DAYBREAK
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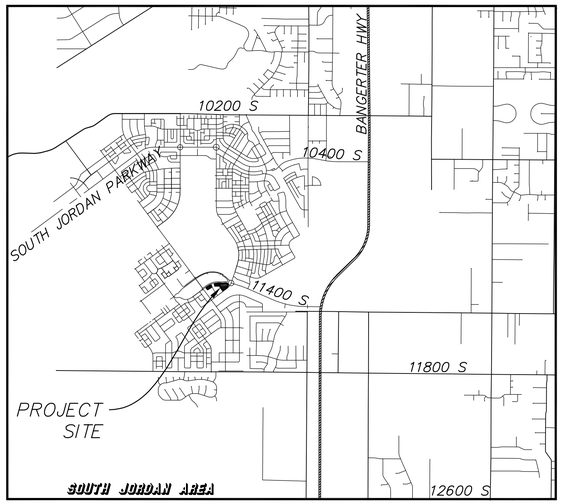
RioTinto

Kennecott Land

DAYBREAK
VILLAGE CENTER #1
MULTI FAMILY #6

Residential Development
South Jordan, Utah

CONSTRUCTION PLANS
MARCH 25, 2014



VICINITY MAP

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SITE MAP

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801.628.6004 TEL 801.590.6611 FAX
WEST JORDAN, UT 84088
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SOUTH JORDAN CITY

CITY ENGINEER DATE

MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: JTA
DWN BY: SKS
CKD BY: XXX
SUBMITTED BY:
DATE: FEB. 2014
SOLICITATION NO:
CONTRACT NO: 00348
FILE NAME: N:\00182 Daybreak\Cadd\IP\Sego 6\01-TC01
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PLOT DATE: 3/28/2014 11:09:36 AM
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DAYBREAK
VC1 MF6
TITLE SHEET

SHEET NUMBER
01
OF 09 SHEETS
DRAWING NAME
TC01

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3/28/2014 11:09:36 AM

SOUTH JORDAN CITY GENERAL NOTES
(Updated 12-15-12)

1.1.0 South Jordan City General Notes

1. All work done or improvements installed within South Jordan City including but not limited to excavation, construction, roadwork and utilities shall conform to the South Jordan City Construction Standards and Specifications, City Municipal Code and the latest edition of the APWA Manual of Standard Specifications and Manual of Standard Plans, and any state or federal regulations and permit requirements of various governing bodies. The contractor is responsible to have a copy of these specifications and to know and conform to the appropriate codes, regulations, drawings, standards and specifications.

2. The existence and location of any overhead or underground utility lines, pipes, or structures shown on these plans are obtained by a research of the available records. Existing utilities are located on plans only for the convenience of the Contractor. The contractor shall bear full responsibility for the protection of utilities and the engineer bears no responsibility for utilities not shown on the plans or not in the location shown on the plans. This includes all service laterals of any kind. The Contractor shall, at his own expense, locate all underground and overhead interferences, which may affect his operation during construction and shall take all necessary precautions to avoid damage to same. The Contractor shall use extreme caution when working near overhead utilities so as to safely protect all personnel and equipment, and shall be responsible for all cost and liability in connection therewith.

3. The Contractor shall take all precautionary measures necessary to protect existing utility lines, structures, survey monuments and street improvements which are to remain in place, from damage, and all such improvements or structures damaged by the Contractor's operations shall be repaired or replaced satisfactory to the City Engineer and owning utility company at the expense of the Contractor.

4. All construction shall be as shown on these plans, any revisions shall have theprior written approval of the City Engineer.

5. Permits are required for any work in the public way. The Contractor shall secure all permits and inspections required for this construction.

6. Curb, gutter, and sidewalk, found to be unacceptable per City Standards and APWA shall be removed and replaced.

7. Contractor shall provide all necessary horizontal and vertical transitions between new construction and existing surfaces to provide for proper drainage and for ingress and egress to new construction. The extent of transitions to be as shown on plans.

8. Any survey monuments disturbed shall be replaced and adjusted per Salt Lake County Surveyors requirements.

9. All privacy walls, new or existing, are only shown on civil plans for the purpose of reviewing grading relationships; flood control and sight distance at intersections. All walls shall have a minimum 2 ft x 2 ft x 30 inch deep spot footings. Bottom of all footings on all walls shall be a minimum of 30 inches below finished grade. Walls greater than 6 feet require a separate permit and inspection by the Building Department.

10. All construction materials per APWA must be submitted and approved by the City Engineer prior to the placement of asphalt within City Right of Way.

11. Request for inspection by the City of South Jordan engineering dept. shall be made by the contractor at least 48 hours before the inspection services will be required.

12. Work in public way, once begun, shall be prosecuted to completion without delay as to provide minimum inconvenience to adjacent property owners and to the traveling public.

13. The contractor shall take all necessary and proper precautions to protect adjacent properties from any and all damage that may occur from storm water runoff and/or deposition of debris resulting from any and all work in connection with construction.

14. Power poles and/or other existing facilities not in proper location based on proposed improvements shown hereon will be relocated at no expense to the City of South Jordan. Power lines and all other aerial utilities are to be buried and poles removed as determined by the City Engineer.

15. Curb and gutter with a grade of less than four-tenths of one percent shall be constructed by forming. Each joint shall be checked for a grade prior to construction and water tested as soon as possible after construction.

16. Contractor to follow Salt Lake County Noise Ordinance Standards.

17. Contractors are responsible for all OSHA requirements on the project site.

18. Trench backfill material under pavements or surface improvements shall be clean, non-clumping, granular and flowable (2" minus A1-A4 soils are acceptable according to AASHTO 145 soil Classification System). Lime treated flowable fills, if approved, shall have a 28-day strength of 65 PSI.

19. A UPDES (Utah Pollutant Discharge Elimination System) permit is required for all construction activities as per state law as well as providing a Storm Water Pollution Prevention Plan to the City.

20. Developer is responsible for locating and repairing all underground streetlight wires, water lines, storm drain lines and irrigation lines until 90% of the bond has been released.

21. All City maintained utilities including; waterline, fire hydrants, streetlight wiring, and storm drain must be in public right of way or in recorded easements.

22. Contractor shall work South Jordan City regular working hours of Monday through Friday. If Contractor permits overtime work or work on a Saturday, Sunday or any legal holiday, Contractor shall receive prior approval by City Engineer. Contractor shall obtain all permits and pay Overtime Inspection Fee's to The City of South Jordan on the Thursday prior to the Saturday, Sunday or legal holiday requested.

23. Prior to 90% bond release, a legible as-built drawing must be submitted to the City of South Jordan stamped and signed by a professional engineer. As-builts must show all changes and actual field locations of storm drainage, waterlines, irrigation, street lighting, and power. As-builts will be held to the same standard as approved design drawings, no "redlined plans" allowed. In the absence of changes, copies of the approved drawings will be required stating "installed as per drawings". As-built drawings for new developments shall be submitted to the City in the following formats and quantities prior to the 90% bond release: 1 .dxf copy, 1 .pdf copy.

24. Filter fabric wrapped around an inlet grate is not an acceptable inlet sediment barrier. See Chapter 9 of South Jordan City Construction Standards and Specifications for details of approved storm water BMPs.

25. Asphalt paving between October 15 and April 15 is not allowed without a written exception from the Engineering Department.

1.2 City of South Jordan Traffic Notes

1. When a designated "Safe Route To School" is encroached upon by a construction work zone the safe route shall be maintained in a manner acceptable to South Jordan City and the Jordan School District.

2. If the improvements necessitate the obliteration, temporary obstruction, temporary removal or relocation of any existing traffic pavement marking, such pavement marking shall be restored or replaced with like materials to the satisfaction of the City Engineer, Public Works Director or designee.

3. The street Sign Contractor shall obtain street names and block numbering from the Planning Department prior to construction.

4. The Contractor shall be responsible for providing and installing all permanent signs shown on the plans. Street name signs shall conform in their entirety to current City Standards. All other signs shall be standard size unless otherwise specified on the plans. All sign posts shall be installed in accordance with the current City Standards.

5. All permanent traffic control devices called for hereon shall be in place and in final position prior to allowing any public traffic onto the portions of the road(s) being improved hereunder, regardless of the status of completion of paving or other off-site improvements called for per approved construction drawings unless approved by the City Engineer.

6. The Contractor shall be responsible for notifying Utah Transit Authority (UTA) if the construction interrupts or relocates a bus stop or has an adverse effect on bus service on that street to arrange for temporary relocation of stop.

7. Before any work is started in the right-of-way, the contractor shall install all advance warning signs for the construction zone. The contractor shall install temporary stop signs at all new street encroachments into existing public streets. All construction signing, barricading, and traffic delineation shall conform to the Manual of Uniform Traffic Control Devices (MUTCD) per the current edition adopted by UDOT and be approved by the City of South Jordan before construction begins.

8. All signs larger than 36" X 36" or 1296 square inches per sign pole shall be mounted on a Slip Base system per UDOT standard drawing SN 10B (detail drawing attached to standard drawings) with a "Z" bar backing. Signs of this size are not allowed to be mounted on a yielding pole.

