

April 21, 2015

Hill & Wilkinson, Ltd.



Public Quantities for Site Utilities for Tollway Center Office Building in Addison, Texas.

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
<u>WATER - PUBLIC</u>					
1	8" DR 14	1916	LF	\$ 23.00	\$ 44,068.00
2	6" DR 14 Fire Hydrant Lead	95	LF	\$ 20.00	\$ 1,900.00
3	6" DBL. Detector Check/Vault	1	EA	\$ 9,500.00	\$ 9,500.00
4	8" Gate Valve	12	EA	\$ 1,700.00	\$ 20,400.00
5	6" Gate Valve	6	EA	\$ 1,225.00	\$ 7,350.00
6	4" Gate Valve	1	EA	\$ 900.00	\$ 900.00
7	8" Fittings (C110)	18	EA	\$ 1,100.00	\$ 19,800.00
8	6" Fittings (C110)	2	EA	\$ 800.00	\$ 1,600.00
9	12"x8" Tapping Sleeve & Valve (See Note #35)	2	EA	\$ 5,600.00	\$ 11,200.00
10	3" Domestic Meter/Vault	1	EA	\$ 11,500.00	\$ 11,500.00
11	2" Irrigation Service with Meter (No Backflow)	1	EA	\$ 2,600.00	\$ 2,600.00
12	14" Cased Bore for 8" Line	65	LF	\$ 280.00	\$ 18,200.00
13	Standard Fire Hydrant	5	EA	\$ 2,750.00	\$ 13,750.00
14	Barricades/Road Plates	1	LS	\$ 4,000.00	\$ 4,000.00
15	Flowable Backfill under Pavement	10	CY	\$ 125.00	\$ 1,250.00
16	Adjust Existing Valve Boxes to Grade	2	EA	\$ 200.00	\$ 400.00
17	Cut Tee into 8" Line	1	EA	\$ 1,600.00	\$ 1,600.00
18	Connect to 8" Stubout	1	EA	\$ 1,000.00	\$ 1,000.00
19	Remove/Replace Frontage Road Pavement (Assume 5' Width)	125	SF	\$ 25.00	\$ 3,125.00
				TOTAL	\$ 174,143.00
<u>SANITARY SEWER - PUBLIC</u>					
1	8" SDR 26	226	LF	\$ 35.00	\$ 7,910.00
2	Std. 4' Diam. Manhole (7' - 8' Deep)	3	EA	\$ 4,000.00	\$ 12,000.00
				TOTAL	\$ 19,910.00
<u>STORM SEWER - PUBLIC</u>					
1	30" RCP CL III	375	LF	\$ 71.00	\$ 26,625.00
2	Orifice Plate at Wall with Concrete Collar	1	EA	\$ 4,000.00	\$ 4,000.00
3	Connect to RCP Stubout (7' Deep)	1	EA	\$ 1,200.00	\$ 1,200.00
				TOTAL	\$ 31,825.00
				TOTAL	\$ 225,878.00



830 East Valley Ridge Blvd. | Lewisville, TX 75057 | P: 972.221.8113 | 866.221.8113 | F: 972.221.6102

July 28, 2016

Justin Davis
Hill & Wilkinson General Contractors
2703 Telecom Parkway
Richardson, Texas 75082

RE: Cawley Tollway Center – City Paving

Justin,

The breakdown for city paving is as follows:

Cost - \$20,618.00
Cubic Yards – 110 yds
Place and Finish – 50 Man Hours

Please let me know if you need anything further.

