TO 4 INCHES. ALL MATERIAL SHALL CONFORM TO SSPWC.
- 6 ALL GRADE RINGS SHALL BE PORTLAND CEMENT CONCRETE. PVC GRADE RINGS ARE NOT ALLOWED.

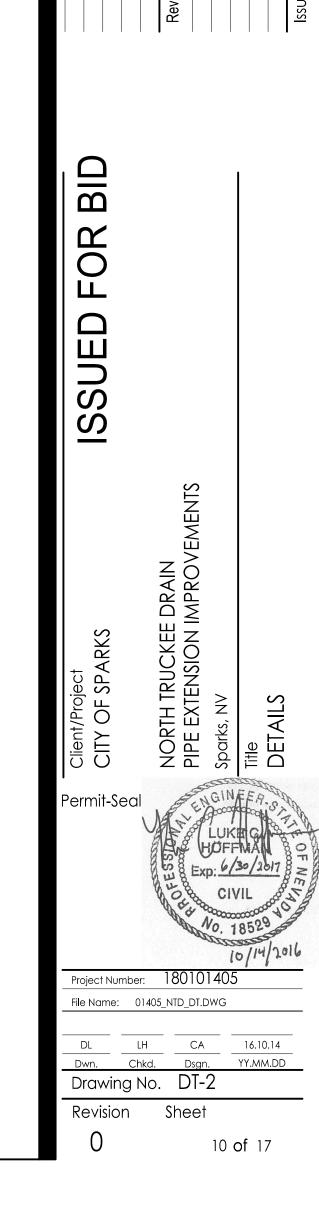


24" FRAME AND COVER NOTES:

- 1. CITY OF SPARKS LOGO FRAME AND COVERS SHALL BE D&L FOUNDRY A1032 CITY OF SPARKS FRAME AND COVER OR APPROVED EQUAL. SPARKS LOGO FRAMES AND COVERS ARE TO BE PLACED ONLY ON CITY OF SPARKS MAINTAINED FACILITIES. PRIVATE FACILITIES SHALL NOT HAVE THE SPARKS LOGO ON THE LIDS. THEY SHALL ONLY HAVE THE LETTERS INDICATING "SS" OR "SD".
- FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
   CASTINGS SHALL BE CAST GRAY IRON AND MEET THE REQUIREMENTS OF ASTM A-48, CLASS 35B, NO PAINT.



MANHOLE FRAME AND COVER



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## Sample Specification

PART 1: GENERAL

### 1.01 SUBMITTALS

A. Submit product literature that includes information on the performance and operation of the valve, materials of construction, dimensions and weights, elastomer characteristics, headloss, flow data and pressure ratings.

B. Upon request, provide shop drawings that clearly identify the valve materials of construction and dimensions.

#### 1.02 QUALITY ASSURANCE

A. Supplier shall have at least twelve (12) years experience in the design and manufacture of "CheckMate®" style elastomeric check

B. Manufacturer shall have conducted independent hydraulic testing to determine headloss, jet velocity and vertical opening height characteristics on multiple sizes of CheckMate® valves ranging from 4" through 72". The testing must have been conducted for free discharge (discharge to atmosphere) and submerged conditions.

#### PART 2: PRODUCTS

# 2.01 "CHECKMATE®" ELASTOMERIC CHECK VALVES

A. Check Valves are to be all rubber and the flow operated check type with slip-in cuff or flange connection. The entire CheckMate® Valve shall be ply reinforced throughout the body, disc and bill, which is cured and vulcanized into a one-piece unibody construction. A separate valve body or pipe used as the housing is not acceptable. The valve shall be manufactured with no metal, mechanical hinges or fasteners, which would be used to secure the disc or bill to the valve housing. The port area of the disc shall contour down, which shall allow passage of flow in one direction while preventing reverse flow. The entire valve shall fit within the pipe I.D. Once installed, the CheckMate® Valve shall not protrude beyond the face of the structure or end of the pipe.

B. The downstream end of the valve must be circumferentially in contact with the pipe while in the closed positions.

C. Slip-in style CheckMate® Valves will be furnished with a set of stainless steel expansion clamps. The clamps, which will secure the valve in place, shall be installed inside the cuff portion of the valve, based on installation orientation, and shall expand outwards by means of a turnbuckle. Each clamp shall be predrilled allowing for the valve to be pinned and secured into position in accordance with the manufacturer's installation instructions. Flange style CheckMate® Valves will be furnished with a stainless steel, ANSI 125/150 drilled, retaining ring unless specified otherwise.

D. Manufacturer must have flow test data from an accredited hydraulics laboratory to confirm pressure drop and hydraulic data. Company name, plant location, valve size patent number, and serial number shall be bonded to the check valve.

#### 2.02 FUNCTION

A. When line pressure exceeds the backpressure, the line pressure forces the bill and disc of the valve open, allowing flow to pass. When the backpressure exceeds the line pressure, the bill and disc of the valve is forced closed, preventing backflow.

#### 2.03 MANUFACTURER

A. All valves shall be of the slip-in or flanged CheckMate® as manufactured by Tideflex Technologies®, A Division of Red Valve Company, Carnegie, PA 15106. All valves shall be manufactured in the U.S.A.

#### **PART 3: EXECUTION**

# 3.01 INSTALLATION

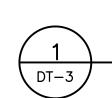
A. Valve shall be installed in accordance with manufacturer's written Installation and Operation Manual and approved submittals.

### 3.02 MANUFACTURER'S CUSTOMER SERVICE

A. Manufacturer's authorized representative shall be available for customer service during installation and start-up, and to train personnel in the operation, maintenance and troubleshooting of

B. If specified, the manufacturer shall also make customer service available directly from the factory in addition to authorized representatives for assistance during installation and start-up, and to train personnel in the operation, maintenance and troubleshooting of the valve.

6 Check Valves

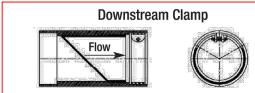


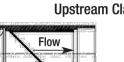
TIDE FLEX SPECIFICATIONS CHECKMATE 60"

# CHECKMATE® VALVE

Designed for Inline Service

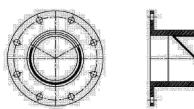
#### **Mounting Styles and Configurations**

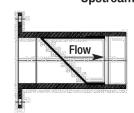


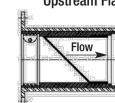


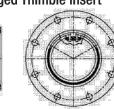


# Downstream Flanged









Check Valves 7

Flange shape and bolt pattern can be customized. Flangeless thimble inserts are available.

