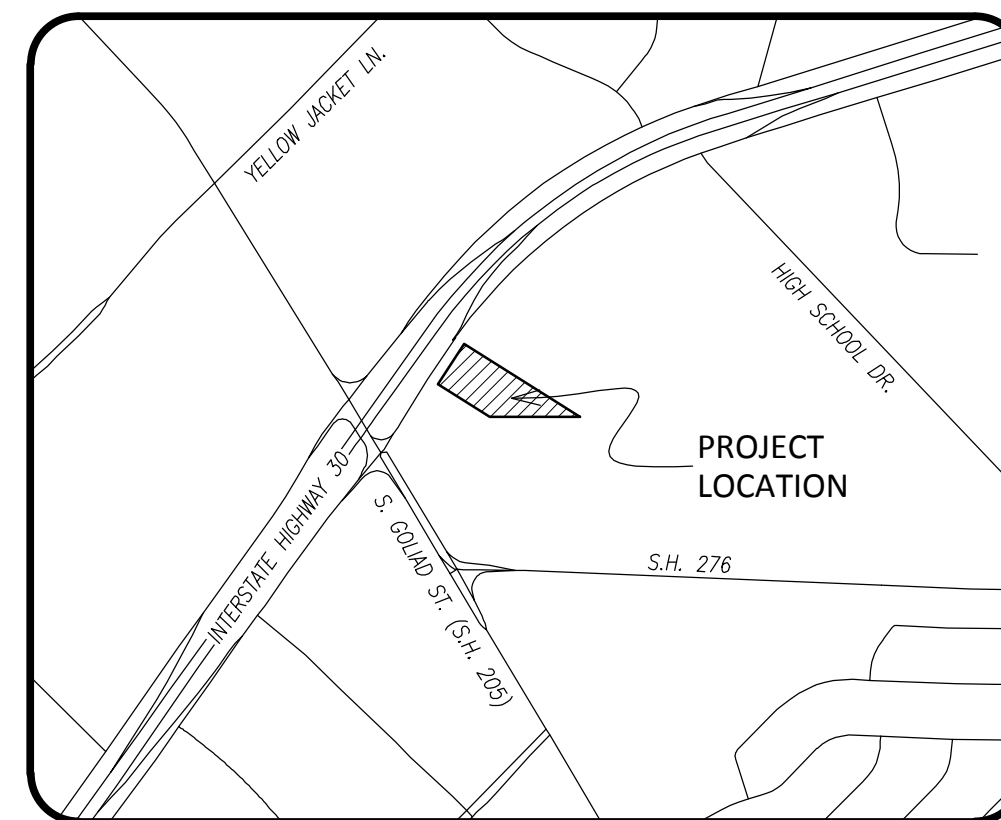


Paving, Drainage, and Utility Plans

RAISING CANE'S #152

I-30 Frontage Road City of Rockwall, Texas



Vicinity Map
1" = 1000'

Index Of Drawings

	Cover Sheet
	Site Plan
C 1	Horizontal Control Plan
C 2	Striping and Signage Plan
C 3	Paving Plan
C 4	Grading Plan
C 5	Drainage Area Map
C 6	Drainage Plan
C 7	Storm Sewer Profiles
C 8	Utility Plan
C 9	Erosion Control Plan
C 10	Storm Water Pollution Prevention Guidelines
C 11-C 12	Site Details
L 1.0	Landscape Plan

NOTE:
Prior to beginning any construction or construction staking, it shall be the Contractor's responsibility to contact the Civil Engineer to ensure that all parties are in possession of the most current set of construction documents.



765 Custer Road, Suite 100 • Plano, TX 75075 • (972) 422-0077 • TBPE No. F-2121



RECORD DRAWINGS

NOTE:
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Prepared For:

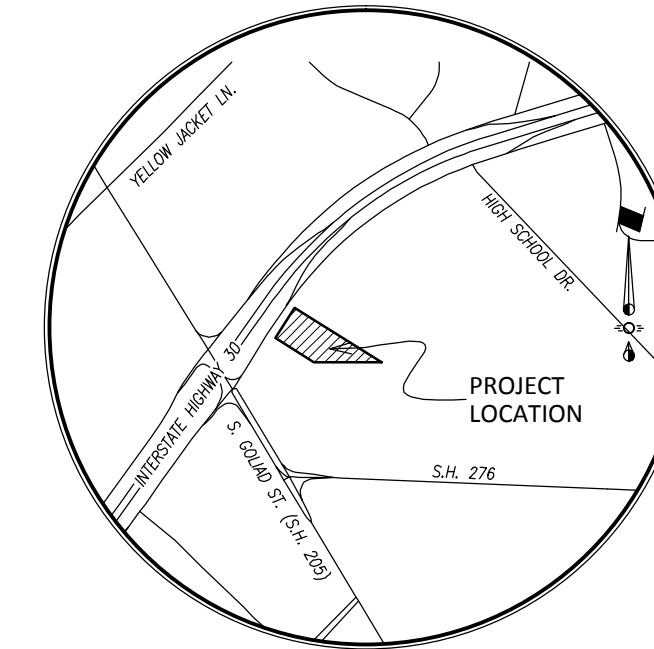


Restaurant Support Office
6800 BISHOP ROAD, PLANO, TEXAS 75024
Tele: 972 769-3357 Fax: 972 769-3101

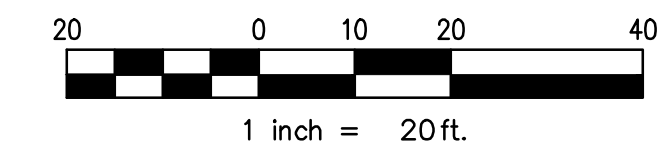
Rockwall Centre Corner Addition (Raising Cane's #152)

INTERSTATE HIGHWAY 30
Variable Width R.O.W.

LOT 2, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT
Zoning: L1/IH 30
Overlay



Vicinity Map
NTS



RAISING CANE'S
3,600 GROSS S.F.
Fin Flr. = 557.50
Lot 3, Block 1
Rockwall Centre
Corners Addition
2.951 Ac. (128,543 S.F.)

SITE DATA	LOT 3, BLOCK 1
Zoning:	L1/C with IH-30 Overlay
Proposed Use:	Restaurant (Drive-Thru)
Lot Area:	2.951 Ac. (128,543 S.F.)
Building Area:	3,600 Sq. Ft. Bldg.
Building Height:	1 Story, 24' Max.
Lot Coverage:	2.80%
Floor Area Ratio:	0.028:1
Front Building Setback:	25'
Parking Required:	36 Spa.
Handicap Parking Required:	2 Spa.
Parking Provided:	47 Spa. (Including 2 HC)
Landscape Required:	19,281 Sq. Ft. (15%)
Landscape Provided:	69,160 Sq. Ft.
Impervious Area:	59,383 Sq. Ft.

Layout Notes

- 1 Height Detector Pole
- 2 Pre-Order Board
- 3 Drive-Thru Order Board
- 4 Drive-Thru Window

LEGEND

- FIRELANE ACCESS & UTILITY EASEMENT
- EXISTING CONTOUR
- PROPOSED CONTOUR

SITE PLAN
OF
RAISING CANE'S
LOT 3, BLOCK 1, ROCKWALL CENTRE CORNERS ADDITION
IN THE CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS
2.951 Acres
ZONED: L1/C

Owner
CPI Mortgage Investors, L.P.
8214 Westchester Drive, 9th Floor
Dallas, Texas 75225
Telephone (214) 696-3600
Contact: Scott Riley

Engineer/Surveyor
Spiars Engineering, Inc.
765 Custer Road, Suite 100
Plano, Texas 75075
Telephone (972) 422-0077
Fax (972) 422-0075
Contact: John Spiars

Developer
Raising Cane's
5800 Tennyson Parkway, Suite 200
Plano, Texas 75024
Telephone (972) 769-3357
Fax (972) 769-3101

- General Notes:**
- Any revision to this plan will require City approval and will require revisions to any corresponding plans to avoid conflicts between plans
 - Open storage, where permitted, shall be screened in accordance with the Comprehensive Zoning Ordinance
 - Buildings of 5,000 square feet or greater shall be 100% fire sprinkled. Alternative fire protection measures may be approved by the Fire Department.
 - All signage is subject to Building Inspection Division approval.
 - All fences and retaining walls shall be shown on the site plan and are subject to Building Inspection Division approval.



Restaurant Support Office
6800 BISHOP ROAD, PLANO, TEXAS 75024
Tele: 972.769.3357 Fax: 972.769.3101

Store:
Raising Cane's
East Interstate 30
Rockwall, TX 75087
Prototype 1
Store # 152

Professional of Record:



Architect Information:
CSRS
IMAGINE SHAPE DELIVER
6767 Perkins Road Suite 200 Baton Rouge, LA 70808
Telephone: 225 769-0546 Fax: 225 767-0060
www.csronline.com

Prototype Issue Date:	X
Design Bulletin Updates:	
Date Issued:	Bulletin Number:
-	-

FOR REVIEW

Revisions:

#	Date	Description

Sheet Title:
SITE PLAN

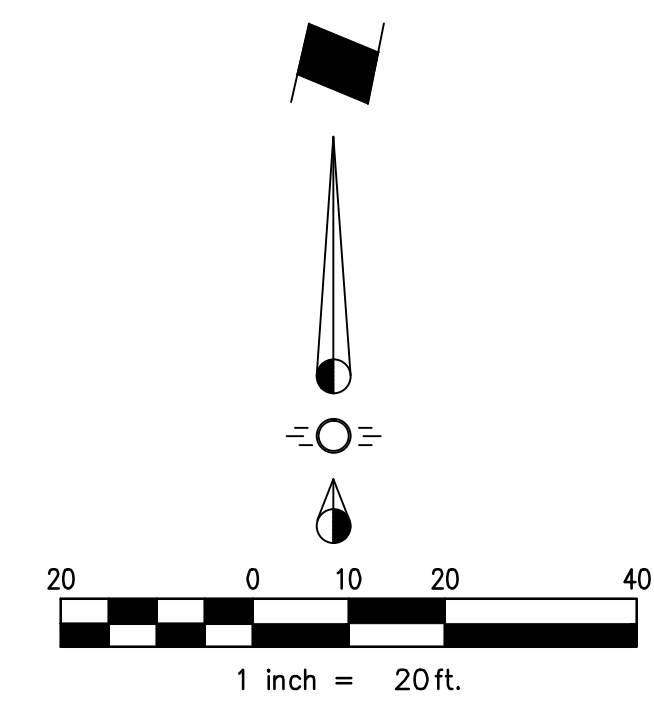
Date:	April 19, 2013
Project Number:	SEI No. 13-034
Drawn By:	MPC
Sheet Number:	

INTERSTATE HIGHWAY 30
Variable Width ROW.

LOT 2, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT

RAISING CANE'S
3,600 GROSS S.F.
Lot 3, Block 1
Rockwall Centre
Corners Addition
2.951 Ac. (128,543 S.F.)

LOT 4, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT



TEMP. BENCHMARK #2
"X" Cut in Conc.
ELEV. 555.33

TEMP. BENCHMARK #1
"X" Cut in Conc.
ELEV. 547.19

Centerline Curve Table						
Curve #	Delta	Radius	Length	Tangent	Chord Bearing	Chord
C1	22.13°	18.00'	23.83'	14.03'	N84°12'25"E	22.13'
C2	51.63°	42.00'	55.61'	32.73'	S84°12'25"W	51.63'

GENERAL NOTES

- All materials and construction shall conform to the City of Rockwall standards and specifications & NCTCOG 3rd Edition.
- It shall be the responsibility of the Contractor to protect all public utilities in the construction of this project. All manholes, cleanouts, valve boxes, fire hydrants, etc. must be adjusted to proper line and grade by the Contractor prior to and after the placing of permanent paving. All utilities must be maintained to proper line and grade during construction of this project.
- All curbs shall be 6" standard except where otherwise noted on plans.
- All dimensions are to the face of curb, or the edge of building.
- All curb radii are 2' or 5' unless noted otherwise.
- All 90° parking spaces are 9'x20'.

COORDINATE TABLE		
No.	Northing	Eastng
1	7020058.9777	2587944.2291
2	7020270.2840	2598077.8316
3	7019960.6123	2598215.9063
4	7020053.3100	2598245.4074
5	7020100.8586	2598086.2309
6	7020106.2071	2598275.9794
7	7020085.2262	2598194.6003
8	7020135.7296	2598228.9829
9	7020123.7121	2598096.6838
10	7020154.4573	2598176.5206
11	7019986.5454	2598297.0452
12	7020049.5352	2598055.1366
13	7020113.6592	2598003.8074
14	7020006.2602	2598180.4232
15	7020149.3658	2598270.3200
16	7020250.5857	2598090.3819
17	7020235.6752	2598132.9250
18	7020092.5645	2598043.0365

RECORD DRAWINGS

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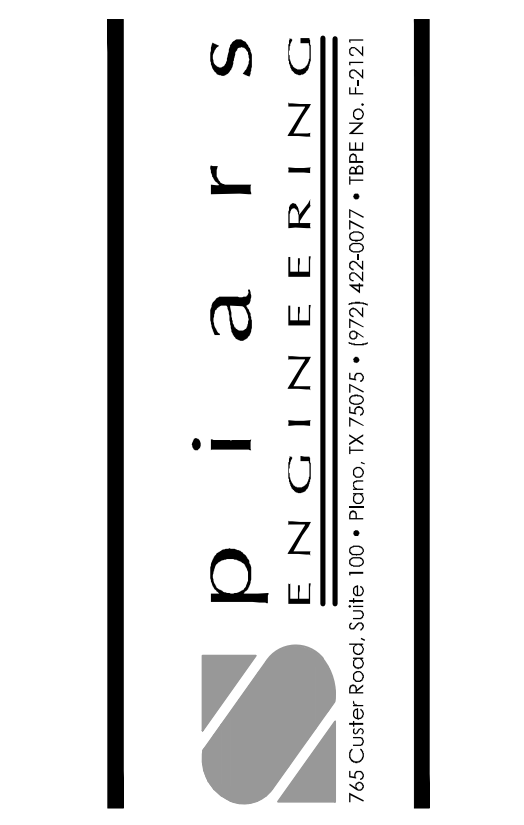
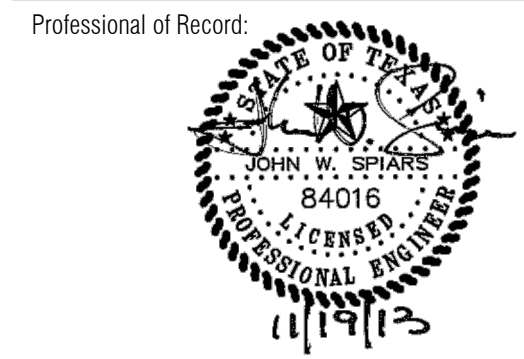
TEMPORARY BENCHMARK #1:
"X" CUT AT NORTHWEST CORNER OF "Y" INLET BEING S 22°22'5"W, 57 FEET FROM SOUTHWEST CORNER OF LOT 3 BLOCK 1
ELEVATION = 547.19

TEMPORARY BENCHMARK #2:
"X" CUT AT NORTHEAST CORNER OF "Y" INLET BEING S 41°54'53"W, 90 FEET FROM NORTHWEST CORNER OF LOT 3 BLOCK 1
ELEVATION = 555.33



Restaurant Support Office
6800 BISHOP ROAD, PLANO, TEXAS 75024
Tele: 972.769.3357 Fax: 972.769.3101

Store:
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East Interstate 30
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Prototype 1
Store # 152



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Prototype Issue Date: X
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Date Issued: Bulletin Number:
- -

FOR REVIEW

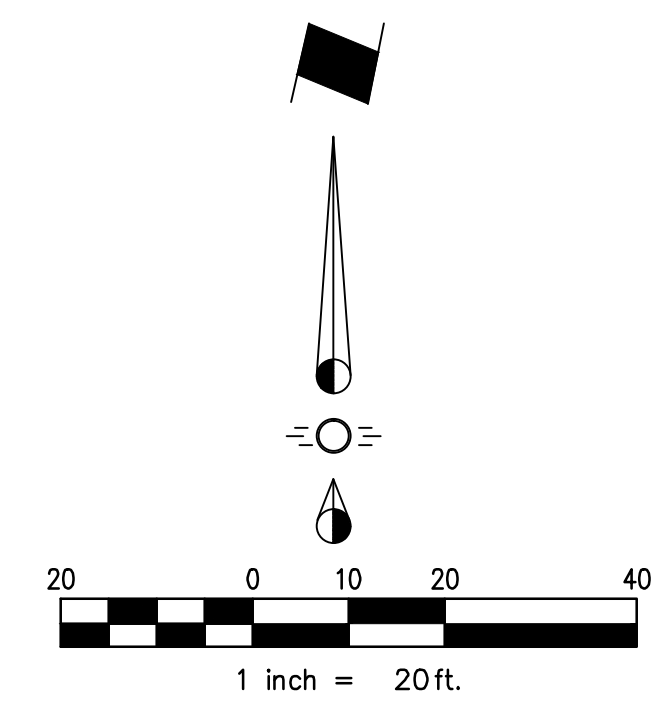
Revisions:		
#	Date	Description

Sheet Title:
HORIZONTAL CONTROL PLAN
Date: April 19, 2013
Project Number: SEI No. 13-034
Drawn By: MPC

C1

INTERSTATE HIGHWAY 30
Variable Width R.O.W.

LOT 2, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRCT



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p i a r s
ENGINEERING
765 Cutler Road, Suite 100 • Plano, TX 75075 • (972) 426-0077 • TWP No. F2121

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Prototype Issue Date: X

Design Bulletin Updates:

Date Issued:	Bulletin Number:
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FOR REVIEW

Revisions:

#	Date	Description

Sheet Title:
STRIPING AND SIGNAGE PLAN

Date: April 19, 2013

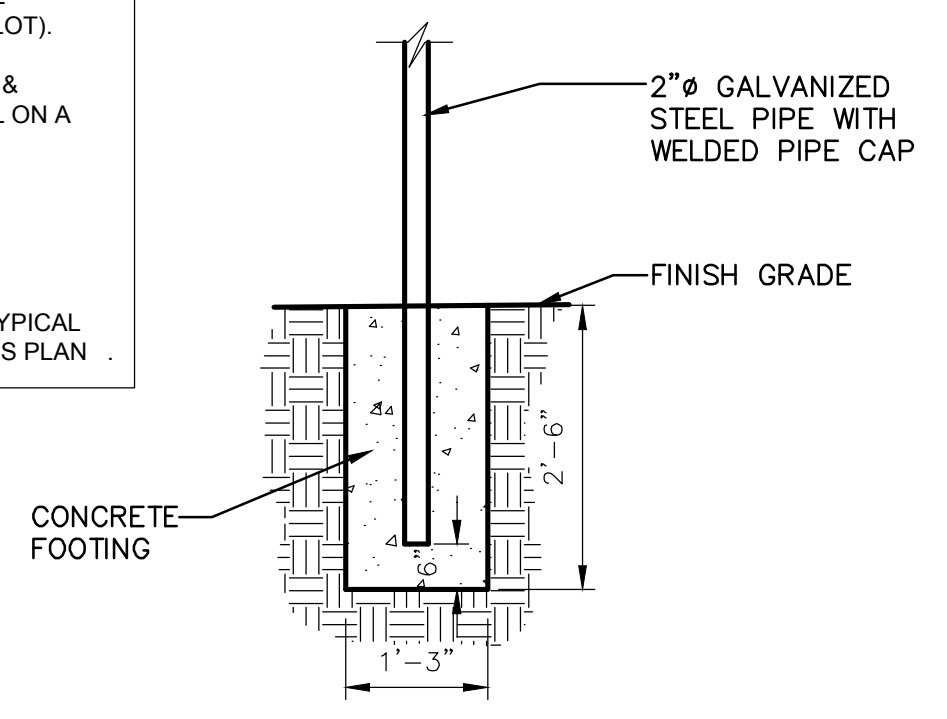
Project Number: SEI No. 13-034

Drawn By: MPC

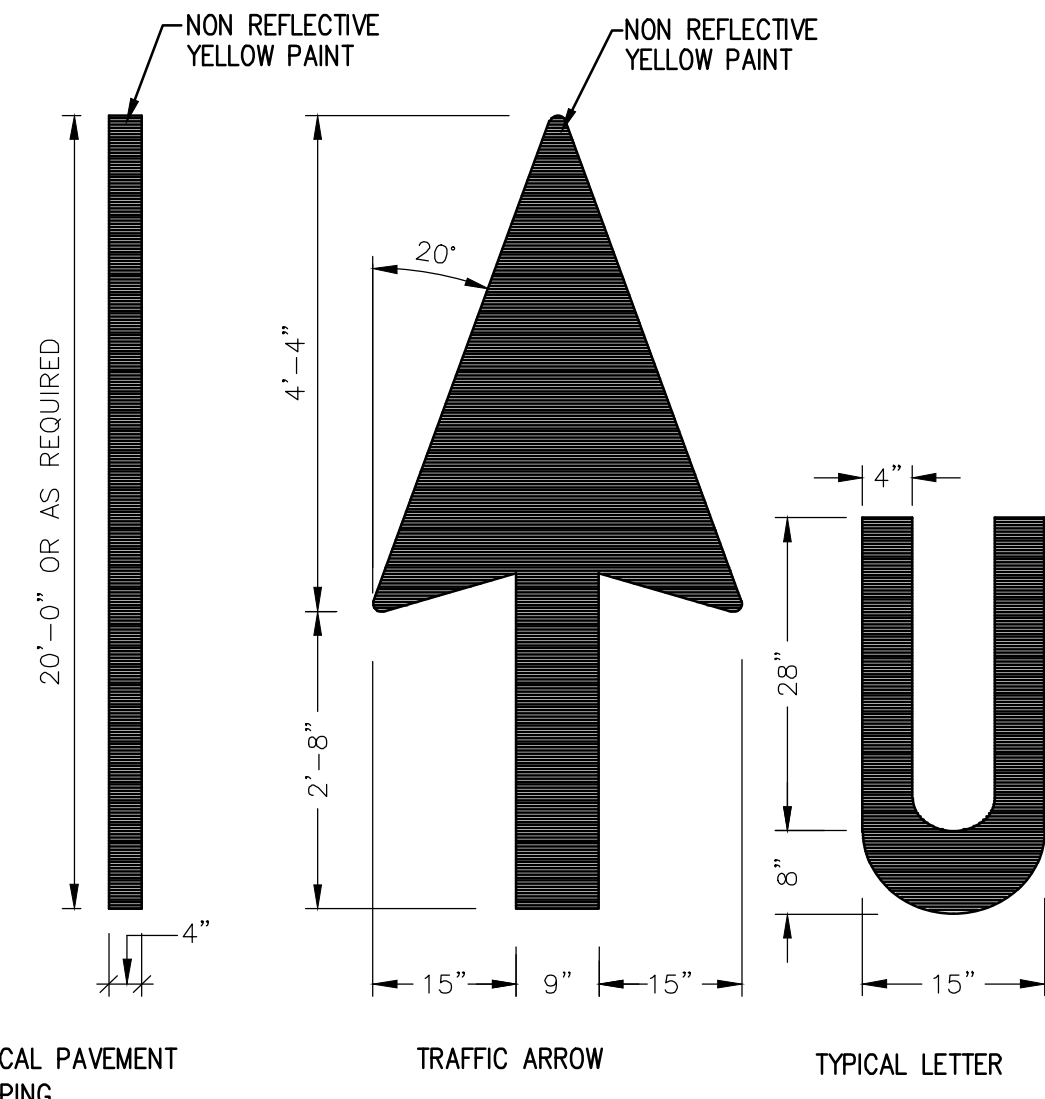
Sheet Number:

C2

- PARKING LOT NOTES:**
1. PARKING STALLS MUST BE STRIPED WITH A 4 INCH CONTRASTING STRIPE (YELLOW ON CONCRETE AND YELLOW OR WHITE ON ASPHALT PARKING LOT).
 2. HANDICAP PARKING SPACES ARE TO BE DESIGNATED BY BLUE STRIPING & EITHER A BLUE SYMBOL ON A WHITE BACKGROUND OR A WHITE SYMBOL ON A BLUE BACKGROUND. ALL HANDICAP PARKING STALLS REQUIRE THE INSTALLATION OF THE PROPER SIGNAGE.
 3. ALL WHEEL STOPS AND CONCRETE CURBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THIS PLAN SET.
 4. ALL PARKING SPACES ARE TO BE LAID OUT IN ACCORDANCE WITH THE TYPICAL DETAIL AS SHOWN ON THIS PLAN UNLESS OTHERWISE INDICATED ON THIS PLAN.



3 PARKING LOT SIGNAGE FOOTING
N.T.S.



4 TYPICAL PAVEMENT MARKINGS
N.T.S.

NOTE:
PAINT SHALL BE APPLIED AT A THICKNESS OF 22 WET MILS AND 15 DRY MILS.

NOTE:
All signage shall be approved through a separate permit with the Building Department.

RECORD DRAWINGS

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TEMPORARY BENCHMARK #1:
"X" CUT AT NORTHWEST CORNER OF "Y" INLET
BEING S 22°22'5"W, 57 FEET FROM SOUTHWEST
CORNER OF LOT 3 BLOCK 1
ELEVATION = 547.19

TEMPORARY BENCHMARK #2:
"X" CUT AT NORTHEAST CORNER OF "Y" INLET
BEING S 41°54'53"W, 90 FEET FROM NORTHWEST
CORNER OF LOT 3 BLOCK 1
ELEVATION = 555.33

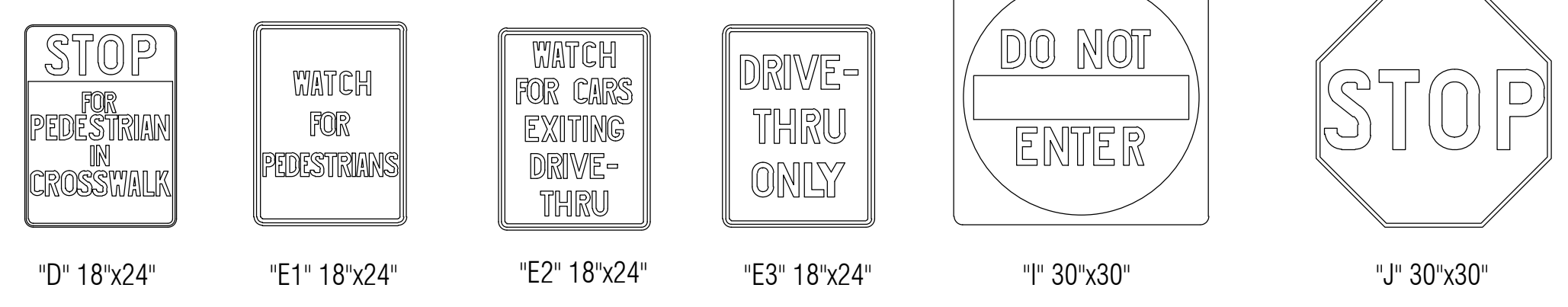
TEMP. BENCHMARK #2
"X" Cut In Conc.
ELEV. 555.33

TEMP. BENCHMARK #1
"X" Cut In Conc.
ELEV. 547.19

SIGN NOTE:
CONTRACTOR TO VERIFY SIGNS AND SIGN LOCATIONS WITH OWNER PRIOR TO INSTALLATION.

- DIRECTIONAL SIGN SCHEDULE:**
- (D) STOP FOR PEDESTRIAN IN CROSSWALK
 - (E1) WATCH FOR PEDESTRIANS
 - (E2) WATCH FOR CARS EXITING DRIVE-THRU
 - (E3) DRIVE-THRU ONLY
 - (I) DO NOT ENTER
 - (J) STOP

LOT 4, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRCT



2 STANDARD PARKING LOT SIGNS
N.T.S.

NOTE:
Contractor Shall Coordinate Handicap Signage Location Prior to Installation.

Handicap Sign W/ Van Accessible Sign (Ref. 17-C11)

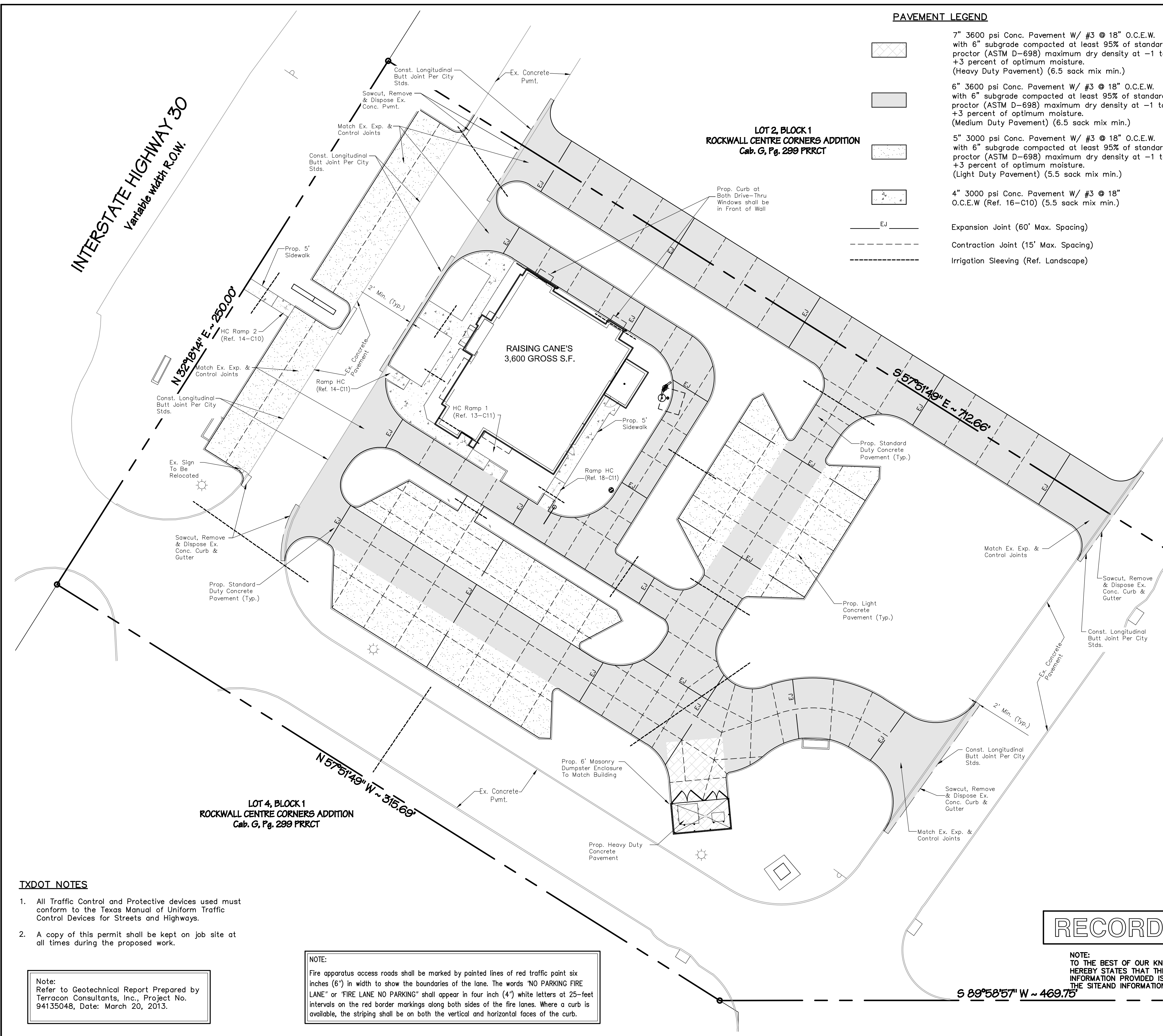
Handicap Parking (Ref. 10-C11)

Pre-Order Board by Owner, (Ref. Arch.) Verify Location

Handicap Sign (Ref. 17-C11)

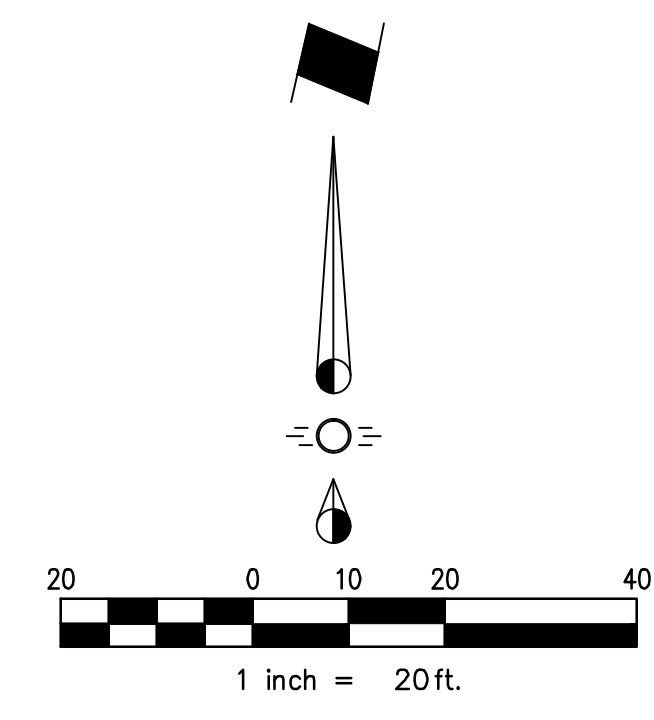
36" Pavement Lettering And Direction Arrows (Typ.) (Ref. 4-C3)

Drive-Thru Order Board (Ref. Arch.)



PAVEMENT LEGEND

- 7" 3600 psi Conc. Pavement W/ #3 @ 18" O.C.E.W. with 6" subgrade compacted at least 95% of standard proctor (ASTM D-698) maximum dry density at -1 to +3 percent of optimum moisture. (Heavy Duty Pavement) (6.5 sack mix min.)
- 6" 3600 psi Conc. Pavement W/ #3 @ 18" O.C.E.W. with 6" subgrade compacted at least 95% of standard proctor (ASTM D-698) maximum dry density at -1 to +3 percent of optimum moisture. (Medium Duty Pavement) (6.5 sack mix min.)
- 5" 3000 psi Conc. Pavement W/ #3 @ 18" O.C.E.W. with 6" subgrade compacted at least 95% of standard proctor (ASTM D-698) maximum dry density at -1 to +3 percent of optimum moisture. (Light Duty Pavement) (5.5 sack mix min.)
- 4" 3000 psi Conc. Pavement W/ #3 @ 18" O.C.E.W (Ref. 16-C10) (5.5 sack mix min.)
- Expansion Joint (60' Max. Spacing)
- Contraction Joint (15' Max. Spacing)
- Irrigation Sleeving (Ref. Landscape)



NOTES:

1. All materials and construction shall conform to the City of Rockwall Standard Details and Specifications & NCTCOG 3rd Edition.
2. It shall be the responsibility of the Contractor to protect all public utilities in the construction of this project. All manholes, cleanouts, valve boxes, fire hydrants, etc. must be adjusted to proper line and grade by the Contractor prior to and after the placing of permanent paving. Utilities must be maintained to proper line and grade during construction of this project.
3. The Contractor shall be responsible for coordinating with all the appropriate utility companies for the location of all utilities within the construction area.
4. The Paving Contractor shall not place permanent pavement until all sleeving for irrigation, electric, gas, telephone, cable TV, site lighting, etc. has been installed. It shall be the Paving Contractor's responsibility to insure that all sleeving is in place prior to placing permanent paving.
5. All paving and earthwork operations shall conform to the recommendations in the Geotechnical Investigation, Investigation by Terracon Consultants Dated 3/20/13 (Terracon Project No. 94135048) and the City Rockwall Standard Construction Details.
6. All dimensions are to face of curb or edge of building unless otherwise noted.
7. Irrigation sleeves shall be 4" PVC conduit. Ends shall be capped or temporarily plugged, red flag tied to each end and brought to surface 2' behind curb. Minimum depth shall be 18 inches below proposed grade.
8. Concrete shall have a minimum compressive strength at 28
9. Refer to Architectural Plans for exact building and related days of 3600 psi for pavement and curbs; 3000 psi for sidewalks.
10. Fences, berms walls, shrubs, trees, signs, structures, etc. are limited to a maximum height of 2 feet above the adjacent curb within visibility easements.
11. Contractor shall install traffic control for any work within R.O.W. to conform to part VI of the "Texas Manual on Uniform Traffic Control Devices."
12. Reference Site Details (Sheet C10) for pavement section details.
13. Longitudinal (Key) Joints (5C10) shall be placed as necessary.
14. Contractor shall extend all paving joints through curbs.
15. Contractor shall verify building and parking lot layout with the Architect prior to forming of buildings, walks and parking lot areas.
16. Contractor shall back fill against top of curbs at 4:1 max. slope to existing grade unless noted otherwise.
17. Slope of paving shall not exceed 2% at handicap accessible spaces.
18. Contractor shall grade pavement around sidewalks & curbs for positive drainage to an inlet or designated drainage area.
19. All landings at doors to be flush with finish floor.
20. Restripe the existing Fire Lane. Fire apparatus access roads shall be marked by painted line of red traffic paint six inches (6") in width to show the boundaries of the lane. The words "NO PARKING FIRE LANE" or "FIRE LANE NO PARKING" shall appear in four inch (4") white letters at 25-foot intervals on the red border markings along both sides of the fire lanes. Where a curb is available, the striping shall be on both the vertical and horizontal faces of the curb.

TXDOT NOTES

1. All Traffic Control and Protective devices used must conform to the Texas Manual of Uniform Traffic Control Devices for Streets and Highways.
2. A copy of this permit shall be kept on job site at all times during the proposed work.

Note:
Refer to Geotechnical Report Prepared by Terracon Consultants, Inc., Project No. 94135048, Date: March 20, 2013.

NOTE:
Fire apparatus access roads shall be marked by painted lines of red traffic paint six inches (6") in width to show the boundaries of the lane. The words "NO PARKING FIRE LANE" or "FIRE LANE NO PARKING" shall appear in four inch (4") white letters at 25-foot intervals on the red border markings along both sides of the fire lanes. Where a curb is available, the striping shall be on both the vertical and horizontal faces of the curb.

RECORD DRAWINGS

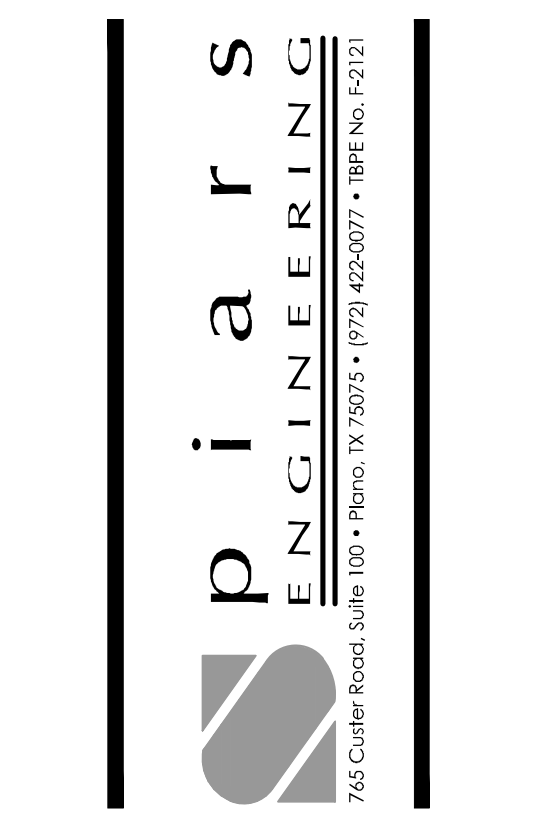
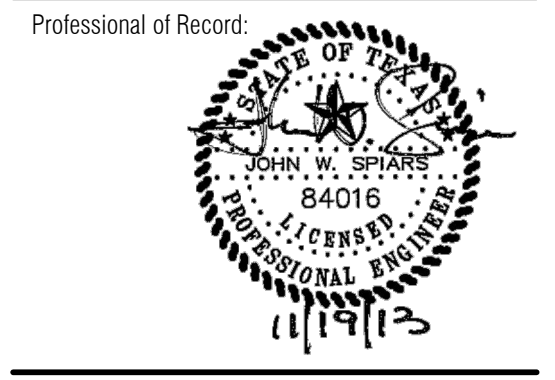
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TEMPORARY BENCHMARK #1:
"X" CUT AT NORTHWEST CORNER OF "Y" INLET BEING S 22°22'5"W, 57 FEET FROM SOUTHWEST CORNER OF LOT 3 BLOCK 1
ELEVATION = 547.19

TEMPORARY BENCHMARK #2:
"X" CUT AT NORTHEAST CORNER OF "Y" INLET BEING S 41°45'3"W, 90 FEET FROM NORTHWEST CORNER OF LOT 3 BLOCK 1
ELEVATION = 555.33



Store:
Raising Cane's
East Interstate 30
Rockwall, TX 75087
Prototype 1
Store # 152



Architect Information:
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Prototype Issue Date: X

Design Bulletin Updates:

Date Issued:	Bulletin Number:
-	-

FOR REVIEW

Revisions:

#	Date	Description

Sheet Title:
PAVING PLAN

Date: April 19, 2013

Project Number: SEI No. 13-034

Drawn By: MPC

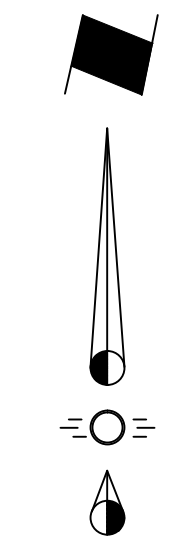
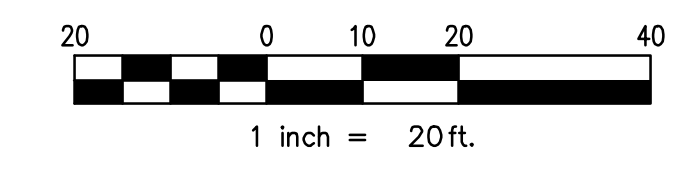
Sheet Number:

C3

INTERSTATE HIGHWAY 30
Variable Width R.O.W.

