ENGINEERING PLANS

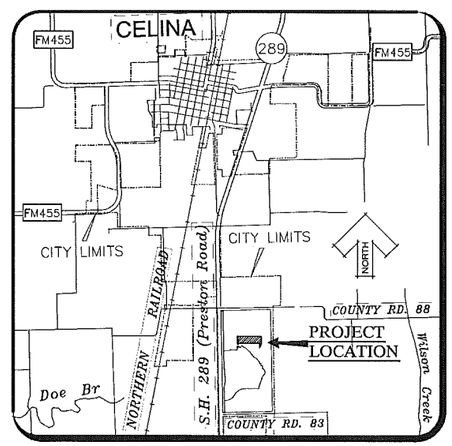
THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

DEVELOPER:

ONE CARTER RANCH, L.P.

1221 NORTH INTERSTATE 35, SUITE 200
CARROLLTON, TEXAS 75006
PHONE (469) 892-7200 FAX (469) 892-7201



VICINITY MAP
(Not To Scale)

SHEET LIST

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	FINAL PLAT
4	FINAL PLAT
5	WATER PLAN
6	SANITARY SEWER PLAN
7	SANITARY SEWER PROFILES : LINE S-1 S-2 & S-3 8+50.00 - 12+38.20
8	SANITARY SEWER PROFILES : LINE S-3 0+00.00 - 8+50.00
9	DRAINAGE AREA MAP
10	DRAINAGE CALCULATIONS
11	STORM SEWER PLAN & PROFILE : LINES D-1 D-3, LATERALS D-3.1 & D-3.2
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13	PAVING PLAN & PROFILE : APPALOOSA LANE & OLD STABLES DRIVE
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16	GRADING PLAN
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23	SANITARY SEWER DETAILS
24	SANITARY SEWER DETAILS
25	STORM SEWER DETAILS
26	STORM SEWER DETAILS
27	PAVING DETAILS

1. Revised Sheets 5 and 6.

USA PROFESSIONAL SERVICES GROUP, INC.
CIVIL ENGINEERS-SURVEYORS-PLANNERS-LANDSCAPE ARCHITECTS
TEXAS BOARD OF PREFESSIONAL ENGINEERS REGISTERED NO. F-1845
1525 VICEROY DRIVE, DALLAS, TEXAS 75235
OFFICE: (214) 634-3300 FAX: (214) 634-3338
WWW.USAENGINEERS.COM

JULY 2011

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

7/9/11

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA JOB NO. 2009016.01

2009016.01 - THE CARTER RANCH - PHASE IIB - ENGINEERING PLANS

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City of Celina
CONSTRUCTION NOTES

GENERAL

1. All construction shall be in accordance with the latest revision of the North Central Texas Council of Governments "Standard Specifications for Public Works Construction" including the Standard Drawings@ therein and the City of Celina's addendum thereto.

2. Before beginning construction, the contractor shall prepare a construction sequence schedule. The construction schedule shall be such that there is the minimum interference with traffic along or adjacent to the project.

3. Construction may not be begun earlier than 7:00 A.M. on weekdays nor continued after dark without permission from the City of Celina. Construction on holidays and Saturday must be approved two days in advance, a fee of $300.00 a day for working on holidays and Saturday will be accessed payable to the city before work is preformed. Work may not be begin before 8:00 A.M. and work on Sunday is prohibited without special permission and payment of fees.

4. Utilities shown on the plans were taken from field surveys and information provided by the utility companies. The completeness and the accuracy of this data is not guaranteed.

The contractor is responsible for verifying the location of all underground utilities and structures and protecting them from damage during construction.

5. Work may not be backfilled or covered until the City has inspected it.

6. Material testing shall be performed by an independent testing laboratory and paid for by the Contractor. The following material tests shall be provided by the Contractor:

a. Embankment - One soil density test shall be performed at each location for each 500 C.Y. of backfill placed.

Pavement Sub grade - One gradation test (where lime stabilized) and one soil density test shall be performed for each 100 linear feet of pavement unless otherwise noted.

b. Utility Trench Backfill - One soil density test shall be performed as directed by City of Celina..

c. Concrete Tests:

(1). Compressive Strength - as specified in the N.C.T.C.O.G. specifications or city specifications.
Air Content - One test for each 25 C.Y. of concrete or fraction thereof unless otherwise noted.
(2). Slump - One test for each 9 C.Y. unless otherwise noted.

The City shall select the location and depth of each soil density test. unless otherwise directed.

7. All excavation on the project is unclassified.

8. Temporary erosion control shall be used to minimize the spread of silt and mud from the project on to existing streets, alleys, drainage ways and public and private property. Temporary erosion controls may include silt fences, rock check dams, stabilized construction entrances, straw bales, berms, dikes, swales, strips of undisturbed vegetation, check dams and other methods as required by the City Administrator or his representative and shall conform to the AStorm Water Quality Best Management Practices for Construction Activities@ as published by the North Central Texas Council of Governments>

9. Finished slopes on public rights-of-way and easements shall not be steeper than 4:1. All slopes steeper than 6:1 shall be covered with erosion control matting and are hydro mulched and maintained by the contractor until grass covers all parts of the slope.

10. The contractor shall maintain two-way traffic at all times along the project.

11. Remove, salvage and replace all street and traffic control signs, which may be damaged by the construction of the project.

12. All trenching and excavation shall be performed in accordance with OSHA standards.
accepted. Deflection testing of PVC sewer lines is required. Video testing of PVC sanitary sewer lines is required and shall be preformed at the contractor's expense before city acceptance.

PAVING

1. All embankments shall be compacted to 95% Standard Proctor density.

2. All streets and alleys shall be placed on lime stabilized sub grade with a lime content of not less than 7%. Or approved by city engineer.

3. The minimum 28 day compressive strength of concrete street paving shall not be less than 3600 psi and shall be air entrained. Water may not be applied to the surface of concrete paving to improve workability.

4. All curb and gutter shall be integral with the pavement.

5. Parabolic crowns are required on all street pavements except on major thoroughfares where straight sections are required.

6. Streets and alleys shall be constructed with provisions for sidewalk ramps at all intersections.

DRAINAGE

1. Storm sewer pipe shall be reinforced concrete, Class III unless otherwise noted.

2. All structural concrete shall be Class "C" (3600 psi compressive strength at 28 days), air entrained.

3. The contractor shall install plugs in storm sewer lines or otherwise prevent mud from entering the storm sewer system during construction.

WATER AND SANITARY SEWER

1. Water mains shall be AWWA C-900 or 905 PVC Class 200 unless otherwise noted. Minimum cover for waterlines is 48" below top of curb, 60" where no curbed street is present or as required to clear existing utilities, whichever is greater. Class B+ embedment unless otherwise noted.

2. Marking tape shall be installed one foot above and over PVC water lines.

3. Fittings for PVC water lines shall be ductile iron and be encased in a polyethylene sheath.

4. All Mechanical Joints will be restrained. (Mega-Lug etc.)

5. Valves, including tapping valves shall be resilient seat gate valves.

6. All direct burial valves shall be provided with cast iron valve boxes with PVC stacks. Valve stacks shall be vertical and concentric with the valve stem. Stainless steel valve extensions are required on all valves where the operating nut is greater than 4 feet below finished grade.

7. Fire hydrants shall be Waterous or Equal as directed or approved by the City of Celina on a case by case basis and field painted silver with bonnet and caps color-coded to pipe size.

a. Six inch line- silver body with RED bonnet and caps.
b. Eight inch line- silver body with BLUE bonnet and caps.
c. Ten inch line- silver body with GREEN bonnet and caps.
d. Twelve inch and larger- silver body with YELLOW bonnet and caps.

8. All exposed bolting on any buried equipment or material shall be stainless steel. Included are:

a. Bonnet and stuffing box bolts on valves.
b. Shoe bolts on fire hydrants.
c. Flange bolts.
d. "Cor-ten" mechanical joint "T" bolts are acceptable for direct burial service.

9. Meter boxes shall approved by the City of Celina. Please see attached.

10. Sanitary sewer mains shall be DR 35 PVC. Class H embedment unless otherwise noted.

a. The contractor shall install and maintain watertight plugs in all connections to the City's sanitary sewer system until the City accepts the project.

b. All sanitary sewer lines <u>and</u> manholes shall be leak tested before the project is accepted. Deflection testing of PVC sewer lines is required.

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS

GENERAL NOTES

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1945
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: N/A
SHEET: 2 OF 27
PROJECT NO. 2009016.01

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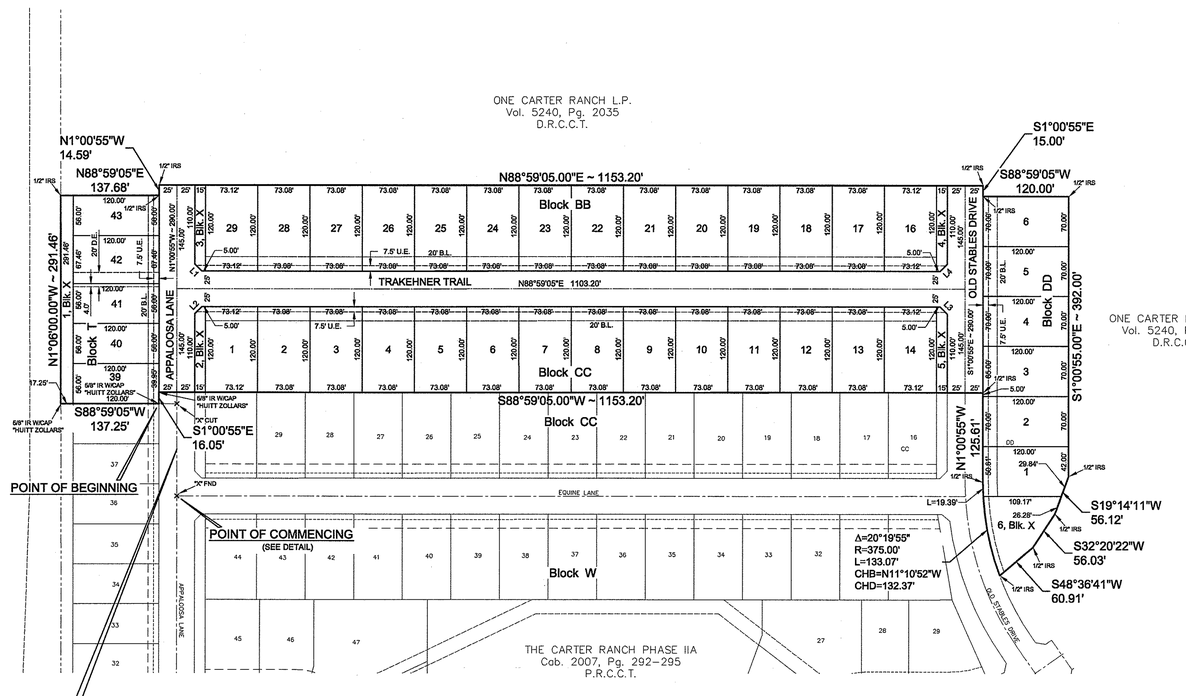
GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

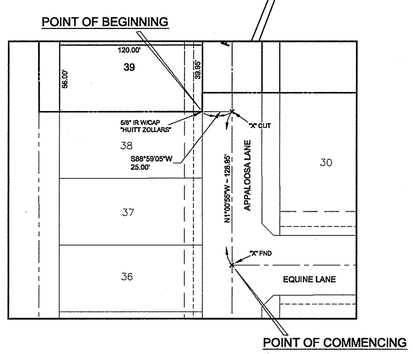


Parcel Table	
Blk/Lot	Area
BB - 16	8774 s.f.
BB - 17	8770 s.f.
BB - 18	8770 s.f.
BB - 19	8770 s.f.
BB - 20	8770 s.f.
BB - 21	8770 s.f.
BB - 22	8770 s.f.
BB - 23	8770 s.f.
BB - 24	8770 s.f.
BB - 25	8770 s.f.
BB - 26	8770 s.f.
BB - 27	8770 s.f.
BB - 28	8770 s.f.
BB - 29	8774 s.f.
CC - 1	8774 s.f.
CC - 2	8770 s.f.
CC - 3	8770 s.f.
CC - 4	8770 s.f.
CC - 5	8770 s.f.
CC - 6	8770 s.f.

Parcel Table	
Blk/Lot	Area
CC - 7	8770 s.f.
CC - 8	8770 s.f.
CC - 9	8770 s.f.
CC - 10	8770 s.f.
CC - 11	8770 s.f.
CC - 12	8770 s.f.
CC - 13	8770 s.f.
CC - 14	8774 s.f.
DD - 1	8252 s.f.
DD - 2	8400 s.f.
DD - 3	8400 s.f.
DD - 4	8400 s.f.
DD - 5	8400 s.f.
DD - 6	8400 s.f.
T - 39	6720 s.f.
T - 40	6720 s.f.
T - 41	6720 s.f.
T - 42	8095 s.f.
T - 43	6720 s.f.

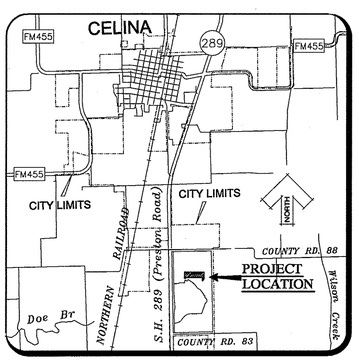
Parcel Table	
Blk/Lot	Area
X - 1	5089 s.f.
X - 2	1750 s.f.
X - 3	1750 s.f.
X - 4	1750 s.f.
X - 5	1750 s.f.
X - 6	7417 s.f.

Line Table		
Line #	Length	Direction
L1	14.14'	S46°00'55"E
L2	14.14'	N43°59'05"E
L4	14.14'	S43°59'05"W
L3	14.14'	S46°00'55"E



LEGEND	
SYMBOL	DESCRIPTION
S.F.	Lot Area (Square Feet)
U.E.	Utility Easement (By This Plat)
W.E.	Waterline Easement (By This Plat)
S.E.	Sanitary Sewer Easement (By This Plat)
B.L.	Minimum Building Setback Line
Min. F.F.	Minimum Finish Floor
IRS	Iron Rod Set
IRF	Iron Rod Found
SET "x"	"x" Cut In Concrete Pavement
FND "x"	"x" Found In Concrete Pavement
D.R.C.C.T.	Deed Records, Collin County, Texas
P.R.C.C.T.	Plat Records, Collin County, Texas

AREA TABLE	
Street Right-of-Way	81,859.85 S.F. / 1.88 Acres
Lots	330,793.88 S.F. / 7.59 Acres
Open Space/Common Areas	19,505.68 S.F. / 0.45 Acres
Gross Area	432,159.41 S.F. / 9.92 Acres



VICINITY MAP
(Not To Scale)

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR. ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

Developer/Owner:
ONE CARTER RANCH, L.P.
1221 NORTH INTERSTATE 35, SUITE 200
CARROLLTON, TEXAS 75006
Phone (469)892-7200 Fax (469)892-7201

FINAL PLAT

THE CARTER RANCH - PHASE IIB
39 RESIDENTIAL LOTS
6 OPEN SPACE/COMMON AREA LOTS

SITUATED IN THE
SHELBY GLASS SURVEY ABSTRACT No.346
CITY OF CELINA, COLLIN COUNTY, TEXAS

USA PROFESSIONAL SERVICES GROUP, INC.
CIVIL ENGINEERS - SURVEYORS - PLANNERS
LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

July 2011 2009016.01
SHEET 1 OF 2

CITY CASE NO. FP11-01

Recording Information: Cabinet_____ Page_____

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STATE OF TEXAS
COUNTY OF COLLIN

OWNER'S DEDICATION

WHEREAS One Carter Ranch, L.P., is the owner of a tract of land situated in the Shelby Glass Survey, Abstract No.346, City of Celina, Collin County, Texas and being a portion of that tract of land as described in instrument to One Carter Ranch, L.P. as recorded in Volume 5240, Page 2035 of the Deed Records, Collin County, Texas (D.R.C.C.T.) and being more particularly described as follows:

COMMENCING at an "X" scribed in concrete found at the centerline intersection of Appaloosa Lane (a 50' Right -of-Way) and Equine Lane (a 50' Right -of-Way) of "Carter Ranch Phase IIA" as recorded in Cabinet 2007, Page 292-295 Plat Records, Collin County, Texas.

THENCE North 01 degree 00 minutes 55 seconds West along the centerline of Appaloosa Lane for a distance of 128.95' feet to a set "X"scribed in concrete in the centerline of said Appaloosa Lane (a 50' Right-of-Way).

THENCE South 88 degrees 59 minutes 05 seconds West departing the centerline of Appaloosa Lane for distance of 25.00' feet to a 5/8"inch iron rod with cap stamped "Huitt Zollars"found for the Northeast corner of lot 38 Block "T" of said Carter Ranch Phase IIA and **THE POINT OF BEGINNING**

THENCE South 88 degrees 59 minutes 05 seconds West continuing along said North line of said lot 38 Block "T" and passing a 5/8"inch rod with cap stamped "Huitt Zollars" at a distance of 120.00' feet and continuing for a total distance of 137.25' feet to a 1/2" iron rod with cap stamped "USA INC" set for corner (hereinafter called 1/2" iron rod set for corner).

THENCE North 01degree 06 minutes 00 seconds West along the West line of the One Carter Ranch, L.P; Tract for a distance of 291.46' feet to a 1/2" inch iron rod set for corner.

THENCE North 88 degrees 59 minutes 05 seconds East departing the West line of the One Carter Ranch, L.P; Tract for a distance of 137.68' feet to a 1/2"iron rod set for corner.

THENCE North 01 degree 00 minutes 55 seconds West for a distance of 14.59' feet to a 1/2" iron rod set for corner.

THENCE North 88 degrees 59 minutes 05 seconds East for a distance of 1,153.20' feet to a 1/2" iron rod set for corner.

THENCE South 01 degree 00 minutes 55 seconds East for a distance of 15.00' feet to a 1/2" inch iron rod set for corner.

THENCE North 88 degrees 59 minutes 05 seconds East for a distance of 120.00' feet to a 1/2" iron rod set for corner.

THENCE South 01 degree 00 minutes 55 seconds East for a distance of 392.00' feet to a 1/2" inch iron rod set for corner.

THENCE South 19 degrees 14 minutes 11 seconds West for a distance of 56.12' feet to a 1/2" inch iron rod set for corner.

THENCE South 32 degrees 20 minutes 22 seconds West for a distance of 56.03' feet to a 1/2" inch iron rod set for corner.

THENCE South 48 degrees 36 minutes 41 seconds West for a distance of 60.91' feet to a 1/2" inch iron rod set for corner, said corner being in the Easterly right-of-way of "Old Stables Drive" (a 50'foot right-of-way) as recorded in said "Carter Ranch Phase IIA" and the beginning of a non-tangent curve to the right having a radius of 375.00' feet, a central angle of 20 degrees19 minutes 55 seconds a chord which bears North 11 degrees 10 minutes 52 seconds West and a chord distance of 132.37' feet

THENCE along said curve and the Easterly right-of-way of "Old Stables Drive" an arc distance of 133.07' feet to a 1/2" inch iron rod set for corner.

THENCE North 01 degree 00 minutes 55 seconds West continuing along the Easterly right-of-way of "Old Stables Drive" for a distance of 125.61' feet to a 1/2" inch iron rod with cap stamped "Huitt-Zollars" found for corner.

THENCE South 88 degrees 59 minutes 05 seconds West departing the Easterly right-of-way of "Old Stables Drive" and along the most Northerly line of said Carter Ranch Phase IIA a distance 1,153.20' feet to a 1/2" inch iron rod set for corner, said rod also being on the West right-of-way of "Appaloosa Lane" (a 50' foot dedicated right-way)

THENCE South 01 degree 00 minutes 55 seconds East along the West line of said "Appaloosa Lane" and the West line of said Carter Ranch Phase IIA for a distance of 16.05' feet to a 5/8" inch iron rod with cap stamped "Huitt-Zollars" found for corner and the **POINT OF BEGINNING** and containing 9.92 acres (432,159.41 square feet) of land more or less.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That **ONE CARTER RANCH, L.P.,** acting herein by and through his (its) duly authorized officer(s), does hereby adopt this plat designating the herein described property as **THE CARTER RANCH PHASE IIB** , an addition to the City of Celina, Collin County, Texas, and does hereby dedicate, in fee simple, to the public use forever, the streets, rights-of-way, and other public improvements shown thereon. The streets and alleys, if any, are dedicated for street purposes. The easements and public use areas, as shown, are dedicated, for the public use forever, for the purposes indicated on this plat. No buildings, fences, trees, shrubs or other improvements or growths shall be constructed or placed upon, over or across the easements as shown, except that landscape improvements may be placed in landscape easements, if approved, if approved by the City Council of the City of Celina. In addition, utility easements may also be used for the mutual use and accommodation of all public utilities desiring to use or using the same unless the easements limits the use to particular utilities, said use by public utilities being subordinate to the public's and City of Celina's use thereof. The City of Celina and the public utilities entities shall have the right to remove and keep removed all or parts of any buildings, fences, trees, shrubs or other improvements or growths which may in any way endanger or interfere with the construction, maintenance, or efficiency of the respective systems in said easements. The City of Celina and public utility entities shall at all times have the full right of ingress and egress and egress to or from their respective easements for the purpose of constructing, reconstructing, inspecting, patrolling, maintaining, reading meters, and adding to or removing all or parts of their respective systems without the necessity at any time procuring permission from anyone.

This plat approved subject to all platting ordinances, rules, regulations and resolutions of the City of Celina, Texas

WITNESS, my hand, this the _____ day of _____, 2011.

By:

_____
Authorized Signature of Owner

_____
Printed Name and Title

STATE OF TEXAS ~
COUNTY OF _____

Before me, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally appeared _____, Owner, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and considerations therein expressed.

Given under my hand and seal of office, this_____ day of _____, 2011.

_____
Notary Public in and for the State of Texas

_____
My Commission Expires On:

PROPERTY LOCATION STATEMENT
This property is located in the corporate limits of the City of Celina, Collin County, Texas.

_____ _____
Date of Approval Signature of Mayor

ATTEST:

_____ _____
City Secretary Date

KNOW ALL MEN BY THESE PRESENTS

THAT, I, Gary Romatz, do hereby certify that I prepared this plat from an actual survey of the land and that the corner monuments shown thereon were properly placed under my personal supervision, in accordance with the subdivision regulations of the City of Celina, Texas.

PRELIMINARY
FOR REVIEW PURPOSES ONLY. THIS DOCUMENT
SHALL NOT BE RECORED FOR ANY PURPOSE.
Gary Romatz, Registration Professional Land Surveyor
Texas Registration No. 5016

_____
Date

STATE OF TEXAS ~
COUNTY OF DALLAS

Before me, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally appeared Gary Romatz, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and considerations therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this _____ day _____, 2011.

_____
Notary Public in and for the State of Texas

_____
My Commission Expires On:

FINAL PLAT

Approved by the City of Celina for filing at the office of the County Clerk of Collin County, Texas

RECOMMENDED BY: Planning and Zoning Commission
City of Celina, Texas

_____ _____
Signature of Chairperson Date of Recommendation

APPROVED BY: City Council
City of Celina, Texas

_____ _____
Signature of Mayor Date of Approval

ATTEST:

_____ _____
City Secretary Date

STANDARD NOTES

1. Selling a portion of this addition by metes and bounds is a violation of city ordinance and state law, and is subject to fine and withholding of utilities and building permits.