CHECKMATE® VALVE								
NOMINAL PIPE SIZE I.D.*		OVERALL LENGTH**		NUMBER OF CLAMPS	CUFF Depth		BACK PRESSURE RATING	
nches	Millimeters	Inches	Millimeters	UF GLAWIPS	Inches	Millimeters	Feet	Meters
4	100	7.86	200	1	1.5	38	40	12
6	150	9	229	1	2	51	40	12
7	178	12.75	324	1 1	2	51	40	12
8	200	15.23	387	1 1	2	51	40	12
9	225	15.38	391	1	2	51	40	12
10	250	16.12	409	1	2	51	40	12
12	300	23	584	1	2	51	40	12
14	350	25.75	654	1	4	102	20	6
16	400	28.61	727	1	4	102	20	6
18	450	31	787	1	4	102	20	6
20	500	42.14	1070	2	8	203	20	6
24	600	47.5	1207	2	8	203	20	6
30	750	54.87	1394	2	8	203	20	6
36	900	62.25	1581	2	8	203	20	6
42	1050	70.62	1794	2	8	203	13	4
48	1200	79	2007	2	8	203	13	4
54	1350	86.37	2194	2	8	203	13	4
60	1500	102.5	2604	2	12	305	13	4
72	1829	119	3023	3	12	305	10	3

TIDE FLEX SPECIFICATIONS

CHECKMATE 60"

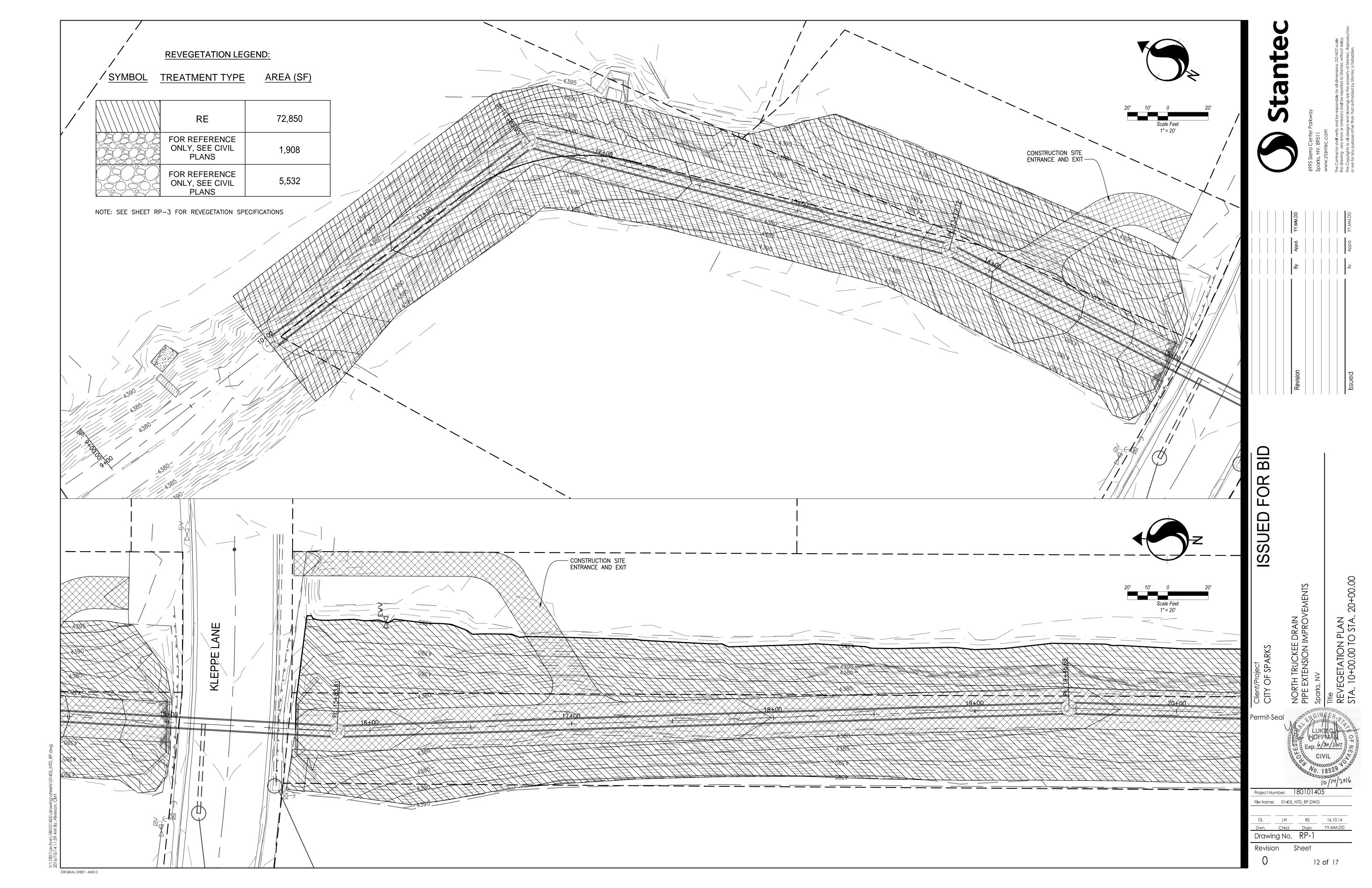
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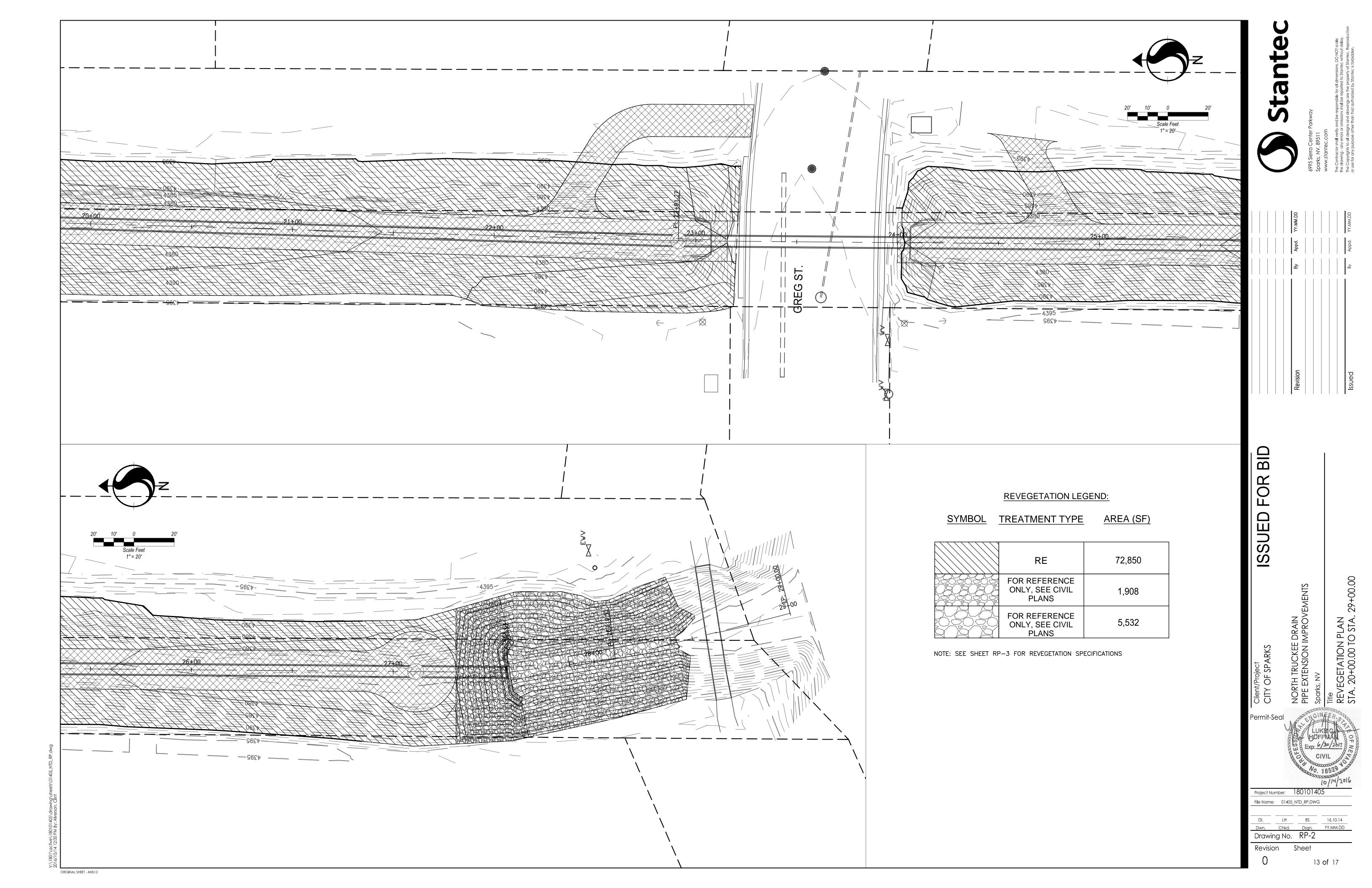
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 Chkd.
 Dsgn.
 YY.MM.DD
 Drawing No. DT-3