LOT 2, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT

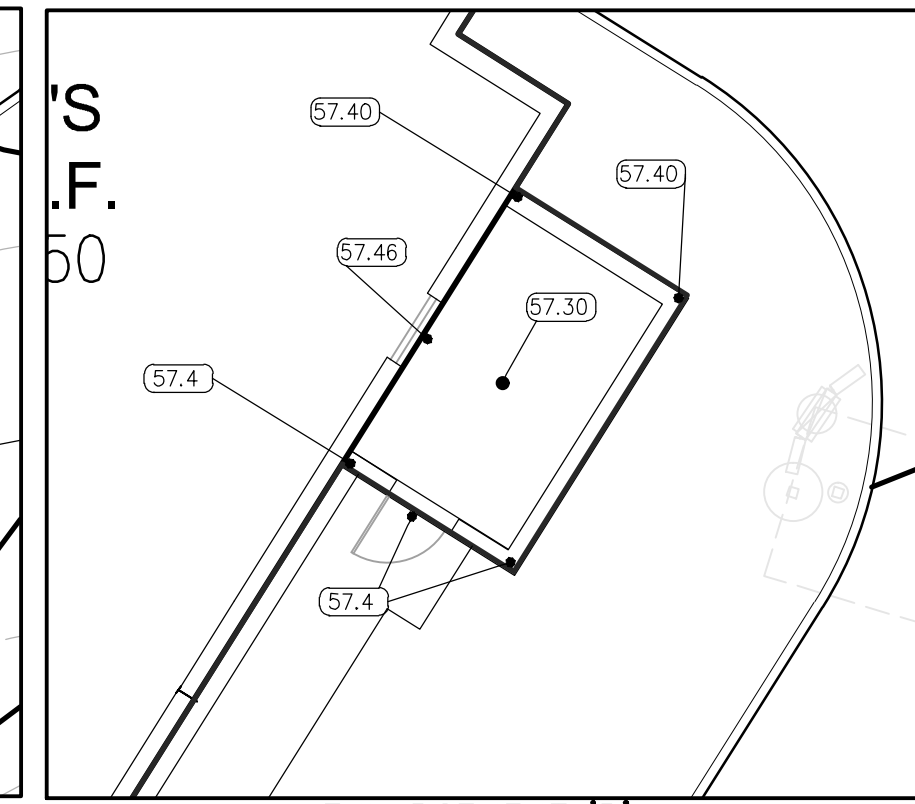
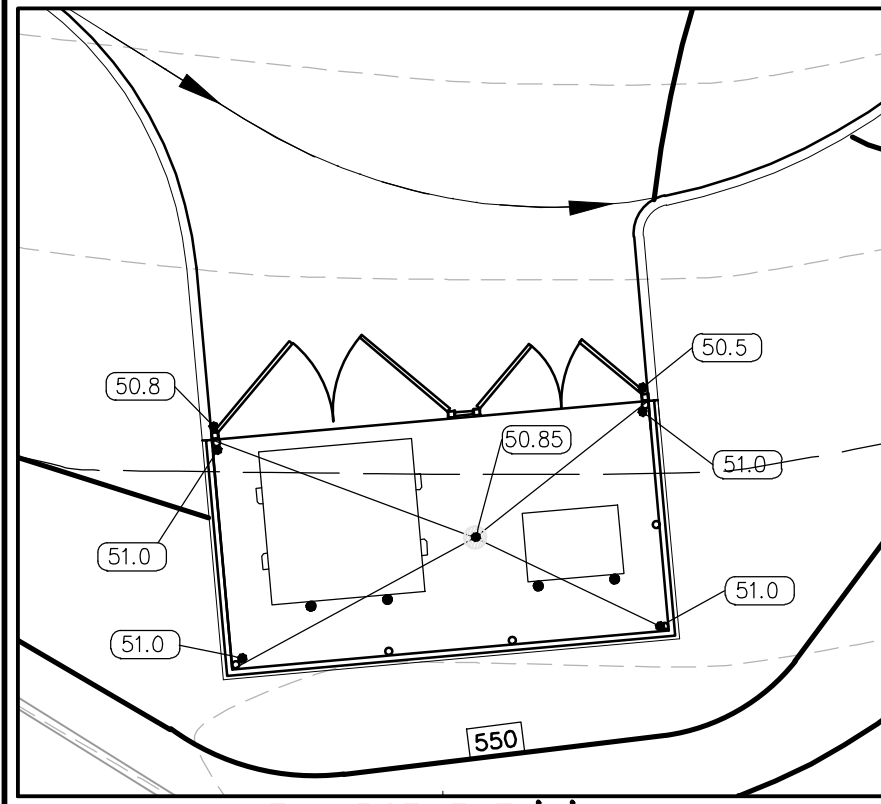
CAUTION!!
Underground Utilities.
Contact Appropriate Utility
Companies 48 Hrs. Prior
To Excavation.



RAISING CANE'S
3,600 GROSS S.F.
Fin Flr. = 557.50

1- Riser @ 0.4'

LOT 4, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT



LEGEND

- 97.4 Proposed Spot Elevation
- × TC=590.19
GU=589.71 Existing Spot Elevation
- Proposed Contour
- Existing Contour
- Direction Of Flow

GENERAL NOTES:

1. All materials and construction shall conform to the City of Rockwall Standard Details and Specifications and NCTCOG 3rd Edition, except as noted herein and approved by the City.
2. Contractor shall be responsible for maintaining trench safety requirements in accordance with City Standards, Texas State Law, and O.S.H.A. Standards for all excavation in excess of five feet in depth.
3. The location of all utilities located on these plans are taken from existing public records. The exact location and elevation of all public utilities must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
4. It shall be the responsibility of the Contractor to protect all public utilities in the construction of this project. All manholes, clean-outs, valve boxes, fire hydrants, etc. must be adjusted to proper line and grade by the Contractor prior to and after the placing of permanent paving. Utilities must be maintained to proper line and grade during construction of the paving for this development.
5. Care should be taken that fill materials and areas to receive fill are relatively free of vegetation, roots, debris, large rocks or other objectionable material. Fill shall be placed in accordance with the recommendations provided in the Geotechnical investigation.
6. Drainage should be maintained away from the foundations, both during and after construction.
7. All earthwork operations, pavement installation, etc. shall conform to the Geotechnical Investigation.
8. Trees shall remain unless specified otherwise on the Landscape Plan or approved by the Owner.
9. Prior to starting construction, the Contractor shall make certain that all required permits and approvals have been obtained. No construction or fabrication shall begin until the Contractor has received and thoroughly reviewed all plans and other documents approved by all of the permitting authorities.
10. In the event an item is not covered in the City's specifications, the City Engineer's decision shall apply.
11. Barricading, traffic control, and project signs shall conform to Texas Department of Transportation standards.
12. The Contractor shall verify the suitability of all existing and proposed site conditions, including grades and dimensions before commencement of any construction. In the event of any conflict, and prior to commencement of any construction, immediately notify Engineer. Minor adjustments of finish grade to accomplish spot drainage are acceptable if necessary, upon prior approval of Engineer. All paving installed shall "flush out" at any juncture with existing paving.
13. Proposed spot elevations are finished grade elevations (top of pavement, top of sod, etc.)
14. Erosion control shall be in place prior to the disturbance of any existing surface.
15. All sidewalk and crosswalk slopes shall conform to ADA requirements as follows:
1:20 longitudinal (along the walk) max.
1:50 transverse (across the walk) max.
16. All fill to be compacted to min. 95% using a sheep's foot roller.

RECORD DRAWINGS

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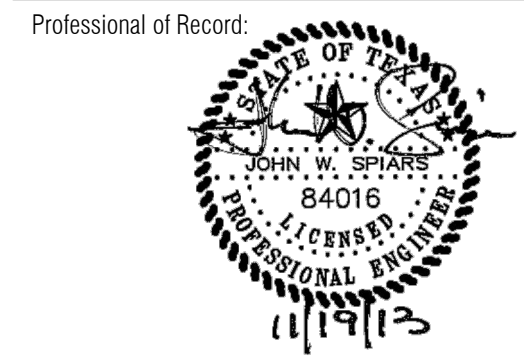
TEMPORARY BENCHMARK #1:
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ELEVATION = 547.19

TEMPORARY BENCHMARK #2:
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BEING S 41°54'53"W, 90 FEET FROM NORTHWEST
CORNER OF LOT 3 BLOCK 1
ELEVATION = 555.33



Restaurant Support Office
6800 BISHOP ROAD, PLANO, TEXAS 75024
Tele: 972.769.3357 Fax: 972.769.3101

Store:
Raising Cane's
East Interstate 30
Rockwall, TX 75087
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Store # 152



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Revisions:

#	Date	Description

Sheet Title:
GRADING PLAN

Date: April 19, 2013

Project Number: SEI No. 13-034

Drawn By: MPC

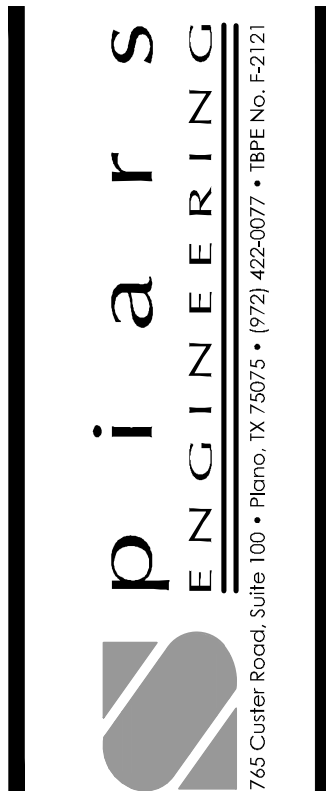
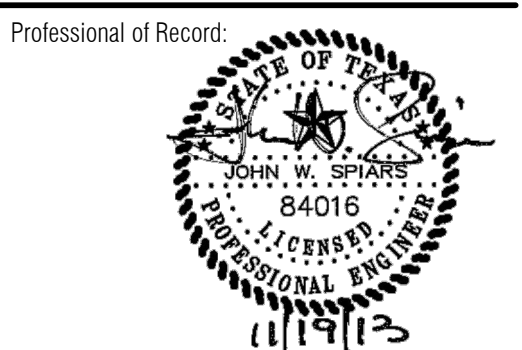
Sheet Number:

C4



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FOR REVIEW

Revisions:

#	Date	Description

Sheet Title:

DRAINAGE AREA MAP

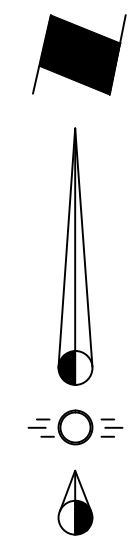
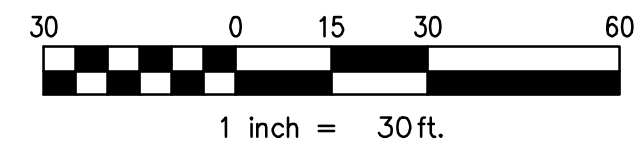
Date: April 19, 2013

Project Number: SEI No. 13-034

Drawn By: MPC

Sheet Number:

C5



Drainage Area No.	Drainage Area (Acres)	C	tc (Min.)	I100 (in./hr.)	Q100 (cfs)	Comments
A	0.87	0.9	10	9.80	7.7	To Prop. Curb Inlet
B	0.41	0.9	10	9.80	3.6	To Prop. Curb Inlet
C	0.85	0.9	10	9.80	7.5	To Ex. Drop Inlet (Undisturbed)
D	0.26	0.9	10	9.80	2.3	Sheet Flow To Ex. Inlet
E	0.06	0.9	10	9.80	0.6	Sheet Flow To Ex. Inlet
F	0.05	0.9	10	9.80	0.4	Sheet Flow To Ex. Offsite Inlet
G	0.06	0.9	10	9.80	0.5	Sheet Flow To Ex. Offsite Inlet
H	0.31	0.9	10	9.80	2.7	Sheet Flow To Ex. Inlet
I	0.07	0.9	10	9.80	0.6	Sheet Flow To Ex. Inlet
J	0.01	0.9	10	9.80	0.1	Sheet Flow To Ex. Inlet

Reference CPH Plans
Dated 5/04/2009 for
Offsite Detention.

DRAINAGE CRITERIA

Q = C I A
C = 0.90
I₁₀₀ = 9.8 in/hr
tc = 10 Min.

D.A. No. → A

→ Acres

→ Q₁₀₀ (cfs)

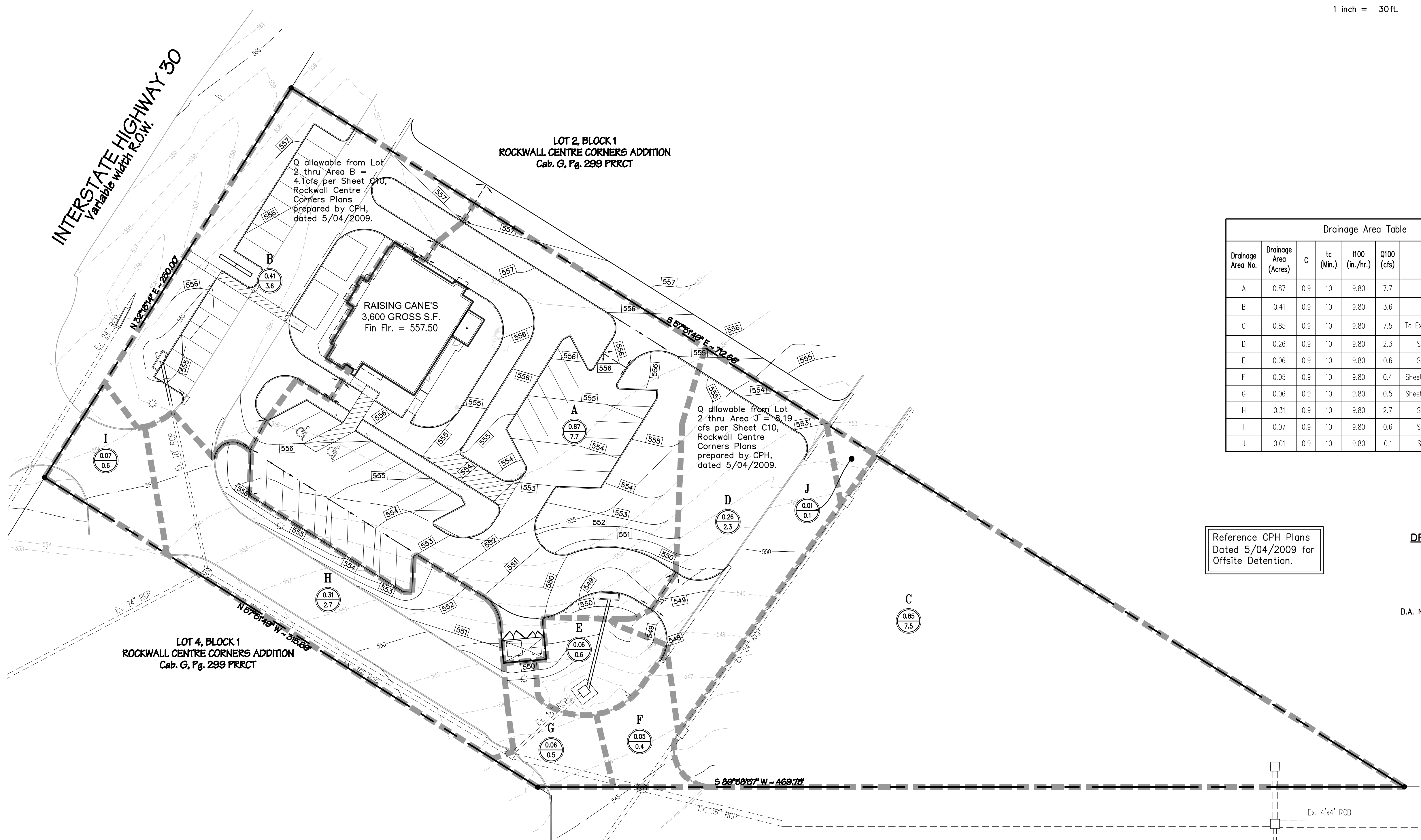
--- Drainage Divide Line

RECORD DRAWINGS

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LOT 4, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT

LOT 2, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRRCT

LOT 8, BLOCK 1
ROCKWALL CENTRE
CORNERS ADDITION
REPLAT
Cab. G, Pg. 380 PRRCT

Q allowable from Lot 2 thru Area B = 4.1cfs per Sheet C10, Rockwall Centre Corners Plans prepared by CPH, dated 5/04/2009.

Q allowable from Lot 2 thru Area J = 8.19 cfs per Sheet C10, Rockwall Centre Corners Plans prepared by CPH, dated 5/04/2009.

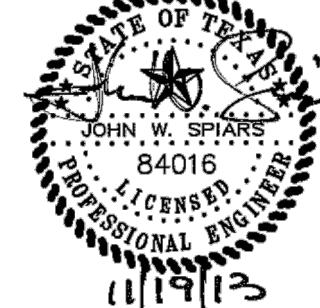
RAISING CANE'S
3,600 GROSS S.F.
Fin Flr. = 557.50



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Prototype 1
Store # 152

Professional of Record:



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#	Date	Description

Sheet Title:

DRAINAGE PLAN

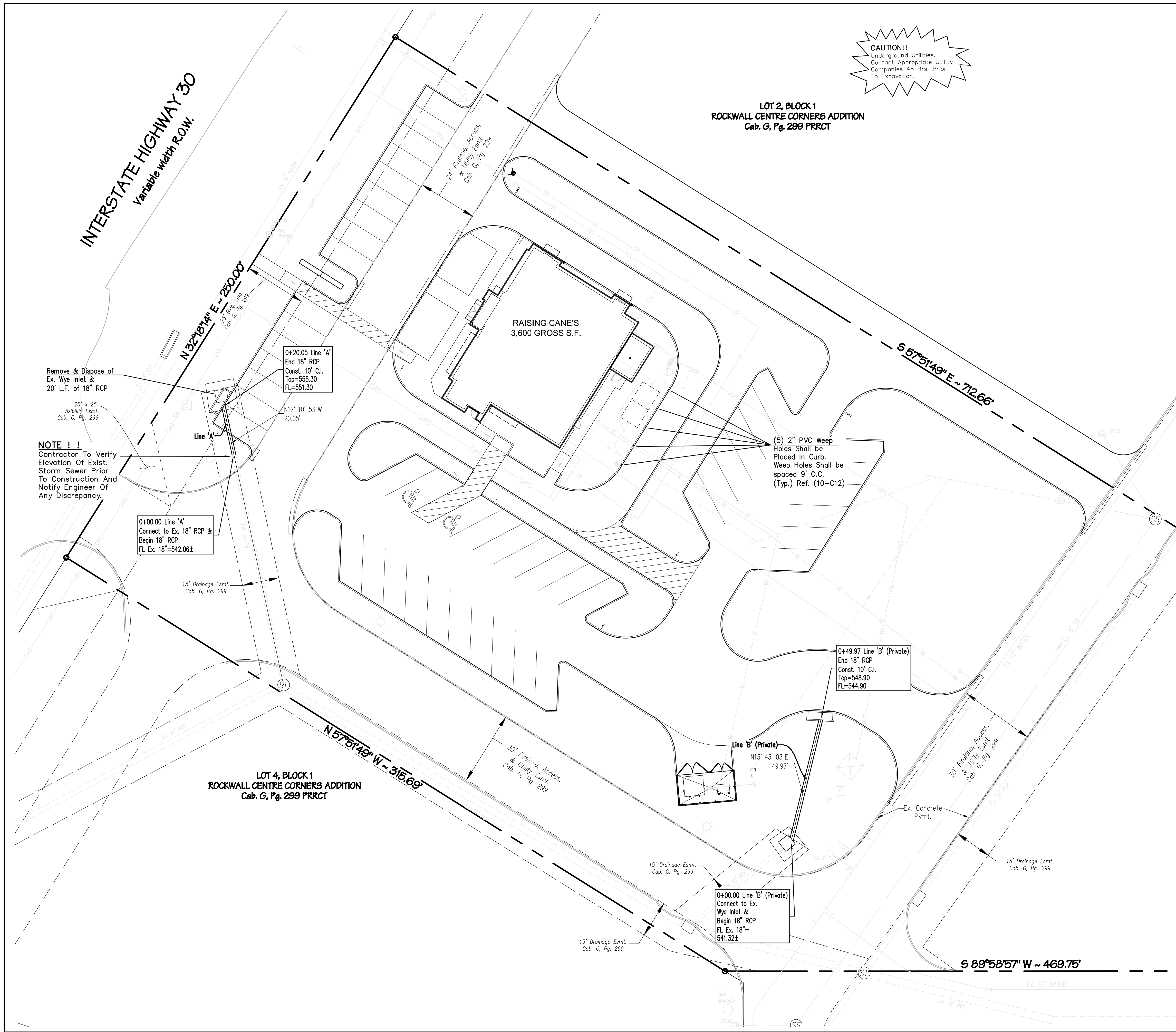
Date: April 19, 2013

Project Number: SEI No. 13-034

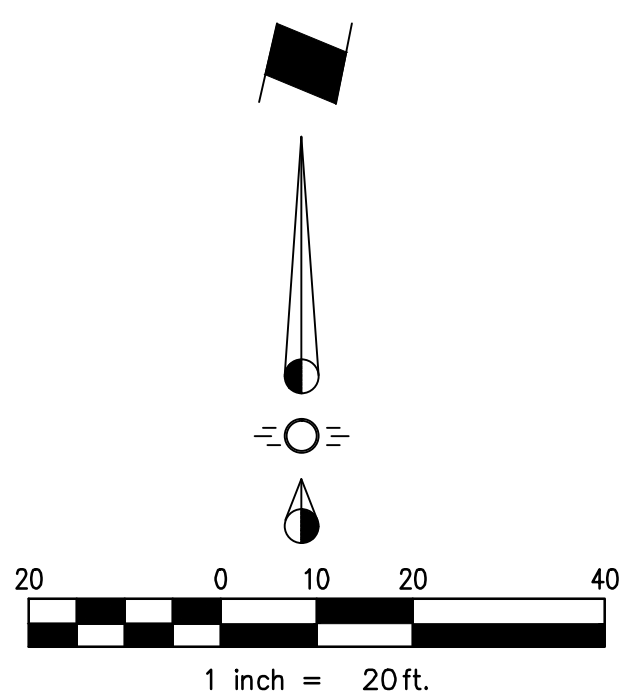
Drawn By: MPC

Sheet Number:

C6



CAUTION!
Underground Utilities.
Contact Appropriate Utility Companies 48 Hrs. Prior To Excavation.