Thank you,

Melissa Kersh
Project Manger

owners
CAWLEY PARTNERS
17330 Preston Road, Suite 250B
Dallas, TX 75252
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUESS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888, Dallas, TX 75201
214.620.6000

landscape architect
BELLE FIRMA
4245 North Central Expy, Suite 501
Dallas, TX 75219
214.865.7192

project
CAWLEY TOLLWAY CENTER
14300 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

original issue
BUILDING PERMIT 12.18.2014
revisions

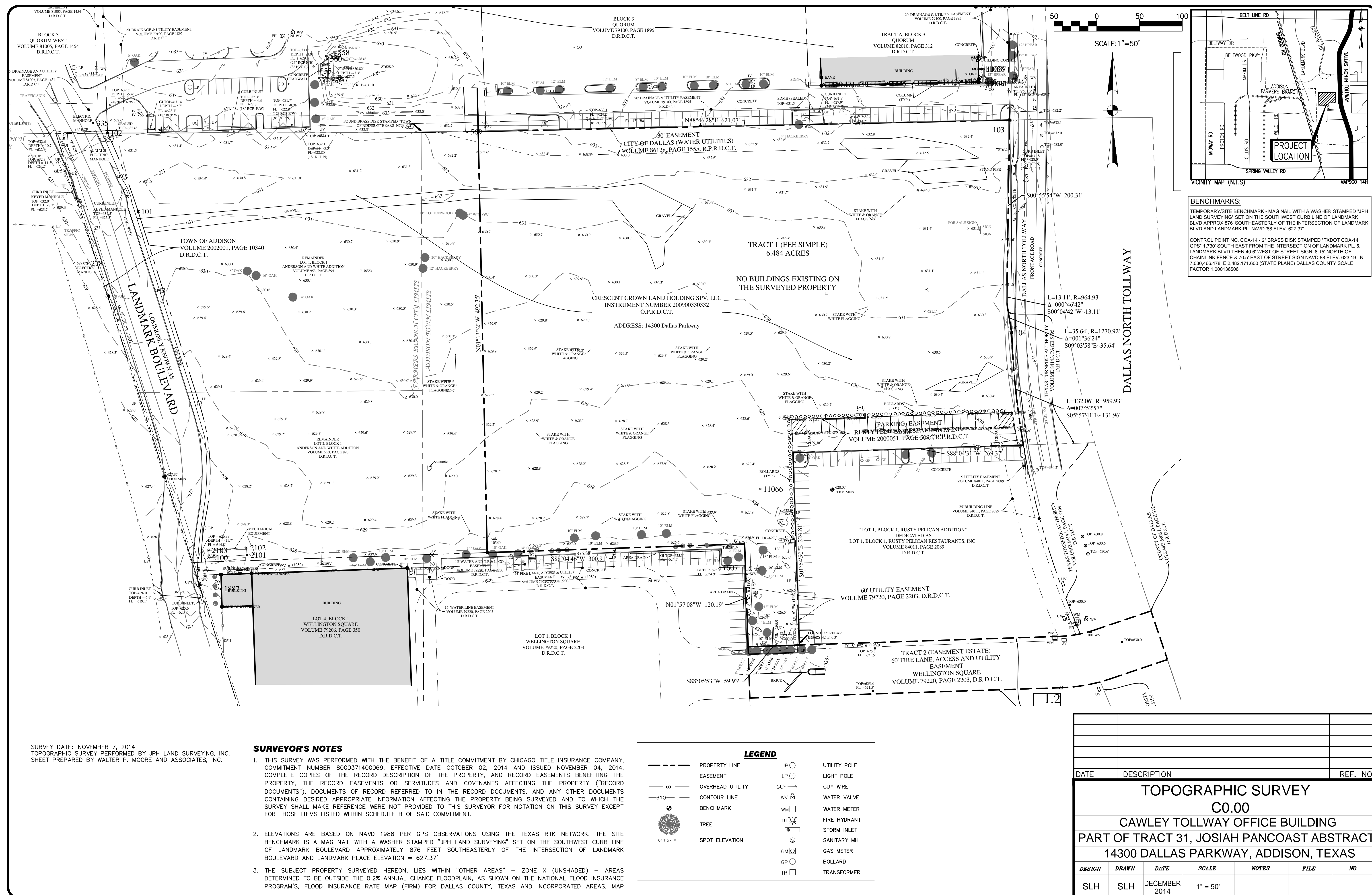
title
TOPOGRAPHIC SURVEY

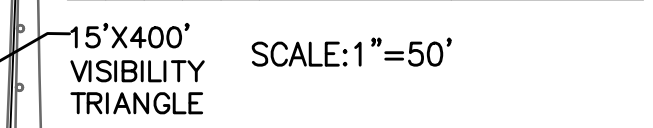
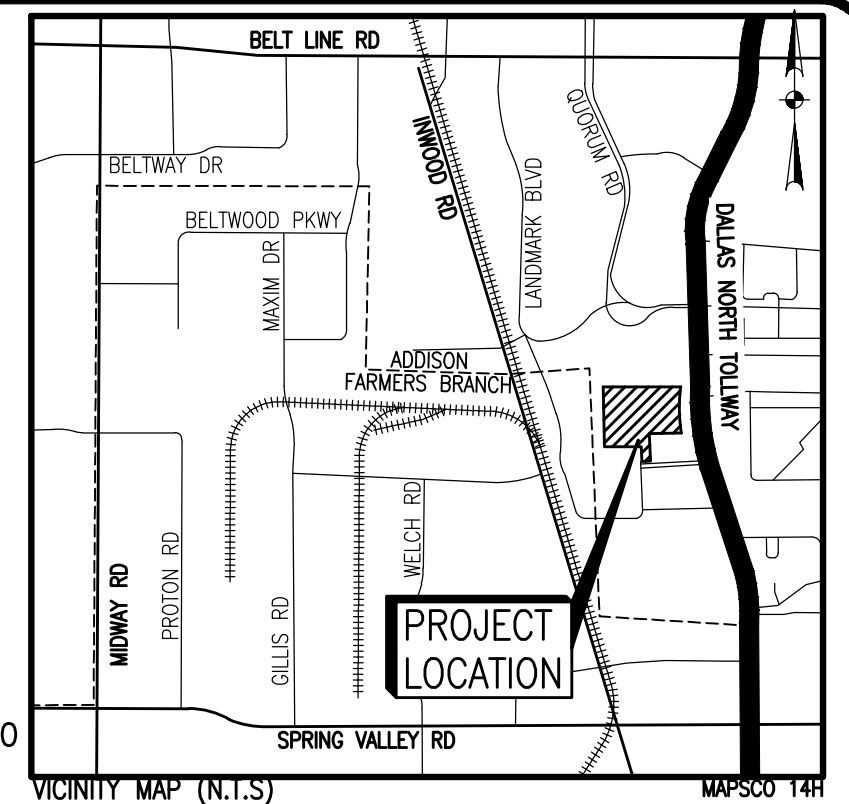
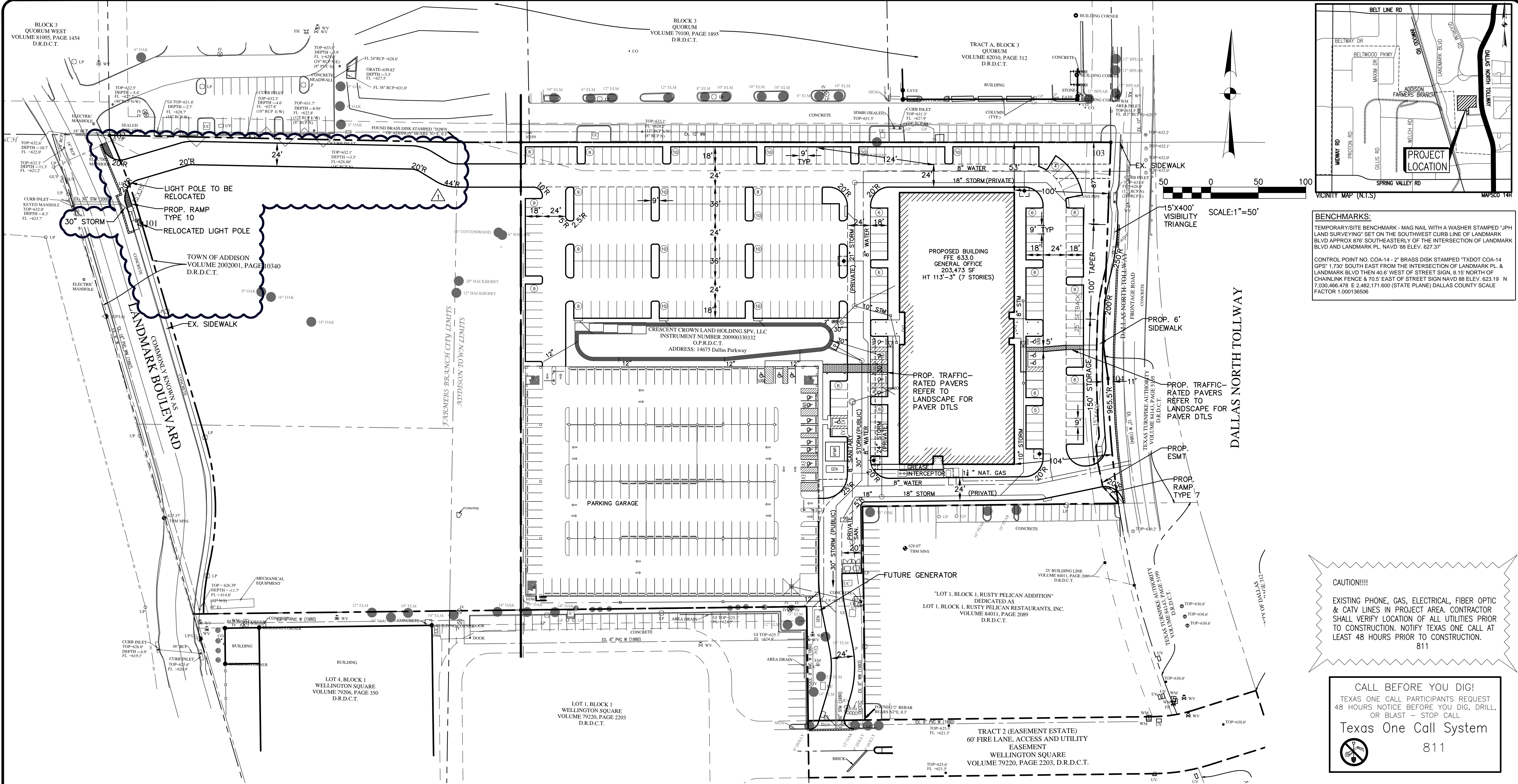
project number 14067.100