# **EROSION CONTROL SPECIFICATIONS**

1. GENERAL. THE WORK CONSISTS OF REFERENCE PLANT SURVEY, SOIL TESTING, WEED CONTROL, SALVAGING AND REPLACING TOPSOIL, SEEDING, AND HYDROMULCHING ON GRADED AND DISTURBED AREAS.

COORDINATE EROSION CONTROL WORK WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

UNLESS THE PROJECT SITE IS IRRIGATED, PERFORM SEEDING BETWEEN SEPTEMBER 15, 2016 AND FEBRUARY 15 OF ANY YEAR.

DO NOT ALLOW CHEATGRASS (BROMUS TECTORUM) OR RED BROME (BROMUS RUBENS) OR NOXIOUS WEEDS WITHIN THE PROJECT AREA. REMOVE WEEDS BY HAND OR TREAT WITH HERBICIDES APPROVED FOR USE IN THE CITY OF SPARKS AND APPLY ACCORDING TO MANUFACTURER'S DIRECTIONS.

- 2. REFERENCE PLANT SURVEY AND SOIL TESTING. CONTRACTOR TO OBTAIN REFERENCE PLANT SURVEY OF EXISTING SPECIES AND COVER OF SITE THAT WILL BE DISTURBED AND REVEGETATED AND SUBMIT TO OWNER'S REPRESENTATIVE WITHIN 4 WEEKS OF CONTRACT AWARD. CONTRACTOR TO OBTAIN 3 REPRESENTATIVE SOIL SAMPLES EQUALLY DISTRIBUTED IN THE SITE TO BE DISTURBED AND REVEGETATED. SOIL SAMPLES SHALL BE SENT TO A LABORATORY EQUIPPED TO TEST SOILS FOR POSSIBLE AMENDMENTS NEEDED FOR NATIVE, ADAPTED SEEDED PLANT REVEGETATION. CONTRACTOR SHALL PROVIDE AMENDMENTS PER SOIL TEST RECOMMENDATIONS.
- 3. WEED CONTROL. PRIOR TO SALVAGING TOPSOIL APPLY GLYPHOSATE (ROUNDUP®,AQUAMASTER™,OR RODEO®) TO ELIMINATE CHEATGRASS, RED BROME AND/OR ANY NOXIOUS WEEDS IN ALL AREAS TO BE SEEDED.

RATE: USE 1-1/2 PINTS TO 2 QUARTS ACCORDING TO LABEL RATES PLUS 2 QUARTS OF NONIONIC SURFACTANT PER ACRE.

TIME: APPLY WHEN PLANTS ARE ACTIVELY GROWING BEFORE BUD FORMATION. REPEAT APPLICATIONS AS NECESSARY TO ELIMINATE AFORE MENTIONED WEEDS.

REMARKS: GLYPHOSATE IS A NONSELECTIVE HERBICIDE THAT KILLS MOST PLANTS, INCLUDING THOSE THAT COMPETE WITH NEW WEED SEEDLINGS.

WAIT 10 DAYS MINIMUM AFTER TREATMENT FOR SEEDING. OR LONGER BASED ON HERBICIDE MANUFACTUER RECOMMENDATIONS.

CAUTION: FOLLOW THE LABEL RECOMMENDATIONS AND PRECAUTIONS, ESPECIALLY FOR USE IN AND NEAR WATER.