GENERAL NOTES

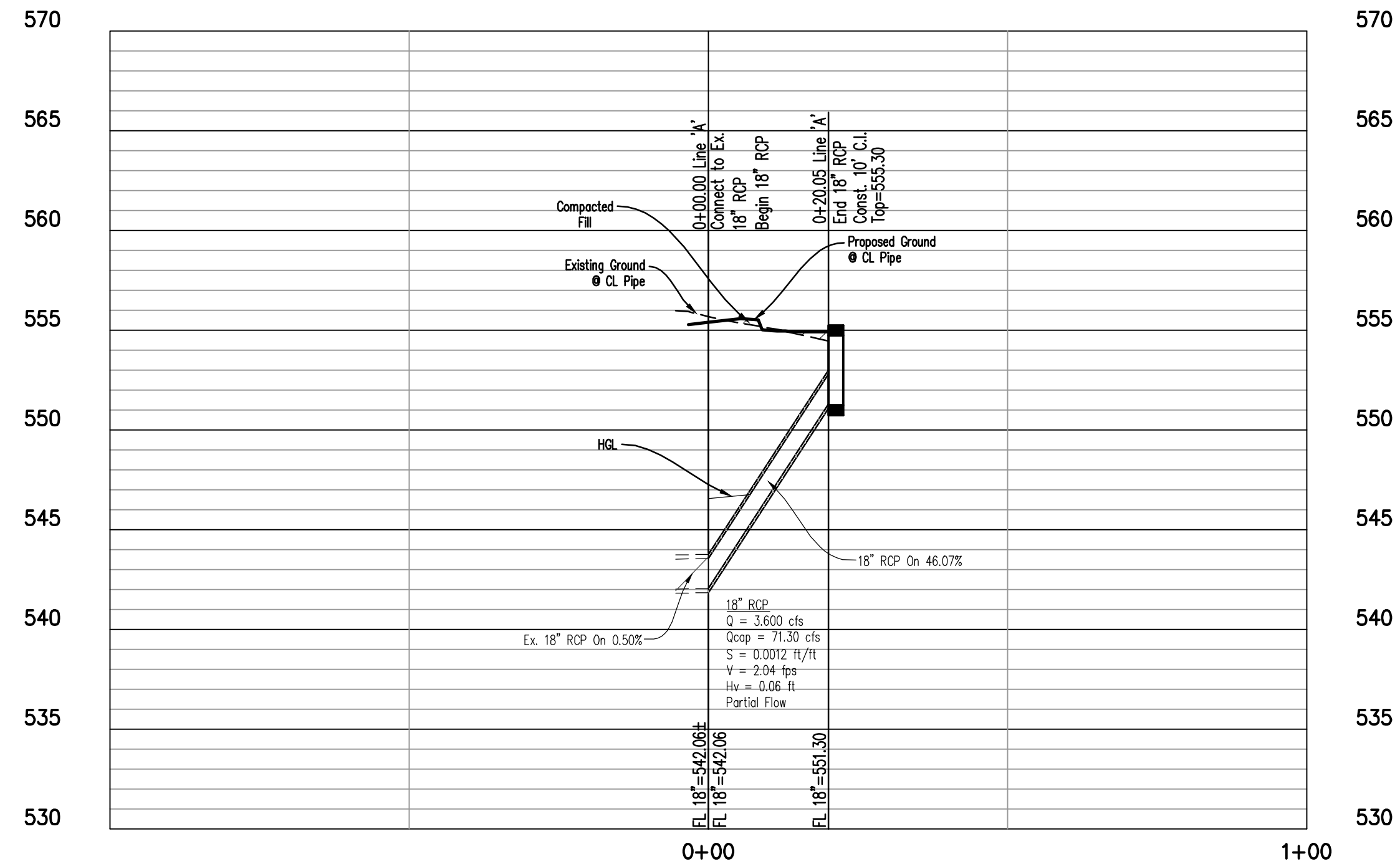
- All materials and construction shall conform to the City of Rockwall Standards and Specifications, except as noted herein and approved by the City & NCTCOG 3rd Edition.
- Contractor shall be responsible for maintaining trench safety requirements in accordance with City Standards, Texas State Law, and O.S.H.A. Standards for all excavation in excess of five feet in depth.
- The location of all utilities located on these plans are taken from existing public records. The exact location and elevation of all public utilities must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
- It shall be the responsibility of the Contractor to protect all public utilities in the construction of this project. All manholes, clean-outs, valve boxes, fire hydrants, etc. must be adjusted to proper line and grade by the Contractor prior to and after the placing of permanent paving. Utilities must be maintained to proper line and grade during construction of the paving for this development.
- The General Contractor and all sub-contractors shall verify the suitability of all existing and proposed site conditions, including grades and dimensions before commencement of any construction. In the event of any conflict and prior to commencement of any construction, immediately notify the Engineer. Minor adjustments of finished grade to accomplish spot drainage is acceptable, if necessary, upon prior approval of Engineer. Paving installed shall 'flush out' at any juncture with existing paving.
- Drainage should be maintained away from the foundations, both during and after construction.
- Backfill for utility lines should be carefully placed so that they will be stable. Where utility lines pass through the parking lot, the top 6" should be compacted similarly to the remainder of the lot. Utility ditches should be visually inspected during the excavation process to ensure that undesirable fill is not used.
- If rock is encountered in the trench, rock spoil shall not be used in the upper 1.5 feet of the trench.
- Four-foot RCP sections with beveled ends shall be used if pipe radius is less than 100 feet.
- All storm sewer pipe 18" and larger shall be Class III RCP. All storm sewer pipe 15" and smaller shall be SDR-35 PVC, ADS N-12 pipe, or approved equal.
- Erosion control shall be in place prior to the disturbance of any surface.

RECORD DRAWINGS

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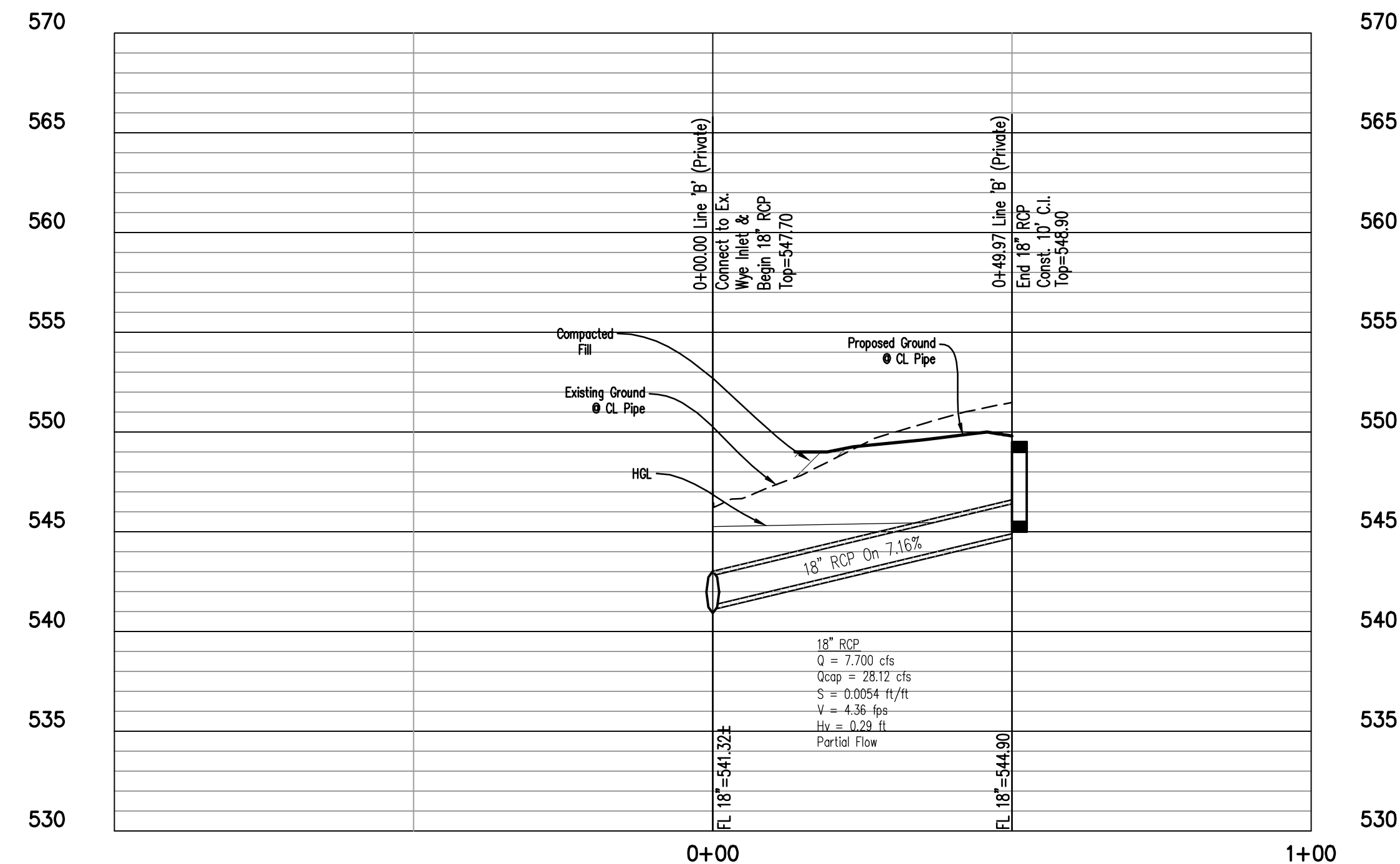
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ELEVATION = 555.33



Storm Line 'A'

1" = 20' : H
1" = 6' : V



Storm Line 'B' (Private)

1" = 20' : H
1" = 6' : V

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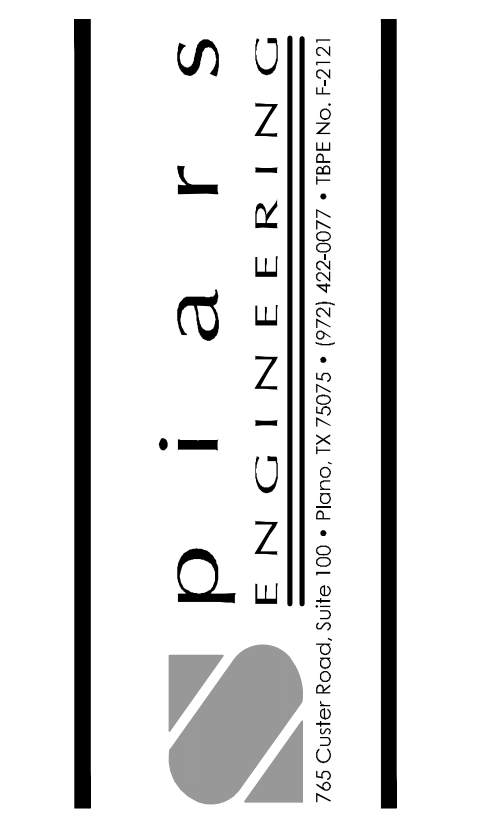
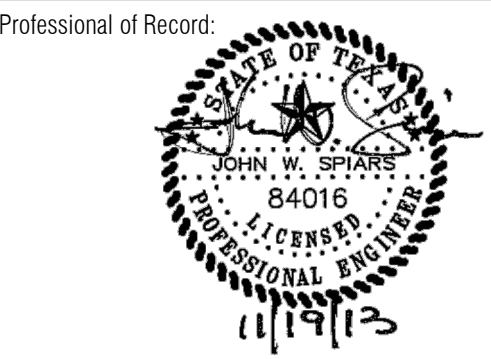
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Prototype 1
Store # 152



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Date Issued:	Bulletin Number:
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Revisions:

#	Date	Description

Sheet Title:
STORM SEWER PROFILES

Date: April 19, 2013

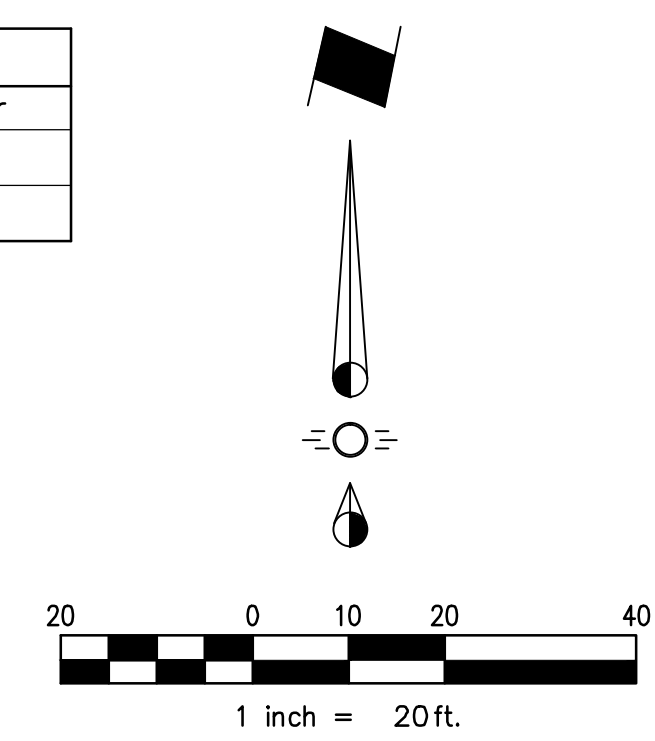
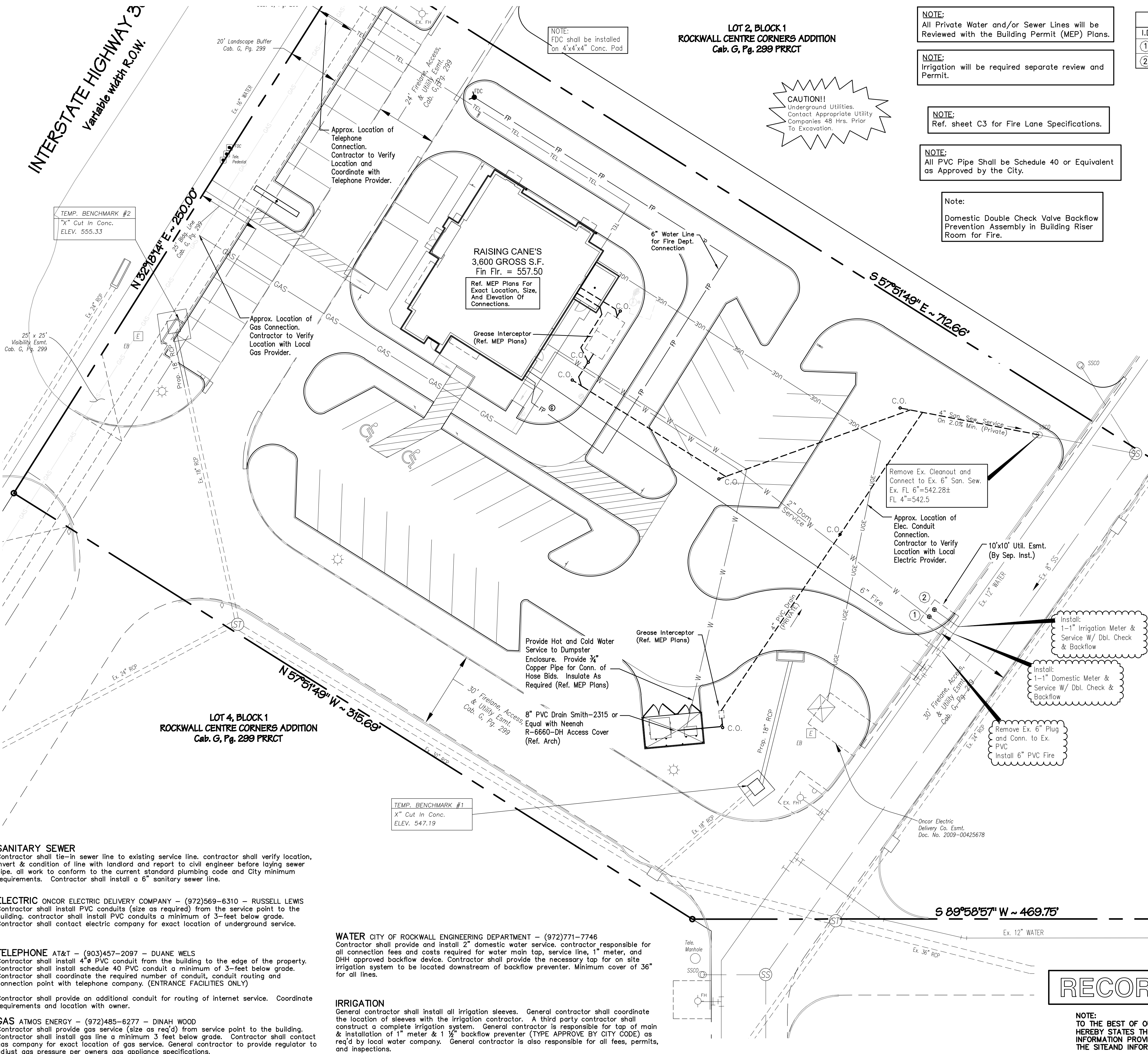
Project Number: SEI No. 13-034

Drawn By: MPC

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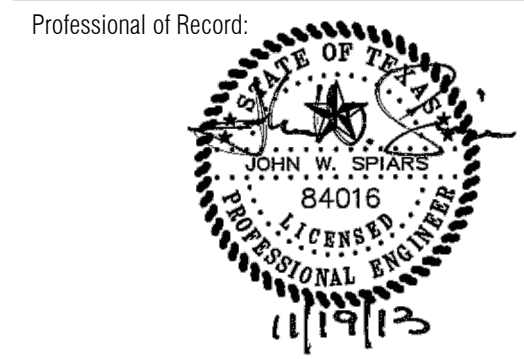
C7

INTERSTATE HIGHWAY 30
Variable Width R.O.W.