9. Sign components such as sheeting, EC film, inks, letters and borders are all required to be from the same manufacturer. Only EC film may be used to achieve color. Vinyl EC film is not accepted.

10. All new roundabouts, crosswalks, stop bars and legends shall be installed with 90mil preformed thermo plastic.

11. Paving asphalt binder grade shall be PG 64-22 unless otherwise approved by the City Engineer.

1.3 City of South Jordan Street Light Notes

1. All work shall be installed in accordance with the most current South Jordan City Standards and N.E.C. (National Electric Code). A street light plan showing wiring location, wiring type, voltage, power source location, conduit size and location shall be submitted to the City of South Jordan and be approved prior to construction. No deviation of streetlight, pull boxes, conduits, etc. locations shall be permitted without prior WRITTEN APPROVAL from the City Engineer or his/her representative.

2. Location of the Street light pole.
a. Shall not be installed within 5 feet of a fire hydrant. The location shall be such that it does not hinder the operation of the fire hydrant and water line operation valves.
b. Shall be a minimum of 5 feet from any tree, unless written approval is received from the City Engineer. Branches may need to be pruned as determined by the Engineering Inspector in the field at the time of installation.
c. Shall not be installed within 5 feet from the edge of any driveway.

3. Anti-seize lubricant shall be used on all cover bolts and ground box bolts.

4. All existing street lighting shall remain operational during construction.

5. Any structure such as block walls, chain link fences, retaining walls, etc. shall leave a minimum of eighteen (18) inches to the face of the street light pole on all sides.

6. All service point(s) shall be coordinated with Rocky Mountain Power and whenever possible be located near the center of the circuit. Service point(s) shall be shown on the plans with a schematic from Rocky Mountain Power. Pole locations as shown on the approved plans may be adjusted in the field by the Engineering Inspector at time of installation at no additional cost to the City.

7. It shall be required that in the absence of an existing workable circuit to attach to, that all installations shall require a new service for operation of the circuits in this case developer and or his engineer shall contact Rocky Mountain Power.

8. Wherever there is an overhead utility that may conflict with the installation of the street light circuits and/or streetlight poles, those conflicts must be resolved between the developer and the utilities involved before the street light bases are constructed at no expense to the City of South Jordan or Rocky Mountain Power. The resolution must be approved by the City of South Jordan and Rocky Mountain Power.

9. The contractor shall furnish a complete service to the transformers and control systems if required on the plans and/or is deemed necessary by Rocky Mountain Power and/or South Jordan City.

10. A street light plan showing wiring location, wiring type, voltage, power source location, conduit size and location shall be submitted to the City of South Jordan and be approved prior to construction.

11. The contractor shall be required to perform a 10 day burn test of the street lights after they are connected and energized by Rocky Mountain Power. This test shall be coordinated and witnessed by a South Jordan Engineering Inspector.

12. Each streetlight shall have its own photo cell independent of a master control.

1.4 City of South Jordan Grading Notes

1. In the event that any unforeseen conditions not covered by these notes are encountered during grading operations, the Owner and City Engineer shall be immediately notified for direction.

2. It shall be the responsibility of the Contractor to perform all necessary cuts and fills within the limits of this project and the related off-site work, so as to generate the desired subgrade, finish grades and slopes shown.

3. Contractor shall take full responsibility for all excavation. Adequate shoring shall be designed and provided by the Contractor to prevent undermining of any adjacent features or facilities and/or caving of the excavation.

4. The Contractor is warned that an earthwork balance was not necessarily the intent of this project. Any additional material required or leftover material following earthwork operations becomes the responsibility of the Contractor.

5. Contractor shall grade to the lines and elevations shown on the plans within the following horizontal and vertical tolerances and degrees of compaction, in the areas indicated:
Horizontal Vertical Compaction
a. Pavement Area Subgrade 0.1'+ +0.0' to -0.1' See soils Report
b. Engineered Fill 0.5'+ +0.1' to -0.1' See Soils Report Compaction Testing will be performed by the developer or his representative.

6. All cut and fill slopes shall be protected until effective erosion control has been established.

7. The use of potable water without a special permit for building or construction purposes including consolidation of backfill or dust control is prohibited. The Contractor shall obtain all necessary permits for construction water from the Public Works Department.

8. The Contractor shall maintain the streets, sidewalks and all other public right-ofway in a clean, safe and usable condition. All spills of soil, rock or construction debris shall be promptly removed from the publicly owned property during construction and upon completion of the project. All adjacent property, private or public shall be maintained in a clean, safe and usable condition.

9. In the event that any temporary construction items is required that is not shown on these drawings, the Developer agrees to provide and install such item at his own expense and at the direction of the City Engineer. Temporary construction includes ditches, berms, road signs and barricades, etc.

10. All grading work shall conform to the soils report as prepared by the Soils Engineer and approved by the City Engineer, and as shown on these plans.

1.5 City of South Jordan Fire Department Notes

1. On any new home or building installation, accessible fire hydrants shall be installed before combustible construction commences and said fire hydrants shall be in good working order with an adequate water supply.

2. Contractor shall call the Public Works Department and Engineering Inspector for underground inspection, pressure and flush verification of all fire hydrants and fire lines before back filling.

3. Painting of the curbs and hydrant and any work necessary for protection of hydrants from physical damage shall be approved before being constructed.

4. A flow test must be witnessed by the Fire Department prior to occupancy for verification of required on-site water supply.

5. All on-site fire main materials must be U.L. listed and A.W.W.A. approved.

6. The turning radius for any fire apparatus access road and/or fire lane, public or private, shall be not less than forty-five feet (45') outside radius and twenty-two feet (22') inside radius and shall be paved.

7. A fire apparatus road shall be required when any portion of an exterior wall of the first story is located more than one-hundred fifty feet (150') from Fire Department vehicle access roads and/or fire lanes, public or private, in excess of onehundred fifty feet (150') in length shall be provided with an approved turn around area.

8. Access roads shall be marked by placing approved signs at the start of the designated fire lane, one sign at the end of the fire lane and width signs at intervals of one-hundred feet (100') along all designated fire lanes. Signs to be placed on both sides of an access roadway if needed to prevent parking on either side. Signs shall be installed at least 5', measured from the bottom edge of the sign to the near edge of pavement. Where parking or pedestrian movements occur, the clearance to the bottom of the sign shall be at least 7'. The curb along or on the pavement or cement if curb is not present, shall be painted with red weather resistant paint in addition to the signs.

9. Electrically controlled access gates shall be provided with an approved emergency vehicle detector/receiver system. Said system shall be installed in accordance with the South Jordan City F.D. Approval. Gates are only allowed with prior Approval.

10. All underground fire lines that service automatic fire sprinkler systems shall be no smaller than six (6) inches in diameter. All fire lines material shall be Ductile Iron. (Ductile Iron from the PIV to the building shall be permitted or Ductile Iron from the main water line to the WIV).

11. Post Indicator Valves (PIV) shall be between 6 and 40 feet from buildings not exceeding three stories or equivalent in height and between 30 and 40 feet on buildings in excess of three or more stories in height or equivalent.

12. Roads and accesses shall be designed and maintained to support the imposed loads of fire apparatus. Surface shall be paved before the application of combustible material.

1.6 South Jordan City Water Notes

1. The following South Jordan City Water Notes are intended for general water standards only and are not all inclusive. The City has included the Culinary Water Design and Construction Standards within the City Construction Standards and Specifications.

2. No work shall begin until the water plans have been released for construction by the Engineering Department. Following water plan approval, forty-eight (48) hour notice shall be given to the Engineering Inspector and the Public Works Department (253- 5230) prior to the start of construction. Notice must be given by 2:00 P.M. the business day prior to an inspection.

3. All work within South Jordan City shall conform to South Jordan City Standards and Specifications, AWWA and APWA.

4. For Residential Developments - The developer shall purchase and install meter boxes and setters according to City Standards on newly developed lots and real property at the time of water main installation. Water meters will be supplied and installed by South Jordan Public Works Department (at Developer's expense). The developer shall also provide the site address, lot number, meter size and pay meter fees prior to building permit approval.

5. For Commercial and Condominium Developments - The developer shall purchase and install water meters, meter boxes and setters according to City Standards. Water meters will be supplied by South Jordan Public Works Department (at Developer's expense) and installed by Developer.

6. All water facilities shall be filled, disinfected, pressure tested, flushed, filled and an acceptable water sample obtained prior to commissioning the new water line to the South Jordan City Culinary Water Distribution System.

7. South Jordan Public Works Department must approve water shut down which may require evening and weekend shut down as deemed necessary, requiring the contractor to be billed for overtime. 48 hour notice is required.

8. Water stub-out installations will not be construed as a commitment for water service.

9. Conditional Approval of Valved Outlet (6" and Larger):
In the event the water plans show one or more valved outlets extending out of paved areas, installations of these outlets is acceptable, however, if the outlets are incorrectly located or not used for any reason when the property is developed, the developer shall abandon the outlets at the connection to the active main in accordance with the city standards and at the developer's expense.