2. The undersigned does hereby covenant and agree that he or she or they shall construct upon the fire lane easements, as dedicated as shown hereon, a hard surface in accordance with the City of Celina's paving standards for fire lane, and that he or she or they shall maintain the same in a state of good repair at all times and keep the same free and clear of any structures, fences, trees, shrubs or other improvements or obstruction, including but not limited to the parking of motor vehicles, trailers, boats or other impediments to the accessibility of fire apparatus. The maintenance of paving on the fire lane easements
Is the responsibility of the owner, and the owner shall post and maintain appropriate signs in conspicuous places along such fire lanes, stating "Fire Lanes, No Parking". The local law enforcement agency(s) is hereby authorized to enforce parking regulations within the fire lanes, and to cause such fire lanes and utility easements to be maintained free and unobstructed at all times for Fire Department and emergency use.

3. The undersigned does hereby covenant and agree that the access easement may be utilized by any person or the general public for ingress and egress to public vehicular and pedestrian use and access, and for Fire Department and emergency use in, along, upon and across said premises, with the right and privilege at all times of the City of Celina, its agents, employees, workmen and representatives having ingress, egress, and regress in, along, upon and across said premises

4. The areas or areas shown on the plat as "VAM" (Visibility, Access and Maintenance)
Easement(s) are hereby given and granted to the city, its successors and assigns, as an easement to provide visibility, right of access for maintenance upon and across said VAM Easement. The city shall have the right but not the obligation to maintain any and all landscaping within the VAM Easement. Should the city exercise this maintenance right, then it shall be permitted to remove and dispose of any and all landscaping improvements, including without limitations any trees, shrubs, flowers, ground cover and fixtures. The city may withdraw maintenance of the VAM Easement at any time. The ultimate maintenance responsibility for the VAM Easement shall rest with the owners. No building, fence, shrub, tree or other improvements or growths, which in any way may endanger or interfere with the visibility, shall be constructed in, on, over, or across the VAM Easement. The city shall also have the right but not the obligation to add any landscape improvements to the VAM easements, to erect any traffic control devices or signs on the VAM Easement and to remove any obstruction thereon. The city, its successors, assigns, or agents shall have the right and privilege at all times to enter upon the VAM Easement or any part thereof for the purposes and with all rights and privilege set forth herein.

5. All open space / common area lots are to be dedicated to the HOA and the HOA will be responsible for the maintenance and upkeep of said lots.

6. Sidewalks must be installed by the Developer along all open space and common area lots

7. The City of Celina will not exclude other utilities from dedicated water & sewer easements but reserves the right to assign the locations of other utilities in available portions of said easements. Franchise utilities shall be placed just inside the outside edge of the right-of-way (outside of sidewalk).

8. A fence may be constructed along lot lines within a surface drainage easement provided the fence does not obstruct surface drainage.

9. All lot corners and boundary corners will be set upon completion of construction with 1/2" inch x 18"inch iron rods with yellow plastic caps stamped "USA INC." The centerline of the street right-of-way will be monumented with a scribed "x" in concrete at the p.c.'s, p.t.'s and intersection points.

10. All water, sanitary sewer and drainage easements to be dedicated to the City of Celina and maintained by the HOA.

11. Except as shown, no portion of the property is located in the 100 year floodplain as shown on The Flood Insurance Rate Map for Collin County, Texas. Map No. 48085C0120J, revised June 2, 2009.

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

Developer/Owner:
ONE CARTER RANCH, L.P.
1221 NORTH INTERSTATE 35, SUITE 200
CARROLLTON, TEXAS 75006
Phone (469)892-7200 Fax (469)892-7201

FINAL PLAT

THE CARTER RANCH - PHASE IIB
39 RESIDENTIAL LOTS
6 OPEN SPACE/COMMON AREA LOTS

SITUATED IN THE
SHELBY GLASS SURVEY ABSTRACT No.346
CITY OF CELINA, COLLIN COUNTY, TEXAS

USA PROFESSIONAL SERVICES GROUP, INC.
CIVIL ENGINEERS - SURVEYORS - PLANNERS
LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

July 2011 2009016.01
SHEET 2 OF 2

CITY CASE NO. FP11-01

Recording Information: Cabinet_____ Page_____

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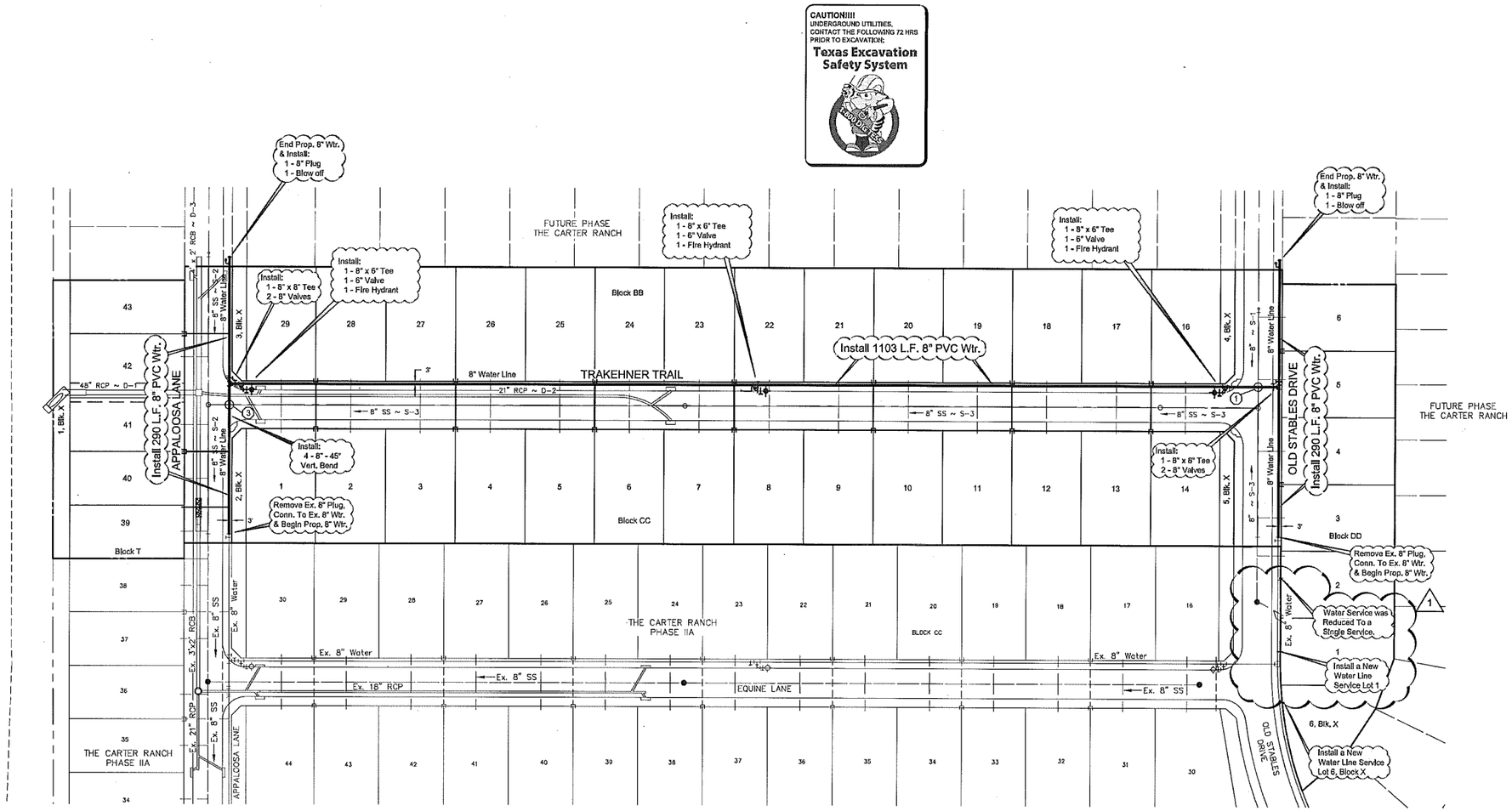

REV	DESCRIPTION	DATE
1	Lot1 - W/Serv. In Center of Lot. Lot 2 - W/Serv. was Reduced to a Single Serv.	12.04.12

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS
WATER PLAN

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
LICENSED
PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1945
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: 1" = 60'
SHEET: 5 OF 27
PROJECT NO. 2009016.01

BENCHMARKS

TBM #1= Centerline of existing sanitary manhole at the centerline intersection of Appaloosa Lane and Equine Lane located in "The Carter Ranch Phase IIA". Elevation = 687.57'feet

TBM #2 = "X" Found in concrete at the centerline intersection of Equine Lane and Old Stables Drive located in "The Carter Ranch Phase IIA". Elevation =728.63'feet

CM #5 = Concrete monument with 5/8 inch iron rod with cap stamped "Hulti-Zollars" at the Southeast corner of the intersection of State Highway 289 and County Road 88, located approximately 45' feet South of the centerline of County Road 88 and 112' feet East of the centerline of State Highway 289 Elevation = 681.76' feet

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

LEGEND	
SYMBOL	DESCRIPTION
	45° HORIZONTAL BEND
	90° HORIZONTAL BEND
	TEE
	PLUG
	VALVE
	FIRE HYDRANT
O	SANITARY SEWER MANHOLE
W.M.E.	WALL MAINTENANCE EASEMENT
U.E.	UTILITY EASEMENT
D.E.	DRAINAGE EASEMENT
C.C.E.	CORNER CLIP VISIBILTY EASEMENT
	WATER MAIN
	1" WATER SERVICE
	SANITARY SEWER MAIN
1	WATER/SANITARY SEWER CROSSING CASE # (See Sheet 23 For Crossing Details)

LOCATION OF SAMPLE STATION TO BE DETERMINED BY PUBLIC WORKS DEPARTMENT

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

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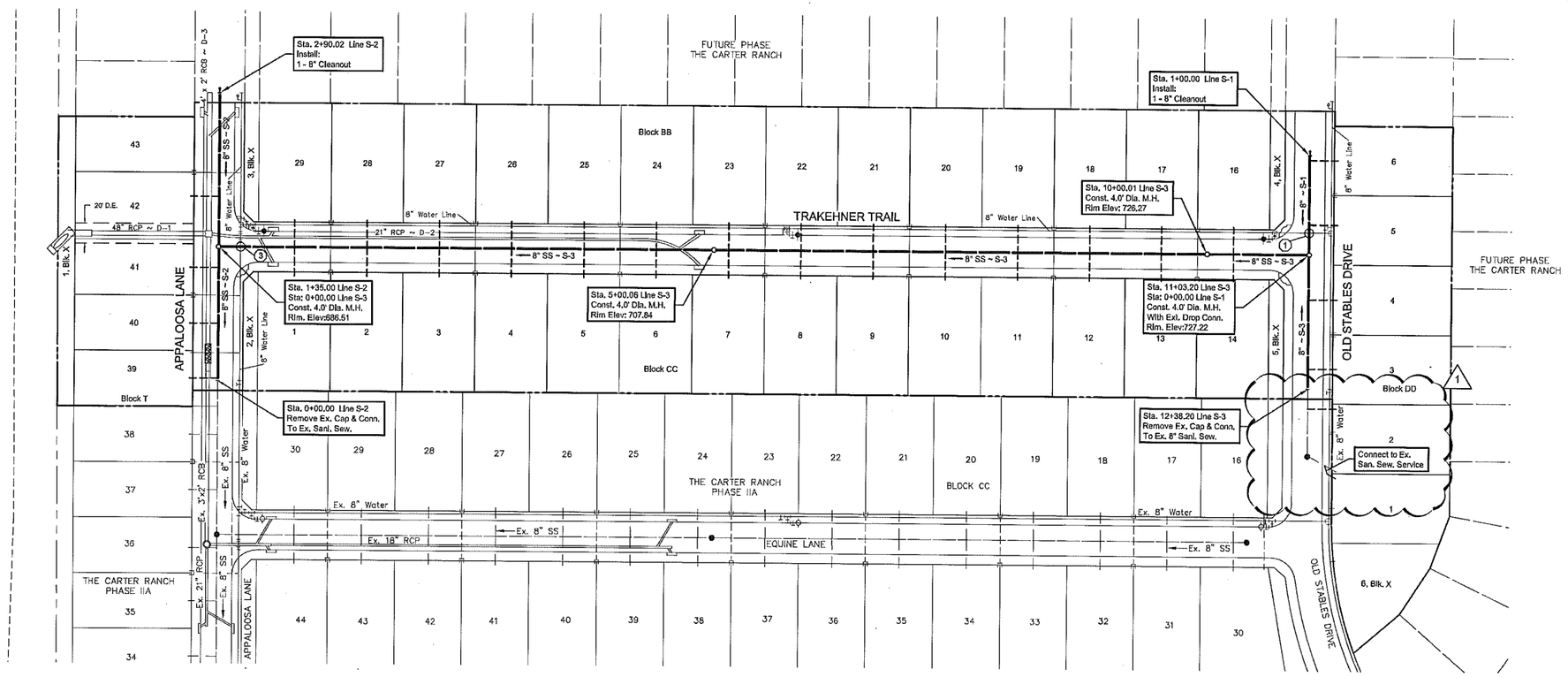
CAUTION!!!!
UNDERGROUND UTILITIES.
CONTACT THE FOLLOWING 72 HRS
PRIOR TO EXCAVATION:
Texas Excavation Safety System



LEGEND

SYMBOL	DESCRIPTION
	45° HORIZONTAL BEND
	90° HORIZONTAL BEND
	TEE
	PLUG
	VALVE
	FIRE HYDRANT
	SANITARY SEWER MANHOLE
W.M.E.	WALL MAINTENANCE EASEMENT
U.E.	UTILITY EASEMENT
D.E.	DRAINAGE EASEMENT
C.C.E.	CORNER CLIP VISIBILITY EASEMENT
	SANITARY SEWER MAIN
	SANITARY SEWER SERVICE
	WATER MAIN
	WATER/SANITARY SEWER CROSSING CASE # (See Sheet 23 For Crossing Details)

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(IN FEET)
1 inch = 60 ft.

RECORD DRAWING

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Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

REV	DESCRIPTION	DATE
1	Installed San. Sew. Service on existing.	12.04.12
	Removed Prop. Services.	

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS
SANITARY SEWER PLAN

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1846
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3330

DATE: July 2011
SCALE: 1" = 60'
SHEET: 6 OF 27
PROJECT NO. 2009016.01

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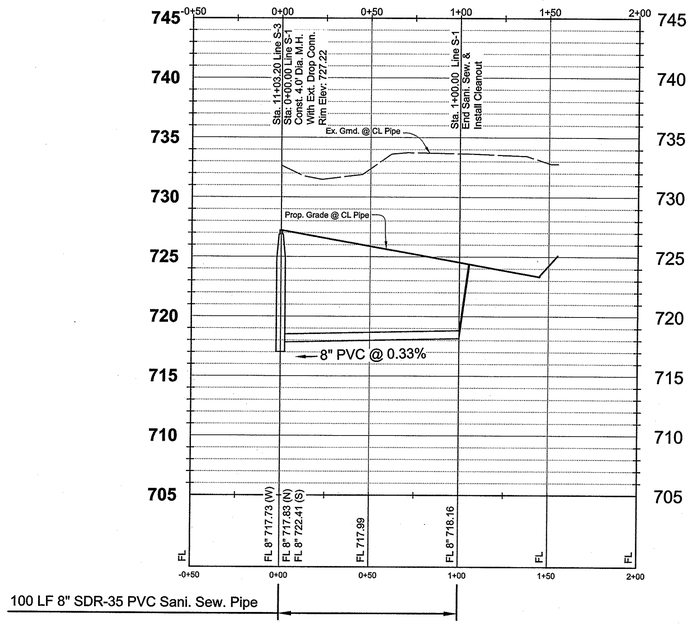
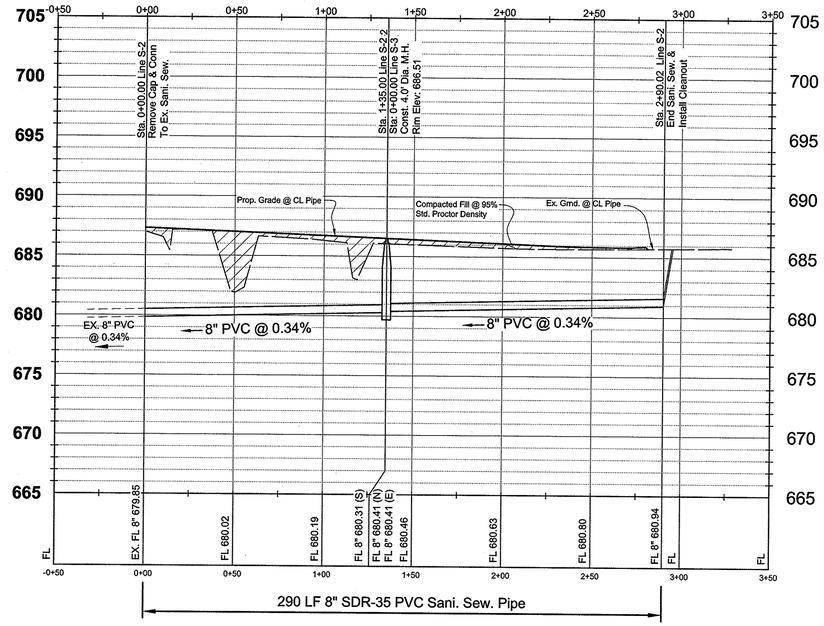
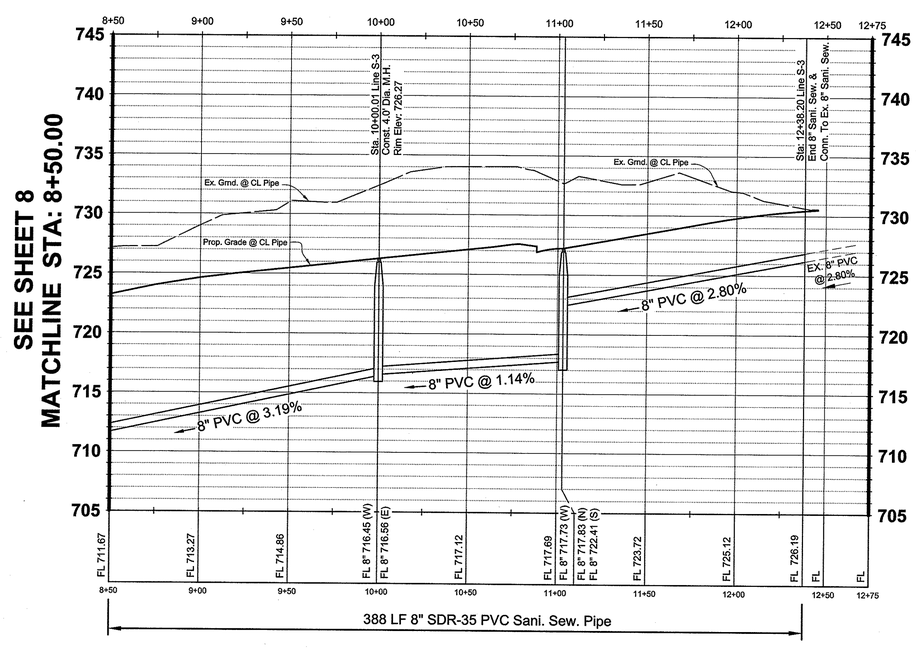
Profile View of S-1



Profile View of S-2



Profile View of S-3



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GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

SANITARY SEWER PROFILES
LINE S-1 S-2
S-3 8+50.00 - 12+38.20

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED
PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: 1" = 40' H 1" = 6' V
SHEET: 7 OF 27
PROJECT NO. 2009016.01

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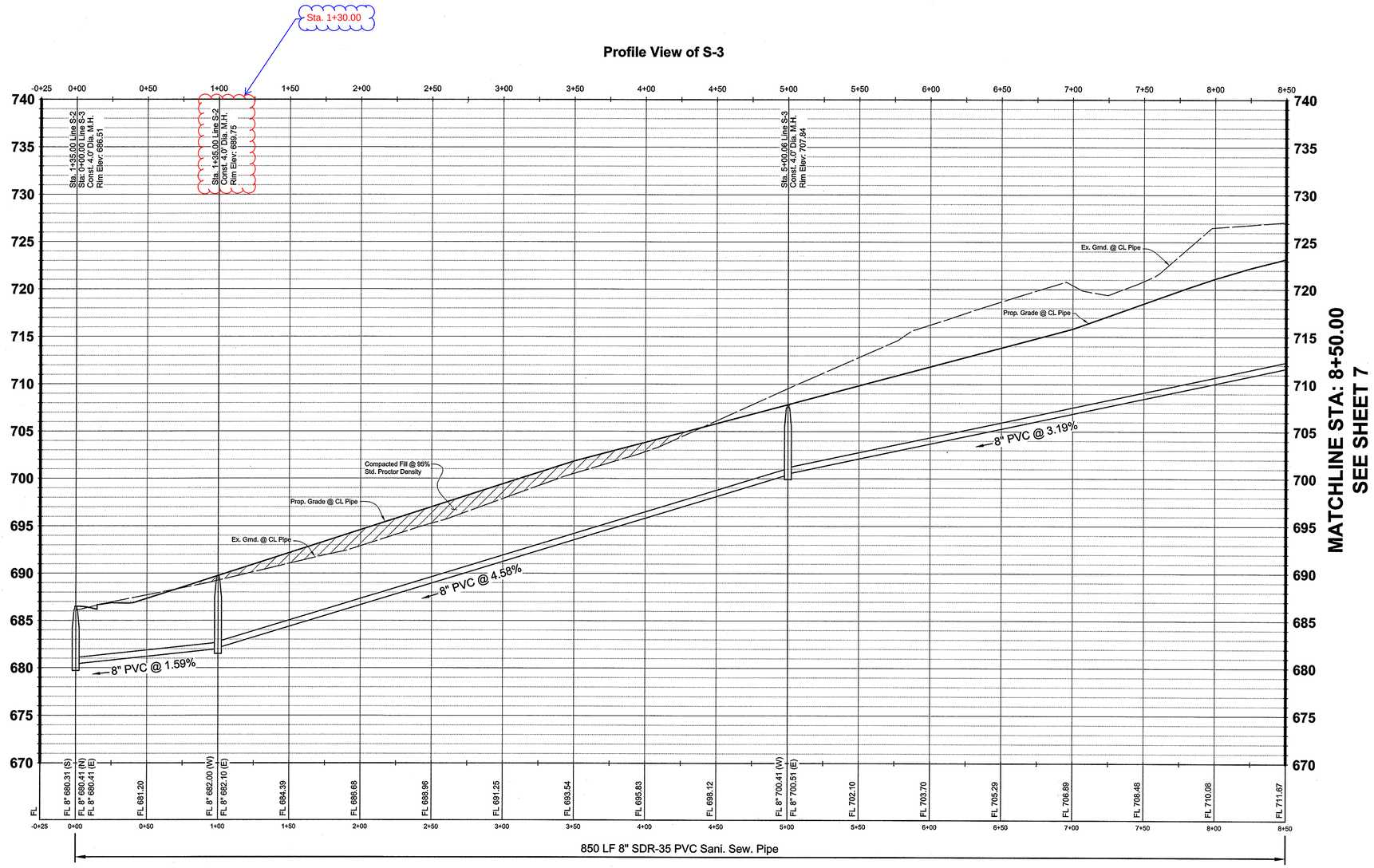