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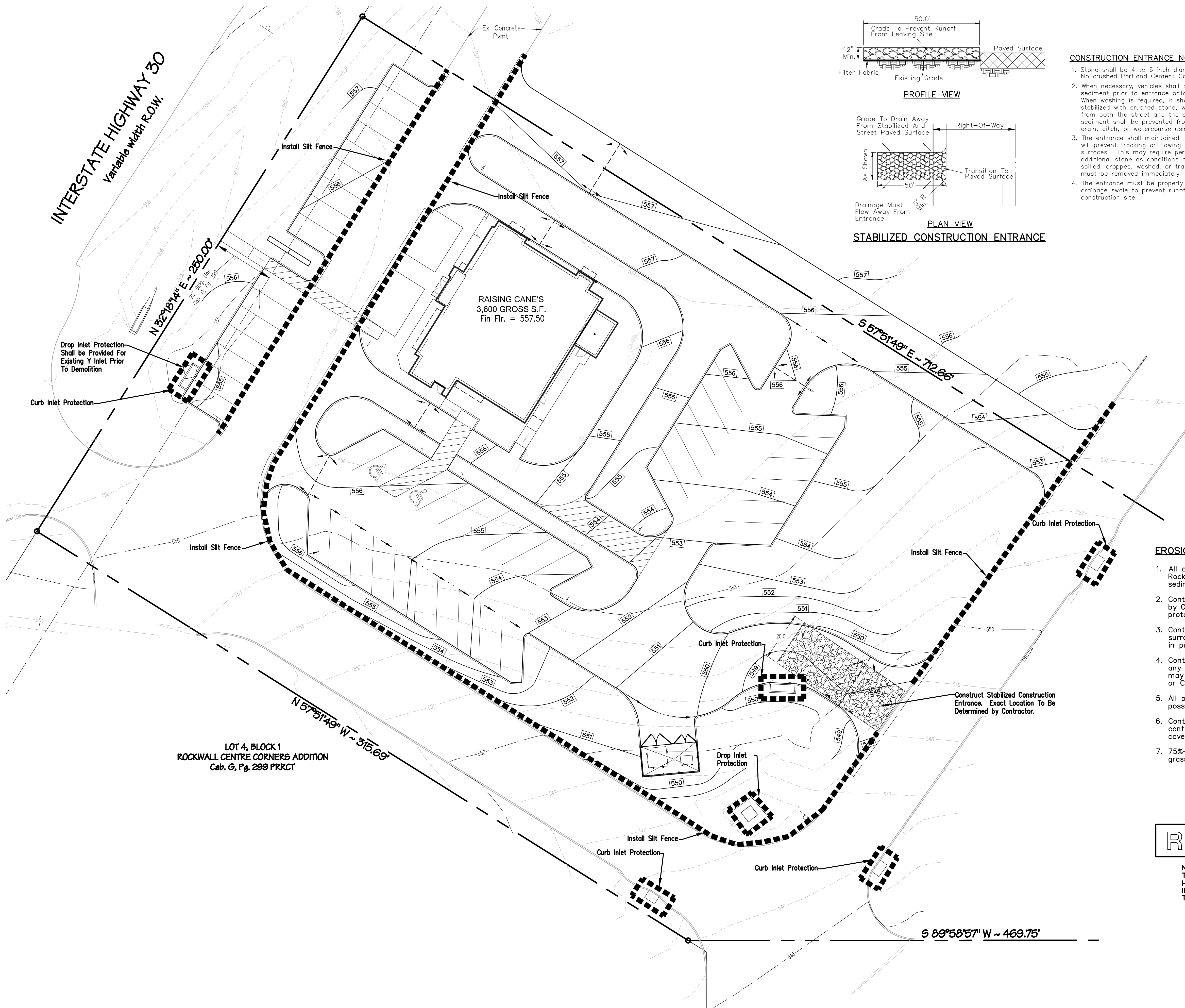
#	Date	Description

Sheet Title:
UTILITY PLAN

Date: April 19, 2013
Project Number: SEI No. 13-034
Drawn By: MPC
Sheet Number:

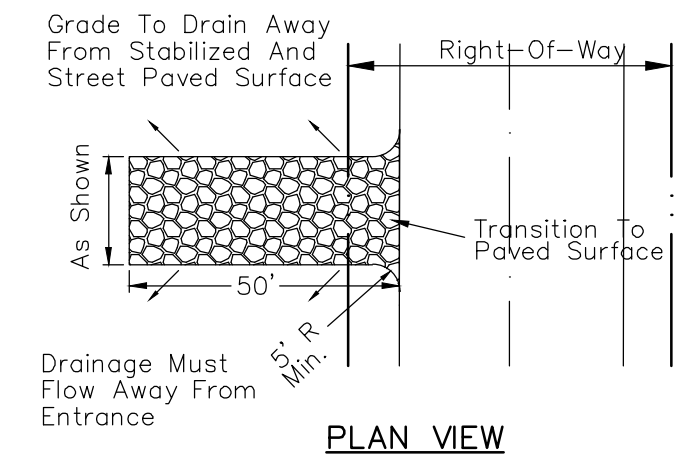
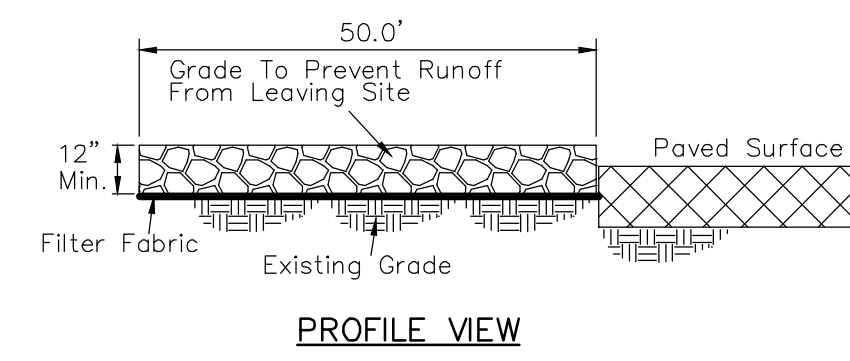
C8

INTERSTATE HIGHWAY 30
Variable Width R.O.W.



RAISING CANE'S
3,600 GROSS S.F.
Fin Fl. = 557.50

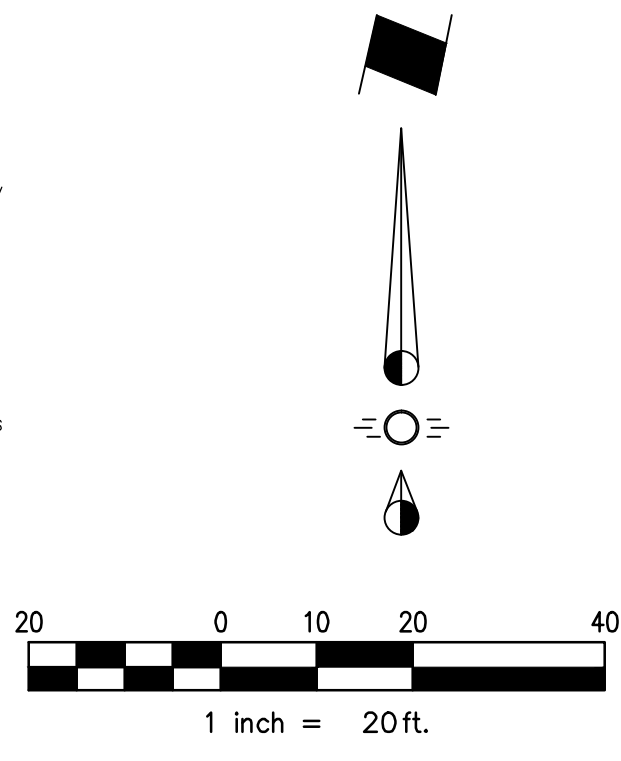
LOT 4, BLOCK 1
ROCKWALL CENTRE CORNERS ADDITION
Cab. G, Pg. 299 PRCT



STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION ENTRANCE NOTES

1. Stone shall be 4 to 6 inch diameter crushed rock. No crushed Portland Cement Concrete allowed.
2. When necessary, vehicles shall be cleaned to remove sediment prior to entrance onto a public roadway. When washing is required, it shall be done on an area stabilized with crushed stone, with drainage flowing away from both the street and the stabilized entrance. All sediment shall be prevented from entering any storm drain, ditch, or watercourse using approved methods.
3. The entrance shall maintained in a condition which will prevent tracking or flowing of sediment onto paved surfaces. This may require periodic top dressing with additional stone as conditions demand. All sediment spilled, dropped, washed, or tracked onto paved surfaces must be removed immediately.
4. The entrance must be properly graded, or incorporate a drainage swale to prevent runoff from leaving the construction site.



Total Disturbed Area = ±1.2 Acres

NOTE:
Owner and Contractor to be responsible for submitting N.O.I. (Notice Of Intent) prior to beginning any construction. Owner and Contractor also to submit N.O.T. (Notice Of Termination).

EROSION CONTROL NOTES

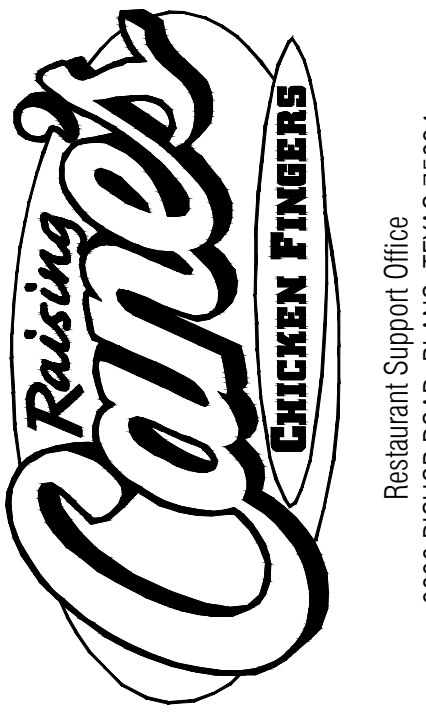
1. All construction and materials shall conform to the City of Rockwall Standards and Specifications for erosion and sediment control.
2. Contractor shall install silt fences as shown and as required by Owner's engineer or City of Rockwall if additional erosion protection is needed.
3. Contractor shall control mud accumulation on all streets surrounding the project. No mud accumulation will be allowed in public streets.
4. Contractor shall Maintain all filters during construction to prevent any blockages from accumulated sediment. Additional silt fences may be required during construction as specified by engineer or City Inspector.
5. All proposed parking areas are to be paved as soon as possible after subgrade is prepared.
6. Contractor shall remove all temporary erosion and sediment controls only when there is a sufficient growth of ground cover to prevent erosion.
7. 75%-80% of all disturbed areas to have a minimum of 1" tall grass prior to engineering site acceptance.

RECORD DRAWINGS

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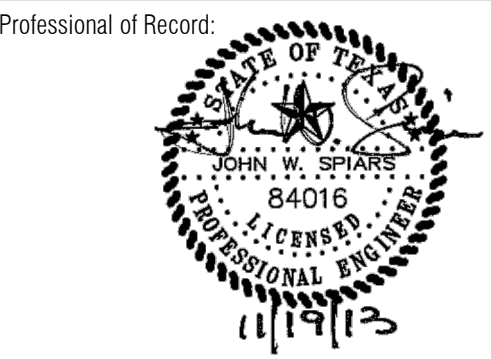
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Sheet Title:

EROSION CONTROL PLAN

Date: April 19, 2013

Project Number: SEI No. 13-034

Drawn By: MPC

Sheet Number:

C9

SANDBLASTING WASTE MANAGEMENT

DESCRIPTION

The objective of the management program is to minimize the potential of storm water quality degradation from sandblasting activities at construction sites. The key issues in this program are prudent handling and storage of sandblast media, dust suppression, and proper collection and disposal of spent media. It is not the intent of this program to outline all of the worker safety issues pertinent to this practice. Safety issues should be addressed by construction safety programs as well as local, state, and federal regulation. utilized at sites in which Sandblasting waste is present.

INSTALLATION/APPLICATION CRITERIA

Since the media consists of fine abrasive granules, it can be easily transported by running water. Sandblasting activities typically create a significant dust problem which must be contained and collected to prevent off-site migration problem which must be contained and collected to prevent off-site migration or fines.

Operational Procedures

Use only inert, non-degradable sandblast media.
Use appropriate equipment for the job, do not over-blast.
Wherever possible, blast in a downward direction.
Install a wind sock or other wind direction instrument.
Cease blasting activities in high winds or if wind direction could transport grit to drainage facilities.
Install dust shielding around sandblasting areas.
Collect and dispose of all spent sandblast grit, use dust containment fabrics and dust collection hoppers and barrels.
Non-hazardous sandblast grit may be disposed in permitted construction debris landfills or permitted sanitary landfills.
If sandblast media cannot be fully contained, construct sediment traps downstream from blasting area where appropriate.
Use sand fencing where appropriate in areas where blast media cannot be fully contained.
If necessary, install misting equipment to remove sandblast grit from the air – prevent runoff from misting operations from entering drainage systems.
Use vacuum grit collection systems where possible.
Keep records of sandblasting materials, procedures, and weather conditions on a daily basis.
Take all reasonable precautions to ensure that sandblasting grit is contained and kept away from drainage structures.

Educational Issues

Educate all on-site employees of potential dangers to humans and the environment from sandblast grit.
Instruct all on-site employees of the potential hazardous nature of sandblast grit and possible symptoms of overexposure to sandblast grit.
Instruct operators of sandblasting equipment on safety procedures and personal protection equipment.
Instruct operators on proper procedures regarding storage, handling, and containment of sandblast grit.
Instruct operators to recognize unfavorable weather conditions regarding sandblasting activities.
Instruct operators and supervisors on current local, state, and federal regulations regarding fugitive dust and hazardous waste from sandblast grit.
Have weekly meetings with operators to discuss and reinforce proper operational procedures.
Establish a continuing education program to indoctrinate new employees.

Material Handling Recommendations

Sandblast media should always be stored under cover away from drainage structures.
Ensure that stored media or grit is not subject to transport by wind.
Ensure that all sandblasting equipment as well as storage containers comply with local, state, and federal regulations.
Refer to Hazardous Waste BMP fact sheet if sandblast grit is known or suspected to contain hazardous components.
Capture and treat runoff which comes into contact with sandblasting material or waste.
Foreman and/or construction supervisor should monitor all sandblasting activities and safety procedures.

Quality Assurance

Educate, and if necessary, discipline workers who violate procedures.
Take all reasonable precautions to ensure that sandblast grit is not transported off-site or into drainage facilities.

Requirements

Education and awareness program for all employees regarding control of sandblasting and potential dangers to humans and the environment.
Operator and supervisor education program for those directly involved in sandblasting activities – instructions on material handling, proper equipment operation, personal protective equipment, fugitive dust control, record keeping and reporting, fugitive dust control, record keeping and reporting.
Proper sandblast equipment for the job.
Site-specific fugitive dust control and containment equipment.
Site-specific fugitive dust control procedure.
Compliance by supervisors and workers.

Costs

Minimal cost for training and monitoring.
Potential for significant cost for containment procedures on large jobs.
Potential for significant costs associated with cleanup, correction and remediation if containment occurs.

LIMITATIONS

Site specific solutions to sandblasting problems may be required.
Sandblasting operations on structures known to contain hazardous materials require special procedures not specifically outlined above including professional hazardous waste specialists.
Where hazardous materials are known or suspected, a site assessment and remediation plan may be necessary.
This management program is one part of a comprehensive construction site waste management program.

HAZARDOUS WASTE MANAGEMENT

DESCRIPTION

The hazardous waste management BMP addresses the problem of storm water polluted with hazardous waste through spills or other forms of contact. The Objective of the Management Program is to minimize the potential of Storm water contamination from common construction site hazardous wastes Through appropriate recognition, handling, storage, and disposal practices.

It is not the intent of this Management Program to supersede or replace normal site assessment and remediation procedures. 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. The General Permit requires reporting Of significant spills to the National Response Center (NRC) at (800)424-8802.

PRIMARY USE

These management practices along with applicable OSHA and EPA guidelines Should be incorporated at all construction sites which use or generate Hazardous wastes. Many wastes such as fuel, oil, grease, fertilizer, and pesticide Are present at most construction sites.

INSTALLATION, APPLICATION AND DISPOSAL CRITERIA

The hazardous waste management techniques presented here are based on Proper recognition, handling, and disposal practices by construction workers And supervisors. Key elements of the management program are education, Proper disposal practices, as well as provisions for safe storage and disposal. Following are lists describing the targeted materials and recommended procedures:

Targeted Hazardous Waste Materials

Paints
Solvents
Stains
Wood preservatives
Cutting oils
Greases
Roofing tar
Pesticides
Fuel and lube oils
Lead based paints (Demolition)

Storage Procedures

Whenever possible, minimize use of hazardous materials.
Minimize generation of hazardous wastes on the job-site.
Segregate potentially hazardous waste from non-hazardous Construction site debris.
Designate a foreman or supervisor to oversee hazardous materials Handling procedures.
Keep liquid or semi-liquid hazardous waste in appropriate containers (closed drums or similar) and under cover.
Other enclosed trash container that limits contact with rain and.
Store waste materials away from drainage ditches, swales, and catch basins.
Use containment berms in fueling and maintenance areas and where the potential for spills is high.
Ensure that adequate hazardous waste storage volume is available.
Ensure that hazardous waste collection containers are conveniently located.
Do not allow potentially hazardous waste materials to accumulate on the ground.
Enforce Hazardous waste handling and storage procedures.
Clearly mark on all hazardous waste containers which materials are acceptable for the container.

Disposal Procedures

Regularly schedule hazardous waste removal to minimize on-site storage.
Use only reputable, licensed hazardous waste haulers.

Education

Instruct workers in identification of hazardous waste
Educate workers of potential dangers to humans and the environment from hazardous wastes
Instruct workers on safety procedures for common construction site hazardous wastes
Educate all workers on hazardous waste storage and disposal procedures
Have regular meetings to discuss and reinforce identification, handling and disposal procedures (incorporate in regular safety seminars).
Establish a continuing education program to indoctrinate new employees

Quality Assurance

Foreman and/or construction supervisor shall monitor on-site hazardous waste storage and disposal procedures.
Educate, and if necessary, discipline workers who violate procedures.
Ensure that the hazardous waste disposal contractor is reputable and licensed.

Requirements

Job-site waste handling and disposal education and awareness program
Commitment by management to implement hazardous waste management practices.
Compliance by workers.
Sufficient and appropriate hazardous waste storage containers.
Timely removal of stored hazardous waste materials.

Costs

Possible modest cost impact for additional hazardous storage containers.
Small cost impact for training and monitoring
Potential cost impact for hazardous waste collection and disposal by licensed hauler – actual cost depends on type of material and volume.

LIMITATIONS

This practice is not intended to address site-assessments and pre-existing contamination.
Major contamination, large spills and other serious hazardous waste incidents require immediate response from specialists.
Demolition activities and potential pre-existing materials, such as asbestos, are not addressed by this program. Site specific information on plans is necessary.
Contaminated soils are not addressed.
One part of a comprehensive construction site waste management program.

SOLID WASTE MANAGEMENT

DESCRIPTION

Large volumes of solid waste are often generated at construction sites including: packaging, pallets, wood waste, concrete waste, soil, electrical wiring, cuttings, and a variety of other materials. The solid waste management practice lists techniques to minimize the potential of storm water contamination from solid waste through appropriate storage and disposal practices.

PRIMARY USE

These practices should be a part of all construction practices. By limiting the trash and debris on site, storm water quality is improved along with reduced clean up requirements at the completion of the project.

APPLICATIONS

The solid waste management practice for construction sites is based on proper storage and disposal practices by construction workers and supervisors. Key elements of the program are education and modification of improper disposal habits. Cooperation and vigilance is required on the part of supervisors and workers to ensure that the recommendations and procedures are followed. Following are lists describing the targeted materials and recommended procedures:

Targeted Solid Waste Materials

Paper and cardboard containers
Plastic packaging
Styrofoam packing and forms
Insulation materials (non-hazardous)
Wood pallets
Wood cuttings
Pipe and electrical cuttings
Concrete, brick, and mortar waste
Shingle cuttings and waste
Roofing tar
Steel (cuttings, nails, rust residue)
Gypsum board cuttings and waste
Sheathing cuttings and waste
Miscellaneous cutting and waste
Food waste
Demolition waste

Storage Procedures

Wherever possible, minimize production of solid waste materials.
Designate a foreman or supervisor to oversee and enforce proper solid waste procedures.
Instruct construction workers in proper solid waste procedures.
Segregate potentially hazardous waste from non-hazardous construction site debris.
Keep solid waste materials under cover in either a closed dumpster or other enclosed trash container that limits contact with rain and runoff.
Store waste materials away from drainage ditches, swales and catch basins.
Do not allow trash containers to overflow.
Do not allow waste materials to accumulate on the ground.
Prohibit littering by workers and visitors.
Police site daily for litter and debris.
Enforce solid waste handling and storage procedures.

Disposal Procedures

If feasible, segregate recyclable wastes from non-recyclable waste materials and dispose of properly.
General construction debris may be hauled to a licensed construction debris landfill (typically less expensive than a sanitary landfill).
Use waste facilities approved by local jurisdiction.
Runoff which comes into contact with unprotected waste shall be directed into structural treatment such as silt fence to remove debris.

Education

Educate all workers on solid waste storage and disposal procedures.
Instruct workers in identification of solid waste and hazardous waste.
Have regular meetings to discuss and reinforce disposal procedures (incorporate in regular safety seminars).
Clearly mark on all solid waste containers which materials are acceptable.