REMOVE WEED DEBRIS AND DISPOSE OF OFF SITE.

4. TOPSOIL (SALVAGE). TOPSOIL (SALVAGE) CONSISTS OF REMOVING EXISTING TOPSOIL, ROCK AND VEGETATION; STOCKPILING, TREATING IF REQUIRED, PREPARING AREAS FOR PLACEMENT, PLACING AT DESIGNATED AREAS, AND COMPACTING.

REMOVE EXISTING TOPSOIL TO A DEPTH OF 6 INCHES. STOCKPILE THIS MATERIAL IN APPROVED AREAS.

DO NOT STOCKPILE TOPSOIL MORE THAN 6 FEET IN HEIGHT AND DO NOT COMPACT STOCKPILES. STABILIZE STOCKPILES OF TOPSOIL THAT ARE IN PLACE FOR LESS THAN 1 MONTH WITH WATER OR DUST PALLIATIVE. DUST PALLIATIVE SHALL NOT INHIBIT VEGETATIVE GROWTH. FOR TOPSOIL STOCKPILES IN PLACE MORE THAN 1 MONTH, APPLY AN EROSION CONTROL TREATMENT TO THE STOCKPILE CONSISTING OF A SLURRY WITH SEED, SOIL INOCULANT, MULCH TACKIFIER, WATER AND AMENDMENTS AS SPECIFIED.

PREPARE FINAL PLACEMENT AREAS BY CULTIVATING AND ROUGHENING SLOPES WITH RIPPERS, DISCS OR OTHER APPROVED EQUIPMENT IN THE DIRECTION WITH THE CONTOURS WHERE POSSIBLE TO A DEPTH OF 6 INCHES.

DO NOT PERFORM CULTIVATION UNTIL ALL OTHER EQUIPMENT IS THROUGH WORKING IN THE AREA.

OPERATE EQUIPMENT SUCH THAT FURROWS ARE PRODUCED PERPENDICULAR TO THE NATURAL FLOW OF WATER.

TRANSPORT TOPSOIL DIRECTLY FROM THE STOCKPILE TO FINAL POSITION. EVENLY AND UNIFORMLY SPREAD TOPSOIL TO A DEPTH OF 4 INCHES. IF NEEDED, MOISTEN WITH WATER AS DIRECTED TO INCREASE THE BOND BETWEEN THE TOPSOIL AND SUBSOIL. THE TOPSOIL FINISHED SURFACE SHALL CONFORM TO THE FINISHED GRADE CONTOURS DEPICTED ON THE GRADING PLANS.

DO NOT PLACE TOPSOIL WHEN THE GROUND OR TOPSOIL IS FROZEN, EXCESSIVELY WET, OR NOT IN AN ACCEPTABLE CONDITION TO FACILITATE UNIFORM SPREADING.

COMPACT TOPSOIL IN ACCORDANCE WITH SECTION 5.

5. COMPACTION. COMPACT TOPSOIL BY SHEEPSFOOT ROLLER OR SIMILAR APPROVED EQUIPMENT WHICH WILL PRODUCE 150-300 PSI GROUND PRESSURE TO PRODUCE FINAL COMPACTION OF TOPSOIL THAT IS APPROXIMATELY 70-80 PERCENT OF THE RELATIVE MAXIMUM DENSITY. DESIGN AND CONSTRUCTION EQUIPMENT TO PRODUCE A UNIFORM ROUGH TEXTURED SURFACE CONSISTING OF SMALL UNDULATIONS THAT TRAP SURFACE RUNOFF AND BREAK UP SURFACE FLOW CONTINUITY, AND WHICH WILL BOND THE TOPSOIL TO THE UNDERLYING MATERIAL. OPERATE COMPACTION EQUIPMENT PARALLEL TO THE NATURAL FLOW OF WATER ON THE SLOPES OR PERPENDICUALR TO THE CONTOUR OF THE SLOPES, UNLESS OTHERWISE APPROVED. CONVEY THE ROLLER OR APPROVED EQUIPMENT UP AND DOWN THE SLOPES BY APPROVED MEANS. FINISH GRADE OF THE TOPSOIL TO BE 1 INCH BELOW THE TOP OF CURBS, CATCH BASINS, AND OTHER STRUCTURES.

TO CONDITION THE TOPSOIL FOR COMPACTION, FURNISH A SUITABLE AMOUNT OF WATER AND APPLY BY APPROVED METHODS. MOISTEN TOPSOIL WITH WATER TO BIND TOPSOIL TOGETHER.

6. SOIL AMENDMENTS AND INOCULANTS. APPLY INOCULANT AT A RATE OF 50 POUNDS PER ACRES. APPLY LIQUID HUMIC ACID AT A RATE OF 5 GAL/ACRE. APPLY AMENDMENTS RECOMMENDED IN SOIL TESTS AS DESCRIBED IN SECTION 2. SOIL TESTING.

7. SEEDING AREA — RA. SEEDING CONSISTS OF APPLYING SOIL AMENDMENTS AND INOCULANTS, PREPARING THE AREAS, APPLYING SEED AND APPLYING MULCH AND TACKIFIER.

FURNISH AND APPLY SOIL AMENDMENTS AND INOCULANTS AT THE RATES SPECIFIED IN SECTION 2 AND 6.

EVENLY APPLY SOIL AMENDMENTS AND INOCULANTS ON THE AREAS TO BE SEEDED. APPLY HYDRAULICALLY MIXING SOIL AMENDMENTS AND INOCULANTS IN A TANK EQUIPPED WITH AN AGITATOR SO THAT A UNIFORM SUSPENSION IS ACHIEVED AND MAINTAINED. THE AMENDMENTS AND INOCULANTS SHALL NOT REMAIN IN THE TANK LONGER THAN 1 HOUR.

MIX AMENDMENTS AND INOCULANTS INTO SOIL AND PREPARE THE SEEDING AREAS BY TILLING THE SOIL TO A MINIMUM DEPTH OF 6 INCHES. OPERATE EQUIPMENT SUCH THAT FURROWS ARE PRODUCED PERPENDICULAR TO THE NATURAL FLOW OF WATER. REMOVE AND DISPOSE OF ALL ROCKS LARGER THAN 6 INCHES IN SMALLEST DIMENSION FROM THE SURFACE FO SLOPES TO BE SEEDED.