10. All lines to be pressure tested according to South Jordan City and AWWA standards and chlorinated prior to use and final acceptance.

11. All fittings to be coated with poly fm grease and wrapped with 8-mil thick polyethylene.

12. No other utility lines may be placed in the same trench with water line unless approved by the City Engineer.

13. Any conflict with existing utilities shall be immediately called to the attention of the City Engineer or designee.

14. All water vaults will be constructed per City of South Jordan standard drawings and specifications. No vaults are allowed in traffic areas without prior approval of the City.

15. Landscaping and irrigation adjacent to vaults shall drain away from vaults.

16. Once the waterline has been tested, approved and city water is flowing through the pipe, only City personnel are authorized to shut down and charge the waterline.

17. Megalug following ring or an approved equivalent shall be used on all fittings.

18. APWA plan 562, City requires stainless steel tie-down restraints with turnbuckles only. 5/8" rebar is not acceptable. Megalug followers required on all fittings and all dimensions of thrust blocking still apply. Thrust blocks may be eliminated if horizontal tie down restraints have been pre-engineered and receive prior City approval.

(Updated 3/24/10)

All construction of public improvements shall conform to the most current edition of the APWA Manual of Standard Specifications, Manual Standard Plans and the South Jordan City Construction Standards and Specifications. The contractor is responsible to have a copy of these specifications. The order of precedence in case of conflict shall be (1) South Jordan City Construction Standards and Specifications (2) APWA (3) The approved Construction drawings.

Any changes from the final approved set of plans must be revised by the design engineer with stamp and signature and submitted to the South Jordan City Engineering Department for approval.

1. CULINARY WATER

A. Pipe type:
The Contractor must use Blue C-900 PVC -DR18 with tracer wire and caution tape (all wire connections need a moisture resistant nut). All trench backfill needs to be between and A-1-a and A-4 soil under the AASHTO Soil Classification System, and pass compaction test's of at least 96% in R.O.W. The pipe needs to be bedded with sand from 6" under the pipe to 18" above top of pipe.

B. Joints:
Cast iron mechanical joints. Megalug following ring or an approved equivalent shall be used on all fittings. Coat nuts and bolts with poly F.M. grease and wrap with 8-millimeter thick poly. Any MJ joints must have the bevel removed from the spicket end before being installed into MJ fitting.

C. Fire Hydrants:
Mueller Centurion A-423 or Clow Medallion hydrants only.
The Buryline must be even with top back of curb (TBC). Coat and wrap with poly and grease bolts, do the same to the auxiliary valve. An 18"spool must be placed between hydrant and auxiliary valve. Snake the pipe using mj. X fl. tee to place the fire hydrant in the center of the parkstrip. Turn the hydrant to face the street and plumb in all directions to make sure it is level. Pour large thrust block to insure stability. Make sure thrust block is poured squarely against native soil, i.e. do not make it bullet shaped or angled. Hydrant base and auxiliary valve box must be placed in 4'x 5'by 6"thick concrete pad, level with the sidewalk. Place expansion material between TBC and the sidewalk. All hydrants must have a Gravel Drain to allow proper drainage. Any hydrants installed in a P.U.D. must be mega lugged.

D. Blow Off:
All water line blow offs will require 2 water valve boxes, one for water valve and one for blow off riser. Riser shall be threaded, with a thread protector cap and placed 6" below finish grade.

E. Chlorine Test:
To be checked by the South Jordan City Water Department.
Must notify water department @ (253-5230) and set up a work order 48 hours prior to filling line.
Chlorine flushing discharge for testing needs to be regulated by diffuser or City approved equivalent.

F. Bacteria Test:
Bacteria test will be done by South Jordan City Water Department after the chlorine tests have passed and Contractor has flushed all lines.

G. Pressure Test:
Waterline must be pressure tested prior to tapping services at 200 pounds per square inch (P.S.I.) and must be maintained for 2 hours minimum and witnessed by the South Jordan City Water Department.

H. Service Boxes:
Service Boxes shall be HDPE (preferably white). Use INSTA-TITE Mueller parts.
-18" diameter box for 3/4" IPS (Iron Pipe Size) polyethylene (PE) blue pipe service.
-24" diameter box for 1" IPS (Iron Pipe Size) polyethylene (PE) blue pipe service.
-36" diameter box for 1-1/2" or 2" CTS (Copper Tube Size) polyethylene (PE) blue pipe service.
-APWA approved vault is needed for any water meters over 2".
All Polyethylene must be beveled with a manufacturer's beveling tool.
Make sure corp stop is turned on. Laterals must be compacted to 1' behind sidewalk.

I. Mainline:
Mainline must be buried to a minimum of 48" below finish grade; this will keep the pipe from freezing. Maximum of 5-foot depth for maintenance accessibility.

J. Brass Marker:
To be placed on the front curb, marked with a "W" for water to be stamped and installed by the contractor.

K. Compaction Tests:
All laterals - water, sewer, storm drain etc. will be tested for compaction by the developer and the results given to the Engineering Inspector with a minimum 96% modified proctor.

L. Valves:
All valves must be accessible with a standard 6' valve key, regardless of design or design change, and need to be Mueller or Clow valves or approved equal (approval must be granted in writing before constructing).

M. Water Testing Fee
All flushing of culinary water such as but not limited to new development water system testing shall be assessed a fee and the cost of water used.

N. Commercial Water Meters
If the developer/contractor requests a change in meter size after the construction drawings have been approved by the City, the request must be submitted by licensed design engineer with stamp and signature. The culinary water main tap must be same size as meter size. A new tap off the main is required if tap size is not same as meter size.

O. Manhole lids
Water vault manhole lid specifications: ASTM A 48-93, Class 35B Cast iron construction, machined flat bearing surface, removable lid with pick holes, H-20 highway load rating; lid molded with South Jordan City name and logo imprinted on lid. Provide Model A-1180 manufactured by D&L Foundry & Supply, or acceptable equal.

2. SECONDARY IRRIGATION

A. Pipe type
Purple Pipe, C-900 PVC, DR-18 with tracer wire and caution tape (all wire connections need a moisture resistant nut).

B. Mainline:
Must be buried to a minimum of 36" below finish grade. Compaction of 96% using a modified proctor is required. The pipe needs to be bedded in sand from 6" under the pipe to 18" above top of pipe.

C. Location:
Install at front property line in the parkstrip.

D. Blow Off:
All water line blow offs will require 2 water valve boxes, one for water valve and one for blow off riser. Riser shall be threaded, with a thread protector cap and placed 6" below finish grade.

E. Air-Vac
Placed in standard 18 inch meter box with ball valve below air-vac.

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SOUTH JORDAN CITY

CITY ENGINEER DATE

MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: JTA
DATE: FEB. 2014
REV:
DWN BY: SKS
CKD BY: XXX
SOLICITATION NO:
SUBMITTED BY:
CONTRACT NO: 00348
FILE NAME: N:\00182 Daybreak\Cadd\P\Sego 6\02 GN01
SIZE: ANSI D
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DAYBREAK
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GENERAL NOTES

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02
OF 09 SHEETS
DRAWING NAME
GN01

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C. Location:
Install at front property line in the parkstrip.

D. Blow Off:
All water line blow offs will require 2 water valve boxes, one for water valve and one for blow off riser. Riser shall be threaded, with a thread protector cap and placed 6" below finish grade.

E. Air–Vac
Placed in standard 18 inch meter box with ball valve below air–vac.

F. Brass Marker:
Placed in front curb, marked with an "I" for irrigation are to be stamped and installed by the Contractor.

G. Pressure Test:
35 pounds per square inch (P.S.I.) air tested, must be maintained for a minimum of 2 hours, and witnessed by South Jordan City Water Department. If water is being used, follow hydrostatic testing standards and notify South Jordan City Water Department 48 hours in advance

H. Valves.
All valves must be accessible with a standard 6' valve key, regardless of design or design change, and need to be Mueller type valve.

* Thrust Blocks (Culinary & Secondary lines)
Before pouring any thrust blocks, contractor shall give engineering inspector 24 hour prior notice.

3. STORM DRAIN

A. Pipe type
Shall be minimum 18"RCP Class III or HDPE in all Public R–O–W. Private systems can use HDPE pipe.

B. Backfill (RCP):
A City specified material (A–1–a to A–2–7 under AASHTO Soil Classification system) will be used for trench backfill. Place 1" minus gravel 6 inches under pipe and up to spring line (no squeegee or chips). Tamp underneath the haunches to prevent settlement. Compaction of 96% modified proctor is required.

C. Backfill (HDPE):
Backfill in the trench zone shall meet the requirements of AASHTO M145 A–1–a to A–2–7 and be a 2" maximum granular material. Stable and uniform bedding shall be provided for the pipe. The middle of the bedding equal to 1/3rd of the pipe O.D. may be loosely placed, while the remainder shall be compacted to a minimum 96% of maximum density (Modified Proctor). A minimum of 4" of ¾" minus gravel shall be provided prior to placement of the pipe, unless an unyielding material (rock cuts) is present in the trench bottom, then a 6" cushion of bedding is recommended. Bedding shall be placed in layers of 8" loose lift thickness and brought up evenly and simultaneously on both sides of the pipe to an elevation not less than one foot (1') above the top of the pipe. Backfill shall be compacted to a minimum compaction level of 96% Density (Modified Proctor)..