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RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

SANITARY SEWER PROFILES

LINE S-3 0+00.00 - 8+50.00

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
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1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE: 1" = 40' H 1" = 6' V

SHEET: 8 OF 27

PROJECT NO. 2009016.01

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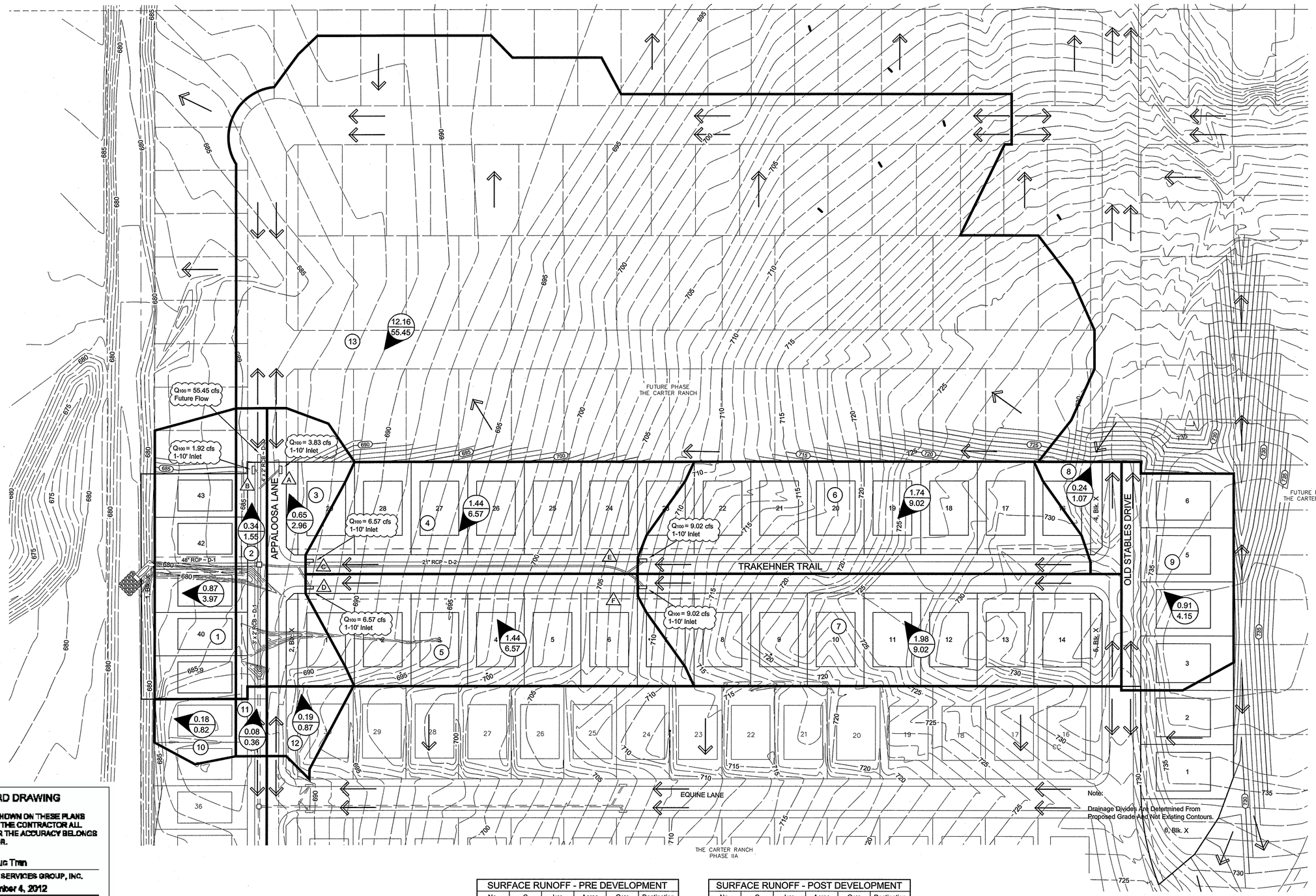

Note:

Drainage Divides Are Determined From Proposed Grade And Not Existing Contours.

RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

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GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

SURFACE RUNOFF - PRE DEVELOPMENT

No.	C	I_{100}	Acres	Q_{100}	Destination
1	0.40	7.60	0.87	2.64	Offsite
2	0.40	7.60	0.34	1.03	Inlet B
3	0.40	7.60	0.65	1.98	Inlet A
4	0.40	7.60	1.44	4.38	Inlet C
5	0.40	7.60	1.44	4.38	Inlet D
6	0.40	7.60	1.74	5.29	Inlet E
7	0.40	7.60	1.98	6.02	Inlet F
8	0.40	7.60	0.24	0.73	Offsite
9	0.40	7.60	0.91	2.77	Offsite
10	0.60	7.60	0.18	0.82	Offsite
11	0.60	7.60	0.08	0.36	Inlet B
12	0.60	7.60	0.19	0.87	Inlet A
13	0.40	7.60	12.16	36.97	Inlet #

TOTAL Q_{100} = 68.23

SURFACE RUNOFF - POST DEVELOPMENT

No.	C	I_{100}	Acres	Q_{100}	Destination
1	0.60	7.60	0.87	3.97	Offsite
2	0.60	7.60	0.34	1.55	Inlet B
3	0.60	7.60	0.65	2.96	Inlet A
4	0.60	7.60	1.44	6.57	Inlet C
5	0.60	7.60	1.44	6.57	Inlet D
6	0.60	7.60	1.74	7.93	Inlet E
7	0.60	7.60	1.98	9.02	Inlet F
8	0.60	7.60	0.24	1.07	Offsite
9	0.60	7.60	0.91	4.15	Offsite
10	0.60	7.60	0.18	0.82	Offsite
11	0.60	7.60	0.08	0.36	Inlet B
12	0.60	7.60	0.19	0.87	Inlet A
13	0.60	7.60	12.16	55.45	Offsite

TOTAL Q_{100} = 101.30

INLET CALCULATIONS

Inlet Number	Drainage Area	Area @ Inlet	Q_{100} at inlet	Street Slope	Inlet Capacity	Inlet Size	Bypass
(#)	(#)	(acres)	(cfs)	(ft/ft)	(cfs)	(ft)	(cfs)
A	3 & 12	0.42	2.96	Sag	16.7	10	0.00
B	2 & 11	0.84	1.55	Sag	16.7	10	0.00
C	4	1.44	6.57	0.042	10.0	10	0.00
D	5	1.44	6.57	0.042	10.0	10	0.00
E	6	1.44	7.93	0.0400	10.0	10	0.00
F	7	1.74	7.93	0.0400	10.0	10	0.00

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS
DRAINAGE AREA MAP

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
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DATE: July 2011

SCALE: 1" = 40'H 1" = 6'V

SHEET: 9 OF 27

PROJECT NO. 2009016.01

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DRAINAGE CALCULATIONS

DESIGN POINT UPSTREAM TO	DESIGN POINT DOWNSTREAM FROM	DIST (FT)	DRAINAGE AREA INCREMENTAL INLET NO.	DRAINAGE AREA INCREMENTAL AREA (AC)	DRAINAGE AREA TOTAL AREA (AC)	Coeff. 'C'	INCREM "CA"	TOT "CA"	INLET TIME (MIN)	DESIGN STORM FREQ (YEARS)	INTENSITY "I" (IN/HR)	RUNOFF FLOW (CFS)	TOTAL RUNOFF FLOW (CFS)	FLOW IN PIPE (cfs)	PIPE SIZE	PIPE TYPE	FRICTIONAL SLOPE "s_f" (FT/FT)	HYDRAULIC GRADIENT ELEVATIONS UPSTREAM (FT)	HYDRAULIC GRADIENT ELEVATIONS DOWNSTREAM (FT)	HEAD LOSS AT CHANGE IN SECTION FLOW IN "V1" (FPS)	FLOW OUT "V2" (FPS)	$V_2^2/2G$ (FT)	$V_1^2/2G$ (FT)	$V_2^2/4G$ (FT)	$V_1^2/4G$ (FT)	"K_J"	$K_JV_2^2/2$ (FT)	HEAD LOSS "H_J" (FEET)	ELEV OF INVERT AT DESIGN POINT PIPE UPSTREAM (FT)	ELEV OF INVERT AT DESIGN POINT PIPE DOWNSTREAM (FT)	ELEV OF INVERT AT DESIGN POINT PIPE SLOPE (FT/FT)
D-1																														
293.27	163.00	130.27	Phase 2A	7.76	7.76	0.60	4.66	4.66	15	100	7.60	35.39	35.39	35.39	3 x 2	RCB	0.0052	684.26	683.58	0.00	5.90	0.54	0.00	0.27	0.00	0.00	0.00	0.00	0.54	682.06	681.58	0.0040
163.00	45.00	118.00	Line D-2 & D-3	20.02	27.78	0.60	12.01	16.67	15	100	7.60	126.68	126.68	126.68	48	RCP	0.0077	682.10	681.19	5.90	10.09	1.58	0.54	0.79	0.27	0.00	0.00	1.04	1.04	676.88	676.64	0.0020
45.00	21.66	23.34	-	0.00	27.78	0.60	0.00	16.67	15	100	7.60	126.68	126.68	126.68	60	RCP	0.0024	681.66	681.60	10.09	6.45	0.65	1.58	0.32	0.79	0.00	0.00	-0.47	-0.47	676.64	676.59	0.0020
21.66	0.00	21.66	-	0.00	27.78	0.60	0.00	16.67	15	100	7.60	126.68	126.68	126.68	60	RCP	0.0024	681.60	681.55	6.45	6.45	0.65	0.65	0.32	0.32	0.00	0.00	0.00	0.00	676.59	676.55	0.0020
D-2																														
500.06	475.88	24.18	Inlet F	1.98	1.98	0.60	1.19	1.19	15	100	7.60	9.03	9.03	9.03	21	RCP	0.0032	703.35	703.27	0.00	3.76	0.22	0.00	0.11	0.00	0.00	0.00	0.22	0.22	703.42	701.52	0.0780
475.88	473.45	2.43	-	0.00	1.98	0.60	0.00	1.19	15	100	7.60	9.03	9.03	9.03	21	RCP	0.0032	703.17	703.16	3.76	3.76	0.22	0.22	0.11	0.11	0.00	0.00	0.00	0.00	701.52	701.41	0.0450
473.45	436.31	37.13	Inlet E	1.74	3.72	0.60	1.04	2.23	15	100	7.60	16.96	16.96	16.96	21	RCP	0.0114	702.00	701.58	3.76	7.06	0.77	0.22	0.39	0.11	0.00	0.00	0.55	0.55	701.41	699.83	0.0430
436.31	62.47	373.84	-	0.00	3.72	0.60	0.00	2.23	15	100	7.60	16.96	16.96	16.96	21	RCP	0.0114	690.63	686.37	7.06	7.06	0.77	0.77	0.39	0.39	0.00	0.00	0.00	0.00	699.83	682.70	0.0460
62.47	58.97	3.51	-	0.00	3.72	0.60	0.00	2.23	15	100	7.60	16.96	16.96	16.96	21	RCP	0.0114	686.37	686.33	7.06	7.06	0.77	0.77	0.39	0.39	0.00	0.00	0.00	0.00	682.70	682.63	0.0190
58.97	47.42	11.55	Inlet C	1.44	5.16	0.60	0.86	3.10	15	100	7.60	23.53	23.53	23.53	21	RCP	0.0219	685.62	685.36	7.06	9.79	1.49	0.77	0.74	0.39	0.00	0.00	0.71	0.71	682.63	682.41	0.0190
47.42	32.14	15.28	Inlet D	1.44	6.60	0.60	0.86	3.96	15	100	7.60	30.10	30.10	30.10	21	RCP	0.0359	684.42	683.87	9.79	12.52	2.43	1.49	1.22	0.74	0.00	0.00	0.95	0.95	682.41	682.12	0.0190
32.14	0.00	32.14	-	0.00	6.60	0.60	0.00	3.96	15	100	7.60	30.10	30.10	30.10	21	RCP	0.0359	682.75	681.60	12.52	12.52	2.43	2.43	1.22	1.22	0.00	0.00	0.00	0.00	682.12	681.51	0.0190
D-2.1																														
29.45	0.00	29.45	Inlet D	1.44	1.44	0.60	0.86	0.86	15	100	7.60	6.57	6.57	6.57	21	RCP	0.0017	685.41	685.36	0.00	2.73	0.12	0.00	0.06	0.00	0.00	0.00	0.12	0.12	684.95	682.41	0.0860
D-2.2																														
6.35	0.00	6.35	Inlet C	1.44	1.44	0.60	0.86	0.86	15	100	7.60	6.57	6.57	6.57	21	RCP	0.0017	686.34	686.33	0.00	2.73	0.12	0.00	0.06	0.00	0.00	0.00	0.12	0.12	684.95	682.63	0.3650
D-2.3																														
25.29	0.00	25.29	Inlet E	1.74	1.74	0.60	1.04	1.04	15	100	7.60	7.93	7.93	7.93	21	RCP	0.0025	703.22	703.16	0.00	3.30	0.17	0.00	0.08	0.00	0.00	0.00	0.17	0.17	703.42	701.41	0.0790
D-3																														
142.32	119.24	23.08	Future	12.16	12.16	0.60	7.30	7.30	15	100	7.60	55.45	55.45	55.45	4 x 2	RCB	0.0063	684.79	684.64	0.00	6.93	0.75	0.00	0.37	0.00	0.00	0.00	0.75	0.75	677.45	677.35	0.0040
119.24	98.09	21.16	D-3.2	0.84	13.00	0.60	0.50	7.80	11	100	7.60	59.28	59.28	59.28	4 x 2	RCB	0.0072	684.54	684.39	6.93	7.41	0.85	0.75	0.43	0.37	0.00	0.00	0.11	0.11	677.35	677.27	0.0040
98.09	0.00	98.09	D-3.1	0.42	13.42	0.60	0.25	8.05	12	100	7.60	61.20	61.20	61.20	4 x 2	RCB	0.0076	684.33	683.58	7.41	7.65	0.91	0.85	0.45	0.43	0.00	0.00	0.06	0.06	677.27	676.88	0.0040
D-3.1																														
35.25	0.00	35.25	Inlet B	0.42	0.42	0.60	0.25	0.25	10	100	7.60	1.92	1.92	1.92	18	RCP	0.0003	684.40	684.39	0.00	1.08	0.02	0.00	0.01	0.00	0.00	0.00	0.02	0.02	682.01	677.52	0.1270
D-3.2																														
6.35	0.00	6.35	Inlet A	0.84	0.84	0.60	0.50	0.50	10	100	7.60	3.83	3.83	3.83	18	RCP	0.0013	684.55	684.54	0.00	2.17	0.07	0.00	0.04	0.00	0.00	0.00	0.07	0.07	682.01	677.60	0.6930

BENCHMARKS

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RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

DRAINAGE CALCULATIONS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

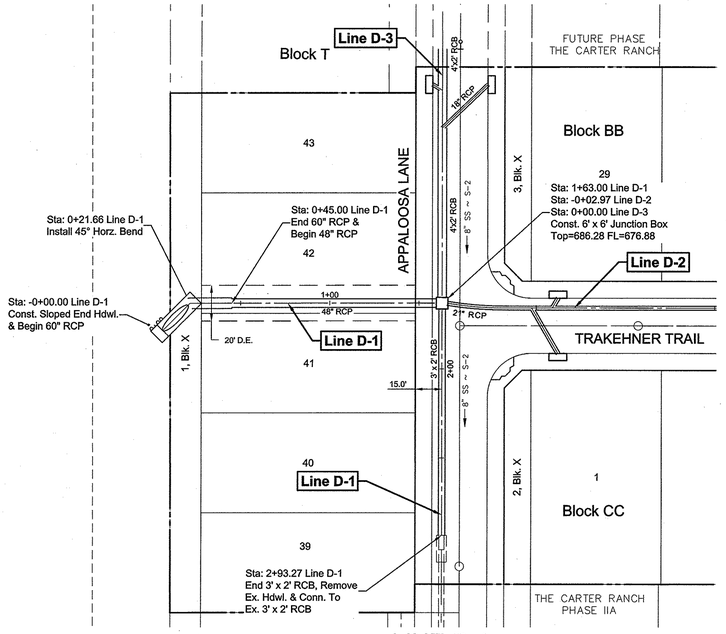
STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

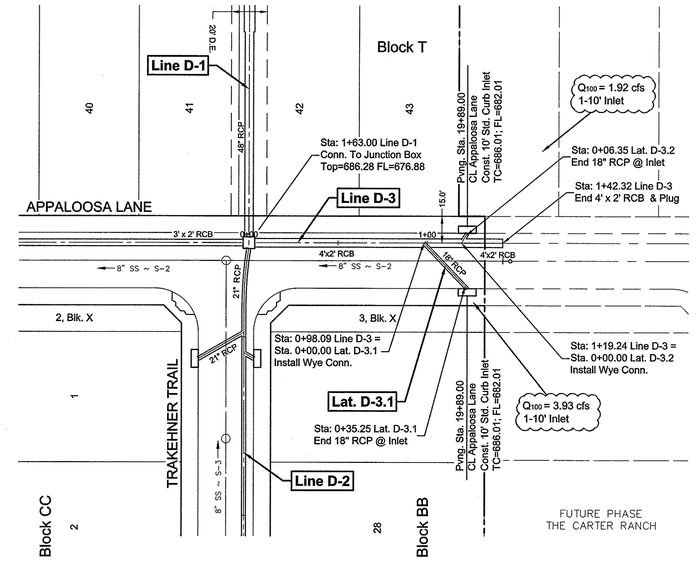
DATE: July 2011

SCALE: 1" = 40'H 1" = 6'V

PROJECT NO. 2009016.01

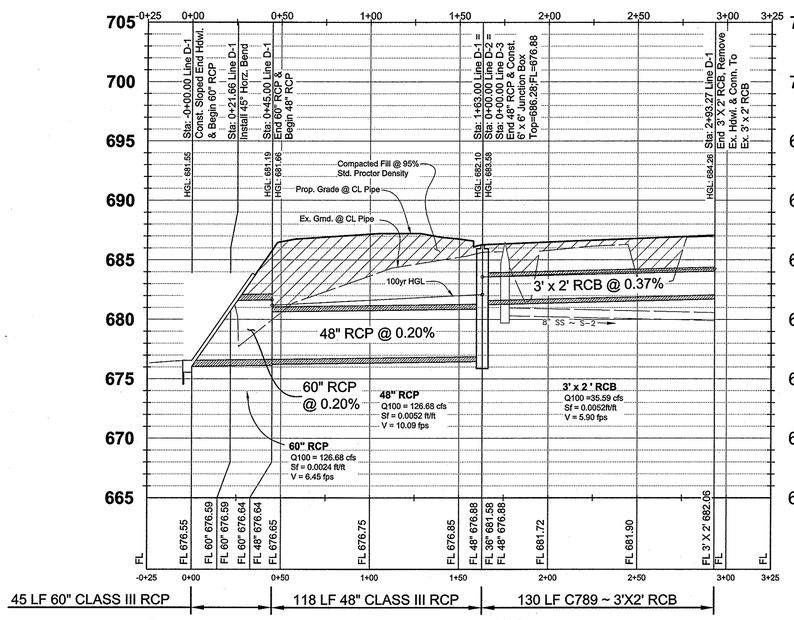


LINE D-1

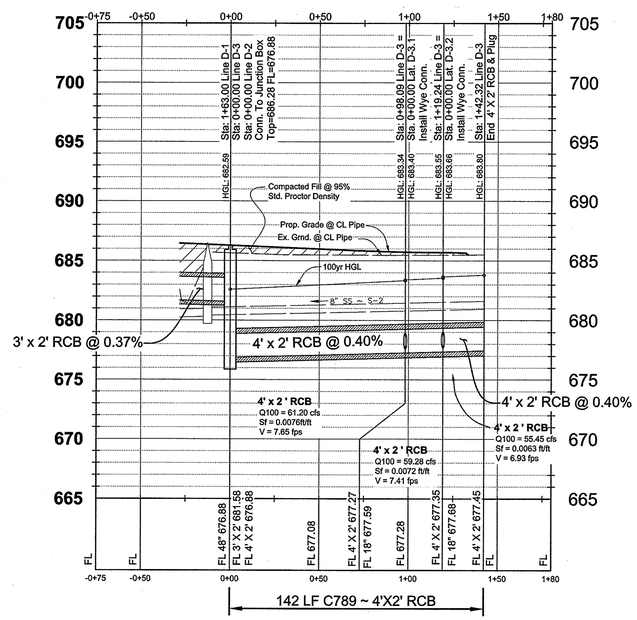


LINE D-3

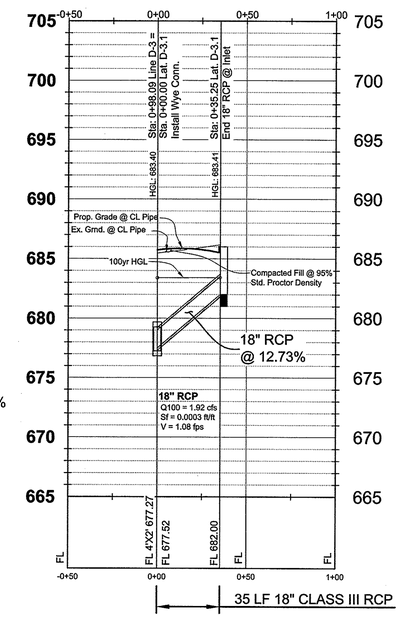
Profile View of D-1



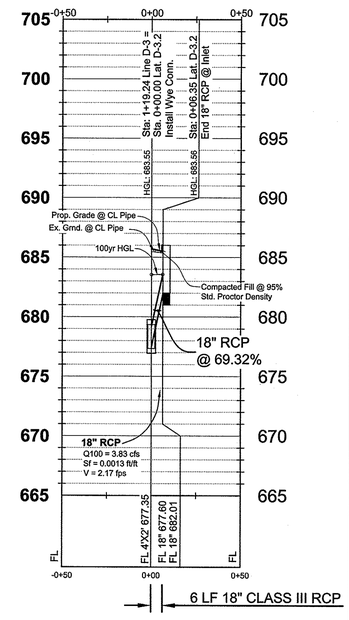
Profile View of D-3



Profile View of D-3.1



Profile View of D-3.2



BENCHMARKS

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GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STORM SEWER PLAN & PROFILE
LINES D-1 D-3
LATERALS D-3.1 & D-3.2

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED
PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE:
SHEET: 11 OF 27
PROJECT NO. 2009016.01