GIVE A MINIMUM OF 48 HOURS NOTIFICATION IN ADVANCE OF ANY SEEDING OPERATIONS FOR APPROVAL OF THE SEEDING AREAS. AFTER APPROVAL, SEEDING OF THE APPROVED AREAS MAY BEGIN.

MATERIALS FOR SEEDING SHALL BE BATCHED ON SITE UNDER THE OBSERVATION OF THE OWNER'S REPRESENTATIVE.

PROVIDE QUALIFIED PERSONNEL EXPERIENCED IN ALL PHASES OF SEEDING, EQUIPMENT, AND METHODS AS HEREIN SPECIFIED.

DO NOT SEED WHEN THERE ARE SUSTAINED WINDS OF 13 MPH OR MORE, OR CONDITIONS THAT MAY CAUSE MATERIAL TO DISPERSE OR APPLY INACCURATELY. DO NOT SEED WHEN THE GROUND IS FROZEN.

DRILL SEED WITH APPROVED POWER-DRAWN DRILL WITH DOUBLE-DISC FRONT DELIVERY OPENERS AND DEPTH BANDS FOR POSITIVE DEPTH CONTROL. SET DEPTH CONTROL AT A DEPTH OF 1/2 INCH FOR CONSISTENT FURROW BOTTOM PLACEMENT. AN APPROVED DEEP FURROW DRILL MAY BE USED WHERE IT IS DETERMINED THE SEEDBED IS FIRM AND THERE IS LITTLE DANGER OF SOIL BLOWING. AN APPROVED SPREADER MAY BE USED FOR FERTILIZER PLACEMENT. CALIBRATE DRILLS AND SPREADERS USING AN APPROVED METHOD BEFORE USE. UNIFORMLY SPREAD SEED AT THE RATE AND MIX SPECIFIED.

8. MULCH AND TACKIFIER. WITHIN 24 HOURS AFTER EACH AREA IS SEEDED A SLURRY CONTAINING TACKIFIER AND MULCH SHALL BE APPLIED. APPLY SLURRY CONSISTING OF PLANT BASED TACKIFER AT 200 POUNDS/ACRE AND RECYCLED PAPER MULCH AT 200 POUNDS/ACRE. THE SLURRY SHALL CONTAIN A COLOR ADDITIVE WHICH WILL ASSIST THE APPLICATOR IN THE UNIFORM APPLICATION OF THE MIXTURE.

APPLY THE SLURRY WITH APPROVED HYDRAULIC EQUIPMENT. USE EQUIPMENT WITH A BUILT IN AGITATION SYSTEM WITH AN OPERATING CAPACITY SUFFICIENT TO AGITATE, SUSPEND, AND HOMOGENEOUSLY MIX THE SPECIFIED PORTIONS OF THE SLURRY. EQUIP DISTRIBUTION AND DISCHARGE LINES WITH A SET OF HYDRAULIC DISCHARGE SPRAY NOZZLES WITH TWILL PROVIDE A UNIFORM DISTRIBUTION FOR THE SLURRY.

DO NOT DISTURB SURFACE AREAS AFTER MULCHING AND TACKING IS COMPLETE. REPAIR DAMAGED AREAS AS DIRECTED.

9. SEED MIX (PLS LBS/ACRE)

GRASSES/FORBS:

SIBERIAN WHEATGRASS/'VAVILOV'

RUSSIAN WILDRYE/'BOZOISKY'

BASIN WILDRYE

5

INDIAN RICEGRASS/'NEZPAR'

LEWIS FLAX
PALMER PENSTEMON

SHRUBS:

FOURWING SALTBRUSH/'RINCON'

FORAGE KOCHIA/'IMMIGRANT'

TOTAL 29

- 10. CERTIFICATES AND SAMPLES.
- a. SEEDS. FURNISH SEEDS IN STANDARD CONTAINERS OR SEALED BAGS ON WHICH SHOW THE FOLLOWING INFORMATION:
- i. SEED NAME, SCIENTIFIC AND COMMON NAME, LOT NUMBER, NET MASS, PERCENTAGE OF PURE LIVE SEED INCLUDING HARD AND DORMANT SEED, PERCENTAGE OF WEED SEED CONTENT AND INERT MATERIAL CLEARLY MARKED FOR REACH KING OF SEED ACCORDING TO APPLICABLE STATE AND FEDERAL LAWS. WEED SEED SHALL NOT EXCEED 0.5% OF PURE LIVE SEED, NO NOXIOUS WEED SEED SHALL BE PRESENT, PRESENT CROP SEED, SUPPLIER NAME, ADDRESS AND PHONE NUMBER. DO NOT USE SEED WHICH HAS BECOME WET, MOLDY OR OTHERWISE DAMANGED IN TRANSIT OR STORAGE. PROVIDE SEED AT LEAST 95% PURE AND HAVING A MINIMUM OF 85% GERMINATION. STORE SEED IN A COOL WATERTIGHT FACILITY WITH TEMPERATURES LESS THAN 81 DEGREES F.
- ii. FURNISH DUPLICATE COPIES OF A STATEMENT SIGNED BY THE VENDOR CERTIFYING THAT EACH LOT OF SEED HAS BEEN TESTED BY A RECOGNIZED SEED TESTING LABORATORY WITH 6 MONTHS BEFORE THE DATE OF SEEDING ON THE PROJECT. SUBMIT ORIGINAL LABORATORY SEED TESTS BY LOT NUMBER A MINIMUM OF 30 DAYS BEFORE APPLICATION. SEED TAGS SHALL REFLECT THE MOST RECENT TEST DATE AND SHALL BE SUBMITTED FOR APPROVAL. ALL SEED IS SUBJECT TO INSPECTION. THE STATE DIVISION OF AGRICULTURE SHALL RANDOMLY SAMPLE AND TEST SEED BEFORE USE ON THE PROJECT. FURNISH A COPY OF THE STATE DIVISION OF AGRICULTURE'S APPROVAL LETTER.
- b. SOIL INOCULANTS.
- i. THE INOCULA SHALL CONTAIN AT A MINIMUM 120 LIVE SPORES PER GRAM. LABEL PRODUCT BAGS WITH A LOT NUMBER AND THE HARVEST DATE OF THE INOCOLA. TRANSPORT AND STORE INOCULA IN AREAS WITH A TEMPERATURE LESS THAN 90 DEGREES F AND KEEP TEMPERATURES ABOVE FREEZING.
- ii. PROVIDE 28 GRAM SAMPLES WITH PACKAGE LABELS 30 DAYS PRIOR TO APPLICATION FOR VERIFICATION OF SPECIES AND LIVE PROPAGULES. OBTAIN A COMPOSITE SAMPLE FROM THE TOP, MIDDLE AND BOTTOM OF THE BAG AND/OR MICRO=BAG SAMPLES PER CASE. SUBMIT SAMPLES TO A SOILS LABORATORY CAPABLE FO TEXTING THESE SAMPLES USING THE MEAN INFECTION PERCENTAGE (MIP) ASSAY TEST METHOD. SUBMIT LAB TEST RESULTS FOR APPROVAL.
- c. HERBICIDES. PROVIDE HERBICIDE CERTIFICATES WITH THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS CLEARLY MARKED, ALL CONFORMING TO STATE AND FEDERAL LAWS. HERBICIDES SHALL NOT CONTAIN SOIL STERILANTS.
- d. MULCH. PROVIDE MULCH CERTIFICATION WITH THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS CLEARLY MARKED, ALL CONFORMING TO STATE AND FEDERAL LAWS.
- e. TACKIFIER. PROVIDE TACKIFIER CERTIFICATION WITH THE MANUFACTURE'S GUARANTEED STATEMENT OF ANALYSIS CLEARLY MARKED, ALL CONFORMING TO STATE AND FEDERAL LAWS. THE STANDARD SWELL VOLUME SHALL BE CONSIDERED AS 30 MILLILITERS PER GRAM. MATERIAL SHALL HAVE A SWELL VOLUME OF AT LEAST 24 MILLILITERS PER GRAM.
- 11. SUBMITTALS
- a. SOIL TEST AND AMENDMENT RECOMMENDATIONS
- b. SEED MIX
- c. INOCULANT
- d. HUMIC ACID e. MULCH
- f. TACKIFIER g. EQUIPMENT FOR SOIL ROUGHENING
- h. SHEEPSFOOT FOR COMPACTING
- i. CONSTRUCTION SCHEDULE
  - WARRANTY. CONTRACTOR TO ACHIEVE 70% OF PRE-CONSTRUCTION PLANT COVER BEFORE WARRANTY IS ACHIEVED WITHIN 2 YEARS OF INITIAL TREATMENT. PRE-CONSTRUCTION COVER SHALL BE BASED ON REFERENCE PLANT SURVEY, SECTION 2. IF ADEQUATE COVERAGE IS NOT ACHIEVED, REAPPLY ALL COMPONENTS OF EROSION CONTROL TREATMENT WITHIN 1 YEAR OF INITIAL TREATMENT AND ADDITIONALLY AS NEEDED.