D. Boxes:
Grout Boxes inside and out, and strip the forms from inside and outside of the boxes. Clean all dirt, rocks and debris from inside of the boxes. If using a pre–cast box, make sure to form a 6" collar around the outside of box with soil below pipe dug down and formed, and poured with concrete to engineering inspectors discretion. Before pouring concrete collar, contractor shall give engineering inspector 24 hour prior notice.

Inlet boxes must be a standard 48" grates (APWA plan #309). Hooded grates are not allowed due to debris accumulating in the storm drain.

E. Manholes:
Keep the Manhole collar and cover down ¼" minimum and ½" maximum below finish asphalt grade. This will allow snowplows to pass over the top without hitting or damaging them, in the winter months.

F. Manhole lids:
Storm Drain manhole lid specifications: ASTM A 48–93, Class 35B Cast iron construction, machined flat bearing surface, removable lid with pick holes, H–20 highway load rating; lid molded with South Jordan City name and logo imprinted on lid; Provide Model A–1180 manufactured by D & L Foundry & Supply, or acceptable equal.

G. Storm Drain Inspection
All storm drain lines must be inspected via video or television camera after road base has been placed and before asphalt is laid. HDPE and RCP lines will be re–inspected via video or television camera prior to final bond release. All storm drain infrastructure shall be cleaned by Developer prior to City performing the work. Any damaged pipe sections shall be repaired or replaced before final bond release.

H. Storm Drain Markers
Developments must provide theft–resistant permanent installation of a City–approved storm drain marker at each storm water inlet. The marker item number is SD–SP, a Stainless Steel, painted blue, matte finish, embossed, fish symbol, optional seralization, 30 year warranty, with ¼" square hole made by Almetek Industries, Inc. Installation requires Drive Rivet and approved adhesive. Installation requires drive rivet and approved adhesive. Lettering on the marker as appropriately follows:

"Only Rain in the Drain" markers installed anywhere storm water discharges to a retention or detention pond. (See standard drawings for detail.)

I. UPDES
A UPDES (Utah Pollutant Discharge Elimination System) permit is required for all construction activities 1 acre or more.

J. Utilities
All utilities including gas, phone, and cable in roadways must be installed prior to pavement construction.

4. CONCRETE

A. Curb:
High back Curb will only be allowed! If slip forming, an expansion joint is required every 300 feet and at point of curvature (PC) and point of tangency (PT). If hand forming, expansion is required at PC and PT, and every 100'. Expansion joints are required every 30' to 40' on a curve. Road base under the curb and gutter must be at least 8" thick and compacted to 96% of maximum density. A 6.5 bag mix will be used along with a coating of white pigment curing compound. A 7.5 bag mix must be used (at engineering inspectors discretion), when nighttime temperatures start to approach freezing. At the handicap ramp where it butts up against the road, there will be a 6' portion of no lip and a 6' wing from the no lip to match the high back curb elevation. There will be no ponding allowed. Before placement of asphalt, a flow test must be performed at engineering inspectors discretion. Sections that do not flow, or where ponding occurs, will be removed and replaced

On all Construction sites contractor must notify engineering inspector 24 hours prior to pouring any concrete and verify proper location..

B. Sidewalk
Compact subgrade to 96% of maximum density. 6" of base, compacted to 96% of maximum density is required. Concrete thickness will be 5". Sidewalk will be scored to depth of between ½" to ¾" deep every 6' for a 6' wide sidewalk, or score lines shall be placed at intervals equal to the width of the sidewalk. An expansion joint will be placed in the sidewalk at 40–foot intervals. If sidewalk boarders curb it must comply with handicap standards of 1 foot to 12 feet maximum fall on all approaches and handicap accesses. All handicap ramps require an ADA approved truncated dome insert. These shall be 4' x 2' and dark grey in color.

5. STREETS

A. The South Jordan City Construction Standards and Specifications provide a comprehensive set of design procedures based on the recommendations found in the 1993 version of the "AASHTO Guide for Design of Pavement Structures" and on recommendations found in the November 1998 version of the "UDOT Pavement Design Manual". All roads in the City, as determined by the City Engineer, must be designed using these empirical methods.

B. The design professional shall perform an adequate design for the pavement section and affix their stamp and signature indicating they have performed the design in accordance with City standards, and it is adequate to provide the intended service life. Assumptions and studies used in the design parameters are the sole responsibility of the design professional preparing the pavement design.

The pavement section shall follow the construction drawings approved by the City Engineer, and the South Jordan City Construction Standards and Specifications. Paving asphalt binder grade shall be PG 64–22 unless otherwise approved by the City Engineer.

The following values are the City of South Jordan's minimum thicknesses for surface and base layers. These values are not a substitute for a professionally prepared roadway structural section design but are used as a starting point in the design process.

Table 7.3: Asphalt Concrete Pavement Minimum Structural Section (taken from Construction Standards and Specifications)

Subgrade Class	Pavement Section	Roadway Classification	
		Local	Minor Collector
Very Poor (CBR<3)	Asphalt Concrete Surface	3.5"	4"
	Untreated Base Course	10"	8"
	Granular Backfill Borrow	*	12"
	Non-Woven Geotextile Required	Yes	No
Poor (CBR 4-9)	Asphalt Concrete Surface	3"	4"
	Untreated Base Course	9"	14"
	Granular Backfill Borrow	*	*
	Non-Woven Geotextile Required	Yes (if CBR is 4 or less)	Yes (if CBR is 4 or less)
Medium (CBR 10 or more)	Asphalt Concrete Surface	3"	4"
	Untreated Base Course	8"	10"
	Granular Backfill Borrow	*	*
	Non-Woven Geotextile Required	No	No

*Additional depth may be needed if the subgrade has a high frost hazard potential.

C. TESTING OF MATERIALS
A deflection test must be performed on the subgrade before geotextile or base material is placed. Any soft or pumping areas must be removed and replaced with granular borrow at the City Engineer's judgment. Density tests of the subbase and asphalt material must be performed in accordance with APWA specifications. Final proof roll of road base must be performed by Developer and witnessed by Developer's Geotechnical Engineering Consultant and City Inspector. Developer's Geotechnical Engineer must analyze and recommend stabilization of any subbase material. Asphalt placement between October 15th and March 15th must have City Engineer's approval.

1. Asphalt Pavement Tolerances –
Reference Table 4 –Roughness Tolerance of Section 3.6 of Asphalt Paving 32 12 16 of the APWA 2007 Manual of Standard Specifications

6. PUNCH LIST ITEMS (STREETS DIVISION)

1. Sidewalks and Curb & Gutter shall be replaced if there is more than a ½ inch settlement or heave in a 4 inch section.

2. Sections with Concrete Spalding shall be replaced. Sections shall be replaced from cold joint to cold joint

3. Sections with Concrete Chips more than ½ inch deep and 3 inches across shall be replaced as follows:

a. 0 – ½ inch deep and 0 – 3 inches across use seca flex 123
b. 3 or more chips shall be replaced. The entire section from cold joint to cold joint shall be replaced.

4. Cracks in concrete other than brake lines shall be replaced.

5. Trip Hazards:

a. More than ¼ inch vertical hazard shall be replaced.
b. ¼ inch expansion joint vertical hazard shall be cut down.

6. Wheel Chair Ramps

a. Brake lines shall be no more than 4 feet apart (lateral and longitude).
b. Truncated domes must be installed to meet ADA and/or South Jordan City Standard Specifications.
c. The maximum gap between the ramp and sidewalk and curb & gutter shall be no larger than ½ inch.

7. Concrete rings around manholes and valves shall be ½ inch below the final asphalt elevation.

8. All sidewalks and Curb & Gutter shall be completely backfilled to within 3 inches of the Top Back of Curb (TBC) and within 3 inches of the top of sidewalk.

9. Concrete and asphalt must make a complete marriage per APWA specifications.

10. Storm Drains:

a. All debris, including framing, shall be cleaned out in storm drains and manholes.
b. All grouping of storm drains and manholes shall make a complete marriage.
c. All lids and grates shall be easily removed.

11. Asphalt:

a. Marriages of asphalt shall be vertical, with complete marriage and with no gaps. Marriage will be cracked sealed and not be more that 1/2 inch higher than existing asphalt and/or concrete.

12. Pot Holes:

a. Any potholes and cracks shall be cut out to the satisfaction and discretion of the Operations Director and City Engineer or their designee and patched and crack sealed.

13. Any damage caused by any machinery or equipment shall be repaired or replaced to the satisfaction of the Operations Director and City Engineer or their designee.

7. STREET SIGNS
The City of South Jordan Engineering Department approves placement and design of all signs. Developer is responsible for installation of his own signs. Sign components such as sheeting, EC film, letters and boarders are all required to be from the same manufacturer and must follow South Jordan City standards. Blades to be 9" x 36" with 6" upper case lettering for a name, and 3" lettering for coordinate. All signs larger than 36" x 36" or 1296 square inches per sign pole shall be mounted on a slip base system per UDOT standard drawing SN 10B with a "Z" bar backing.