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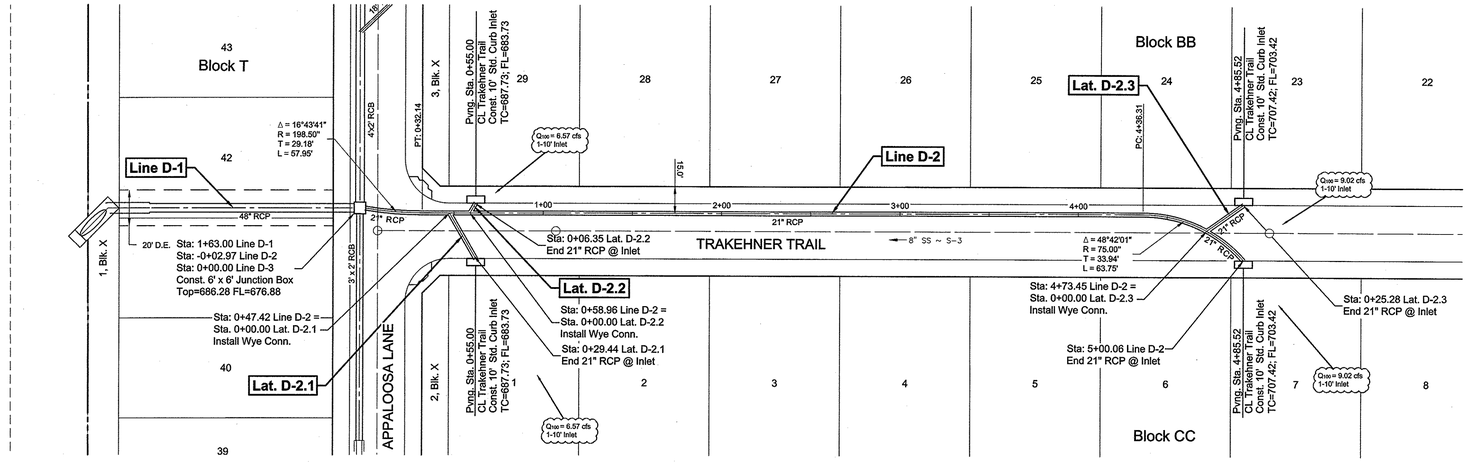
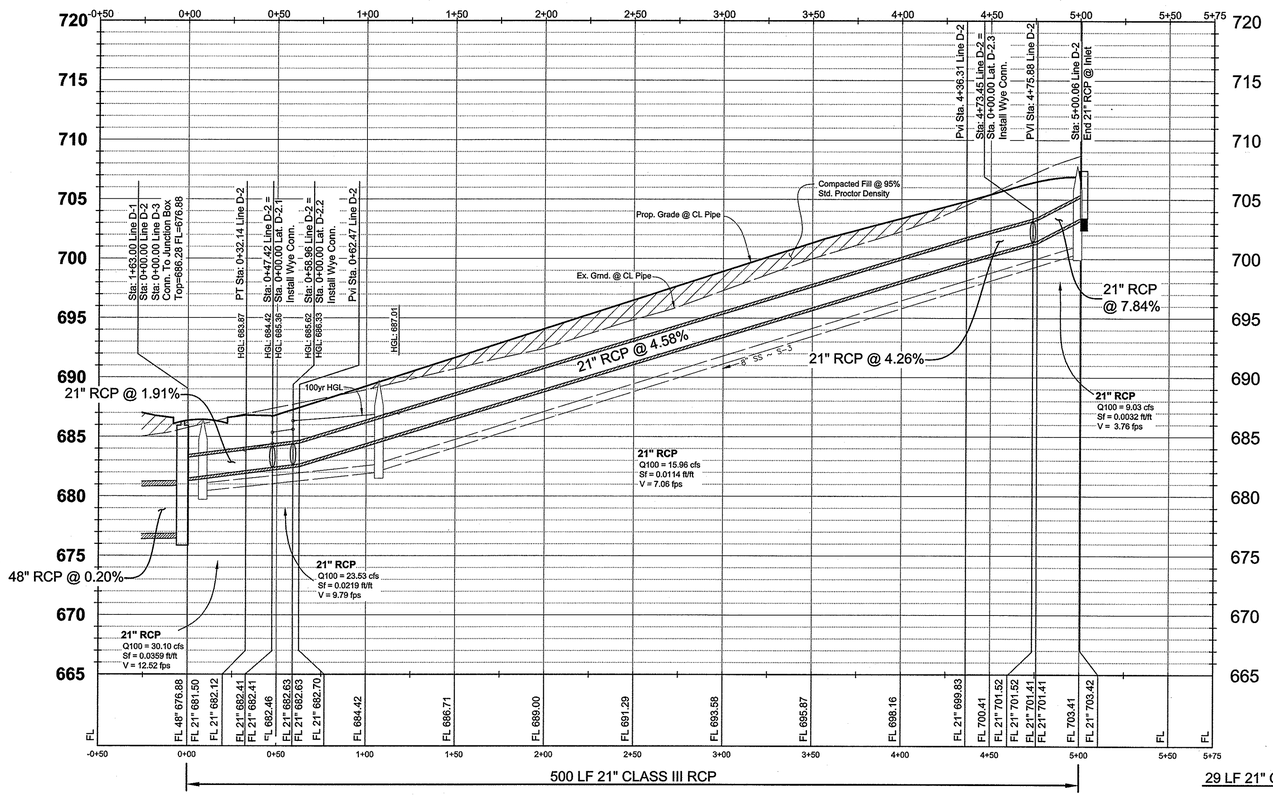
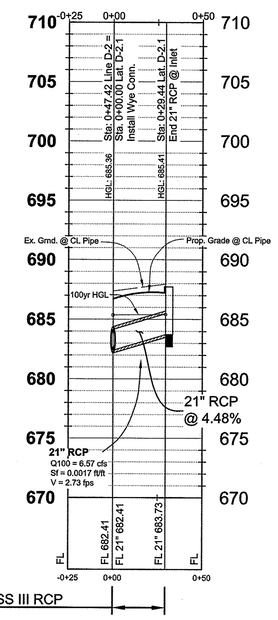


LINE D-2

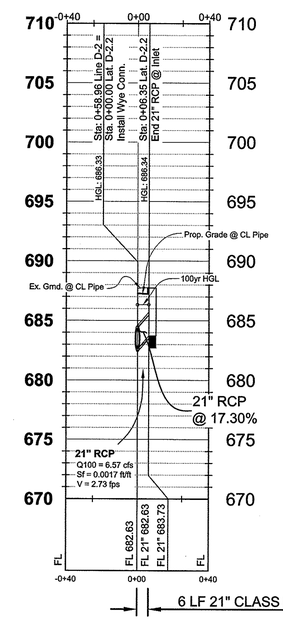
Profile View of D-2



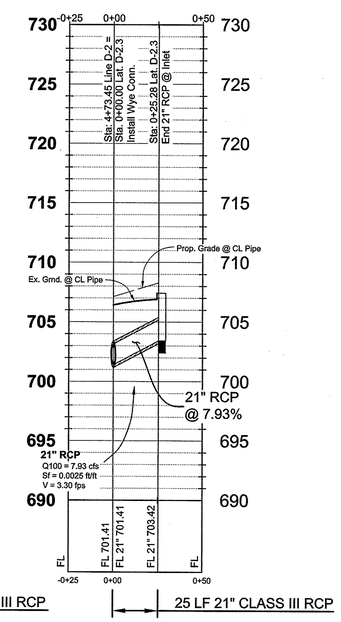
Profile View of D-2.1



Profile View of D-2.2



Profile View of D-2.3



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GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

STORM SEWER PLAN & PROFILE
LINE D-2
LATERALS D-2.1 D-2.2 & D-2.3

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE:

SHEET: 12 OF 27

PROJECT NO. 2009016.01

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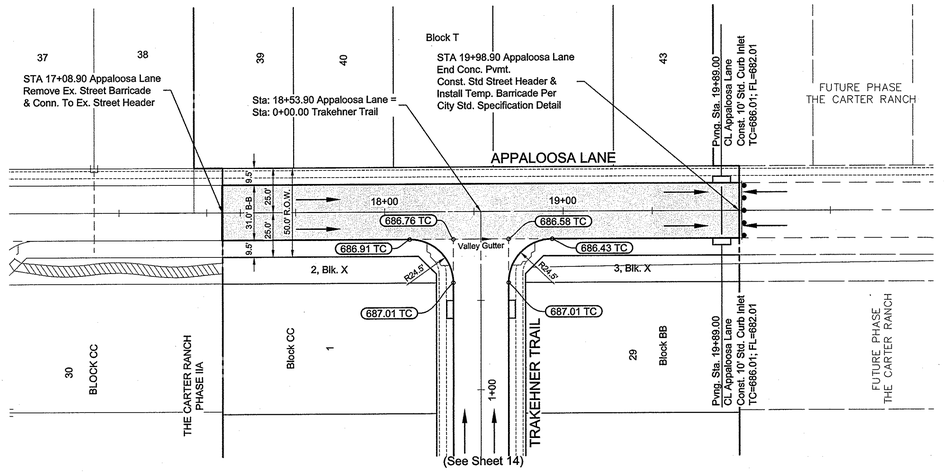

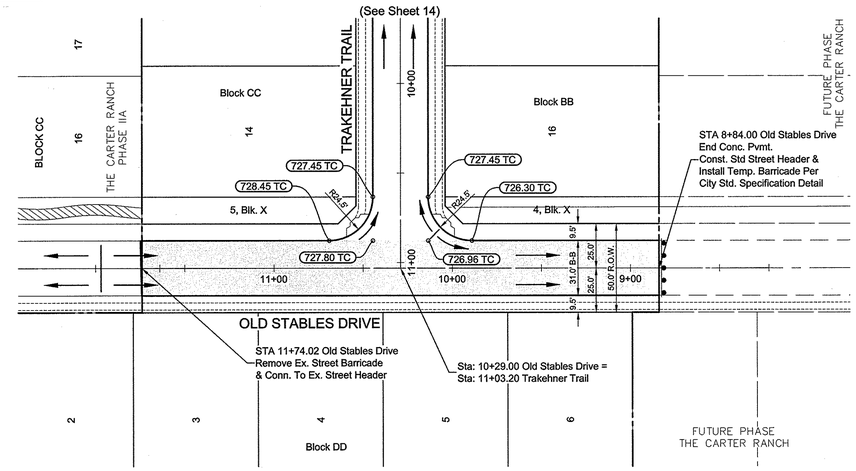

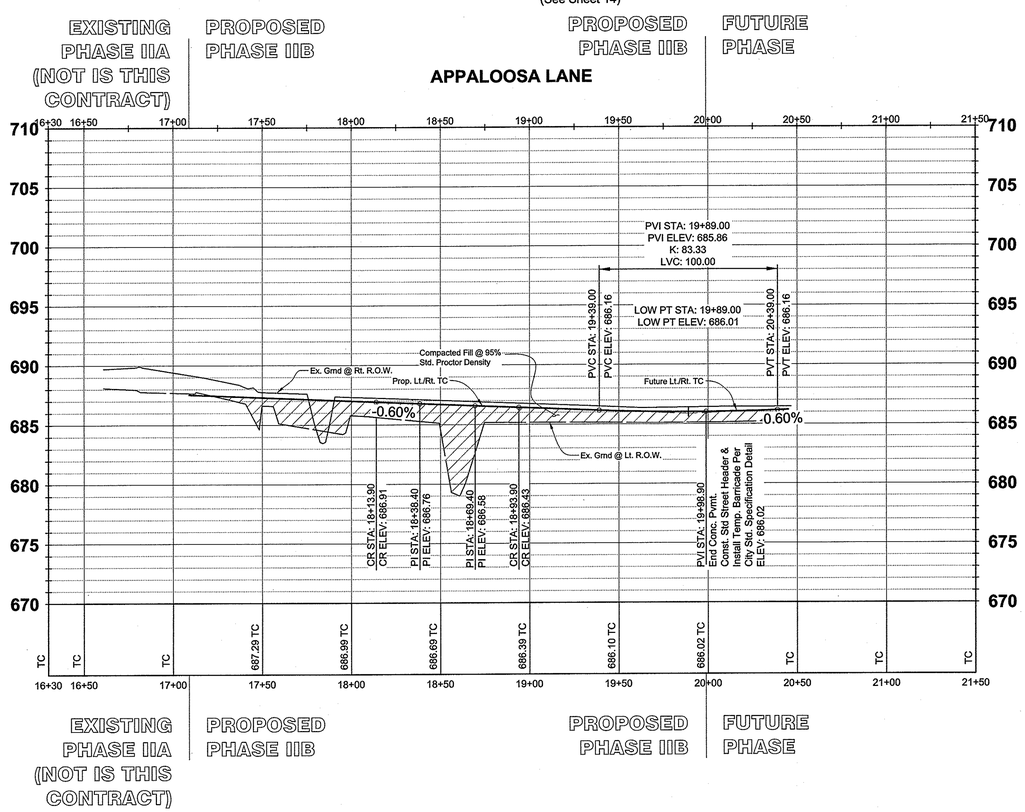

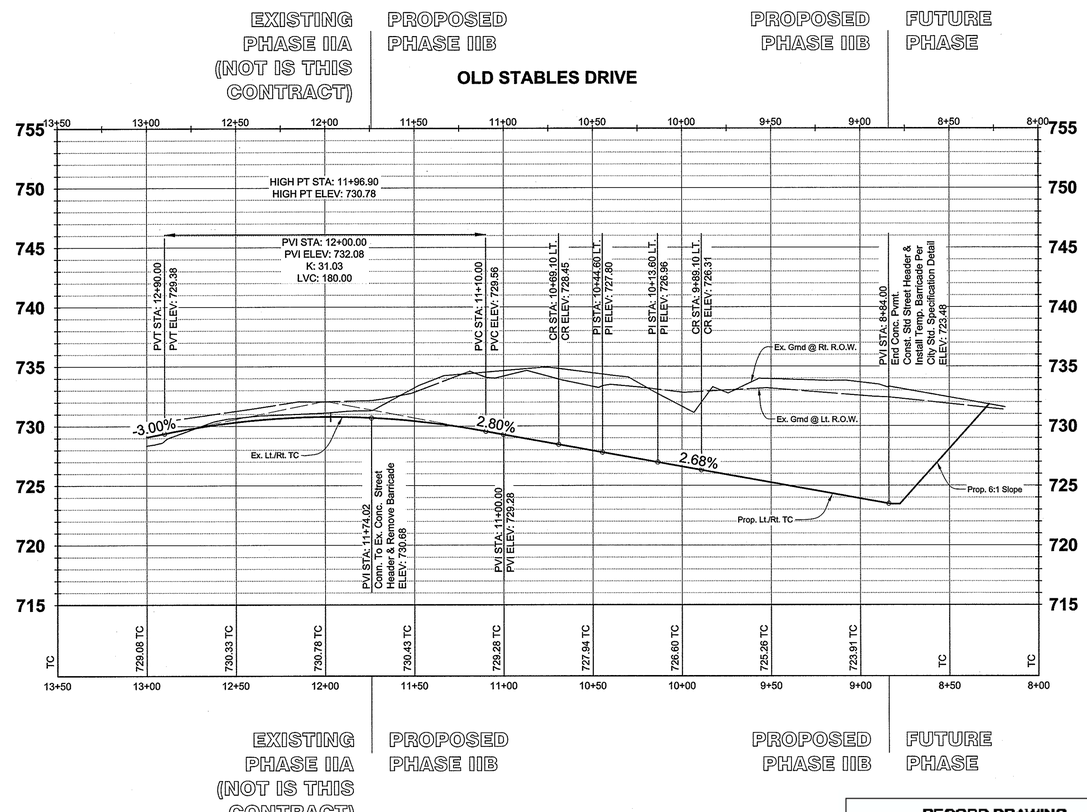

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RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

PAVING PLAN & PROFILE

APPALOOSA LANE & OLD STABLES DRIVE

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE: 1" = 40'H 1" = 6'V

SHEET: 13 OF 27

PROJECT NO. 2009016.01

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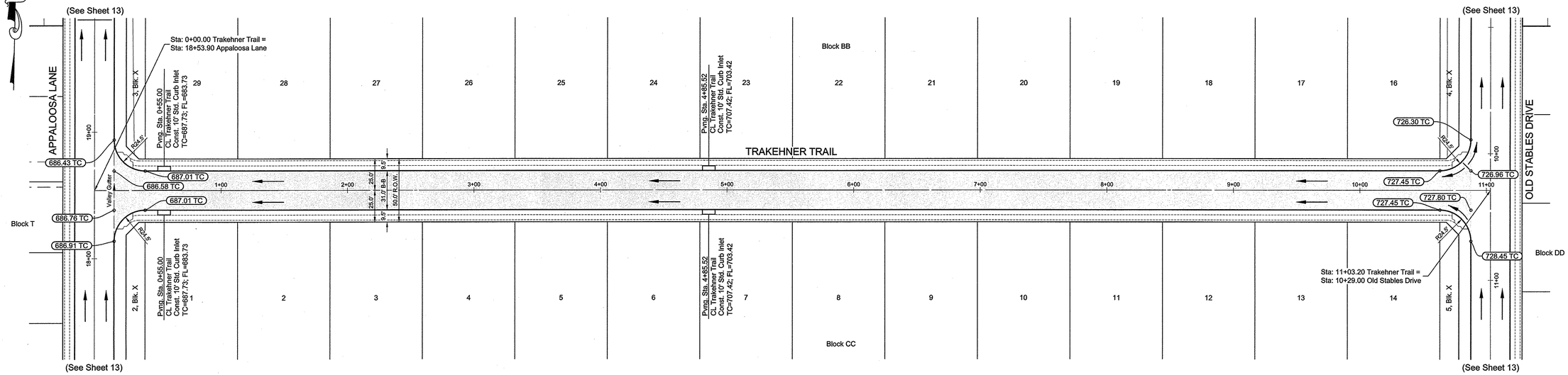
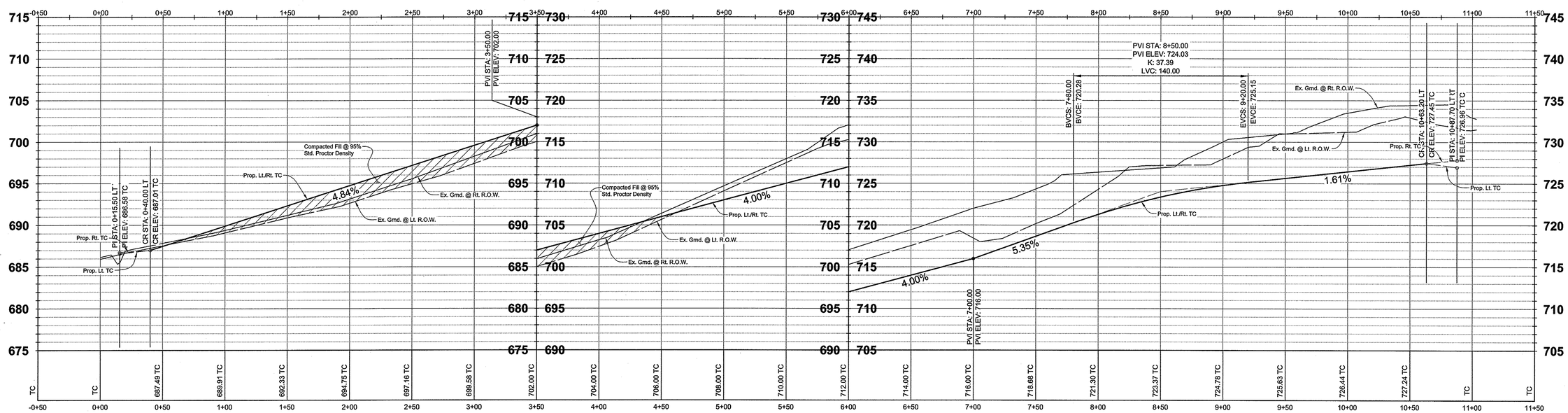


TRAKEHNER TRAIL



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(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

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Doug Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

PAVING PLAN & PROFILE

TRAKEHNER TRAIL

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1945
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE: 1" = 40'H 1" = 6'V

SHEET: 14 OF 27

PROJECT NO. 2009016.01

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RECORD DRAWING

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Doug Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

SIGNS & STREET LIGHT TABLE

SYMBOL	DESRIPTION	QTY.
☼	PROPOSED STREET LIGHT (SEE NOTE 5 BELOW)	3
☼	EXISTING STREET LIGHT	0
STOP	STOP SIGN	2
◀	STREET NAME (SEE NOTE 5 BELOW)	2

NOTES:

1. ILLUMINATION CONSTRUCTION TO BE COORDINATED WITH FEC/TXU ELECTRIC DELIVERY (BRIAN GREEN), PRIOR TO CONSTRUCTION.

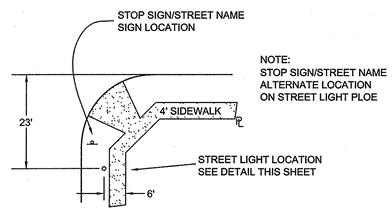
2. LIGHT SOURCE HPS LAMP SIZE AND WATT IS 200 AND MOUNTING HEIGHT IS 32'.

3. AVERAGE ILLUMINATION INTENSITY IS 0.6 TO 0.9 FOOT CANDLES.

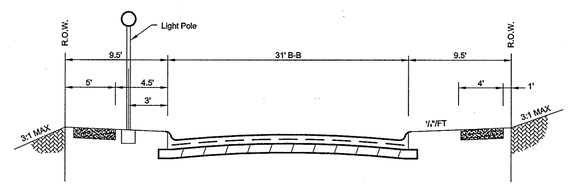
4. WHERE LIGHT POLE IS LOCATED MID BLOCK, IT SHALL BE PLACED ON PROPERTY LINE TO AVOID INTERFERENCE WITH POTENTIAL DRIVEWAY LOCATION.

5. WHERE LIGHT POLE AND STOP SIGN ARE PROPOSED ON THE SAME CORNER, STOP SIGNS AND STREET SIGNS SHALL BE MOUNTED TO LIGHT POLE.

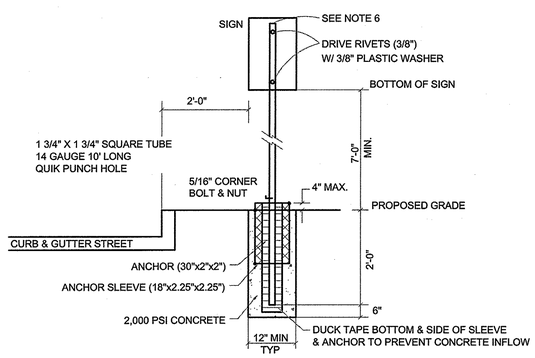
6. IF THERE IS A AMENITY CENTER LIGHTING PLAN IT WILL BE DESIGNED BY OTHERS.



TYPICAL LAYOUT



TYPICAL STREET LIGHT LOCATION
N.T.S.



SIGN POST DETAIL
NTS

Celina Street Sign Example

Street Name: 9" initial uppercase letter followed by 4.5" lowercase letters
Must meet 2009 (or latest) MUTCD requirements
9" flat blank, high intensity prismatic.

Front:
(Left to Right)

Back:
(Left to Right)

STREET NAME BLADE SPECIFICATION

Location:
- 9" flat blades shall be used at all intersections within the interior of the subdivision.
- 9" extruded blades shall be used at intersections where a subdivision roadway intersects a roadway designated as a major or minor thoroughfare and at all other intersections along major and minor thoroughfares.

Blade Requirements:
- 9" Flat Blade shall be aluminum and have a thickness of 0.08 inches.
- 9" Extruded Blade shall be aluminum.

Lettering Alignment:
- Street name is left justified - Block numbers are located upper right comer.
- Abbreviated street designations are located in lower right comer.