On By Appd. YY.MM.DD

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CKEE DRAIN ION IMPROVEMENTS

NORTH TRUCKEE DI PIPE EXTENSION IM Sparks, NV

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Project Number: 180101405

File Name: 01405\_NTD\_RP.DWG

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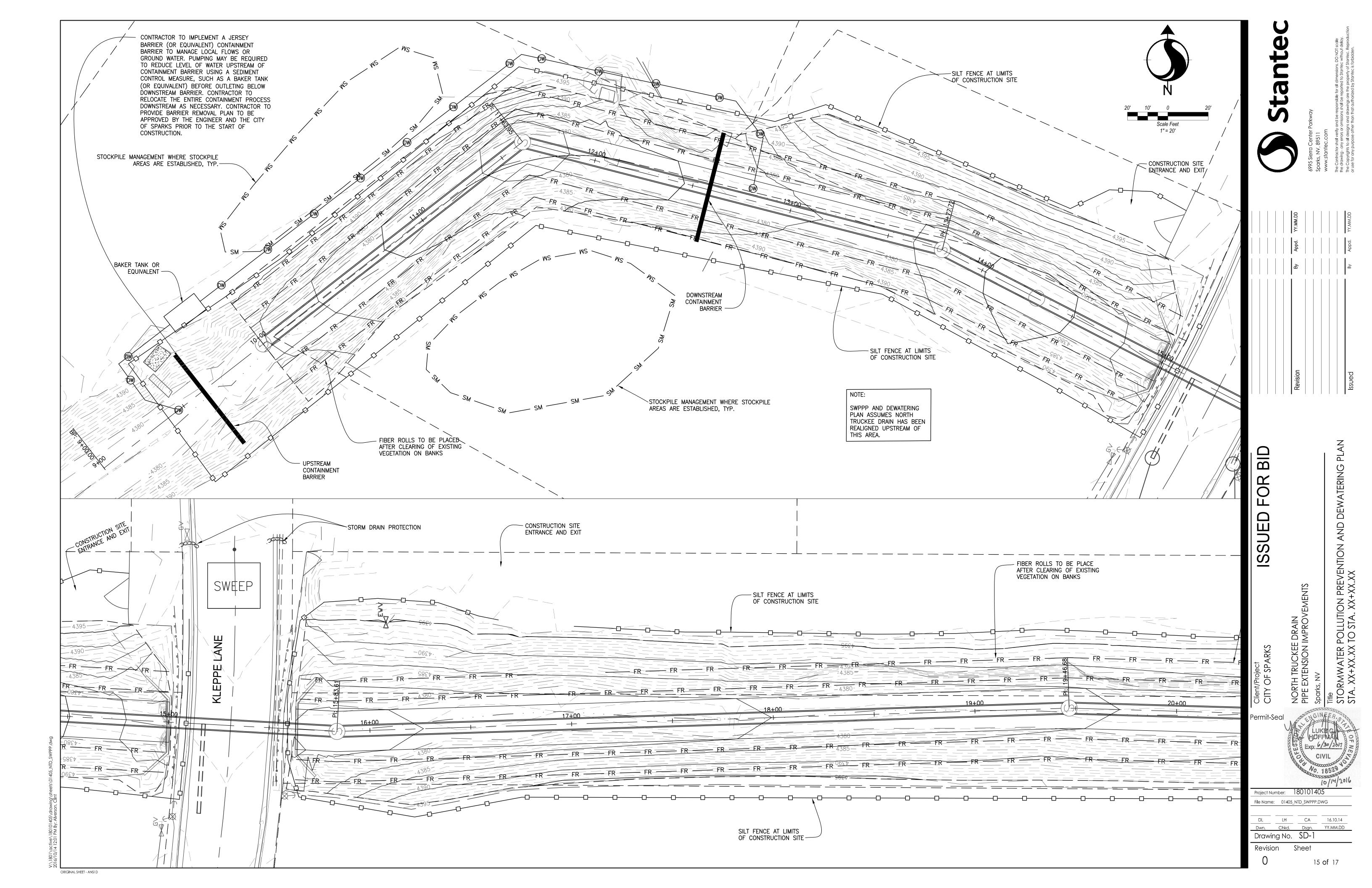