8. PARKSTRIPS (Collector Streets Only)
The City of South Jordan Parks Department approves installation and acceptance of all parkstrips. Before installation, the Developer/Contractor must submit irrigation plans and parkstrip improvements to the city engineering department. A 90% inspection will be performed when all work is completed, and a Final inspection will be required when the 1–year maintenance/guarantee period is complete. 90% and 100% Inspections for punch lists from October 15 –April 15 may be dependant upon weather.

9. FENCING
Collector street fencing must meet the current city ordinances and if fence exceeds 6' developer/contractor shall obtain SJC building permit. If wrought iron is used, spacing of steel pickets must be 4" on center. Cross section must be shown on engineering plans.

10. DUST CONTROL/ CLEAN PAVEMENT
Water truck must be on site if necessary, to prevent excess dust from blowing. It is the developer's responsibility to control any dust that has been introduced from grubbing/construction. Do not grub an area, if you cannot control the dust.
Keep excessive mud/ dirt off the roads. Contractor is responsible for cleaning any Public Roads, which have become dirty from vehicles, entering and leaving construction site.

11. CLEAR ZONE
A 30' snow zone must be allowed for at the end of all cul–de–sacs. No approaches, mailboxes, fire hydrants or transformers will be allowed. Streetlights can be placed in the clear zone.

12. PROPERTY MARKERS
Before any excavation is started for building foundations, all property corners must be surveyed and marked. For commercial developments, contact City Engineering Department prior to any construction of onsite curbing and building foundations to verify setback compliance.

13. BOND RELEASES
All bond release requests must be submitted in writing to the City of South Jordan Engineering Department. Upon completion of each major improvement category (i.e.Water system, Road Work, Storm Drainage, etc.) the Developer may request the City to release 90% of the money from the Account. A 1– year warranty period will start once all improvements and pre–final punch lists have been completed. At the end of the warranty period there will be a final punch list that will have to be completed before the remaining 10% is released and the city accepts ownership of the improvements.

14. CONSTRUCTION SCHEDULE
The Contractor must provide the City of South Jordan Public Services Department with a Construction Schedule. This schedule will help the Engineering Inspectors inspect the various Construction phases, and to help insure that all requirements are being met. A traffic control plan must be submitted for approval before any work begins.

15. WORK HOURS
Contractor shall work South Jordan City's regular working hours of Monday through Friday 7:00 am to 4:00 pm. If Contractor permits overtime work or work on a Saturday, Sunday or any legal holiday, Contractor shall receive prior approval by City Engineer and pay The City of South Jordan Overtime Fees.
Fees: $61.17 an hour for Inspector
$53.00 a day for truck.
Fees shall be paid on the Thursday prior to Saturday, Sunday or legal holiday requested.
Minimum 4–hours / Maximum 10–hours

SOUTH VALLEY SEWER DISTRICT GENERAL NOTES

1. All sanitary sewer construction shall comply with South Valley Sewer District's Design Standards and Construction Specifications.

2. Contractor shall field verify locations and invert elevations of existing manholes and other utilities before staking or constructing any new sewer lines.

3. Four feet of cover will be required over all sewer lines.

Benchmark: Salt Lake County
Elevation: 4824.26'
Datum: Salt Lake County
Description: Monument at the intersection of Black Twig and Marjoram

LEGEND:

- EXIST. WATER CAP
- EXIST. COMBO AIR VALVE (CAV)
- EXISTING BLOW OFF VALVE
- EXIST. WATER VALVE
- EXIST. FIRE HYDRANT
- EXIST. WATER LINE AND LATERAL
- EXIST. WATER METER
- EXIST. IRRIGATION LINE
- PROPOSED IRRIGATION METER
- EXISTING SEWER M.H. TAG
- EXIST. SEWER CLEANOUT
- EXIST. 4'ø SEWER M.H.
- EXIST. 5'ø SEWER M.H.
- EXIST. 6'ø SEWER M.H.
- EXIST. SEWER LINE AND LATERAL
- STORM DRAIN BOX TAG
- EXISTING LOT DRAINAGE EASEMENT
- EXIST. CATCH BASIN
- EXIST. CLEANOUT BOX
- EXIST. COMBO. BOX
- EXIST. STORM DRAIN LINE
- EXIST. MAIL BOX PAD
- EXIST. SIGNAGE
- EXIST. STREET LIGHT
- EXIST. SIDEWALK
- EXIST. CURB & GUTTER
- EXIST. LOT LINE
- PROPOSED WATER CAP
- PROPOSED COMBO AIR VALVE (CAV)
- PROPOSED BLOW OFF VALVE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER LINE AND LATERAL
- PROPOSED WATER METER
- PROPOSED IRRIGATION LINE
- PROPOSED IRRIGATION METER
- PROPOSED SEWER M.H. TAG
- PROPOSED SEWER CLEANOUT
- PROPOSED 4'ø SEWER M.H.
- PROPOSED 5'ø SEWER M.H.
- PROPOSED 6'ø SEWER M.H.
- PROPOSED SEWER LINE AND LATERAL
- STORM DRAIN BOX TAG
- TYPICAL 5' LOT DRAINAGE EASEMENT
- PROPOSED CATCH BASIN
- PROPOSED ALLEY CATCH BASIN
- PROPOSED 5'ø CLEANOUT BOX
- PROPOSED 6'ø CLEANOUT BOX
- PROPOSED COMBO. BOX
- PROPOSED STORM DRAIN LINE
- PROPOSED ENERGY DISSIPATER
- PROPOSED RIP–RAP PAD
- PROPOSED SIGNAGE
- PROPOSED STREET LIGHT
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED LOT LINE
- PROPOSED ALLEY DIRECTIONAL ARROW (SYMBOL NOT TO BE PAINTED)
- PROPOSED FLARED END
- INSTALL HANDICAP RAMP PER APWA PLAN 235
- NON–TYPICAL SECTION TRANSITION AREA FOR SURFACE FLOW AROUND BUMPOUTS

NOTE: LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN PLAN SET.

ABBREVIATION :

APWA	AMERICAN PUBLIC WORKS ASSOC.
AC	ASPHALTIC CONCRETE
&	AND
APPR.	APPROXIMATELY
ARV	AIR RELEASE VALVE
@	AT
BDRY	BOUNDARY
BVC	BEGIN VERTICAL CURVE
BRG	BEARING
BW	BOTTOM OF WALL
CB	CATCH BASIN
CL OR ℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
C.O.B.	CLEANOUT BOX
CONC	CONCRETE
DT	DETAIL
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRICT
DWG	DRAWING
EA	EACH
EG	EXISTING GRADE
EP	EDGE OF PAVEMENT
EVC	END OF VERTICAL CURVE
ELEV	ELEVATION
ESMT	EASEMENT
EXIST.	EXISTING
EXP.	EXPIRATION
FF	FINISH FLOOR
FH	FIRE HYDRANT
FIN	FINISH
FL	FLOWLINE
FT	FEET
GB	GRADE BREAK
HP	HIGH POINT
HORIZ	HORIZONTAL
HYD	HYDRANT
ID	INSIDE DIAMETER
I.E.	INVERT ELEVATION
IRR	IRRIGATION
L	LENGTH
L.F.	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
OH	OVERHEAD
PC	POINT OF CURVATURE
P.E.	REGISTERED PROFESSIONAL ENGINEER
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
POC	POINT ON CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
PUD	PUBLIC UTILITY & DRAINAGE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REF	REFERENCE
R.O.W.	RIGHT–OF–WAY
SS	SANITARY SEWER
SD	STORM DRAIN
SW	SIDEWALK
SCH	SCHEDULE
SEC.	SECTION
S.F.	SQUARE FEET
SHT	SHEET
STA	STATION
STD	STANDARD
TBC	TOP BACK OF CURB
TEMP	TEMPORARY
THRU	THROUGH
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL
VAR	VARIES
VERT	VERTICAL
WATER	WATER
W/	WITH
WS	WATER SURFACE