Lettering for 9" Extruded Blades:
- Letters are all Uppercase. - Font is Federal Highway SERIES B or Series C (manufacturer will determine best to use based on length of blade and length of name).
- Letters and Numbers in street name are 6" tall.
- Letters in abbreviated street designation are 3" tall (i.e., LN, PKWY, DR, CT, etc).
- Block Numbers are 3" tall.

Sign Sheeting and Colors:
- High Intensity Sheeting.
- Background shall be green.
- Legend shall be white.

No Outlet Streets:
- The letters "NO OUTLET" shall be black uppercase letters on a yellow background.
- The word "NO" shall be centered over the word "OUTLET".
- On 9" flat blades, the font is Federal Highway SERIES B with 1.5" letters.
- On 9" extruded blades, the font is Federal Highway SERIES B with 2.5" letters.
- An arrow pointing in the direction of the no outlet locations shall be below the words "NO OUTLET".
- For a street with only one cul-de-sac end (typical), one side of the blade shall have "NO OUTLET" on the right with the arrow pointing to the right while the opposing side of the blade shall have the "NO OUTLET" on the left with the arrow pointing to the left.
- In the case of a street with two cul-de-sac ends, each side of the blade shall have the words "NO OUTLET" on the right with an arrow pointing to the right and the words "NO OUTLET" on the left with an arrow pointing to the left.

BENCHMARKS

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GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS

STREET LIGHT & SIGN PLAN

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED
PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
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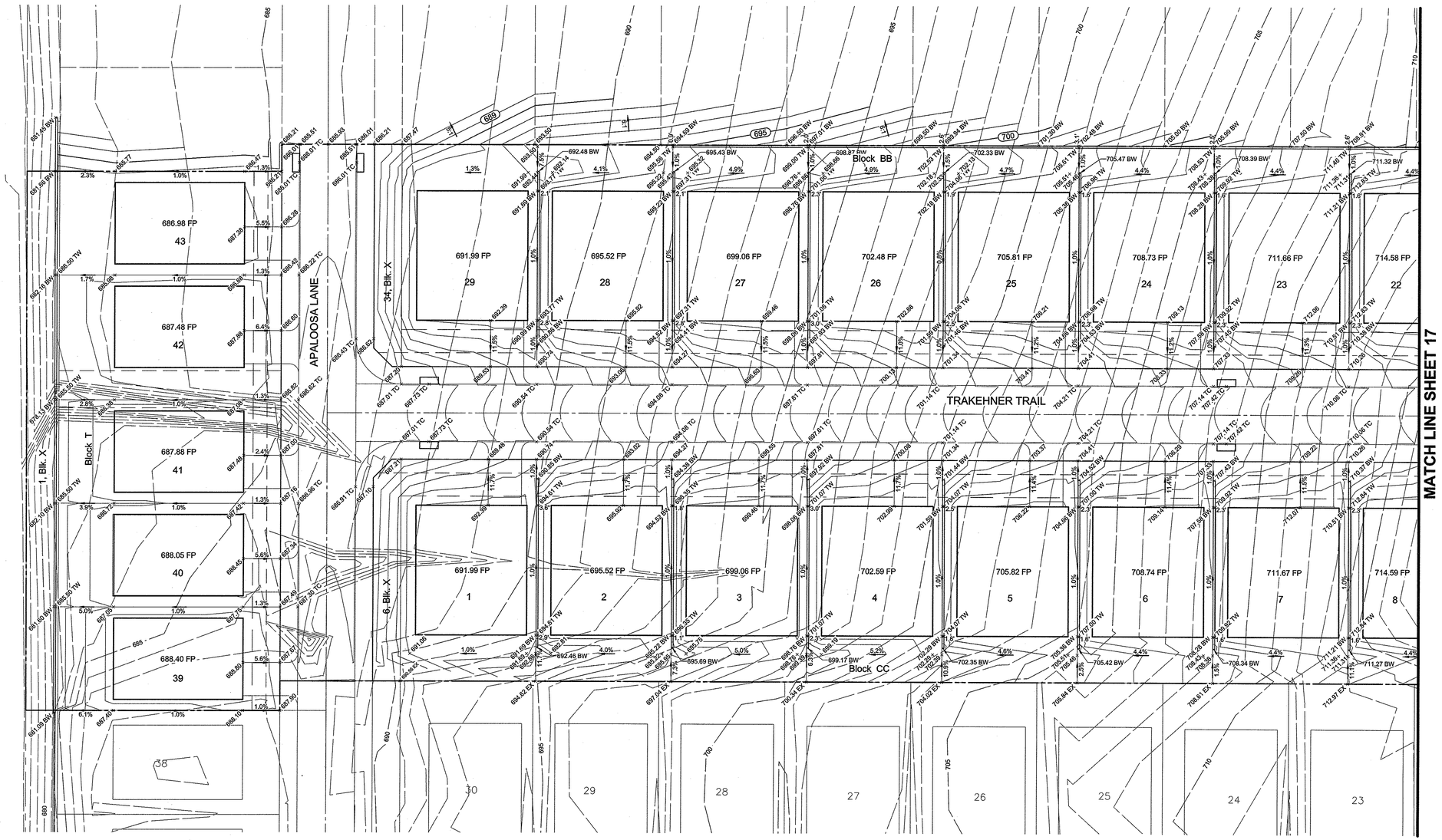
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: 1" = 60'
SHEET: 15 OF 27
PROJECT NO. 2009016.01

P:\Sidekange\2009016.01\Dwg\1-2009016_01 StreetSign.dwg, 7/7/2011 4:04:39 PM, James Gardella



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CM #5 = Concrete monument with 5/8 inch iron rod with cap stamped "Huitt-Zollars" at the Southeast corner of the intersection of State Highway 289 and County Road 88, located approximately 45' feet South of the centerline of County Road 88 and 112' feet East of the centerline of State Highway 289 Elevation = 681.76' feet

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR. ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

Notes:

1. Builder will be responsible for building retaining walls along lot lines that are 2.0' or less in height.
2. See sheet 19 for construction entrance and silt fence construction.

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS
GRADING PLAN

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE:	July 2011
SCALE:	1" = 30'H
SHEET:	16 OF 27
PROJECT NO.	2009016.01

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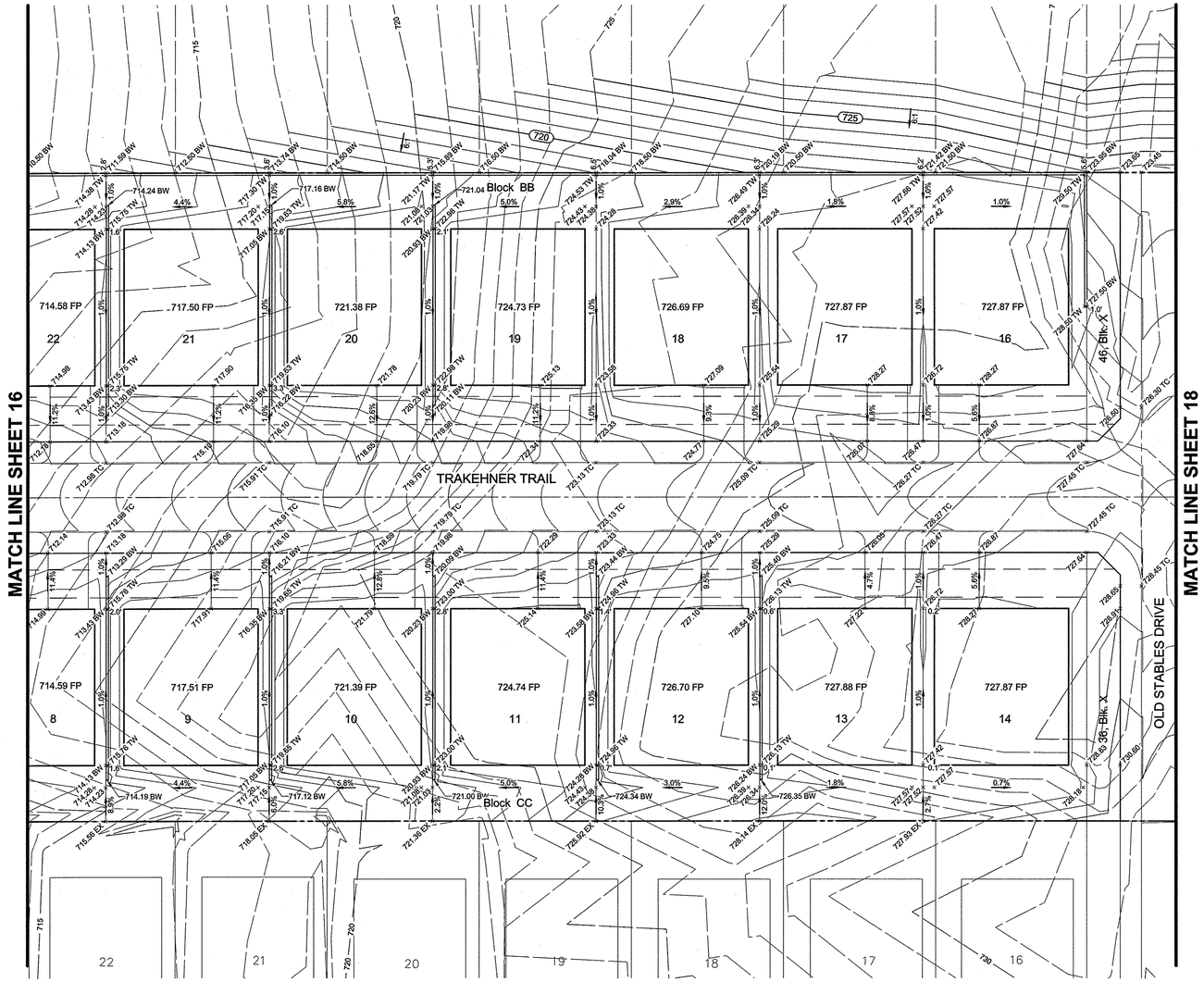

BENCHMARKS

TBM #1= Centerline of existing sanitary manhole at the centerline intersection of Appaloosa Lane and Equine Lane located in "The Carter Ranch Phase IIA". Elevation = 687.57'feet

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(IN FEET)
1 inch = 30 ft.

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DATE: December 4, 2012

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DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: 1" = 30'H
SHEET: 17 OF 27
PROJECT NO. 2009016.01

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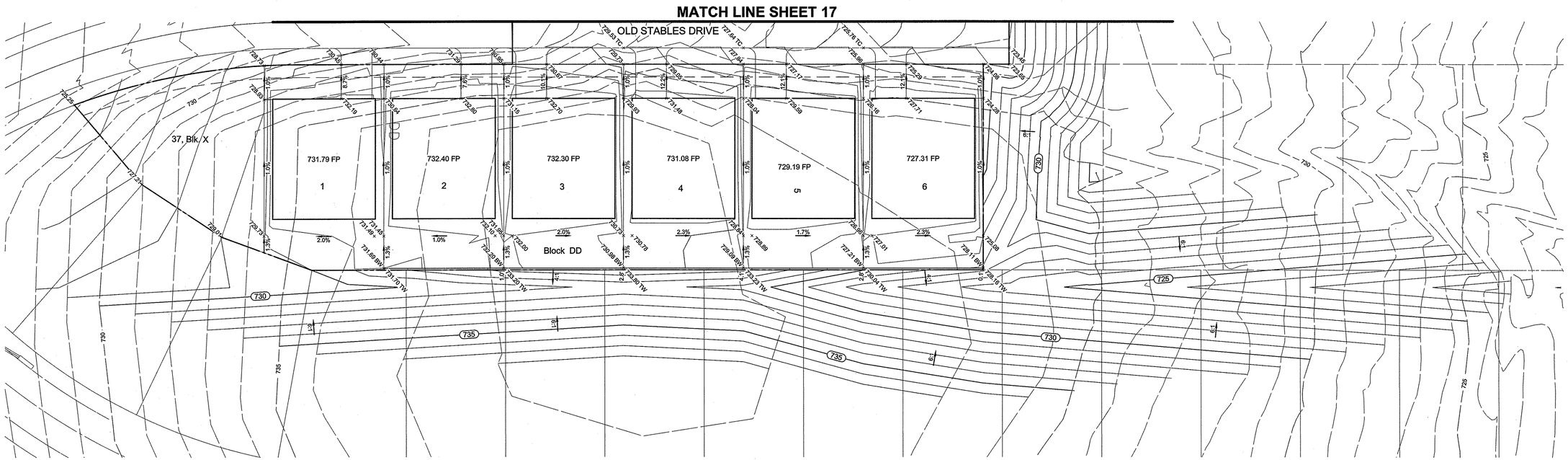

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(IN FEET)
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USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

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REV	DESCRIPTION	DATE

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DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE: 1" = 30'H

SHEET: 18 OF 27

PROJECT NO. 2009016.01

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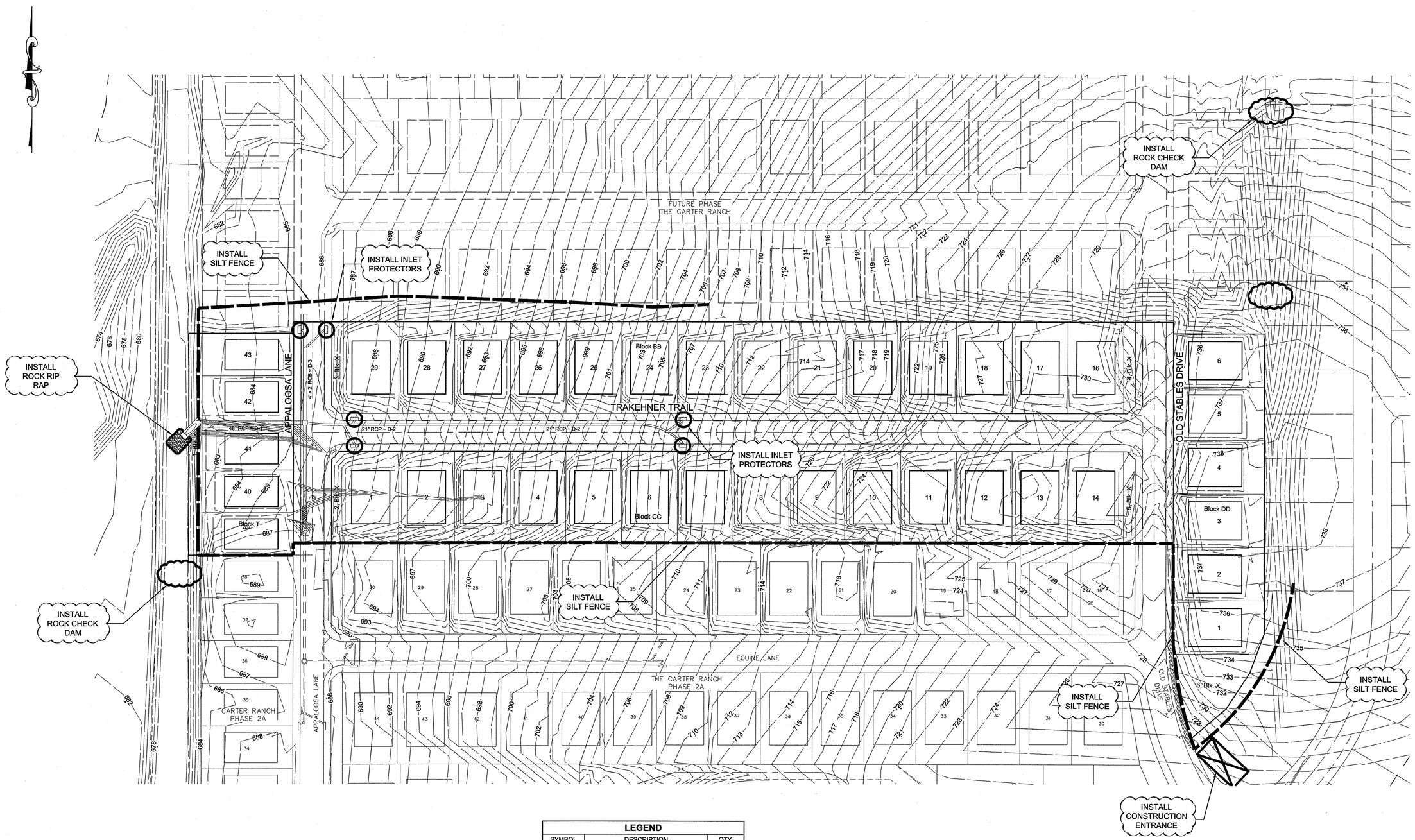

LEGEND

SYMBOL	DESCRIPTION	QTY.
○	INLET PROTECTION	6
⊠	CONSTRUCTION ENTRANCE	1
⬭	STONE OVERFLOW STRUCTURE	3
———	SILT FENCE TO BE INSTALLED WITH WELDED WIRE BACKING ON T-POSTS WITH WIRE TIES	2821 LF

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

BENCHMARKS

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USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

EROSION CONTROL PLAN

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1945
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: 1:60_XREF
SHEET: 19 OF 27
PROJECT NO. 2009016.01

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SITE DESCRIPTION

This Storm Water Pollution Prevention Plan (SWPPP) has been prepared for site development construction activities as shown on the following pages. The intent of this plan is to control storm water discharges and certain non-storm water discharges associated with site development construction. It is anticipated the following non-storm water discharges may be associated with the construction activities. Each of the following discharges are authorized by the Construction General Permit and are specified herein and made a part of this SWPPP.

1. Waters used to wash vehicles or control dust.
2. Waterline flushings.
3. Fire Hydrant flushings.
4. Irrigation drainage.
5. Routine pavement washdowns where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used.
6. Routine external building washdowns which do not use detergents.
7. Air conditioning condensates.
8. Foundation or footing drains where flows are not contaminated with process materials such as solvents.

If the Contractor anticipates or experiences any other non-storm water discharges, he shall contact the Engineer of Record to discuss the need for control measures and possible revisions to this SWPPP.

The runoff coefficient of the site after construction is complete is estimated as _______ per the CITY OF CELINA drainage design criteria. The soils at this site are generally _____, per the soils report prepared by _____________, dated _______. Storm water from this site discharges into _______________. There are no wetland areas in the disturbed areas covered by this plan according to the U.S. Army Corps of Engineers, Fort Worth office The total site area is _______acres. It is anticipated that ______ acres will be disturbed during the construction activities.

EROSION CONTROL GENERAL NOTES

1. Disturbed areas where construction has permanently or temporarily ceased must be stabilized within 14 days of the last disturbance. Area which will be redisturbed within 21 days need not be stabilized.
2. Erosion control measures will be actively maintained until final stabilization of the disturbed area. If erosion control measures are removed for construction or access purposes, Contractor shall replace all items at the end of each work day.
3. After installation of pavement, final lot benching and general cleanup, all disturbed areas shall be hydromulched or cultipack seeded. See seeding specifications this sheet.
4. Erosion control measures require maintenance, cleaning and replacement as required. Erosion control measures will be inspected at least once every seven days and within 24 hours of a rainfall one-half inch or greater by an Agent designated by the Operator and a written report shall be maintained.
5. Excavated trenches and utility spoils shall be backfilled or stockpiled at the end of each day.
6. Stockpiled materials shall be surrounded by silt barrier fence or hay bales per the attached details. Alternate: small stockpiled areas may be covered by a water repellent tarp or plastic as approved by the Operator.
7. Soils in parkways to be chain harrowed or chain dragged prior to seeding. After seeding, parkways to be maintained until a stand of grass has been accomplished and approved by the City.

INSTALLATION SEQUENCE

PHASE 1 (Initial Grading) Initial installation of silt fence shall be installed prior to clearing the site for establishing rough grades. Installation of silt fence and stone overflow shall be preserved by the excavation contractor. If during the course of clearing and excavation, the excavation contractor destroys or moves these facilites, then it shall be the responsibility of the excavation contractor to replace the facilities to the state in which he found them when he mobilized.

PHASE 2 (Utility Install) If required, installation of silt fence or stone overflow, as shown, shall be installed prior to the construction of any drainage facilities and after inlet bottoms are poured. It shall be the utility contractor's responsibility to preserve and/or replace any facilities previously installed during PHASE 1 if destroyed.

PHASE 3 (Paving) Curlex shall be installed after the paving contractor has backfilled all street curbs. The paving contractor shall be responsible for preserving and/or replacing any previously installed facilities which are destroyed as a result of constructing any and all paving facilities.

PHASE 4 (Final Grading) All disturbed areas shall be seeded by others after the excavation contractor has completed the final lot benching of each lot within this development.

* All proposed stormwater pollution prevention devices shall be installed by a qualified contractor and shall be paid for per a unit price contract.

OTHER NOTES

1. Solid non-hazardous construction waste shall be disposed of in trash dumpsters or approved equal, in a location approved by the operator. Potentially soluble or leachable solid waste shall be stored off the ground and in covered leak-proof containers. Solid waste shall be properly disposed of off-site on a regular basis.
2. Hazardous waste shall be segregated from non-hazardous construction site debris. Liquid or semi-liquid hazardous waste shall be stored in appropriate containers (closed drums or similar) and shall be kept under cover. Granular, soluble or leachable hazardous waste materials shall be stored off the ground and in covered leak-proof containers. Hazardous waste storage area locations shall be properly approved of by the Operator. Hazardous waste shall be properly disposed of off-site on a regular basis by a reputable, licensed hazardous waste hauler.

   Note: It is not the intent of this SWPPP to supersede or replace normal site assessment and remediation procedures concerning hazardous materials. Significant spills and/or contamination warrant immediate response by trained professionals. Suspected job site contamination should be immediately reported to regulatory authorities and protective actions taken.
3. Fresh concrete waste and concrete equipment washdowns shall be contained in an area approved by the operator. Contractor shall ensure that adequate vegetative buffer is present around concrete disposal areas.
4. All waste materials shall be stored away from drainage ditches, swales and drainage structures. Where appropriate, containment berms shall be placed around waste storage areas.
5. Contractor shall take appropriate measures to control dust generated during construction activities.
6. Contractor shall construct appropriate entryways to prohibit the tracking of dirt and debris off-site.
7. A centrally located port-a-pot shall be placed and maintained on the project site at all times during construction activities.
8. Equipment maintenance, repair and washdowns shall be performed off-site or in locations approved by Operator.
9. A copy of this SWPPP shall be kept on-site for the entire construction period. The NOI associated with this SWPPP shall be properly displayed on-site for the entire construction period.
10. A Notice of Termination (N.O.T.) shall be filed for this project upon City acceptance of the project and after final stabilization has been achieved and the responsibility for continued Storm Water Management/Erosion Control shall become that of the builder, city, or other appropriate entity responsible for any applicable construction activity in the future.
11. Complete inspection records pertaining to this NOI and SWPPP must be maintained by the Operator for a period of three (3) years following final stabilization.