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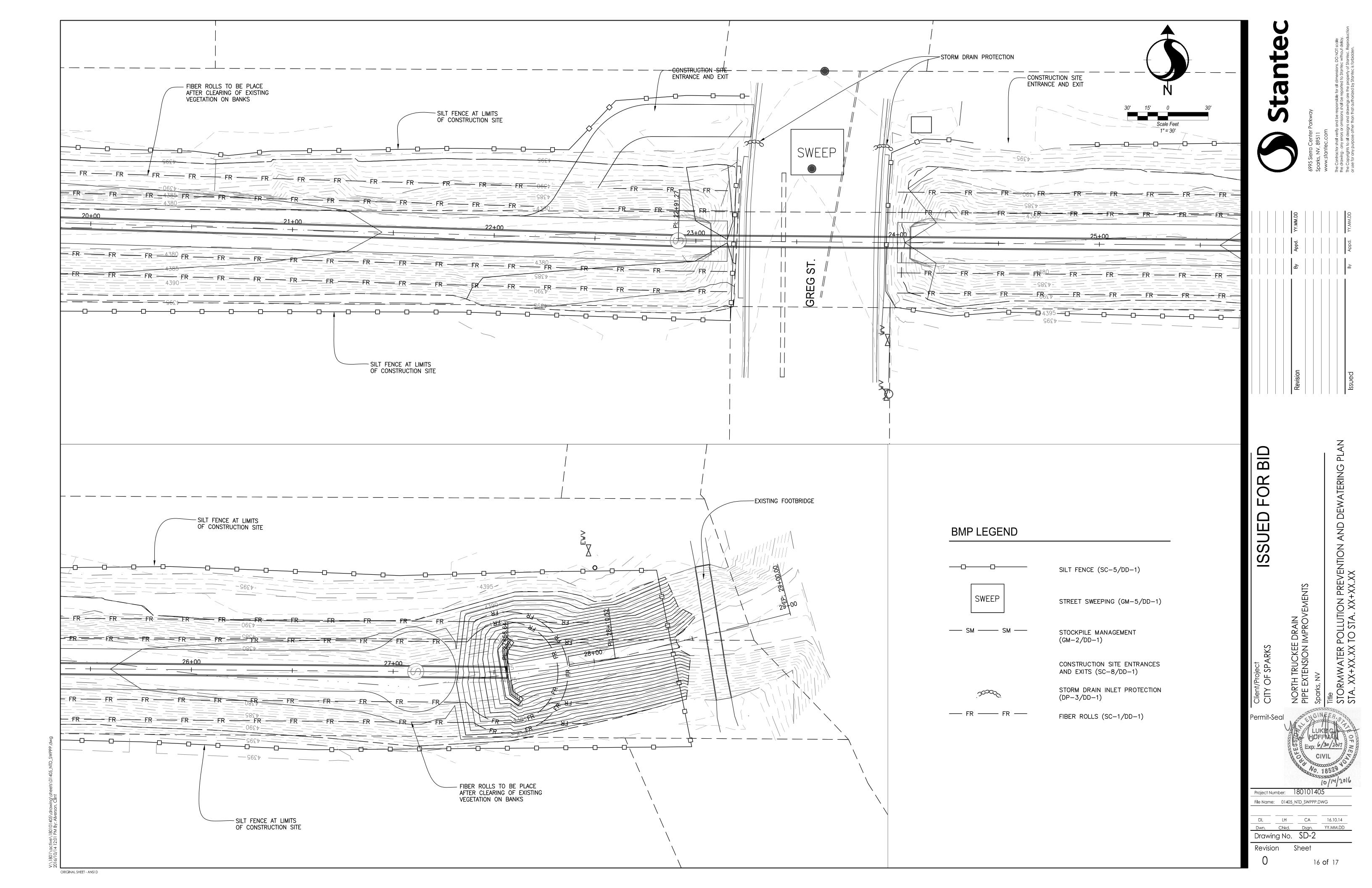
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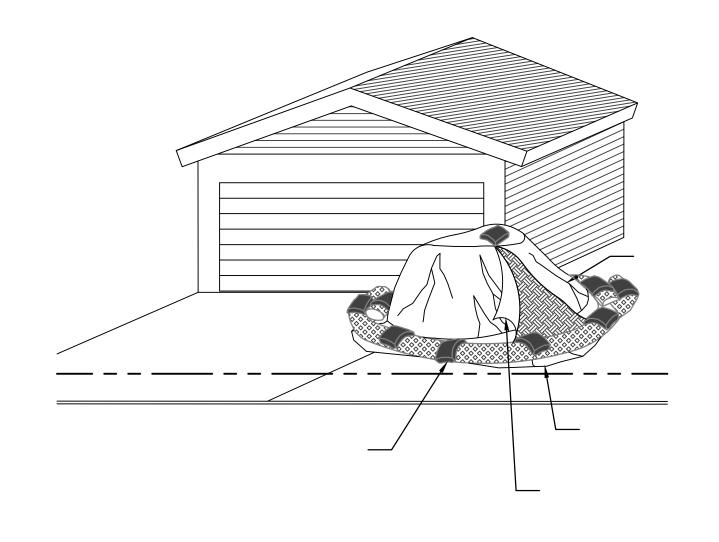
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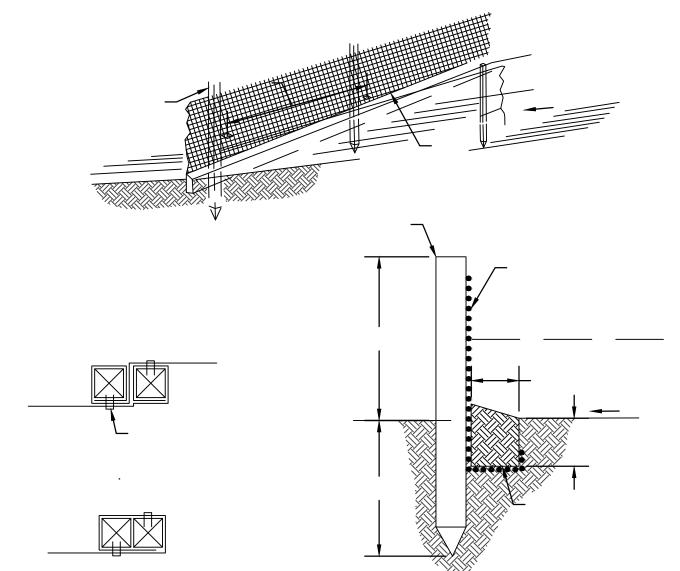