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VC1 MF6
GENERAL NOTES

SHEET NUMBER
03
OF 09 SHEETS
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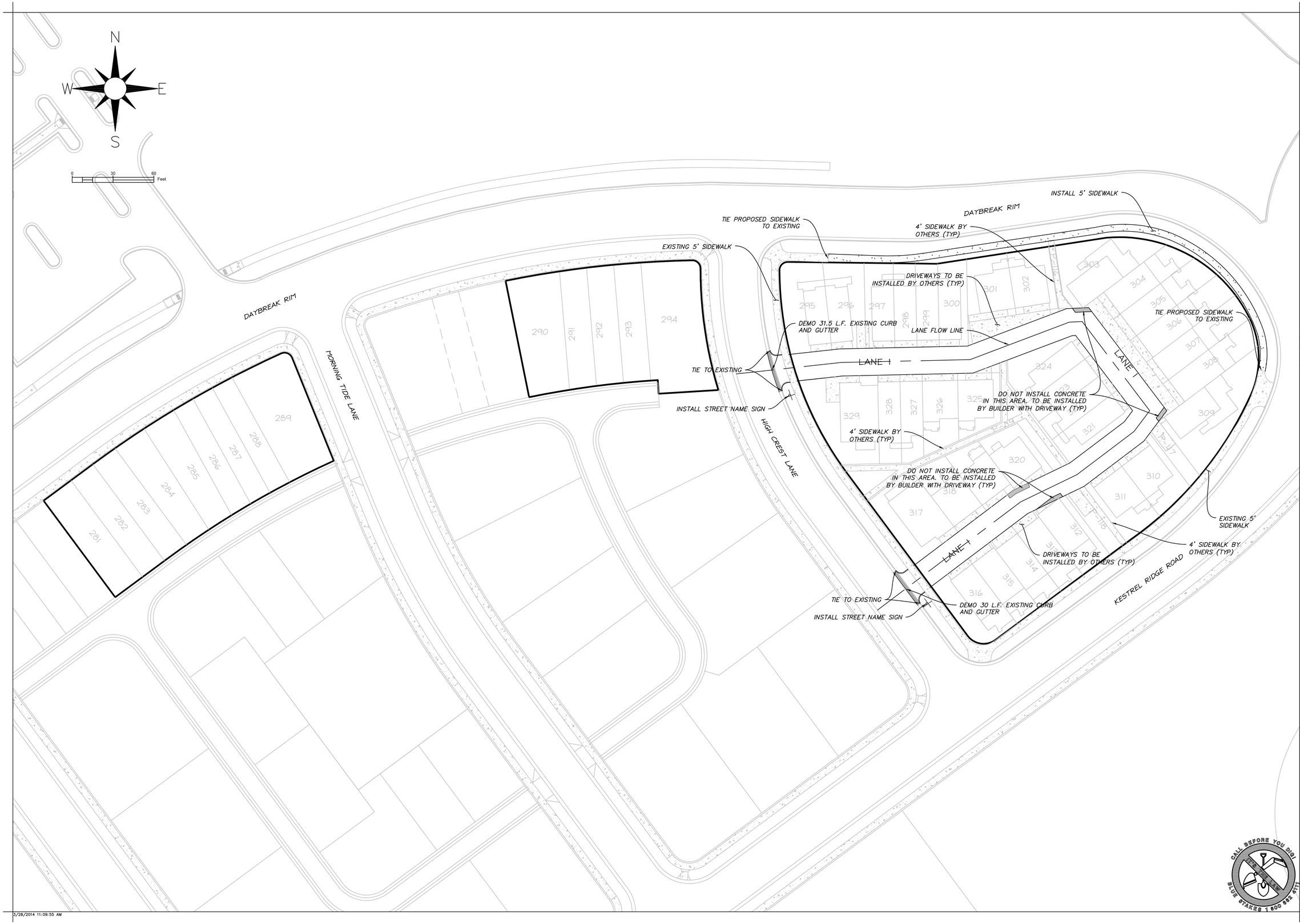

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SITE PLAN

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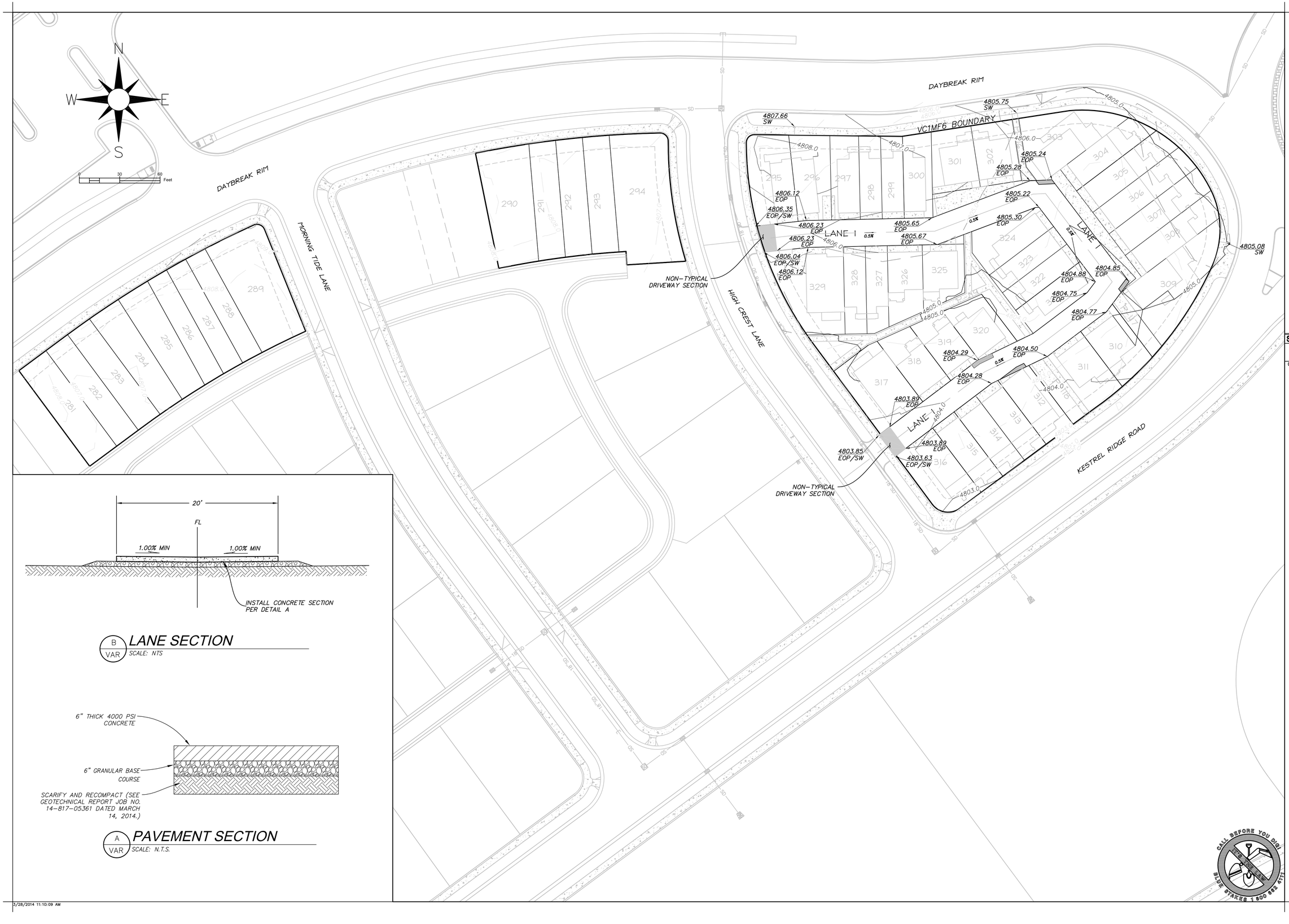

B VAR **LANE SECTION**
SCALE: NTS

A VAR **PAVEMENT SECTION**
SCALE: N.T.S.

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GRADING AND DRAINAGE PLAN

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GENERAL NOTES

1. ALL WATER LATERALS SHALL BE 3/4" LATERALS WITH 3/4" METERS PER SJC STANDARDS, UNLESS OTHERWISE SHOWN OR NOTED (SEE NOTE 6).
2. ONLY NON-TYPICAL METER LOCATIONS ARE SHOWN. ALL OTHER METERS TO BE INSTALLED PER SJC STANDARDS
3. SERVICE TAPS NEED TO HAVE A MINIMUM OF 3' SEPARATION
4. ALL SEWER LATERALS SHALL BE 4" UNLESS OTHERWISE NOTED
5. BACKFLOW PREVENTERS SHALL BE INSTALLED BY OTHERS ON ALL CULINARY WATER IRRIGATION CONNECTIONS PER SJC STANDARDS
6. INSTALL 1" LATERAL WITH ¾" METER ON LOTS 319-326
7. INSTALL ADDRESS TAGS ON WATER METERS ON ALL LOTS
8. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT PRIOR TO WORKING IN CITY ROW.

SEE UT02

DAYBREAK RIM

8" TEE WITH 4" REDUCER

C-900 4" WATER PIPE

INSTALL (2) 4" SLEEVES COORDINATE WITH OWNER FOR EXACT LOCATION

22.5° BEND

22.5° BEND

INSTALL 2" WASHOUT VALVE PER APWA PLAN NO. 571

DEMO AND REPLACE SIDEWALK, CURB AND GUTTER AS NEEDED. DEMO AND REPLACE ADA RAMP

1" IRRIGATION METER WITH 1" LATERAL

S6-A

S6-B

S6-C

S6-D

S6-E

LANE 1

HIGH CREST LANE

KESTREL RIDGE ROAD

REMOVE AND REPLACE EXISTING IMPROVEMENTS AS REQUIRED

INSTALL ¾" WATER METER AND LATERALS PER SJC STANDARDS. STUB 10' PAST R.O.W. FOR SIZE OF LATERAL, SEE GENERAL NOTES ON THIS SHEET.