Quality Control

Foreman and/or construction supervisor shall monitor on-site solid waste storage and disposal procedures.
Discipline workers who repeatedly violate procedures.

Requirements

Jobsite waste handling and disposal education and awareness program
Commitment by management to implement and enforce Solid Waste Management Program.
Compliance by workers.
Sufficient and appropriate waste storage containers.
Timely removal of stored solid waste materials.
Possible modest cost impact for additional waste storage containers.
Small cost impact for training and monitoring
Minimal overall cost impact.

LIMITATIONS

Only addresses non-hazardous solid waste.
One part of a comprehensive construction site management program.

SILT FENCE

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 1 FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CONCRETE WASTE MANAGEMENT

DESCRIPTION

Concrete waste at construction sites comes in two forms; 1) excess fresh concrete mix including truck and equipment washing, and 2) concrete dust and concrete debris resulting from demolition. Both forms have the potential to impact water quality through storm water runoff contact with the waste.

PRIMARY USE

Concrete waste is present at most construction sites. This BMP should be utilized at sites in which concrete waste is present

APPLICATIONS

A number of water quality parameters can be affected by introduction of concrete – especially fresh concrete. Concrete affects the pH of runoff, causing significant chemical changes in water bodies and harming aquatic life. Suspended solids in the form of both cement and aggregate dust are also Generated from both fresh and demolished concrete waste:

Current Unacceptable Waste Concrete Disposal Practices

Dumping in vacant areas on the job-site
Illicit dumping off-jobsite
Dumping into ditches or drainage facilities

Recommended Disposal Practices

Avoid unacceptable dumping practices listed above.
Develop predetermined, safe concrete disposal areas
Provide a washout area with a minimum of 6 cubic feet of containment area volume for every 10 cubic yards of concrete poured.
Never dump waste concrete illicitly or without property owners knowledge and consent.
Treat runoff from storage area through the use of structural controls as required.

Education

Drivers and equipment operators should be instructed on proper disposal and equipment washing practices (see above).
Supervisors must be made aware of the potential environmental consequences of improperly handling concrete waste.

Enforcement

The construction site manager or foreman must ensure that employees and pre-mix companies follow proper procedures for concrete disposal and equipment washing.
Employees violating disposal or equipment cleaning directives must be reeducated or disciplined if necessary.

Demolition Practices

Monitor weather and wind direction to ensure concrete dust is not entering drainage structures and surface waters.
Where appropriate, construct sediment traps or other types of sediment detention devices downstream of demolition activities.

Requirements

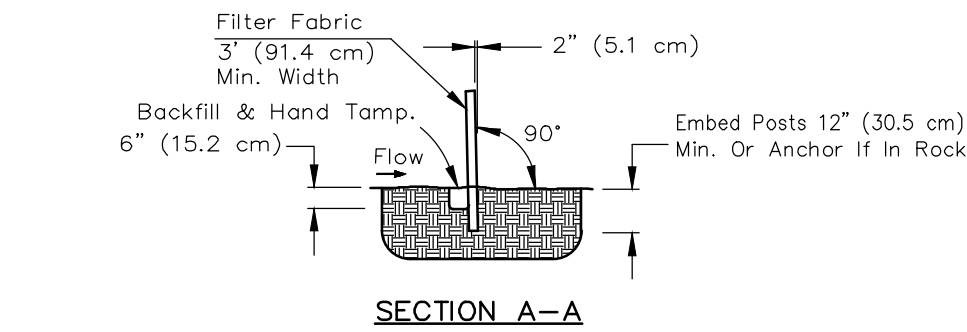
Use predetermined disposal for waste concrete.
Prohibit dumping waste concrete anywhere but predetermined areas.
Assign predetermined truck and equipment washing areas.
Educate drivers and operators on proper disposal and equipment cleaning procedures.

Costs

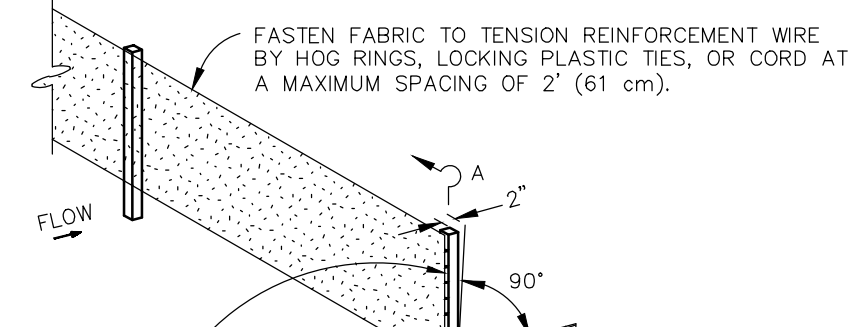
Minimal cost impact for training and monitoring.
Concrete disposal cost depends on availability and distance to suitable disposal areas.
Additional costs involved in equipment washing could be significant.

LIMITATIONS

This concrete waste management program is one part of a comprehensive construction site management program.



4' (1.2 m) MIN. STEEL POSTS SPACED AT 5' (1.8 m) TO 8' (2.4 m).



PLACE 4" (10.1 cm) TO 6" (15.2 cm) OF FABRIC AGAINST THE TRENCH SIDE AND 2" (5.1 cm) ACROSS TRENCH BOTTOM IN UPSTREAM DIRECTION. MINIMUM TRENCH SIZE SHALL BE 6" (15.2 cm) SQUARE. BACKFILL AND HAND TAMP.

SILT FENCE

RECORD DRAWINGS

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Restaurant Support Office
6800 BISHOP ROAD, PLANO, TEXAS 75024
Tele: 972 769-3357 Fax: 972 769-3101

Store:

Raising Cane's
East Interstate 30
Rockwall, TX 75087
Prototype 1
Store # 152

Professional of Record:



P I A R S
E N G I N E E R I N G
C O R P O R A T I O N



Architect Information:

CSRS
IMAGINE SHAPE DELIVER

6767 Perkins Road Suite 200 Baton Rouge, LA 70808
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www.csronline.com

Prototype Issue Date: X

Design Bulletin Updates:

Date Issued: Bulletin Number:

FOR REVIEW

Revisions:

#	Date	Description

Sheet Title:

STORMWATER POLLUTION PREVENTION GUIDELINES

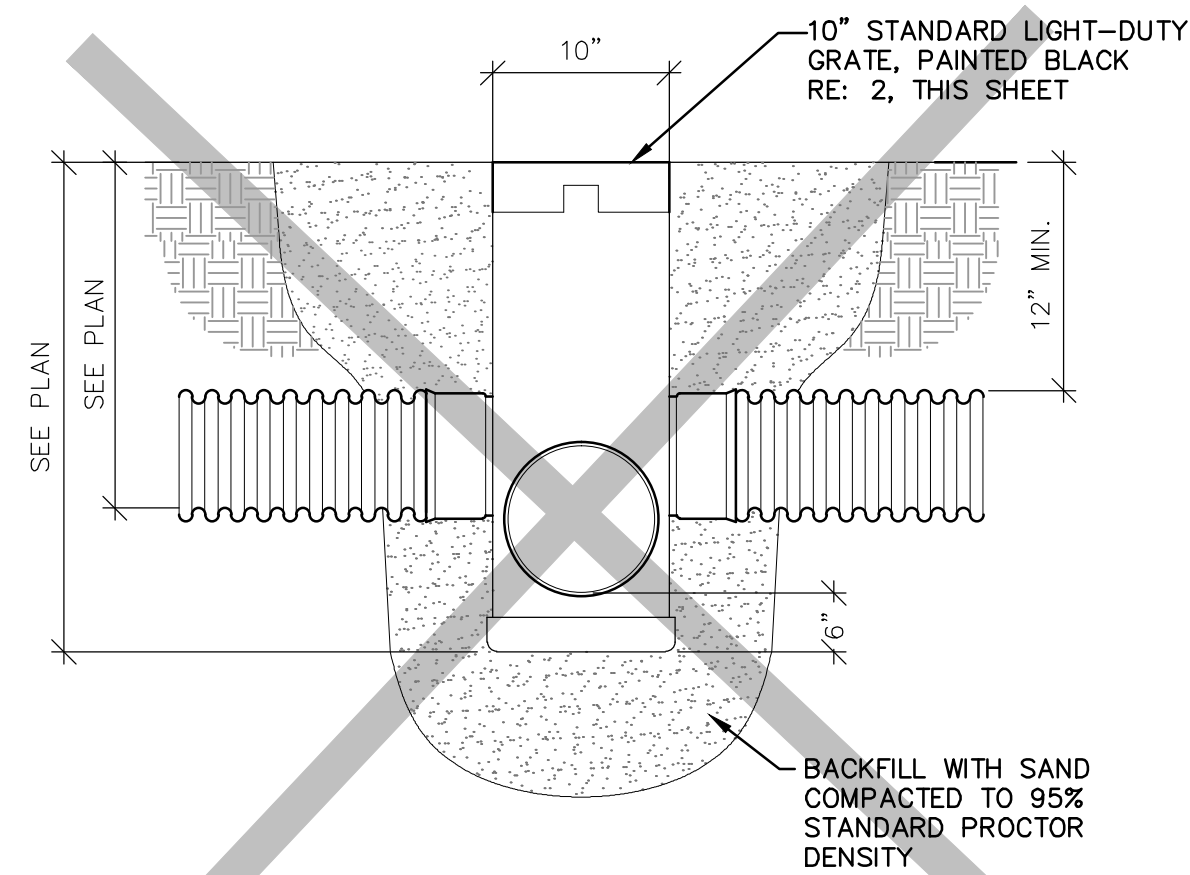
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Project Number: SEI No. 13-034

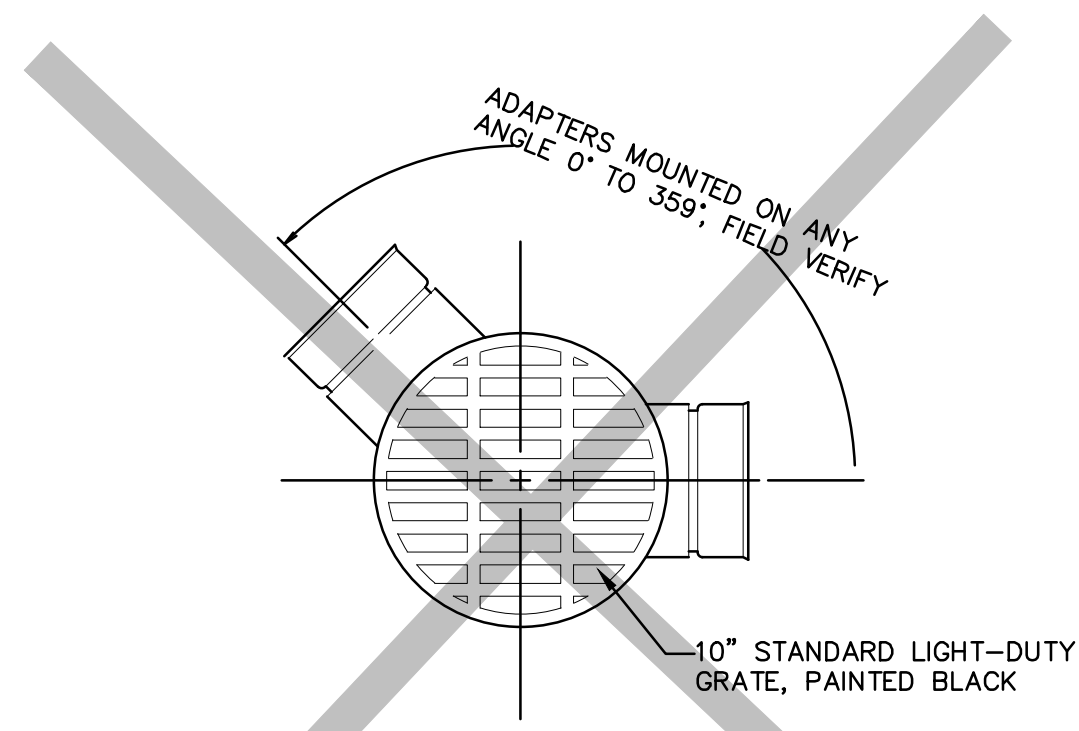
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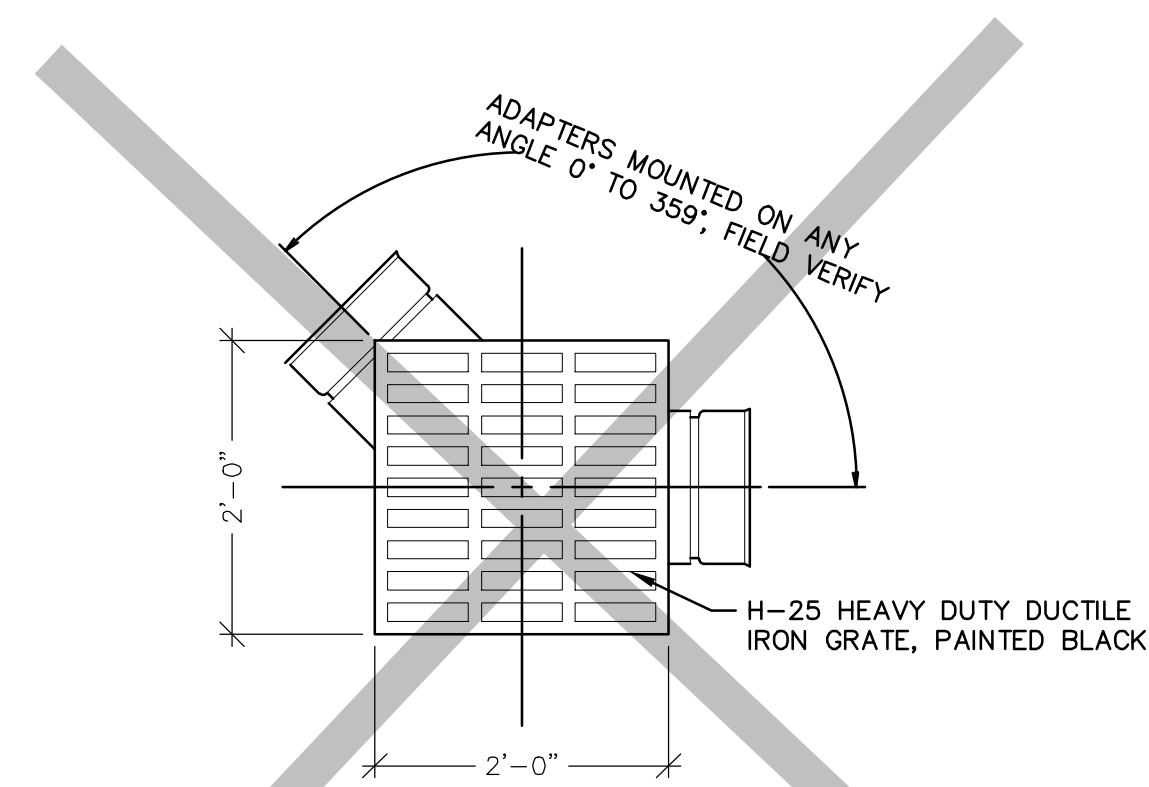
C10



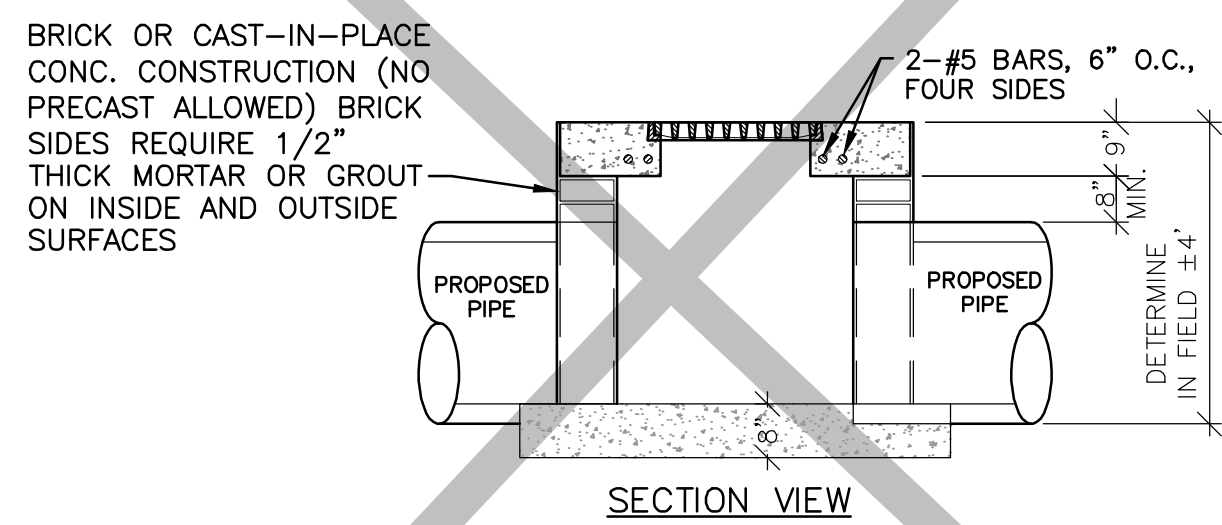
1 | DRAIN BASIN WITH 10" GRATE
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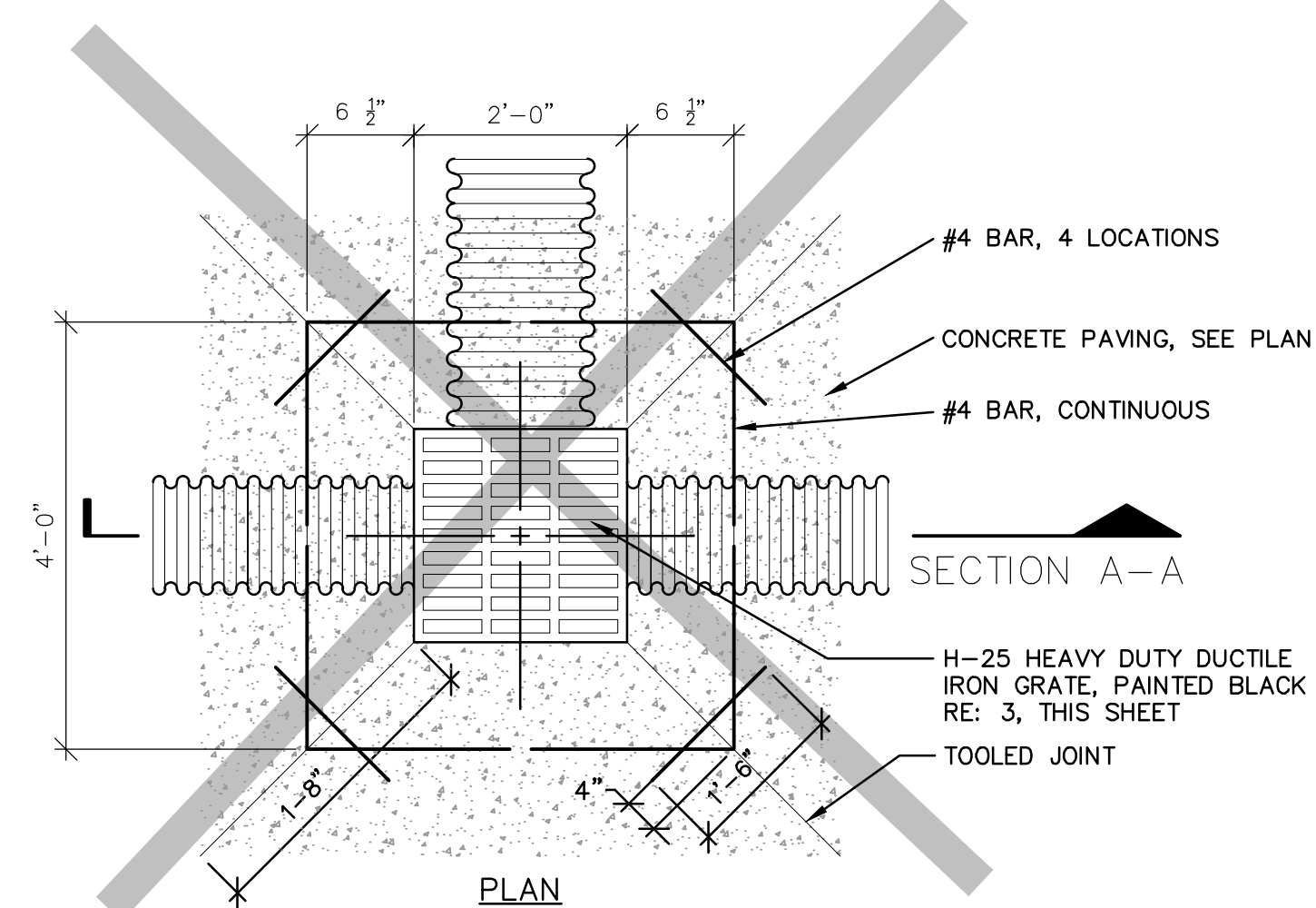
2 | 10" LIGHT DUTY GRATE
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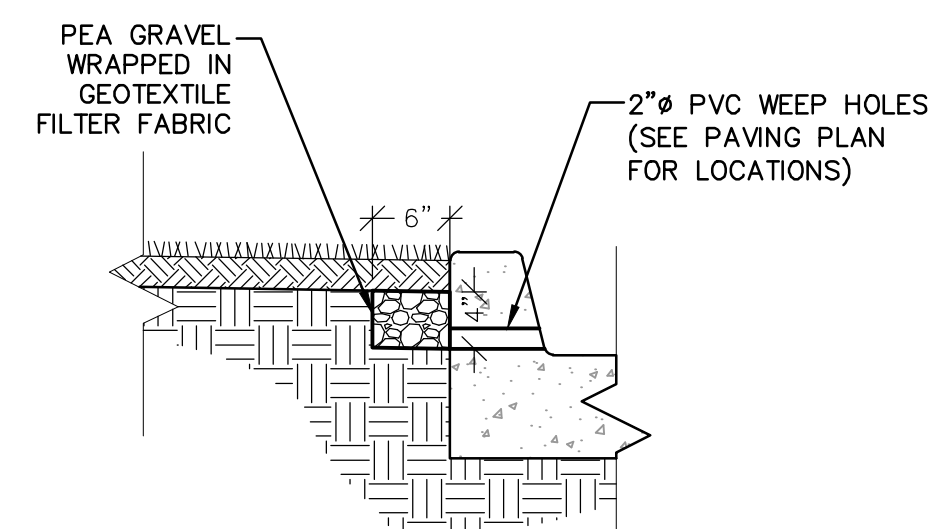
3 | H-25 HEAVY DUTY GRATE
N.T.S.