BMP MAINTENANCE SCHEDULE		
BMP	MAINTENANCE FREQUENCY	BY:
TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER
ROCK CHECK DAM	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER
SILT FENCE	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER
INLET PROTECTION	WEEKLY AND AFTER RAIN STORM EVENTS	OWNER

SEEDING SPECIFICATIONS

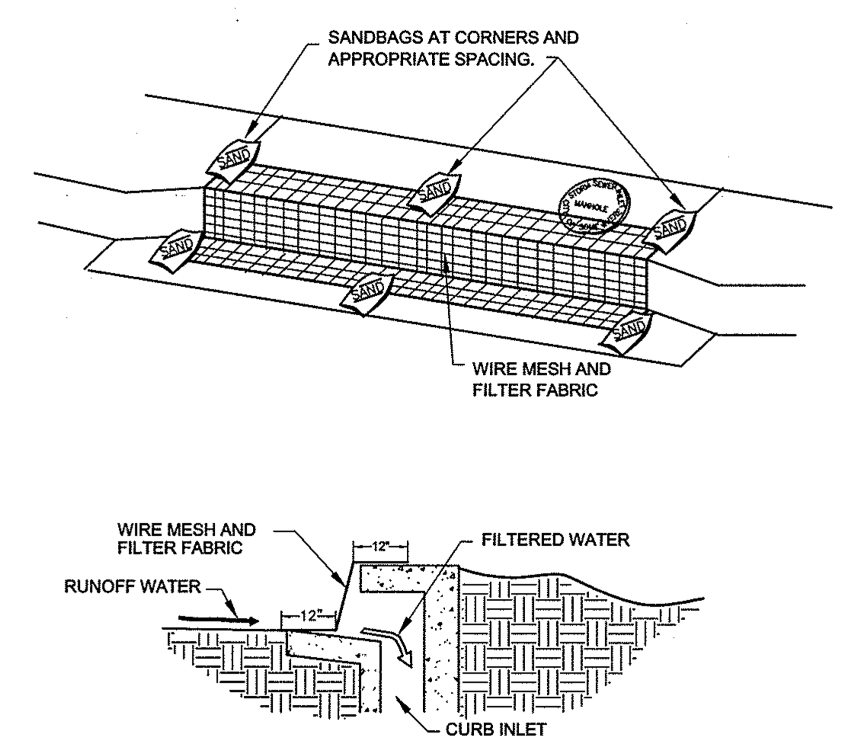
CULTIPACK SEEDING SPECIFICATIONS

Winter Rye Seed (Fall & Winter)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
Common Bermuda Seed (Spring & Summer)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
17/17/17 Fertilizer	380 lb/acre	(9 lbs/1000 sq. ft.)

HYDROMULCH SEEDING SPECIFICATIONS

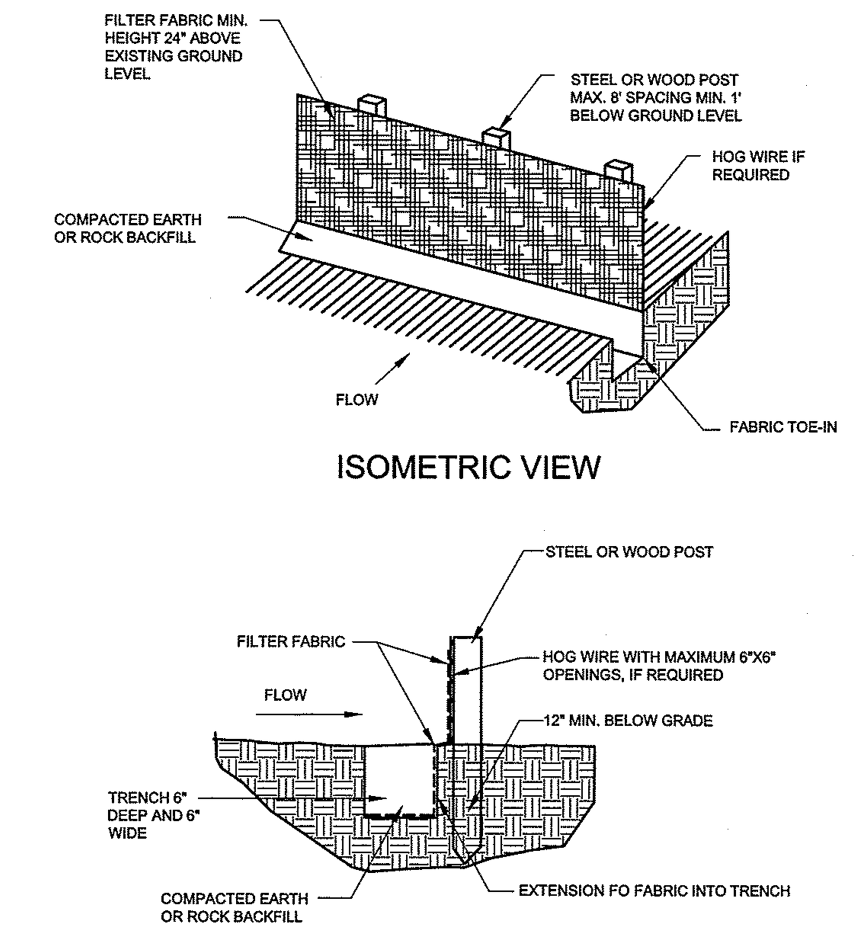
Winter Rye Seed (Fall & Winter)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
Common Bermuda Seed (Spring & Summer)	65 lb/acre	(1.5 lbs/1000 sq. ft.)
17/17/17 Fertilizer	380 lb/acre	(9 lbs/1000 sq. ft.)
Wood Cellulose Mulch Fiber	2000 lb/acre	(50 lbs/1000 sq. ft.)
Biodegradable Tacifier	65 lb/acre	(1.5 lbs/1000 sq. ft.)

Note: Soil to be seeded shall be chain harrowed or chain dragged prior to seeding. After seeding, these areas shall be maintained until grass is established and approved by Operator.



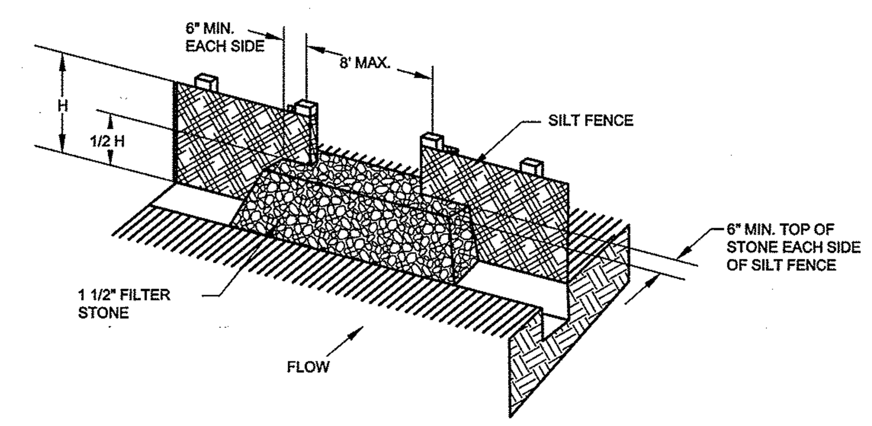
SEDIMENT BARRIIER AT INLETS OR APPROVED EQUALSTONE OVERFLOW STRUCTURE

N.T.S.



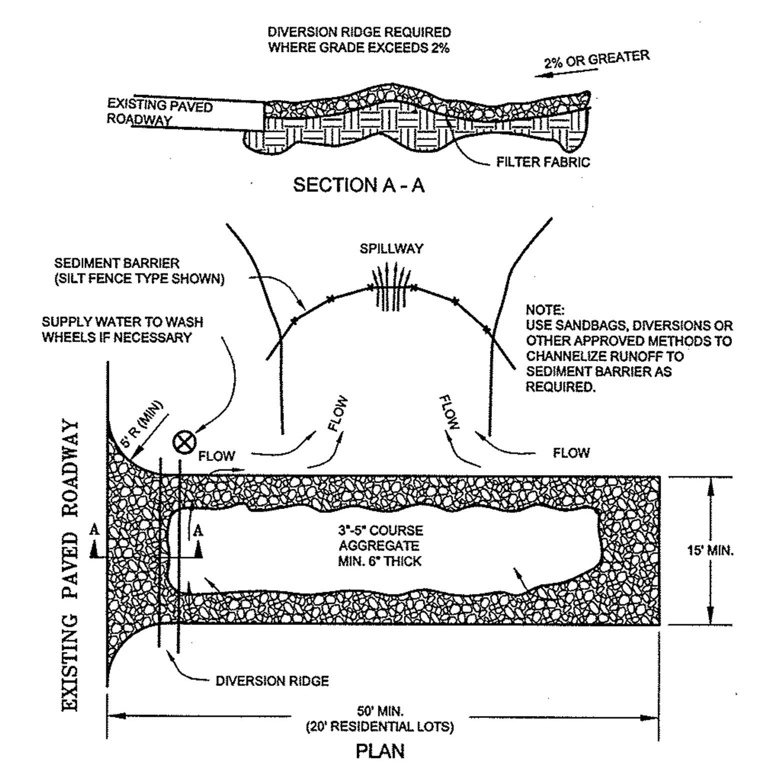
SILT FENCE

N.T.S.



STONE OVERFLOW STRUCTURE

N.T.S.



TEMPORARY STONE CONSTRUCTION ENTRANCE / EXIT

RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

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CITY OF CELINA, COLLIN COUNTY, TEXAS

EROSION CONTROL DETAILS

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(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE: NOT TO SCALE

SHEET: 20 OF 27

PROJECT NO. 2009016.01

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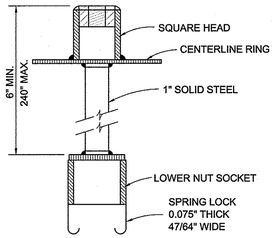
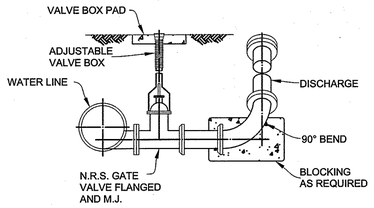
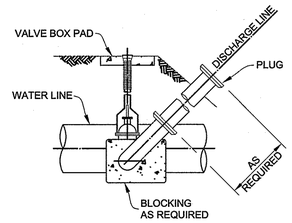


SPRING LOCK VALVE EXTENSION

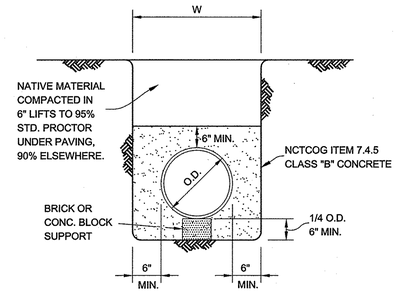
NO SCALE





BLOW OFF VALVE

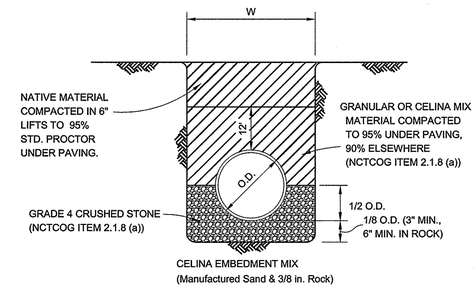
NO SCALE



CLASS G EMBEDMENT

CONCRETE ENCASEMENT

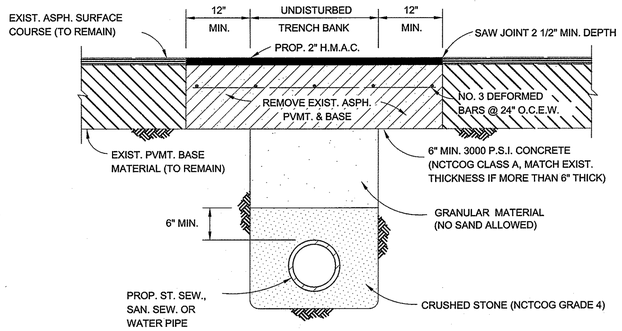
NO SCALE



CLASS B+ EMBEDMENT

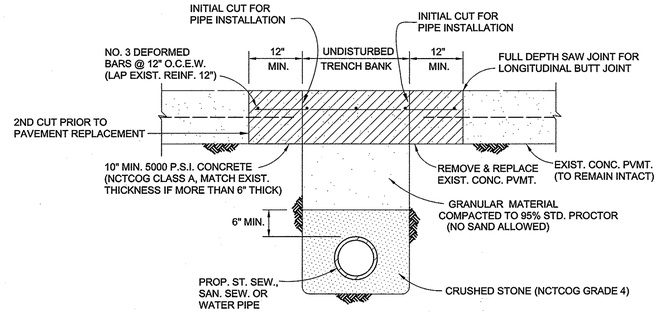
STD PVC WATER

NO SCALE



ASPHALT STREET REPAIR

NO SCALE



CONCRETE STREET REPAIR

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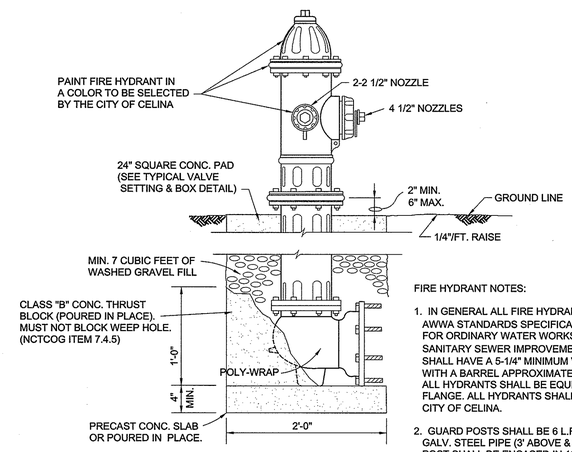
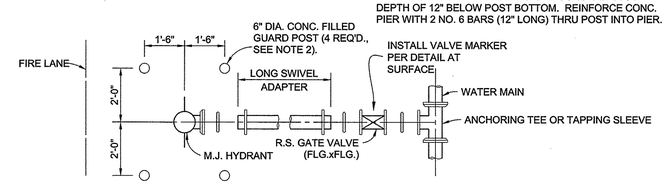


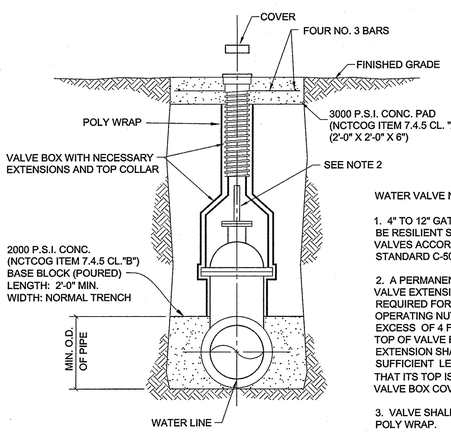
FIRE HYDRANT NOTES:

1. IN GENERAL ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARDS SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE FOR WATER AND SANITARY SEWER IMPROVEMENTS. FIRE HYDRANTS SHALL HAVE A 5-1/4" MINIMUM VALVE OPENING AND WITH A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. ALL HYDRANTS SHALL BE APPROVED BY THE CITY OF CELINA.
2. GUARD POSTS SHALL BE 6 L.F. OF 6" DIA. HOT DIPPED GALV. STEEL PIPE (3' ABOVE & BELOW GROUND LEVEL). POST SHALL BE ENCASED IN 16" DIA. CONC. PIER TO A DEPTH OF 12" BELOW POST BOTTOM. REINFORCE CONC. PIER WITH 2 NO. 6 BARS (12" LONG) THRU POST INTO PIER.



TYPICAL FIRE HYDRANT INSTALLATION

NO SCALE



WATER VALVE NOTES:

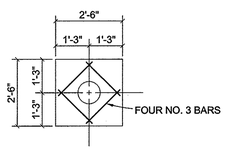
1. 4" TO 12" GATE VALVE SHALL BE RESILIENT SEATED WEDGE GATE VALVES ACCORDANCE WITH AWWA STANDARD C-509.

2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHOSE OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4" OF THE VALVE BOX COVER.

3. VALVE SHALL BE WRAPPED IN POLY WRAP.

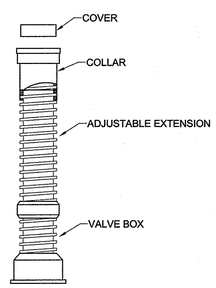
VALVE SETTING & BOX

NO SCALE



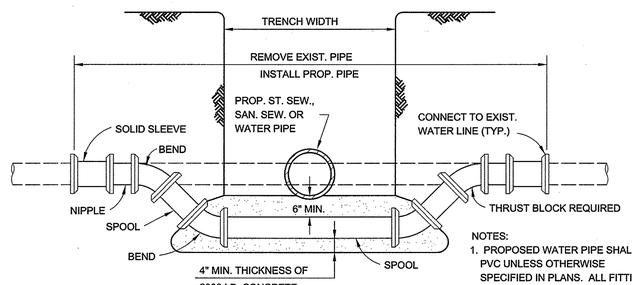
VALVE BOX PAD PLAN

NO SCALE



VALVE BOX WITH EXTENSION

NO SCALE



NOTES:

1. PROPOSED WATER PIPE SHALL BE PVC UNLESS OTHERWISE SPECIFIED IN PLANS. ALL FITTINGS SHALL BE DUCTILE IRON (M.J.-P.E.) MEGALUG.
2. PROPOSED PIPING & FITTINGS ARE SYMMETRIC ABOUT CENTER OF PROP. SAN. SEW. OR ST. SEW. PIPE AND SHALL RETAIN TEST PRESSURES.
3. ALL THRUST BLOCKING SHALL BE SUBSIDIARY TO UNIT PRICE.
4. CROSSING OF SANITARY SEWER SHALL BE IN ACCORDANCE WITH T.N.R.C.C. REQUIREMENTS. (CHAPTER 317.13 APPENDIX E)

WATER MAIN LOWERING

NO SCALE

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

CITY OF CELINA, TEXAS

WATER DISTRIBUTION SYSTEM

STANDARD DETAILS

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

WATER DETAILS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED
PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS
REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011

SCALE: NOT TO SCALE

SHEET: 21 OF 27

PROJECT NO. 2009016.01

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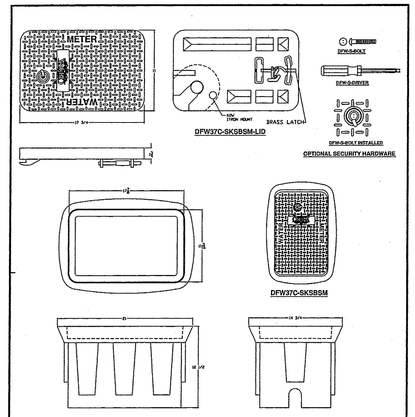


NOTES
1) DIM'S ± 1/8 U.N.O.
2) SNAP LOCK POCKET WILL RECEIVE 1-IRON EXT. SNAP LOCK SLOT IS 1.80" ± .015" TO ALLOW FOR A FINGER FORCE INSTALL. POCKET HEIGHT IS 15/16 FOR MIN 1/8" AIR GAP.
3) IF TOUCH PAD IS REQ'D USE A HAMMER AND HIT THE KNOCK OUT SLUG TO MAKE 1 7/8"ø

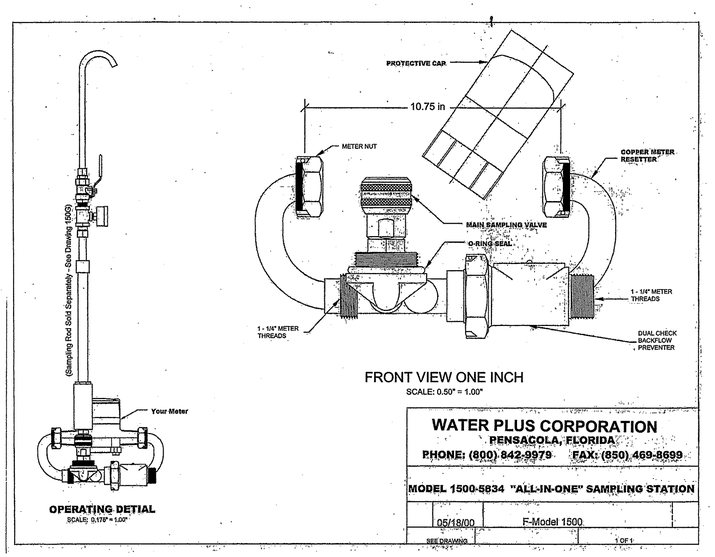
DFW PLASTICS, INC.
1001 JONES RD.
FORT WORTH, TX. 76179
(817) 439-3600
(817) 439-3700 (f)
www.dfwplasticsinc.com

CITY OF CELINA

DFW 37C-SKSBSM
SINGLE 3/4" OR 1" PLASTIC WATER METER BOX

FILE NAME: CITY OF CELINA - DFW37C-SKSBSM.dwg
UPDATED: 01/28/08
DRAWN BY: J.C.A.
SCALE: 1:8

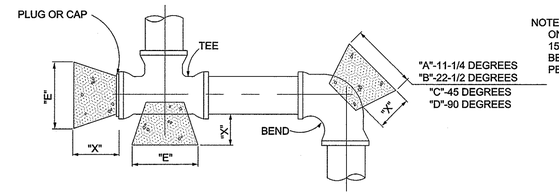
LOCATION OF SAMPLE STATION TO BE DETERMINED BY PUBLIC WORKS DEPARTMENT



WATER PLUS CORPORATION
PENSACOLA, FLORIDA
PHONE: (800) 842-9979 FAX: (850) 469-8699

MODEL 1500-5834 "ALL-IN-ONE" SAMPLING STATION

05/18/00 | F-Model 1500
SEE DRAWING "A" | 1 OF 1



NOTE: ALL CALCULATIONS ARE BASED ON A WATER LINE PRESSURE OF 150 PSI AND AN ALLOWABLE SOIL BEARING VALUE OF 2,500 POUNDS PER SQUARE FOOT.

THESE ARE MINIMUM REQUIREMENTS. INCREASE AREA FOR CONDITIONS OTHER THAN THESE VALUES.

HORIZONTAL BLOCKING TABLE

PIPE SIZE	"X" DIM. IN. FT.	11-1/4 DEGREES		22-1/2 DEGREES		45 DEGREES		90 DEGREES		TEE & PLUG	
		"A"	MIN. AREA	"B"	MIN. AREA	"C"	MIN. AREA	"D"	MIN. AREA	"E"	MIN. AREA
4"	1.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.06	1.00	1.00
6"	1.5	1.00	1.00	1.00	1.00	1.14	1.30	1.55	2.40	1.30	1.70
8"	1.5	1.00	1.00	1.08	1.18	1.52	2.31	2.07	4.27	1.74	3.02
10"	1.5	1.00	1.00	1.35	1.84	1.90	3.61	2.58	6.66	2.17	4.71
12"	1.5	1.00	1.33	1.63	2.65	1.86	5.19	3.10	9.60	2.61	6.79
14"	1.5	1.03	1.81	1.90	3.60	2.66	7.07	3.61	13.06	3.04	9.24
16"	2.0	1.18	2.36	2.17	4.71	3.04	9.23	4.13	17.06	3.47	12.06
18"	2.0	1.33	2.99	2.44	5.96	3.42	11.69	4.65	21.59	3.91	15.27
20"	2.0	1.48	3.70	2.71	7.35	3.80	14.43	5.16	26.66	4.34	18.85
21"	2.0	1.55	4.07	2.85	8.11	3.99	15.91	5.42	29.39	4.56	20.78
24"	2.0	1.77	5.32	3.25	10.59	4.56	20.77	6.20	38.39	5.21	27.14
27"	2.5	1.99	6.73	3.66	13.40	5.13	26.29	6.97	48.58	5.86	34.35
30"	2.5	2.22	8.31	4.07	16.55	5.70	32.46	7.74	59.98	6.51	42.41
33"	2.5	2.44	10.06	4.47	20.02	6.27	39.28	8.52	72.57	7.16	51.31
36"	2.5	2.66	11.97	4.88	23.83	6.84	46.74	9.29	86.37	7.81	61.07
39"	3.0	2.88	14.05	5.29	27.97	7.41	54.86	10.07	101.36	8.47	71.68
42"	3.0	3.10	16.30	5.69	32.43	7.98	63.62	10.85	117.56	9.12	83.13

NOTE: CLASS "B" CONCRETE 2,000 PSI SHALL BE USED FOR ALL BLOCKING UNLESS OTHERWISE NOTED ON STANDARD DETAILS AND / OR PLANS.