ROAD CUT PER DETAIL DT01/SJC STD DWG #3010

INSTALL 5' CAST IN PLACE MANHOLE

FOR SEWER DESIGN SEE SHEET PP01

PRESERVE AND PROTECT EXISTING CURB. ADJUST WATER TAP LOCATION IF NEEDED

ABANDON EXISTING 8" WATER STUB PER SJC STANDARDS

ABANDON EXISTING SEWER LATERAL PER SVSD STANDARDS

N W E S

0 20 40 Feet

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UTILITY PLAN

SHEET NUMBER 06
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DRAWING NAME UT01

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GENERAL NOTES

1. INSTALL ADDRESS TAGS ON WATER METERS ON ALL LOTS

N
W E
S

0 20 40 Feet

DAYBREAK RIM

MORNING TIDE LANE

HIGH CREST LANE

SHARED 4" SS LATERAL LOTS 288 & 289

WATER LATERALS EXTENSION/REALIGNMENT BY OTHERS

REMOVE AND REPLACE EXISTING IMPROVEMENTS AS REQUIRED

BORE 1" WATER LATERAL

SHARED 4" SS LATERAL LOTS 285 & 286

SHARED 4" SS LATERAL LOTS 282 & 283

SHARED 4" SS LATERAL LOTS 291 & 292

EXISTING IRRIGATION POC

281 282 283 284 285 286 287 288 289 290 291 292 293 294

SEE UT01

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UTILITY PLAN

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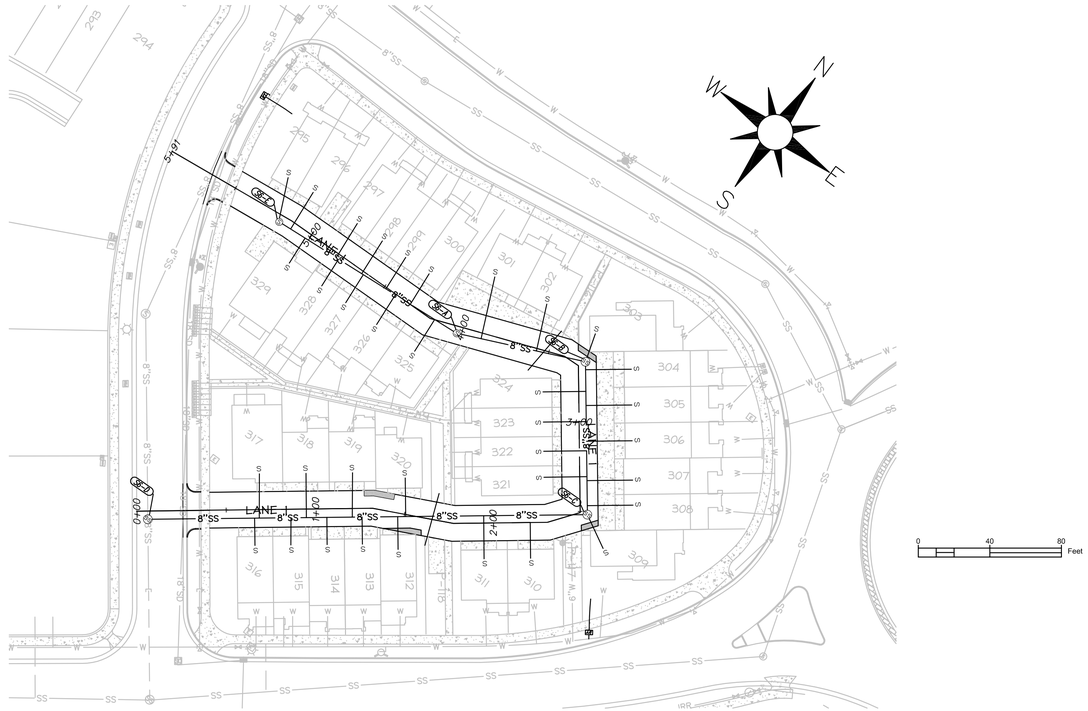
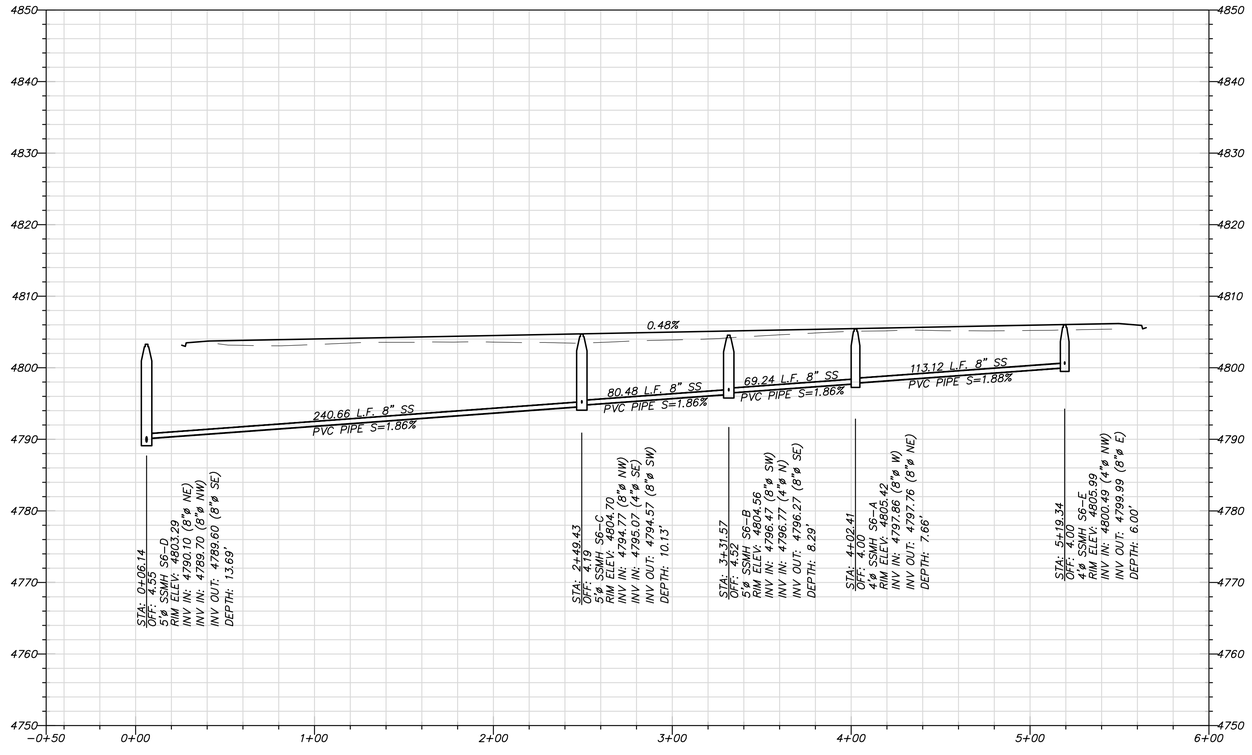


LANE 01 - SANITARY SEWER

STA: −0+50 TO 6+00



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PLAN AND PROFILE
LANE 01–SANITARY SEWER

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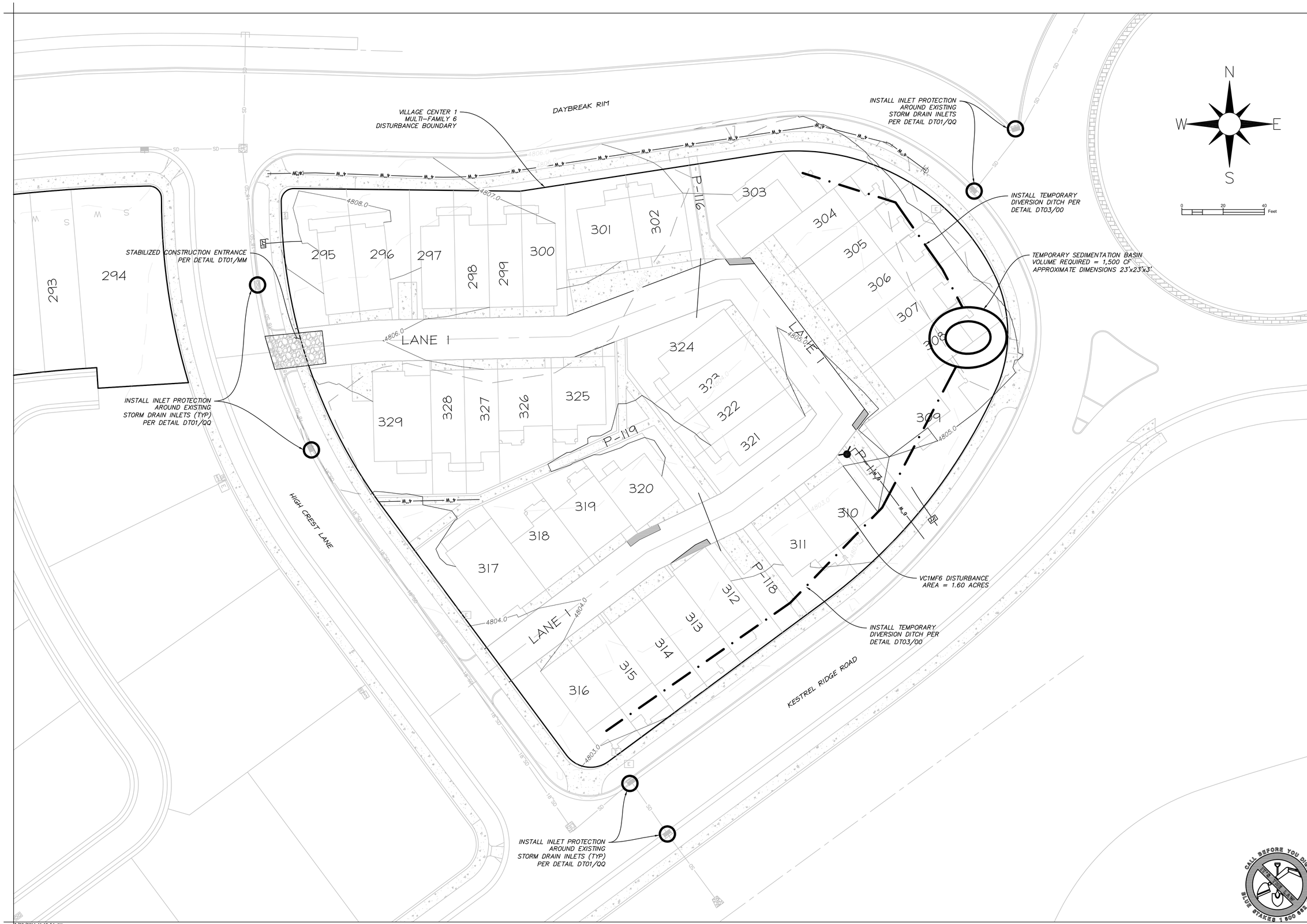