4 | DRAIN INLET
N.T.S.



6 | DRAIN BASIN WITH 24" SQUARE GRATE
N.T.S.



10 | CURB WEEP HOLE DETAIL
N.T.S.

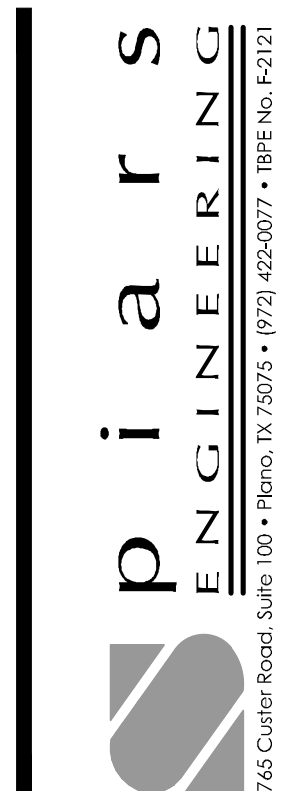
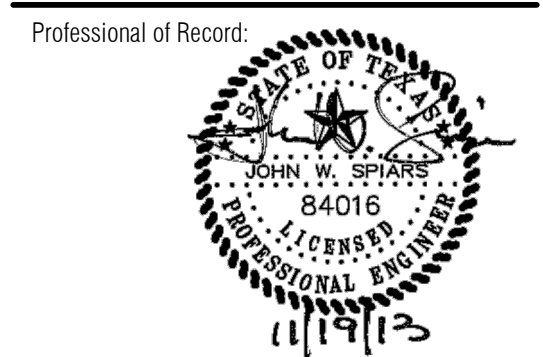
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Prototype Issue Date: X
Design Bulletin Updates:
Date Issued: Bulletin Number:

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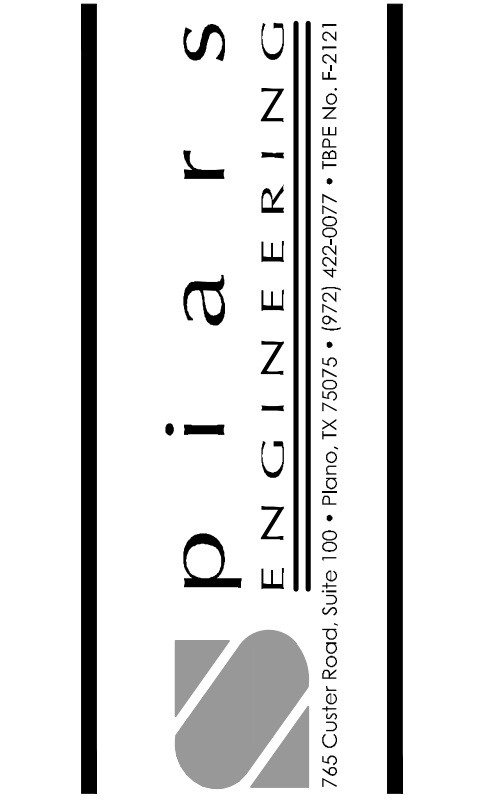
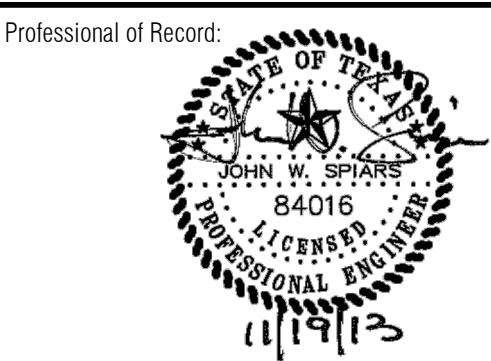
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(PRIVATE)
Date: April 19, 2013
Project Number: SEI No. 13-034
Drawn By: MPC
Sheet Number:

C12



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Sheet Title:

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(PRIVATE)

Date: April 19, 2013

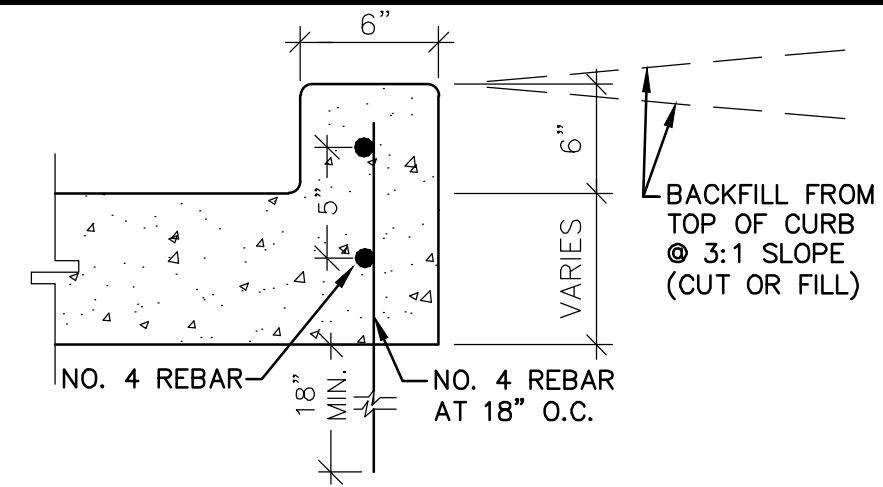
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Drawn By: MPC

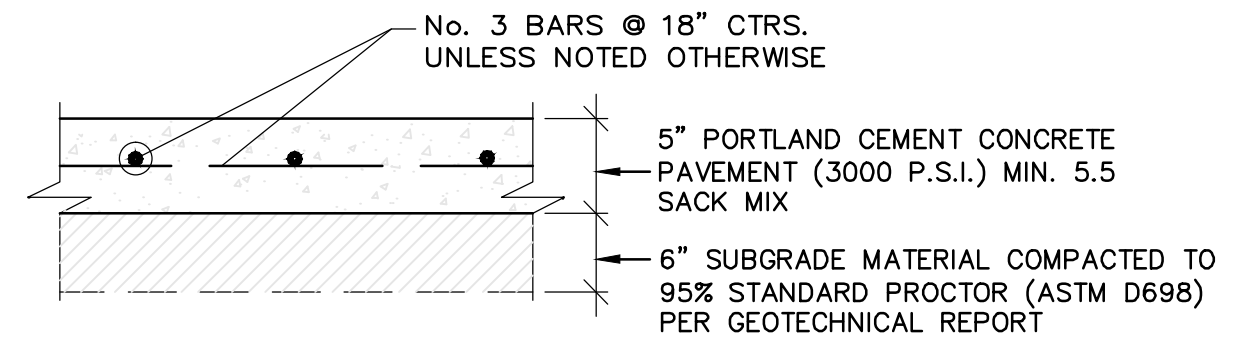
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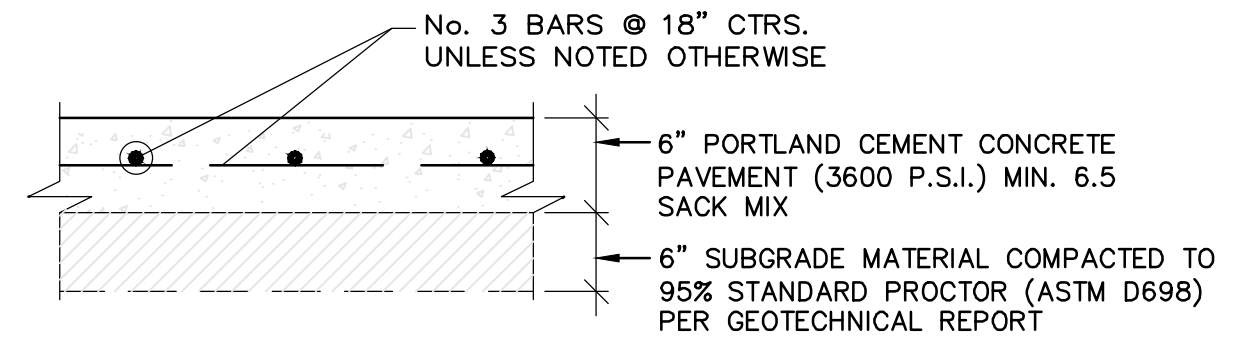
1 | **MONOLITHIC CONCRETE CURB**
N.T.S.



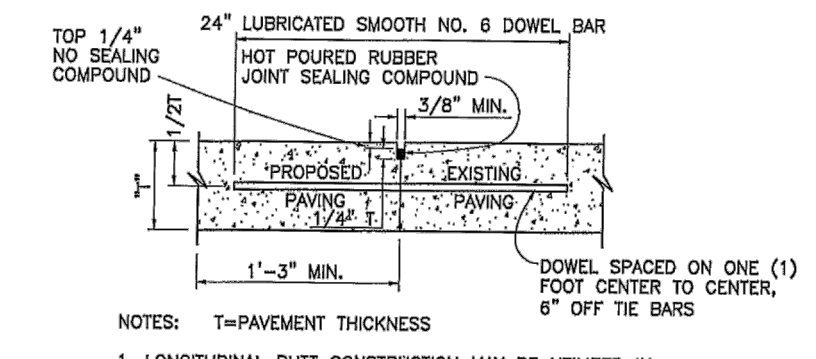
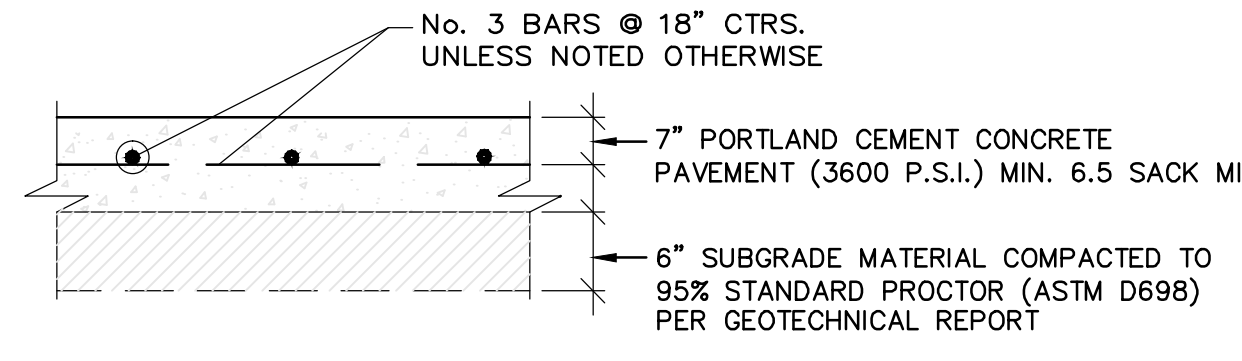
2 | **LIGHT DUTY PAVING SECTION**
N.T.S.



3 | **MEDIUM DUTY PAVING SECTION**
N.T.S.



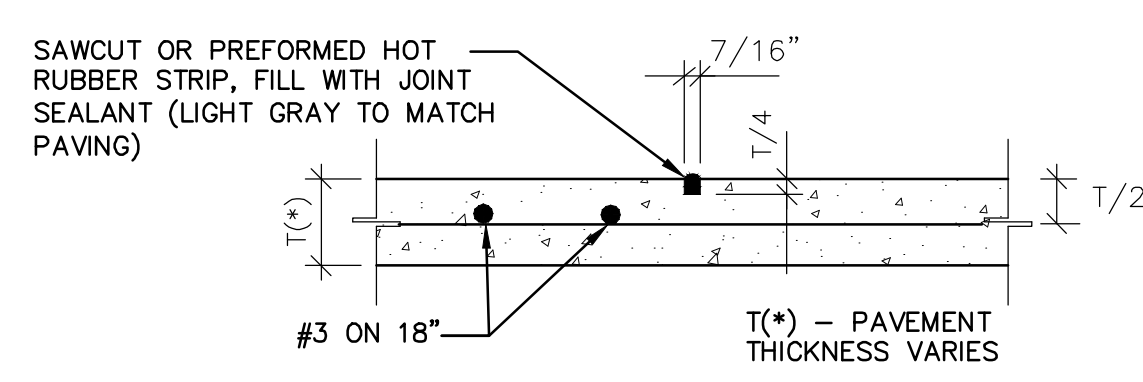
4 | **HEAVY DUTY PAVING SECTION**
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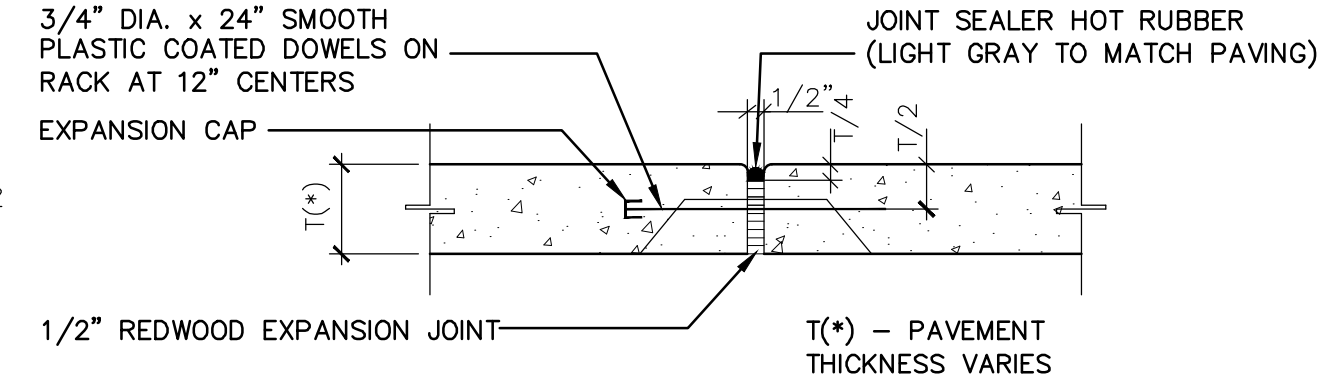
NOTES:
1. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTOR'S OPTION.
2. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
DRILLING BY HAND IS NOT ACCEPTABLE. PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

5 | **LONGITUDINAL (KEY) JOINT**
N.T.S.

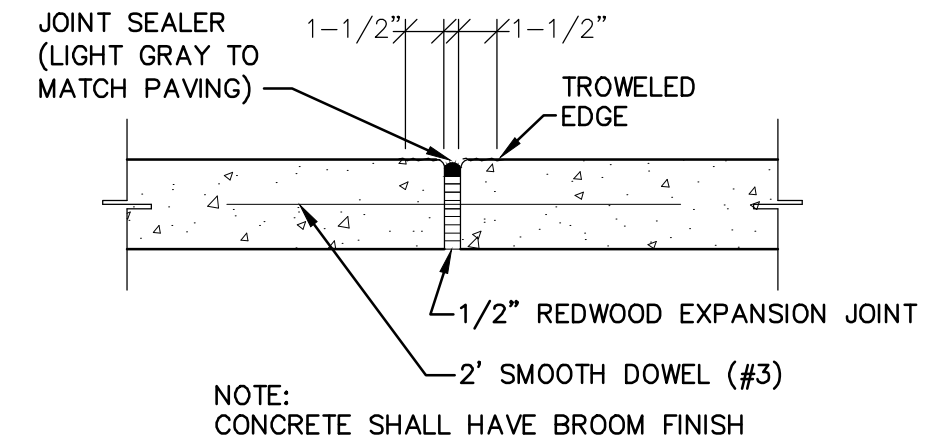
6 | **CONTRACTION JOINT**
N.T.S.



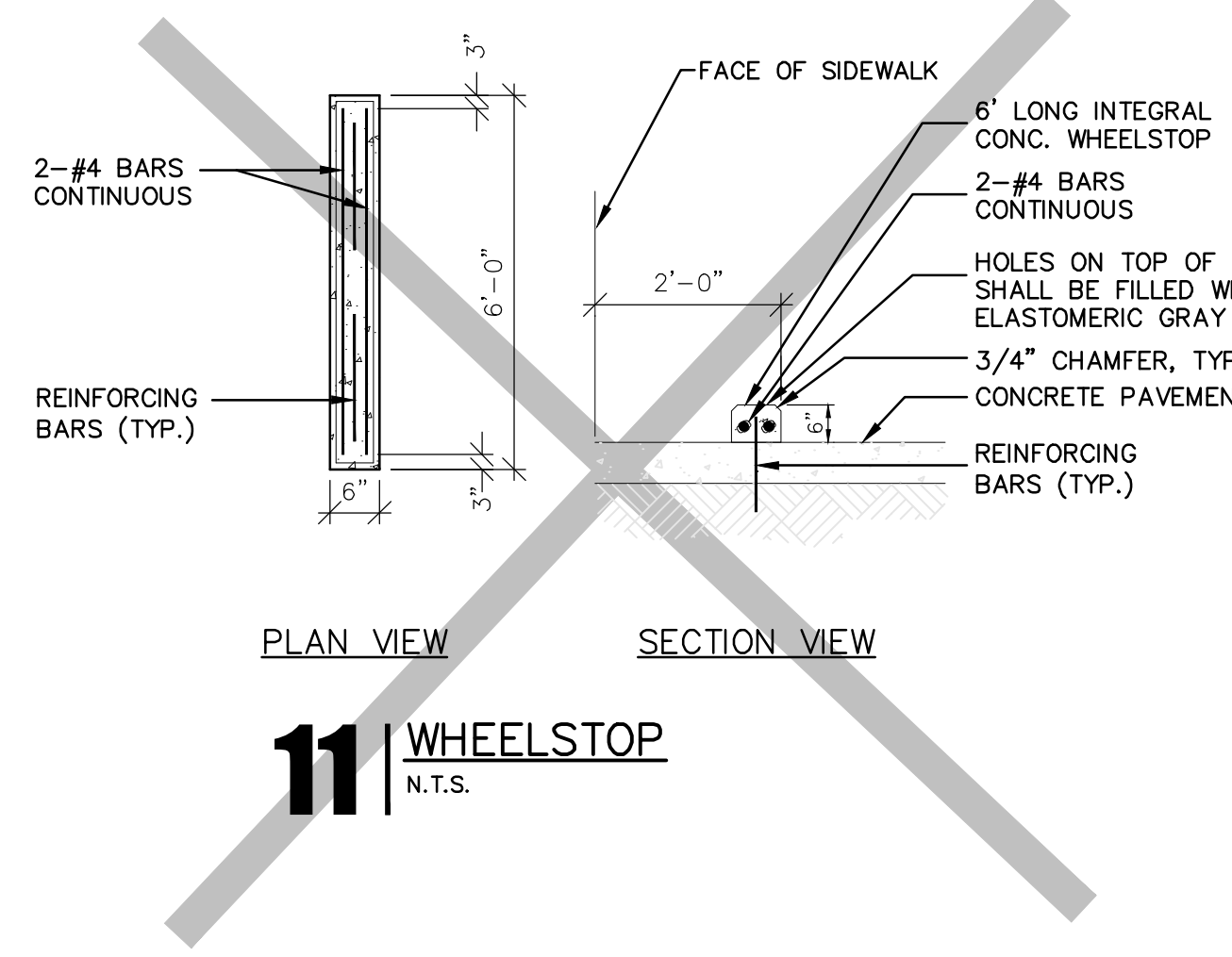
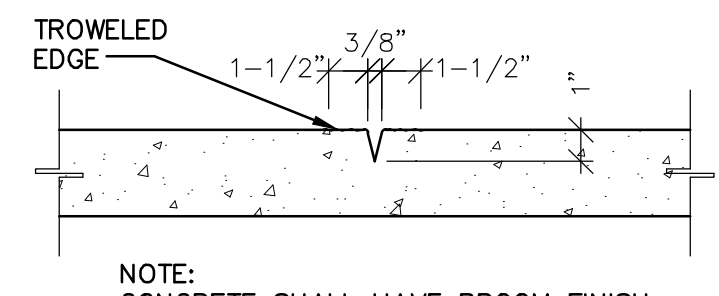
7 | **EXPANSION JOINT**
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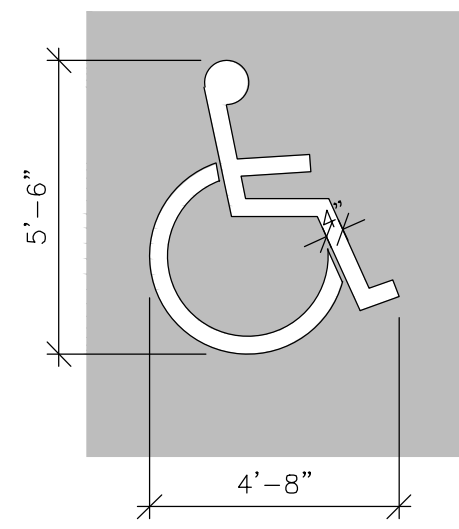
8 | **SIDEWALK EXPANSION JOINT**
N.T.S.