THE MINIMUM VERTICAL DIMENSION OF ALL BLOCKING SHALL BE 1.5 TIMES THE PIPE DIAMETER WITH AT LEAST 0.75 TIMES THE PIPE DIAMETER EXTENDING BOTH ABOVE AND BELOW THE PIPE CENTERLINE. THIS DIMENSION DETERMINES THE "A" DIMENSION FOR 11-1/4" BENDS.

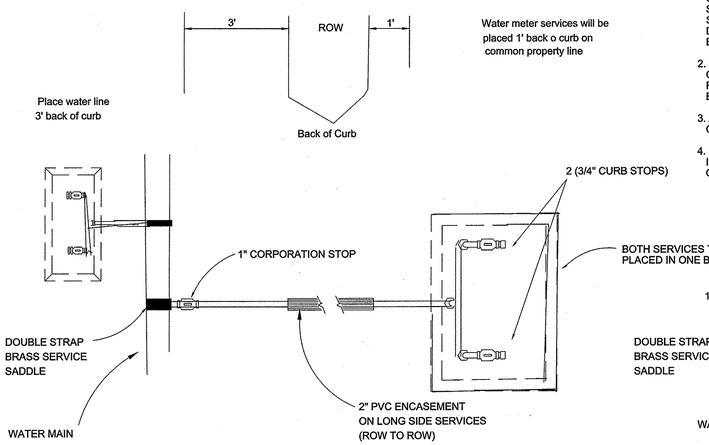
FOR 22-1/2°, 45 , 90 , AND TEES AND PLUGS, THE VERTICAL DIMENSION SHALL BE EQUAL TO THE HORIZONTAL DIMENSION SHOWN TO PRODUCE THE REQUIRED MINIMUM AREA.

ALL MINIMUM AREAS ARE IN SQUARE FEET.

BLOCKING TO BE AGAINST UNDISTURBED TRENCH WALLS AND BOTTOM.

HORIZONTAL THRUST BLOCKING DETAIL

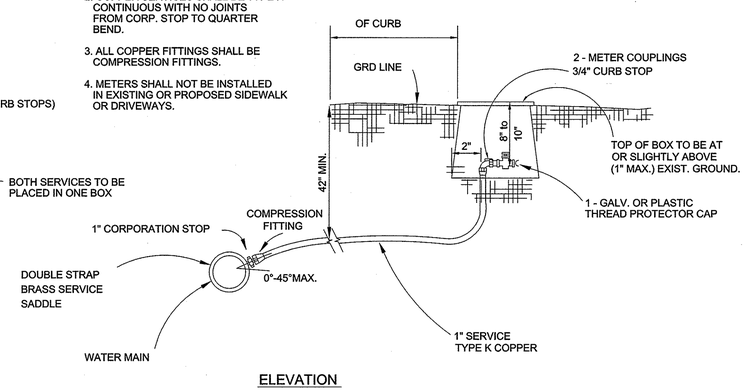
NO SCALE



PLAN VIEW

NOTES

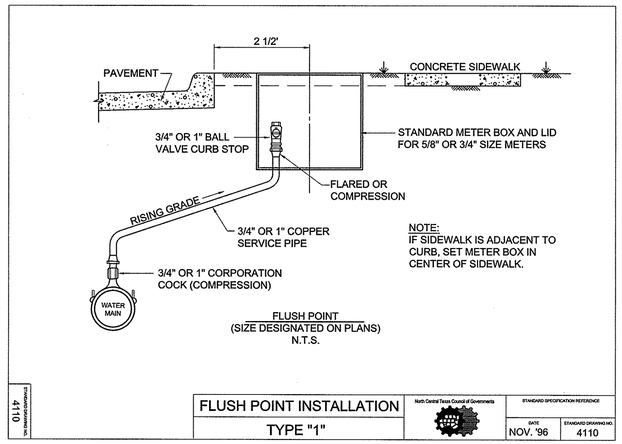
1. WHERE TAPPING EXISTING MAINS OR PVC WATER MAINS, DOUBLE STRAPPED BRONZE, STAINLESS STEEL, OR EPOXY COATED DUCTILE IRON SADDLES SHALL BE USED.
2. COPPER SERVICES SHALL BE TYPE K CONTINUOUS WITH NO JOINTS FROM CORP. STOP TO QUARTER BEND.
3. ALL COPPER FITTINGS SHALL BE COMPRESSION FITTINGS.
4. METERS SHALL NOT BE INSTALLED IN EXISTING OR PROPOSED SIDEWALK OR DRIVEWAYS.



ELEVATION

SERVICE CONNECTION DETAIL (LOTS SMALLER THAN 10,000 S.F.)

NO SCALE



RECORD DRAWING

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Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

CITY OF CELINA, TEXAS

WATER DISTRIBUTION SYSTEM
STANDARD DETAILS

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

WATER DETAILS

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER
7/7/11

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1846
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: NOT TO SCALE
SHEET: 22 OF 27
PROJECT NO. 2009016.01

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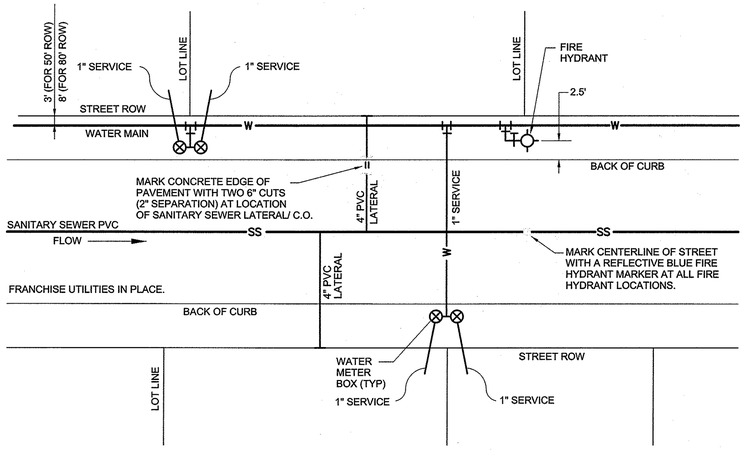
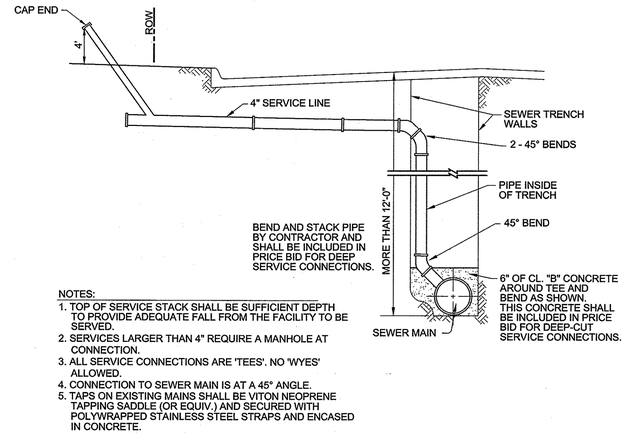


TYPICAL WATER/SANITARY SEWER SERVICE AND FIRE HYDRANT DETAIL

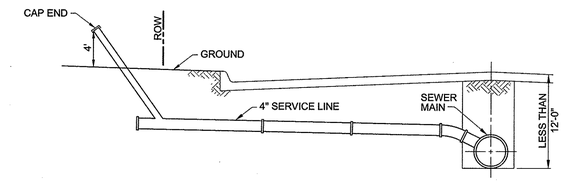
(UNLESS OTHERWISE SHOWN)
NTS



NOTES:
1. TOP OF SERVICE STACK SHALL BE SUFFICIENT DEPTH TO PROVIDE ADEQUATE FALL FROM THE FACILITY TO BE SERVED.
2. SERVICES LARGER THAN 4" REQUIRE A MANHOLE AT CONNECTION.
3. ALL SERVICE CONNECTIONS ARE 'TEES'. NO 'WYES' ALLOWED.
4. CONNECTION TO SEWER MAIN IS AT A 45° ANGLE.
5. TAPS ON EXISTING MAINS SHALL BE VITON NEOPRENE TAPPING SADDLE (OR EQUIV.) AND SECURED WITH POLYWRAPPED STAINLESS STEEL STRAPS AND ENCASED IN CONCRETE.

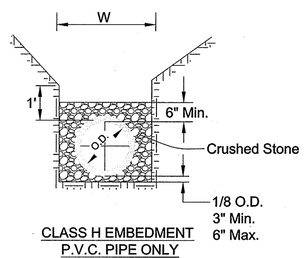
DEEP-CUT SEWER SERVICE

NTS

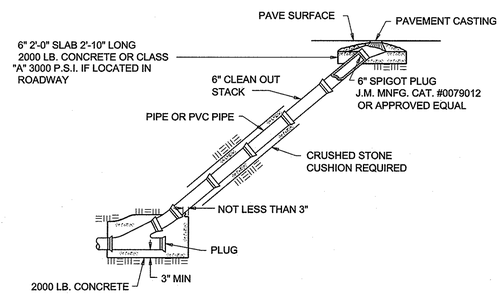


STANDARD SEWER SERVICE

NTS



CLASS H EMBEDMENT
P.V.C. PIPE ONLY
STD. P.V.C. SEWER INSTALLATION
STD. P.V.C., R.C.P. & DUCTILE WATER INSTALLATION.



STANDARD CLEANOUT

NTS

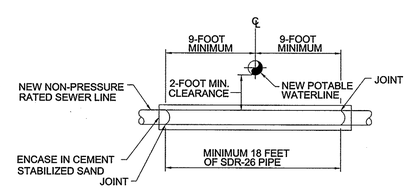
SANITARY SEWER AND WATER LINE CROSSING DETAILS

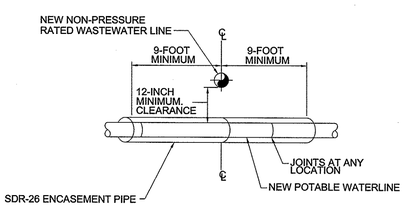
CASE 1
NEW WATER LINE OVER NEW NON-PRESSURE RATED SEWER LINE
2' TO 9' VERTICAL SEPARATION

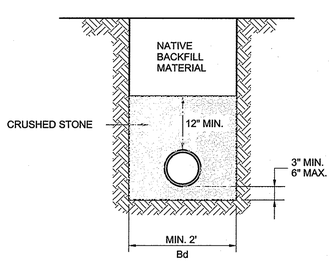
WHERE A NEW POTABLE WATERLINE CROSSES A NEW, NON-PRESSURE RATED WASTEWATER MAIN OR LATERAL AND THE STANDARD PIPE SEGMENT LENGTH OF THE WASTEWATER MAIN OR LATERAL IS AT LEAST 18 FEET, ONE SEGMENT OF THE WATERLINE PIPE SHALL BE CENTERED OVER THE WASTEWATER MAIN OR LATERAL SUCH THAT THE JOINTS OF THE WATERLINE PIPE ARE EQUIDISTANT AND AT LEAST NINE FEET HORIZONTALLY FROM THE CENTERLINE OF THE WASTEWATER MAIN OR LATERAL. THE POTABLE WATERLINE SHALL BE AT LEAST TWO FEET ABOVE THE WASTEWATER MAIN OR LATERAL. WHENEVER POSSIBLE, THE CROSSING SHALL BE CENTERED BETWEEN THE JOINTS OF THE WASTEWATER MAIN OR LATERAL. THE WASTEWATER PIPE SHALL HAVE A MINIMUM PIPE STIFFNESS OF 115 PSI AT 5.0% DEFLECTION. THE WASTEWATER MAIN OR LATERAL SHALL BE EMBEDDED IN CEMENT STABILIZED SAND (SEE BELOW) FOR THE TOTAL LENGTH OF ONE PIPE SEGMENT PLUS 12 INCHES BEYOND THE JOINT ON EACH END (§290.44(e)(4)(B)(iii)).

CASE 3
NEW ENCASED POTABLE WATERLINE UNDER A NEW WASTEWATER LINE

WHEN A NEW WATERLINE CROSSES UNDER A WASTEWATER MAIN OR LATERAL (§290.44(e)(4)(B)(iv)(iii)). THE WATERLINE SHALL BE ENCASED IN A 18-FOOT (OR LONGER) SECTION OF PIPE. FLEXIBLE ENCASING PIPE SHALL HAVE A MINIMUM PIPE STIFFNESS OF 115 PSI AT 5.0% DEFLECTION. THE ENCASING PIPE SHALL BE CENTERED ON THE WATERLINE AND SHALL BE AT LEAST TWO NOMINAL PIPE DIAMETERS LARGER THAN THE WASTEWATER MAIN OR LATERAL. THE SPACE AROUND THE CARRIER PIPE SHALL BE SUPPORTED AT FIVE-FOOT (OR LESS) INTERVALS WITH SPACERS OR BE FILLED TO THE SPRINGLINE WITH WASHED SAND. EACH END OF THE CASING SHALL BE SEALED WITH WATERTIGHT NON-SHRINK CEMENT GROUT OR A MANUFACTURED WATERTIGHT SEAL. AN ABSOLUTE MINIMUM SEPARATION DISTANCE OF SIX INCHES BETWEEN THE ENCASEMENT PIPE AND THE WATERLINE SHALL BE PROVIDED. THE WASTEWATER LINE SHALL BE LOCATED BELOW THE WATERLINE (§290.44(e)(4)(B)(iv)(ii)).

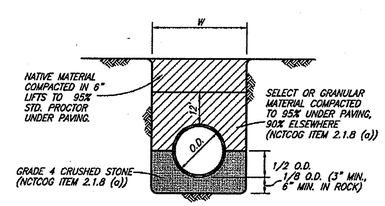






CLASS "4" WASTEWATER EMBEDMENT

NTS



CLASS B+ EMBEDMENT

STD PVC WATER OR D.I.P.

GENERAL NOTES:

1) ENCASEMENT PIPE SHALL MEET THE FOLLOWING REQUIREMENTS:
   -SDR-26 OR 150 PSI PRESSURE CLASS PIPE AS NOTED
   -MINIMUM 18 FEET LONG
   -DIAMETER OF ENCASEMENT PIPE = DIAMETER OF CARRIER PIPE + 2 NOMINAL PIPE SIZES MINIMUM (EXAMPLE: 8" CARRIER NEEDS 12" ENCASEMENT)
   -SPACE AROUND CARRIER PIPE SHALL BE SUPPORTED AT MINIMUM 5 FEET INTERVALS WITH SPACERS, OR FILLED TO SPRINGLINE WITH WASHED SAND
   -ENCASEMENT PIPE SHALL BE CENTERED ON THE CROSSING
   -BOTH ENDS TO BE SEALED WITH CEMENT GROUT OR A MANUFACTURED WATER-TIGHT SEAL
2) CEMENT STABILIZED SAND EMBEDMENT SHALL MEET THE FOLLOWING:
   -MINIMUM 2.5 BAGS OF CEMENT PER C.Y. OF MIXTURE
   -MINIMUM EMBEDMENT THICKNESS IS TO BE AS FOLLOWS: 6" ABOVE, 4" BELOW AND 6" ON THE SIDES OF THE PIPE
   -EMBEDMENT SHALL EXTEND A MINIMUM OF 12" BEYOND PIPE JOINTS ON EACH END
3) SDR 26 SEWER PIPE MEETS THE T.N.R.C.C. STIFFNESS REQUIREMENT OF 115 PSI AT 5% DEFLECTION
4) WHERE LEAKAGE/NO LEAKAGE OF EXISTING SEWERS MUST BE DETERMINED, IT SHALL BE BY A LICENSED TEXAS PROFESSIONAL ENGINEER
5) 18' MINIMUM LENGTH PIPE OR ENCASEMENT SEGMENTS MUST BE CENTERED ON THE CROSSING (JOINTS 9' FROM THE CROSSING)
6) THESE DETAILS AND NOTES ARE INTENDED TO COMPLY WITH THE T.N.R.C.C. CHAPTER 290 (WATER) DATED FEBRUARY 2004, AND DRAFT CHAPTER 217 (SEWER) RULE LOG 95100-317-WT
7) WHERE ENCASEMENT PIPE IS SPECIFIED, CLEARANCES ARE MEASURED FROM THE ENCASEMENT PIPE NOT THE CARRIER PIPE
8) PIPE MEETING AWWA C900 OR C905 DR-18 MINIMUM WILL MEET THE T.N.R.C.C. REQUIREMENTS FOR 150 PSI PIPE, THIS PIPE MAY BE SUBSTITUTED FOR SDR-26 PIPE

RECORD DRAWING

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Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

SANITARY SEWER DETAILS

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED
PROFESSIONAL ENGINEER
5/17/11

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: NOT TO SCALE
SHEET: 23 OF 27
PROJECT NO. 2009016.01

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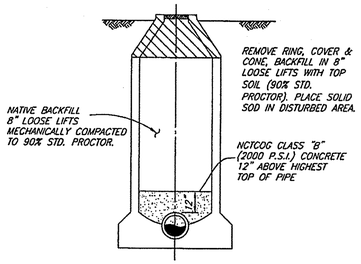
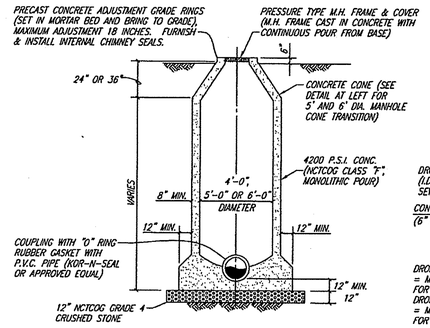
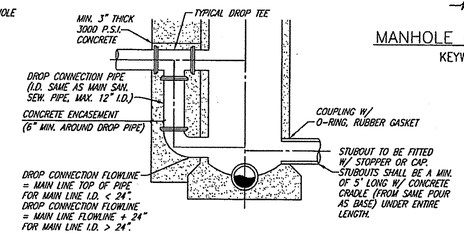


MANHOLE ABANDONMENT
OUTSIDE PAVEMENT AREA
(MHABAN)

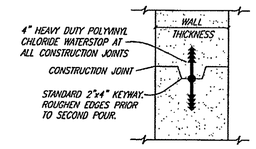


STANDARD MANHOLE ELEVATION
4', 5' & 6' DIAMETER MANHOLES

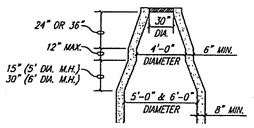


DROP MANHOLE ELEVATION
4', 5' & 6' DIAMETER MANHOLES

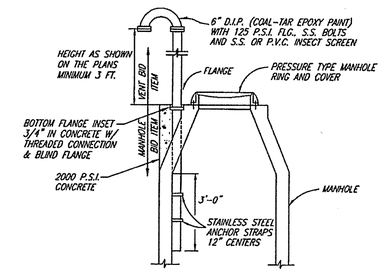
SANITARY SEWER MANHOLE (CAST IN PLACE)
NO SCALE



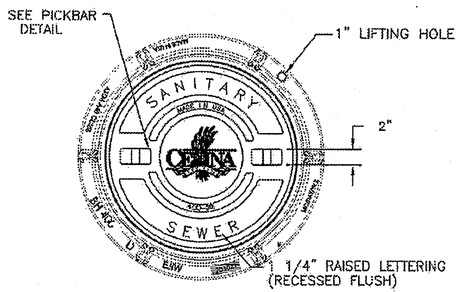
MANHOLE CONSTRUCTION JOINT
KEYWAY WITH WATERSTOP

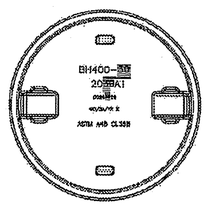


CONE TRANSITION
5' & 6' DIAMETER MANHOLES ONLY

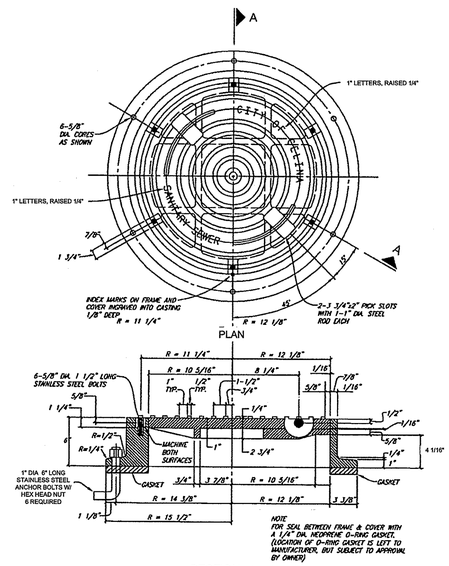


CONE TOP MANHOLE VENT
NO SCALE



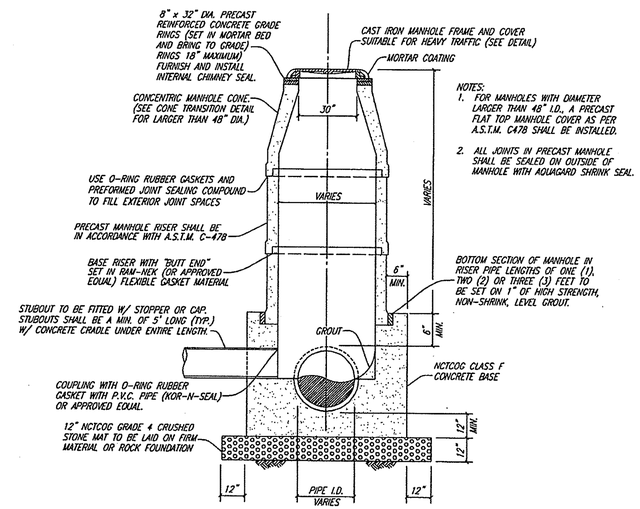


BOTTOM VIEW OF COVER



SECTION A–A

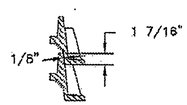
TYPE "S" MANHOLE FRAME AND COVER
NO SCALE



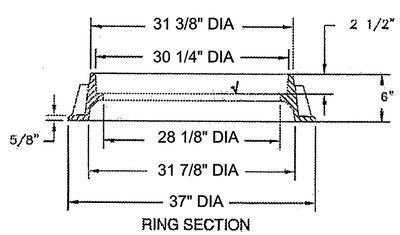
NOTES:
1. FOR MANHOLES WITH DIAMETER LARGER THAN 48" I.D., A PRECAST FLAT TOP MANHOLE COVER AS PER A.S.T.M. C478 SHALL BE INSTALLED.
2. ALL JOINTS IN PRECAST MANHOLE SHALL BE SEALED ON OUTSIDE OF MANHOLE WITH AQUAGARD SHRINK SEAL.