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DAYBREAK
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EROSION CONTROL PLAN

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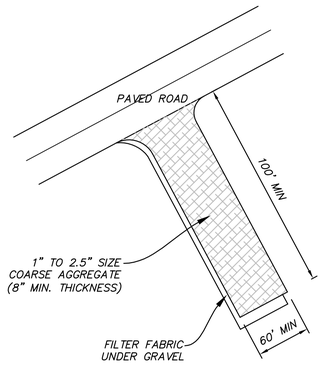
BLUE STAKES 1 800 662 4111

3/28/2014 11:10:54 AM



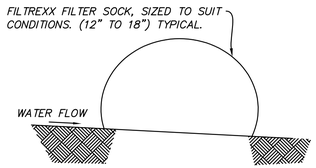
MM VAR

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
3. BERM WILL BE REGULARLY INSPECTED AND REPAIRED AS NECESSARY.
4. THE CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.
5. THE COMPOST FILTER BERM WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

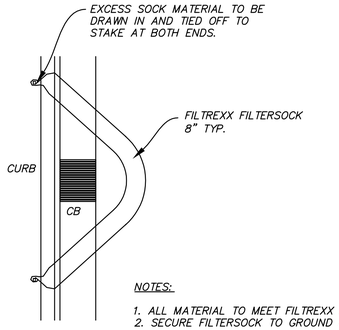


FILTER COMPOST MATERIAL AS PER SPECIFICATIONS.

NN VAR

FILTREXX SEDIMENT CONTROL DETAIL

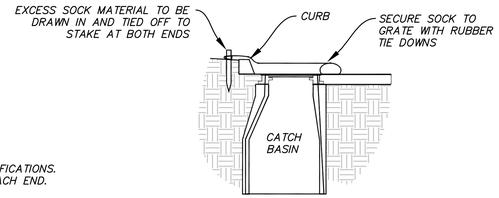
NOT TO SCALE



NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. SECURE FILTERSOCK TO GROUND AT EACH END.

PLAN VIEW



SECTION VIEW

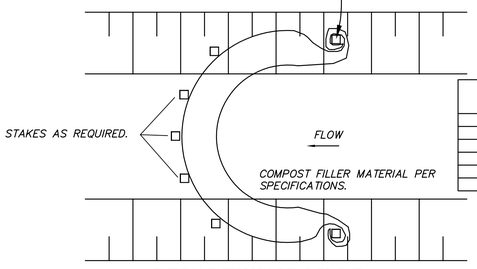
QQ VAR

FILTREXX INLET PROTECTION -CURB INLET

NOT TO SCALE

NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. COMPOST MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.
3. SPACE SO TOP OF DOWNSTREAM DITCH CHECK IS AT SAME ELEV. AS TOE OF UPSTREAM DITCH CHECK.



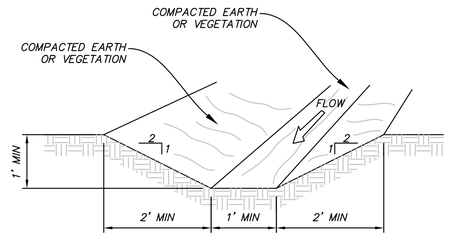
DITCH %	DITCH CHECK SPACING (FEET)
1.0	150
2.0	75
3.0	50
4.0	38
5.0	30
6.0	25

FILTREXX FILTERSOCK SIZING TO SUIT CONDITIONS, 8" TO 18" TYPICAL.

PP VAR

TYPICAL FILTREXX DITCH CHECK

NOT TO SCALE

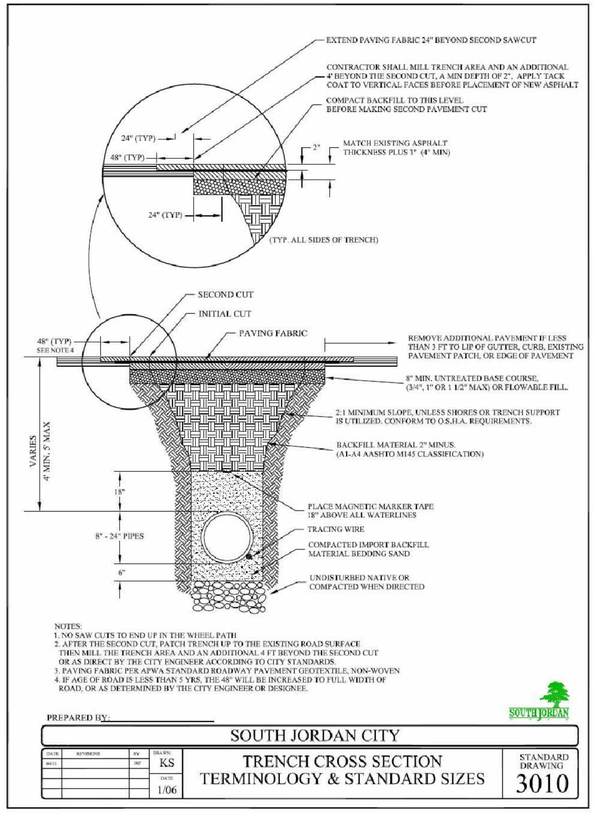


NOTE: INSTALL FILTREXX DITCH CHECKS AS SHOWN ON PLANS PER DETAIL PP/ER02

OO VAR

TEMPORARY INTERCEPTOR DITCH AND FILTREXX DITCH CHECK

NOT TO SCALE



NOTES:
1. NO SAW CUTS TO END UP IN THE WHEEL PATH
2. AFTER THE SECOND CUT, PATCH TRENCH UP TO THE EXISTING ROAD SURFACE THEN MILL THE FRENCH AREA AND AN ADDITIONAL 4 FT BEYOND THE SECOND CUT OR AS DIRECT BY THE CITY ENGINEER ACCORDING TO CITY STANDARDS.
3. PAVING FABRIC PER APWA STANDARD ROADWAY PAVEMENT GEOTEXTILE, NON-WOVEN
4. IF AGE OF ROAD IS LESS THAN 5 YRS, THE 48" WILL BE INCREASED TO FULL WIDTH OF ROAD, OR AS DETERMINED BY THE CITY ENGINEER OR DESIGNEE.

PREPARED BY: _____

SOUTH JORDAN CITY

DATE	REVISIONS	BY

DRAWN BY: KS
DATE: 1/06

TRENCH CROSS SECTION
TERMINOLOGY & STANDARD SIZES

STANDARD DRAWING 3010

perigee consulting
WEST JORDAN, UT 84088
WWW.PERIGEECIVIL.COM
9067 SOUTH 1300 WEST, SUITE 304
801.628.6004 TEL 801.560.0611 FAX

SOUTH JORDAN CITY

CITY ENGINEER DATE

MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: JTA
DRAWN BY: SKS
SUBMITTED BY:
DATE: FEB. 2014
CKD BY: XXX
SOLICITATION NO.
CONTRACT NO: 00348
FILE NAME: N:\00182 Daybreak\Civil\VP\dwgs 8\VD DT01
PLOTTED BY:
PLOT DATE: 3/28/2014 11:10:57 AM
SIZE: ANSI D
REV:

DAYBREAK
VC1 MF6
DETAILS

SHEET NUMBER 10
OF 09 SHEETS
DRAWING NAME DT01

CALL BEFORE YOU DIG! BLUE STAKES 1 800 662 4111