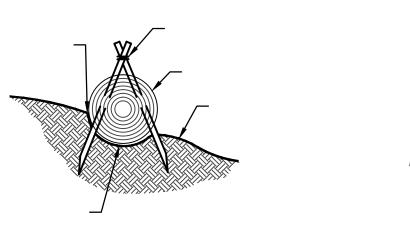


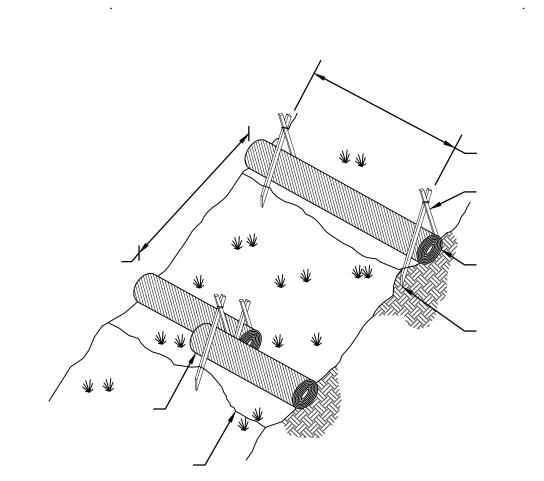


TRPA BMP-510: STOCKPILE MANAGEMENT



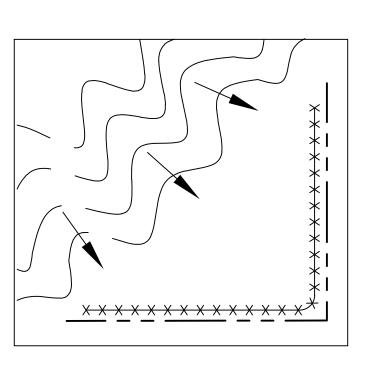


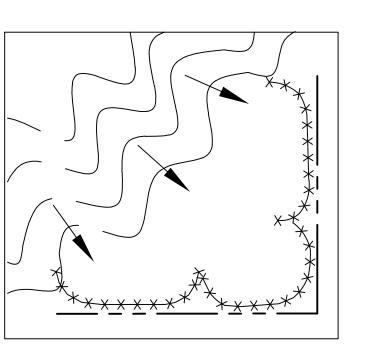




TRPA BMP-512: FIBER ROLL







TRPA BMP-513: SILT FENCE

ORIG**I**NAL SHEET - ANSI D



TRPA BMP-514: SILT FENCE PLACEMENT



#### GENERAL NOTES FOR STORMWATER POLLUTION PREVENTION PLAN

- A) ALL PUBLIC RIGHT OF WAYS LOCATED ADJACENT TO THE SITE MUST BE CLEANED DAILY OF ALL SEDIMENT OR WASTES THAT ORIGINATE FROM THE SITE.
- B) BMP'S IN ADDITION TO THOSE INDICATED IN THE SWPPP MAY BE REQUIRED IF THEY DON'T MEET LOCAL PERFORMANCE
- C) TEMPORARY OR PERMANENT STABILIZATION MUST BE APPLIED NO LATER THAN 14 DAYS TO ALL DISTURBED SOILS, INCLUDING STOCKPILES, WHERE CONSTRUCTION ACTIVITY HAS CEASED.
- D) ALL BMP'S MUST BE INSPECTED WEEKLY, PRIOR TO FORCASTED RAIN EVENTS, AND WITHIN 24-HOURS AFTER ANY EVENT THAT CREATES RUNOFF AT THE SITE.
- E) ACCUMULATED SEDIMENT MUST BE REMOVED FROM BMP'S 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 FORCASTED RAIN EVENT, WHICHEVER IS EARLIER.
- F) CONSTRUCTION ENTRANCE/EXIT; LOCATIONS OF STAGING, BORROW AND STOCKPILING AREAS; VEHICLE AND EQUIPMENT STORAGE LOCATIONS; ONSITE AND OFFSITE MATERIAL AND WASTE STORAGE AREAS, LOCATION OF CONCRETE WASHOUT AREA AND OTHER MISCELLANEOUS SHALL BE DETERMINED BY THE CONTRACTOR PER AGENCY GUIDANCE.
- G) THE CONTRACTOR SHALL COMPLY WITH THE NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND WASHOE COUNTY PERMITTING AND BMP GUIDELINES.
- H) PRELIMINARY BMP PLAN, CONTRACTOR RESPONSIBLE FOR FINAL BMP AND SWPPP PLANS.
- CONTRACTOR SHALL SALVAGE AND STOCKPILE TOPSOIL FOR RE-USE PER THE LANDSCAPE DESIGN PLANS.
- J) CONTRACTOR SHALL COORDINATE BMPs/SWPPP WITH OTHER ONGOING PROJECT MILLS PHASES OCCURING IN THE AREA.
- K) REFER TO THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES HANDBOOK, DATED JUNE 2008 FOR ADDITIONAL INFORMATION AND BMP DETAILS.

# STORMWATER POLLUTION PREVENTION PLAN STANDARD NOTES

- 1. STANDARD NOTE NO. 1: THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAYS OF WASHOE COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- 2. STANDARD NOTE NO. 2: ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN WASHOE COUNTY ORDINANCE NO. 1223 AND THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES
- 3. STANDARD NOTE NO. 3: TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO STORMWATER GENERAL PERMIT NVR100000, SECTION 1.B.1.B.(2).
- 4. STANDARD NOTE NO. 4: AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OR SUSPENSIONS OF LAND DISTURBANCE ACTIVITIES. REFER TO STORMWATER GENERAL PERMIT NVR100000, SECTION 1.B.1.G.
- 5. STANDARD NOTE NO. 5: ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

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Project Number: 180101405

File Name: 01405\_NTD\_SWPPP.DWG CA 16.10.14

> Drawing No. SD-3 Revision

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