9 | **SIDEWALK TOOL JOINT**
N.T.S.



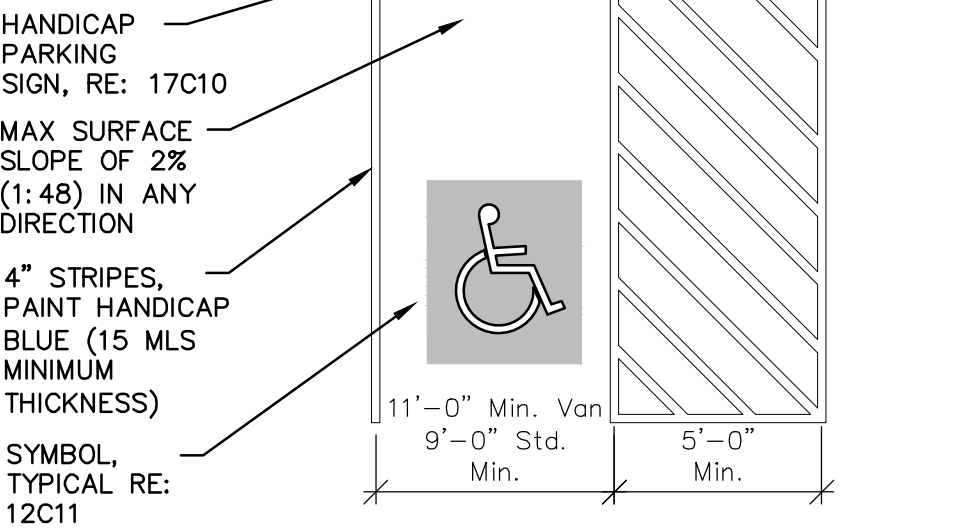
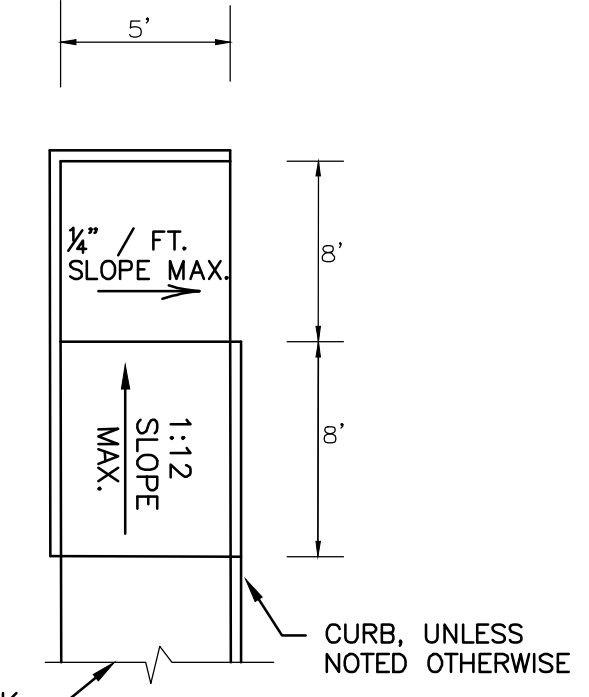
11 | **WHEELSTOP**
N.T.S.



12 | **HANDICAP PARKING SYMBOL**
N.T.S.

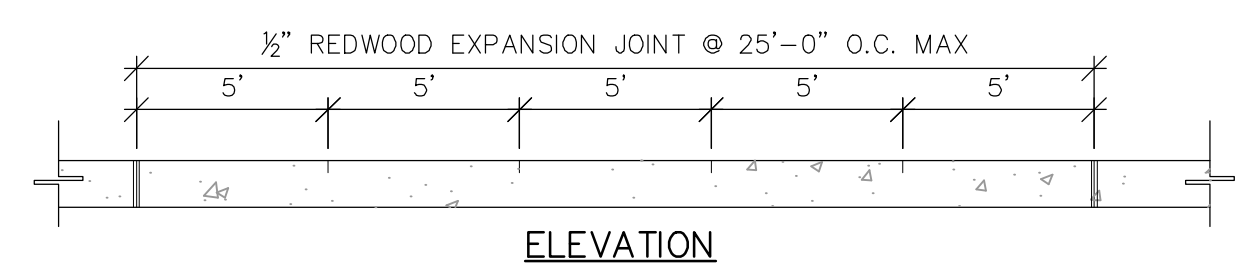
NOTE:
PAINT SYMBOL WITH (2) COATS OF HANDICAP WHIT PAINT OVER A SQUARE OF HANDICAP BLUE PAINT

13 | **HANDICAP RAMP 1**
N.T.S.

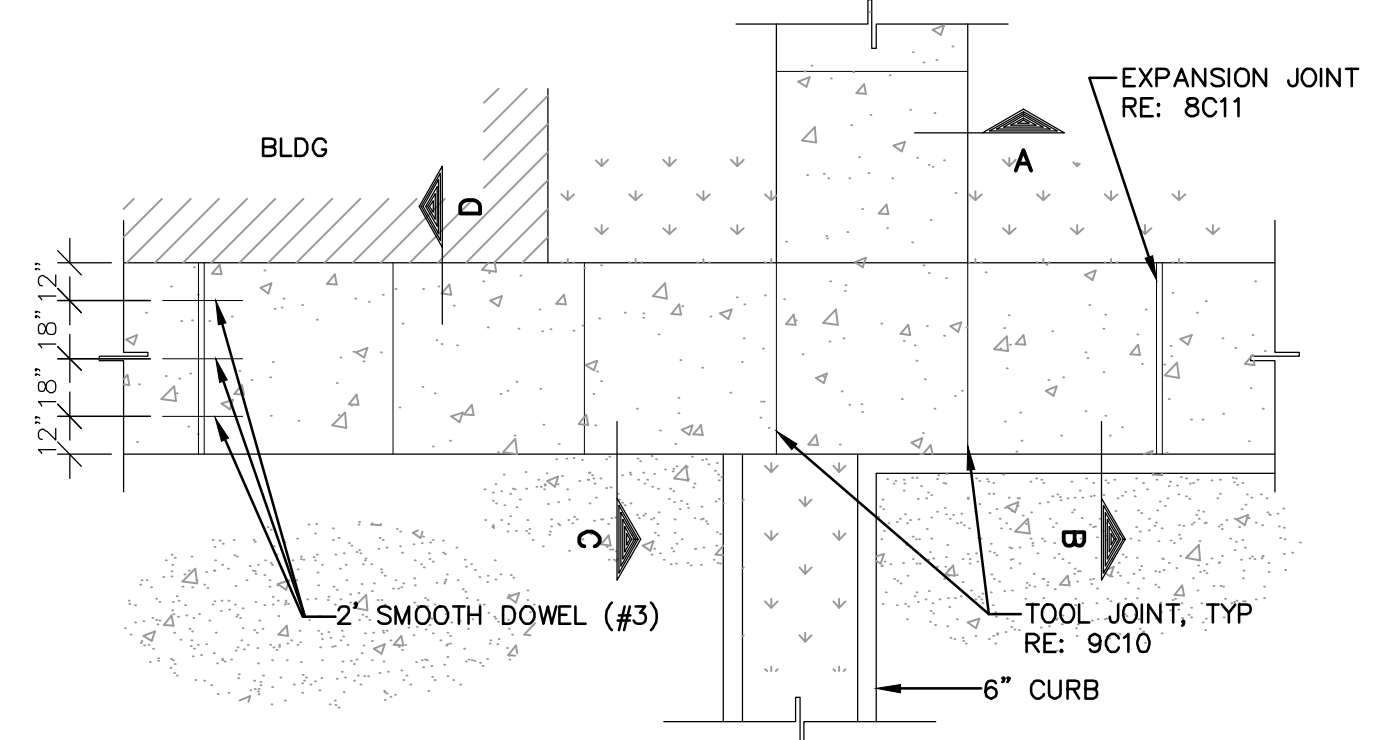


10 | **HANDICAP PARKING LAYOUT**
N.T.S.

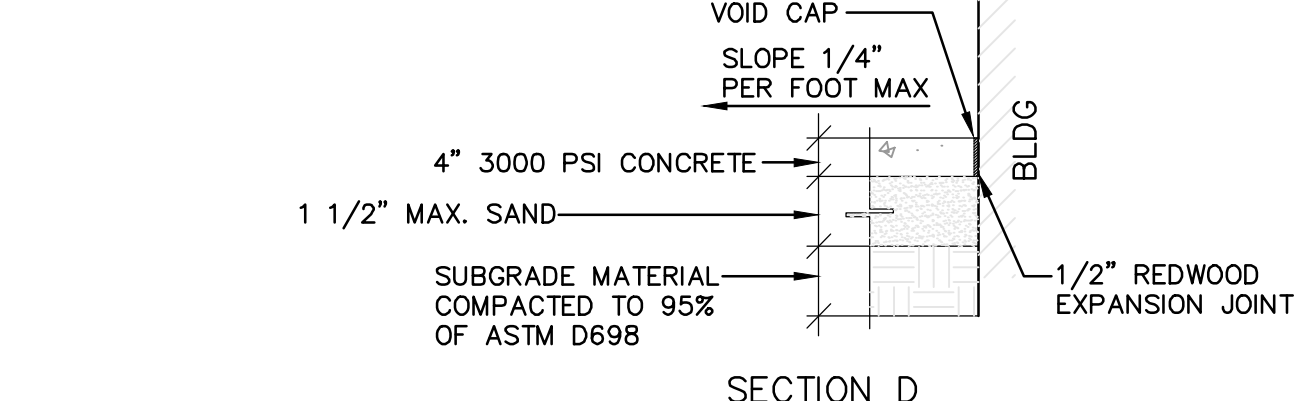
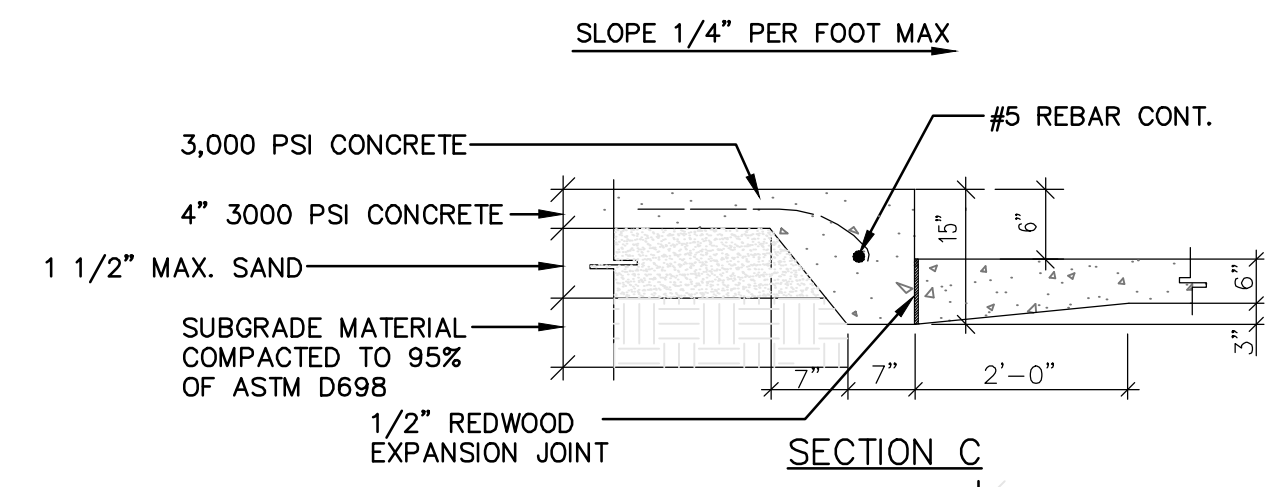
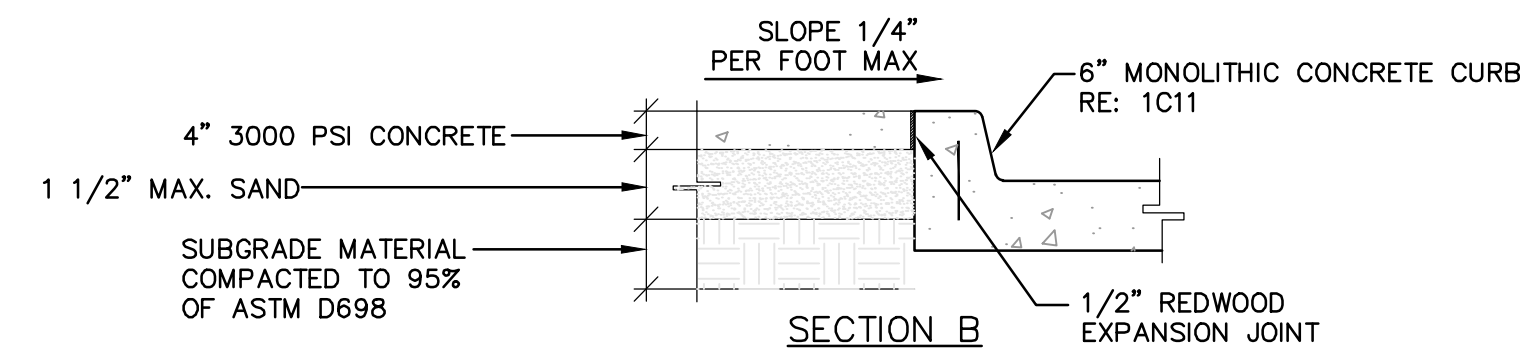
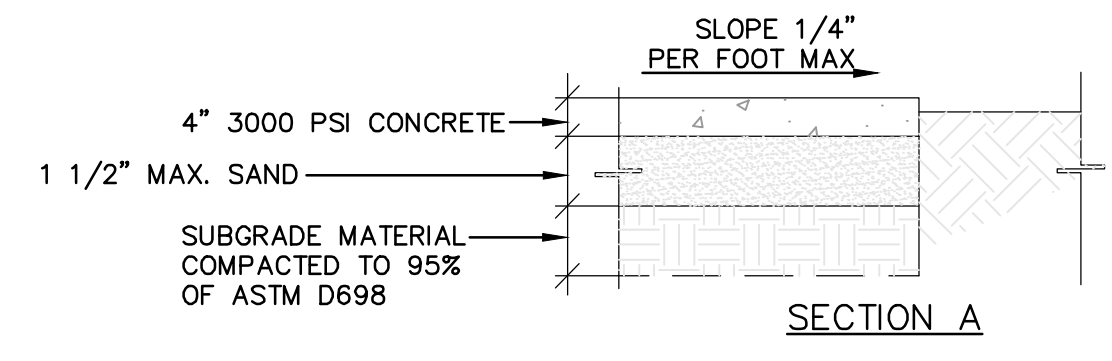
NOTE:
PAINT SYMBOL ONTO PAVED SURFACE WITH TWO (2) COATS OF HANDICAP BLUE PAINT. MANUFACTURE AS PER DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.



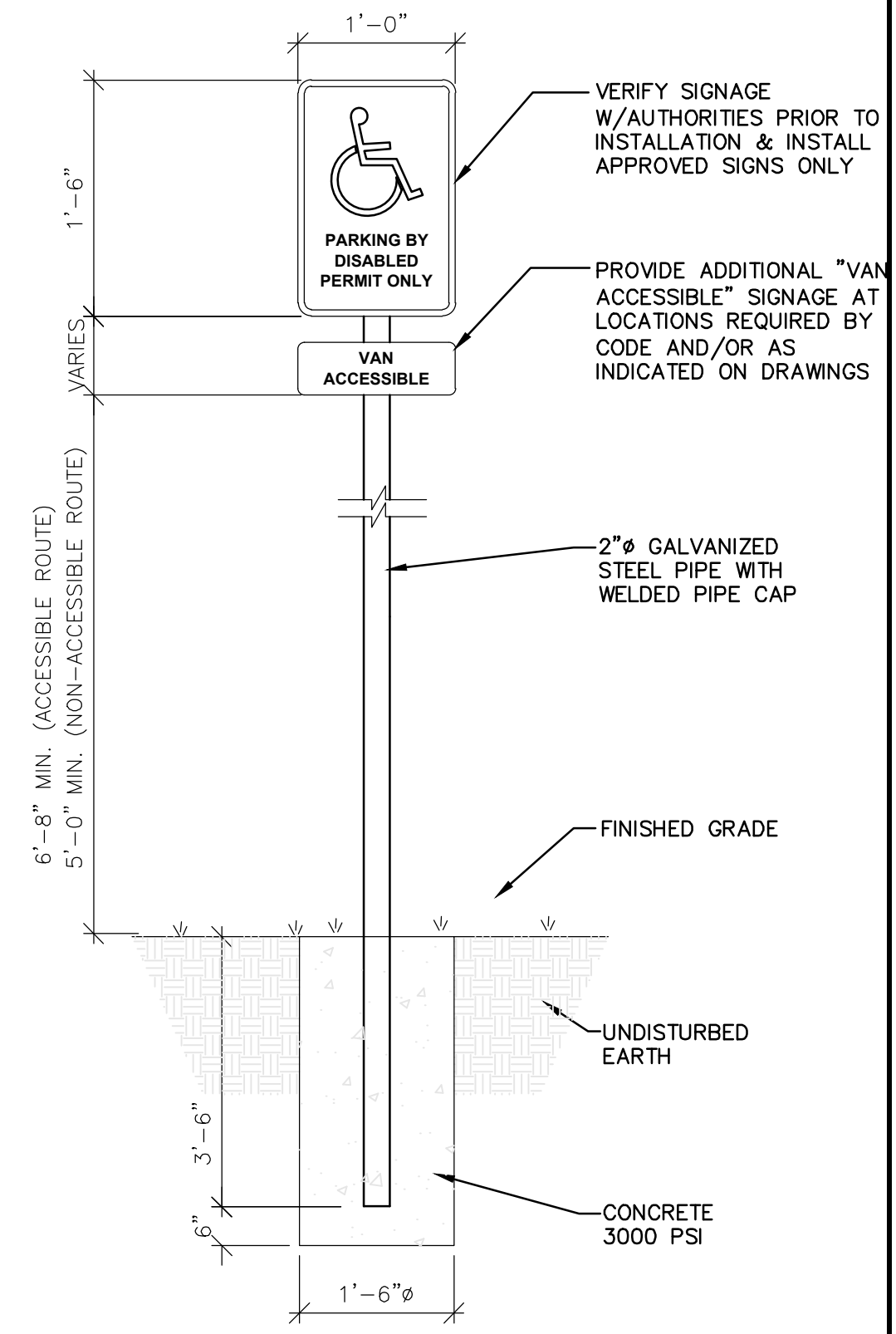
15 | **CONCRETE SIDEWALK**
N.T.S.



NOTE:
CONCRETE SHALL HAVE BROOM FINISH



16 | **SIDEWALK SECTIONS**
N.T.S.



17 | **HANDICAP PARKING SIGN**
N.T.S.

NOTES:
1. ALL SIGNS SHOWN SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES.
2. ALL SIGNS SHOWN SHALL BE REFLECTORIZED TO SHOW THE SAME COLOR BY NIGHT AS BY DAY.
3. ALL SIGNS SHALL BE SECURELY MOUNTED ON GALVANIZED STEEL POSTS.
4. INSTALL QUANTITY AND AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS. CONFIRM ALL HANDICAPPED SIGNAGE CODES.

RECORD DRAWINGS

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14 | **HANDICAP RAMP 2**
N.T.S.