PRECAST CONCRETE MANHOLE
NO SCALE

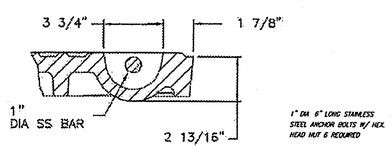
COVER SECTION



STACK DETAIL



RING SECTION



PICKBAR DETAIL

STANDARD MANHOLE COVER AND FRAME
NO SCALE

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL REBPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran
USA PROFESSIONAL SERVICES GROUP, INC.
DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS
SANITARY SEWER DETAILS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER
7/17/11

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE: July 2011
SCALE: NOT TO SCALE
SHEET: 24 OF 27
PROJECT NO. 2009016.01

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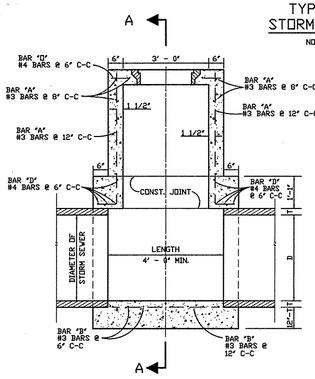
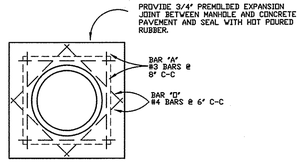


ELEVATION

N.T.S.



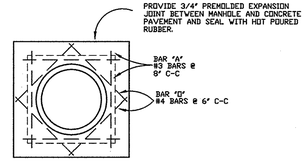
NOTE : FRAME AND COVER SHALL BE BASS & HAYES PATTERN NO. 400-24 OR EQUAL AND SHALL BE GRAY CAST IRON CONFORMING TO ASTM SPEC. A-48 FOR CLASS 30 CAST IRON.

TOP PLAN
TYPE A & TYPE B
STORM SEWER MANHOLE

NOTE : MAXIMUM PIPE SIZE TO BE USED 78"ø

N.T.S.

NOTE : FRAME AND COVER SHALL BE BASS & HAYES PATTERN NO. 380-24 OR EQUAL AND SHALL BE GRAY CAST IRON CONFORMING TO ASTM SPEC. A-48 FOR CLASS 30 CAST IRON.



TOP PLAN
TYPE A & TYPE B
STORM SEWER MANHOLE

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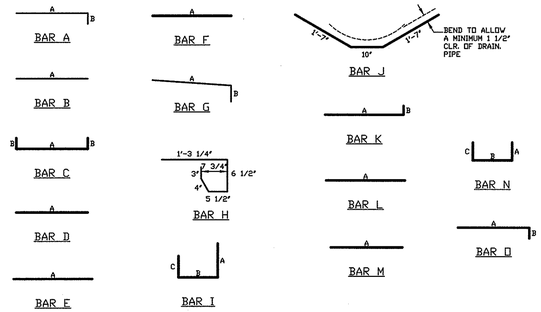
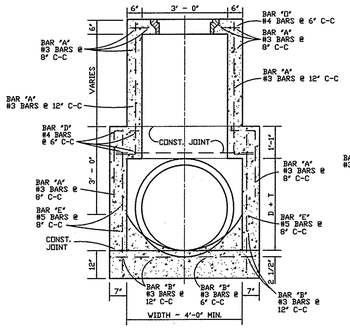
N.T.S.



BAR DIAGRAMS

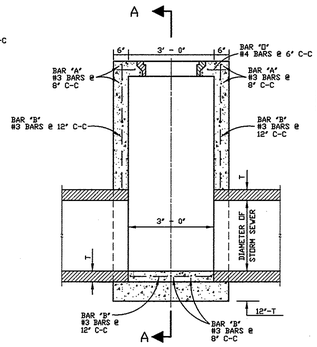
REINFORCING STEEL SCHEDULE DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS						
INLET LENGTH	BAR TYPE	BAR DIA. (1/8")	NO. REQ'D.	BAR DIMENSIONS		
				A	B	C
10'	A	3	10	3'-2"	0'-3"	-
	B	3	2	8'-10"	-	-
	C	4	16	10'-8"	0'-6"	-
	D	4	4	4'-8"	-	-
	E	5	6	10'-8"	-	-
	F	4	5	1'-2"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	15	*	*	*
	I	4	8	4'-8"	3'-2"	3'-2"
	J	5	1	*	*	*
	K	5	4	3'-2"	0'-6"	-
	L	4	5	3'-2"	-	-
	M	4	2	3'-0"	-	-
	N	4	2	4'-8"	3'-2"	4'-8"
12'	A	3	15	3'-2"	0'-6"	-
	B	3	2	11'-6"	-	-
	C	4	16	13'-4"	0'-6"	-
	D	4	9	4'-8"	-	-
	E	5	6	13'-4"	-	-
	F	4	5	1'-2"	-	-
	G	3	12	2'-0"	1'-3"	-
	H	3	26	*	*	*
	I	4	12	4'-8"	3'-2"	3'-2"
	J	5	1	*	*	*
	K	5	6	3'-2"	0'-6"	-
	L	4	11	3'-2"	-	-
	M	4	2	3'-0"	*	*
	N	4	2	4'-8"	3'-2"	4'-8"

* SEE DIAGRAM FOR DIMENSIONS



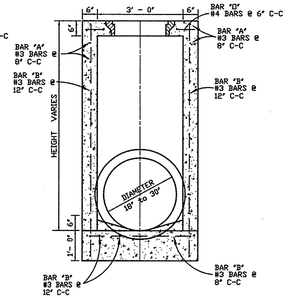
SECTION A-A

N.T.S.



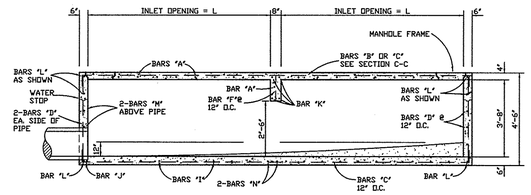
ELEVATION

N.T.S.



SECTION A-A

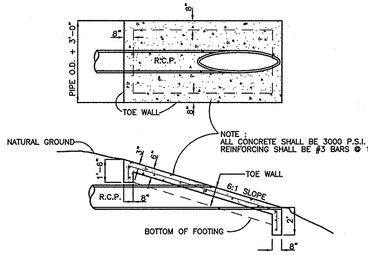
N.T.S.



NOTE: CAST-IN-PLACE INLETS TO BE MIN. 4200 PSI CONCRETE.

SECTION A-A

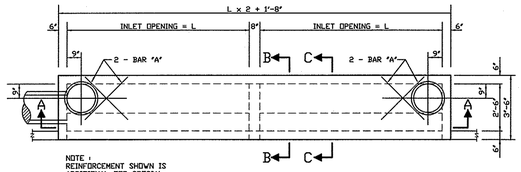
N.T.S.



NOTE : ALL CONCRETE SHALL BE 3000 P.S.I. AND REINFORCING SHALL BE #3 BARS @ 18" O.C.E.W.

TYPICAL SLOPED END HEADWALL

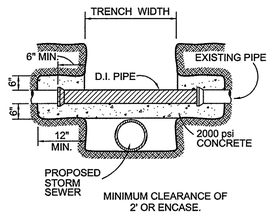
NTS



NOTE : REINFORCEMENT SHOWN IS ADDITIONAL FOR SPECIAL CONDITION. FOR REMAINDER OF REINFORCEMENT SEE SECTIONS.

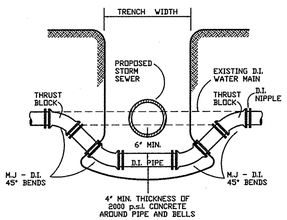
PLAN

N.T.S.



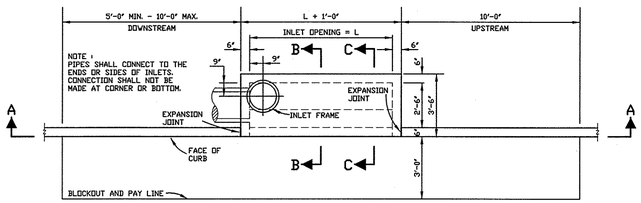
DETAIL OF
UTILITY SUPPORT

N.T.S.



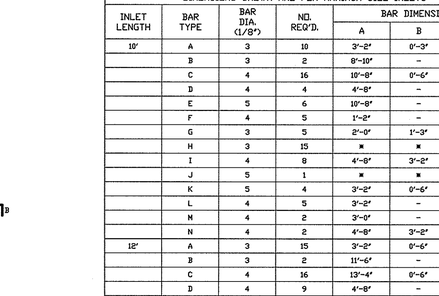
DETAIL FOR
WATER MAIN LOWERING

N.T.S.



PLAN - STANDARD INLET

N.T.S.

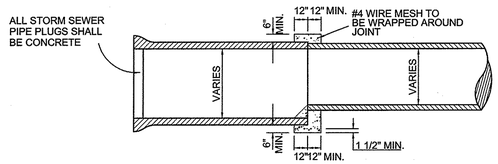


NOTE : DEPTH OF TRENCH BELOW PIPE
3" MIN. FOR 27" PIPE & SMALLER
4" MIN. FOR 30" TO 60" PIPE
6" MIN. FOR 66" PIPE & LARGER

SELECT NONGRANULAR MATERIAL COMPACTED TO 95% UNDER PAVING 90% ELSEWHERE

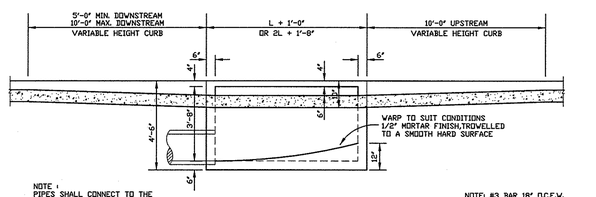
STORM SEWER PIPE BEDDING

N.T.S.



DETAIL OF CONCRETE COLLAR
FOR PIPE CONNECTIONS

N.T.S.



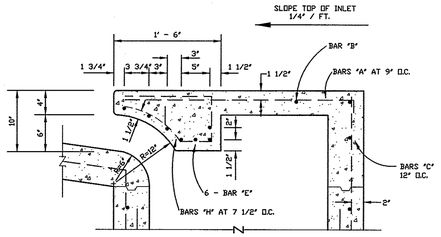
NOTE : PIPES SHALL CONNECT TO THE ENDS OR SIDES OF INLETS. CONNECTION SHALL NOT BE MADE AT CORNER OR BOTTOM.

SECTION A-A

N.T.S.

NOTE: #3 BAR 18" O.C.E.W. IN BLOCK OUT DRILLED INTO EXISTING CONCRETE.

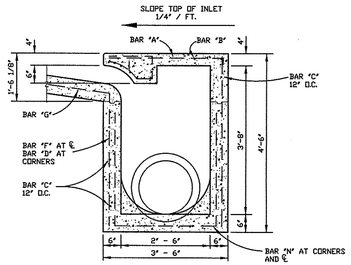
NOTE: CAST-IN-PLACE INLETS TO BE MIN. 4200 PSI CONCRETE.



SECTION C-C

N.T.S.

NOTE: CAST-IN-PLACE INLETS TO BE MIN. 4200 PSI CONCRETE.



SECTION B-B

N.T.S.

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB
CITY OF CELINA, COLLIN COUNTY, TEXAS
STORM SEWER DETAILS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

RECORD DRAWING

ALL INFORMATION SHOWN ON THESE PLANS WAS FURNISHED BY THE CONTRACTOR ALL RESPONSIBILITY FOR THE ACCURACY BELONGS TO THE CONTRACTOR.

Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

STATE OF TEXAS
JAMES SCOTT YOUNG
69031
REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTERED ENGINEERING FIRM F-1845
CIVIL ENGINEERS • SURVEYORS
PLANNERS • LANDSCAPE ARCHITECTS
1525 VICEROY DRIVE
DALLAS, TEXAS 75235
(214) 634-3300 FAX (214) 634-3338

DATE:	July 2011
SCALE:	NOT TO SCALE
SHEET:	25 OF 27
PROJECT NO.	2009016.01

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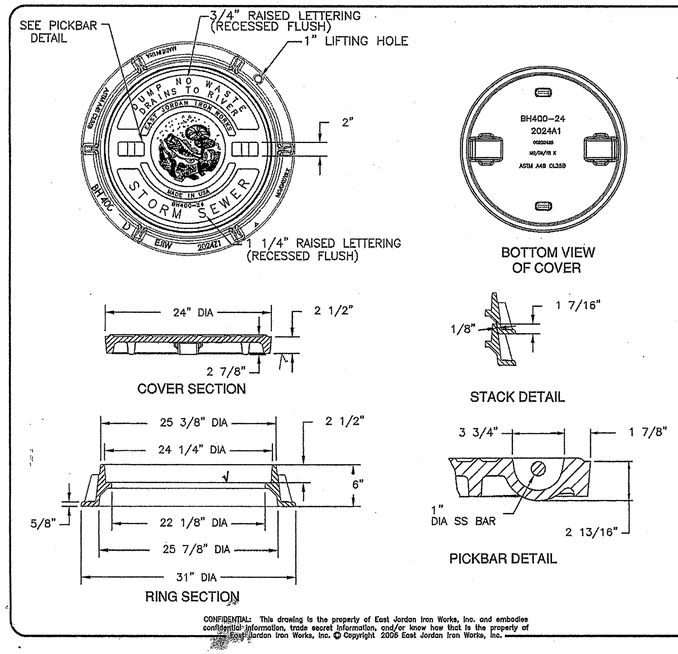

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EJIW EAST JORDAN IRON WORKS EST. 1883
800-626-4653
www.ejiw.com
MADE IN USA

PRODUCT NUMBER
00202425
00202415

CATALOG NUMBER
400-24 R/C

MANHOLE ASSEMBLY

LOAD RATING
HEAVY DUTY

COATING
DIPPED

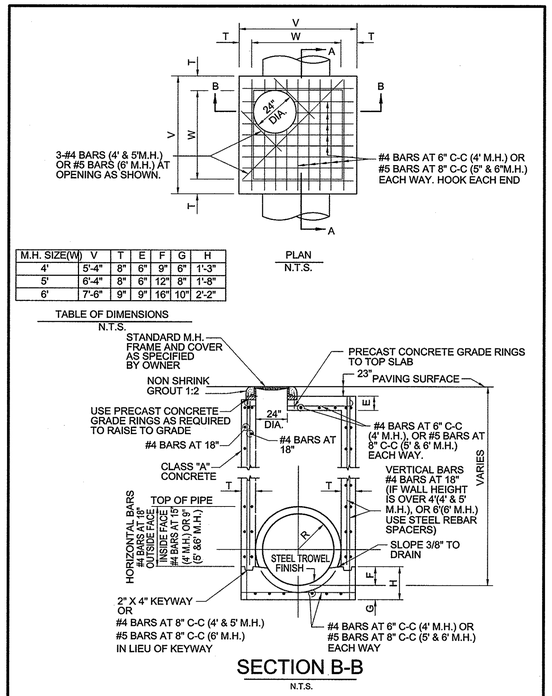
MATERIAL SPECIFICATION
COVER – GRAY IRON ASTM A48 CL35B
FRAME – GRAY IRON ASTM A48 CL35B

OPEN AREA
N/A

√ DESIGNATES MACHINED SURFACE

DRAWN	DATE
DEW	06/29/06
LAST REVISED DEW	DATE 11/03/08

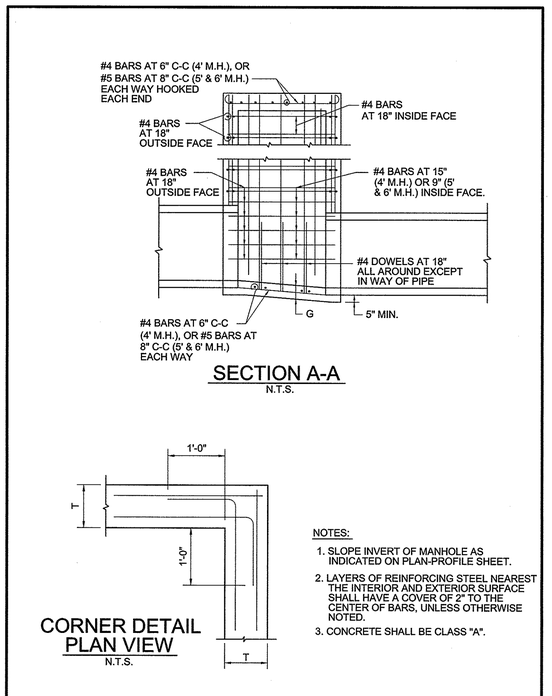
REFERENCE INFORMATION
00202425
00202415



M.H. SIZE(W)	V	T	E	F	G	H
4'	5'-4"	8"	6"	9"	6"	1'-3"
5'	6'-4"	8"	6"	12"	8"	1'-8"
6'	7'-6"	9"	9"	16"	10"	2'-2"

TABLE OF DIMENSIONS
N.T.S.

STORMWATER MANHOLE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 6.7.	
4', 5', OR 6' SQUARE		DATE NOV. '96	STANDARD DRAWING NO. 6010A



NOTES:

1. SLOPE INVERT OF MANHOLE AS INDICATED ON PLAN-PROFILE SHEET.
2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACE SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS, UNLESS OTHERWISE NOTED.
3. CONCRETE SHALL BE CLASS "A".

STORMWATER MANHOLE	North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE 6.7.	
4', 5', OR 6' SQUARE		DATE NOV. '96	STANDARD DRAWING NO. 6010B

RECORD DRAWING

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USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

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CITY OF CELINA, COLLIN COUNTY, TEXAS

STORM SEWER DETAILS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
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(214) 634-3300 FAX (214) 634-3338

DATE:	July 2011
SCALE:	NOT TO SCALE
SHEET:	26 OF 27
PROJECT NO.	2009016.01

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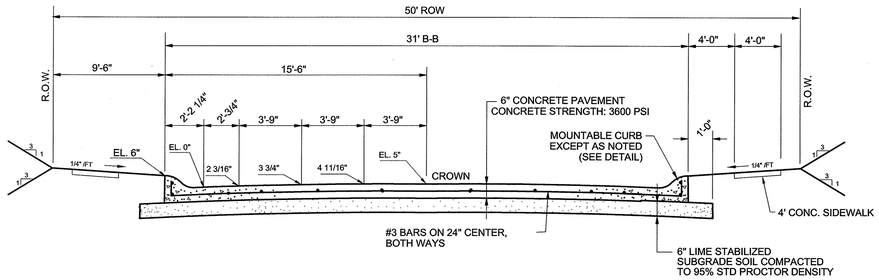
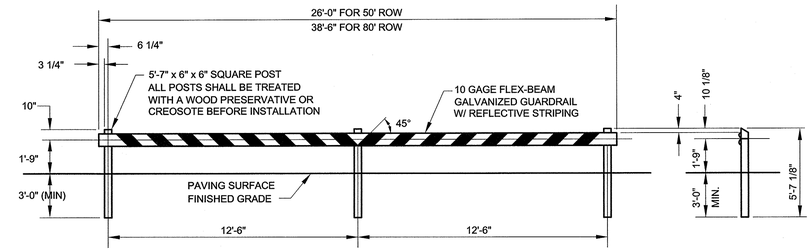


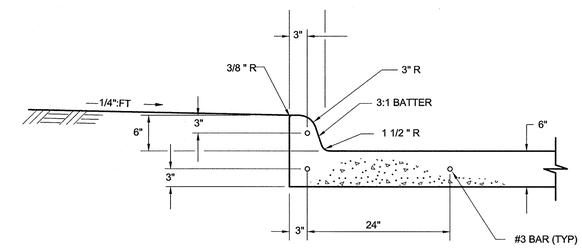
PAVEMENT SECTION - 50' ROW

NTS



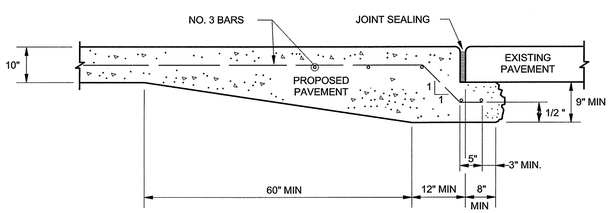
TEMPORARY BARRICADE DETAIL

NTS



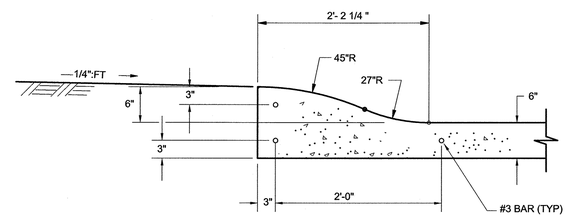
STANDARD INTEGRAL CURB

NTS



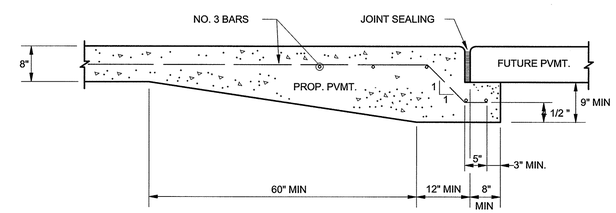
UNDERCUT STREET HEADER DETAIL

NTS



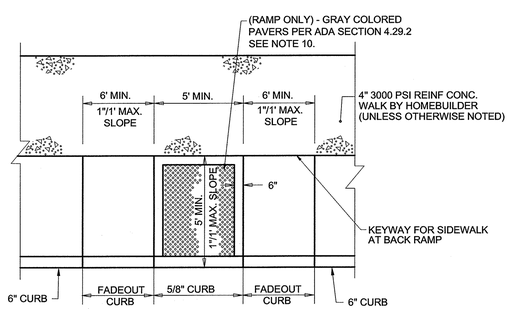
"MODIFIED" MOUNTABLE CURB

NTS



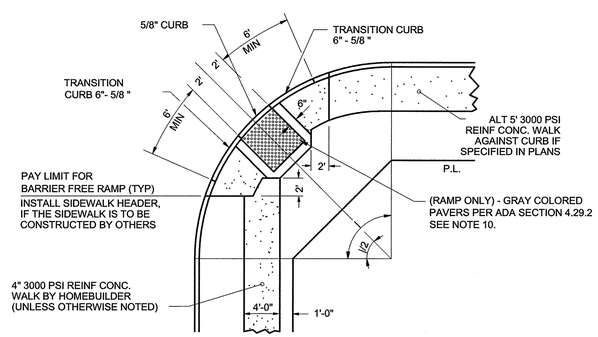
MODIFIED STREET HEADER DETAIL

NTS



BARRIER FREE RAMP IN STRAIGHT CURB

SIDEWALK ADJACENT TO CURB



DEPRESSED CURB AT STREET INTERSECTION

NTS

RECORD DRAWING

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Duc Tran

USA PROFESSIONAL SERVICES GROUP, INC.

DATE: December 4, 2012

REV	DESCRIPTION	DATE

THE CARTER RANCH - PHASE IIB

CITY OF CELINA, COLLIN COUNTY, TEXAS

PAVING DETAILS

ONE CARTER RANCH, L.P.
1221 North Interstate 35, Suite 200
Carrollton, Texas 75006
Phone (469) 892-7200 Fax (469) 892-7201

STATE OF TEXAS
JAMES SCOTT YOUNG
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REGISTERED PROFESSIONAL ENGINEER

USA PROFESSIONAL SERVICES GROUP, INC.
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DATE: July 2011

SCALE: NOT TO SCALE

SHEET: 27 OF 27

PROJECT NO. 2009016.01

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