date 12.18.2014

sheet

CO.00



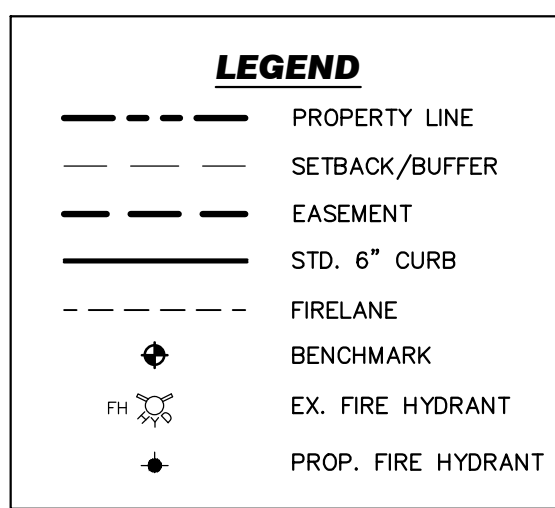


BENCHMARKS:
 TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19' N 7,030,466.478 E 2,482,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

- SITE PLAN GENERAL NOTES**
- ALL DIMENSIONS ARE FROM FACE OF CURB.
 - SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS OF BUILDING.
 - ALL EXISTING PUBLIC UTILITIES ARE TO REMAIN IN PLACE.
 - PROPOSED BUILDING USE: OFFICE
 - BUILDING WILL BE FULLY SPRINKLED.
 - FOR EACH GROUPING OF ACCESSIBLE PARKING ONE VAN SPACE SHALL BE PROVIDED FOR EVERY FRACTION OF 6 SPACES.
 - PARKING SPACES ARE 18' DEEP AND 9' WIDE TYPICALLY. COVERED PARKING SPACE WIDTH VARIES.
 - REFER TO LANDSCAPE HARDSCAPE PLANS FOR CROSSWALK PAVER SPECIFICATIONS.
 - DRIVEWAY CURB RAMPS SHALL BE TYPE 10 ON LANDMARK BLVD AND TYPE 7 ON DALLAS PKWY PER TXDOT PED-12A PEDESTRIAN FACILITIES CURB RAMPS WITH NON-PAVER (ARMORCAST PLATE OR APPROVED EQUAL).



SITE DATA SUMMARY TABLE

Item	
General Site Data	
Addison Zoning	PD Planned Development
Farmers Branch Zoning	Light Industrial
Lot Area	6.484 AC
Setbacks	Front: 25' min. no side or rear
Building Data	
Building Floor Area	203,473 SF
Construction Type	1 A
Parking Garage Area	74,628 SF
Existing coverage	3.5%
Total coverage (building + parking garage)	BLDG FOOTPRINT 34,269 SF > 108,897 SF = 39%
Parking	
Parking Ratio	1/300 SF
Required Parking	679 SPACES
Provided Parking	473 GARAGE + 296 UNCOVERED = 769 SPACES
Accessible Parking Required	9 GARAGE + 7 UNCOVERED = 16 SPACES
Accessible Parking Provided	7+2VAN+1EV + 5+2VAN+1EV = 18 SPACES

Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856

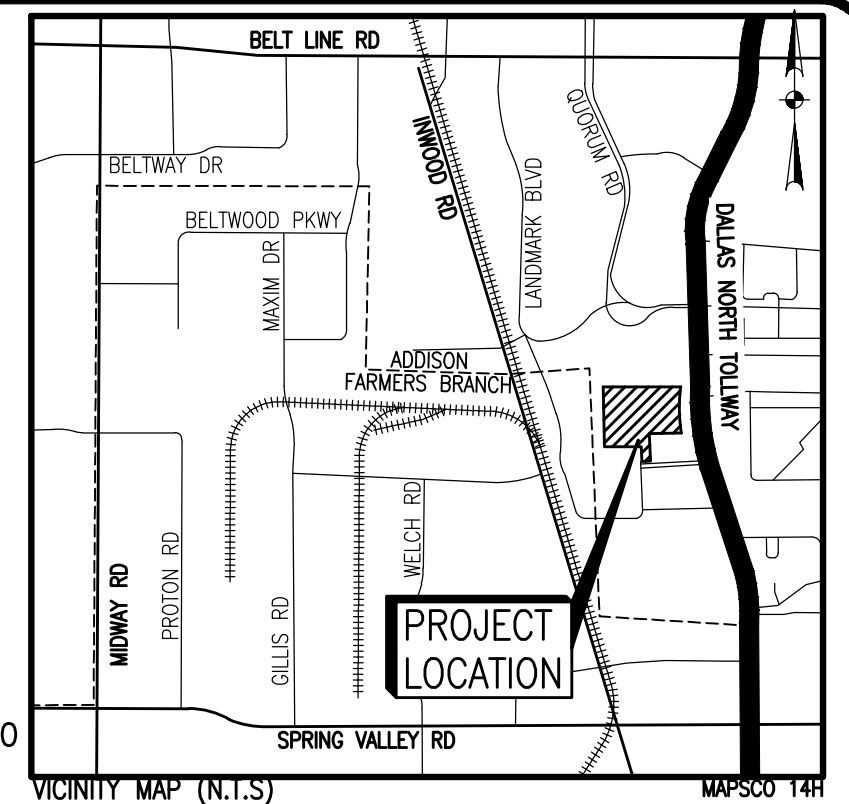
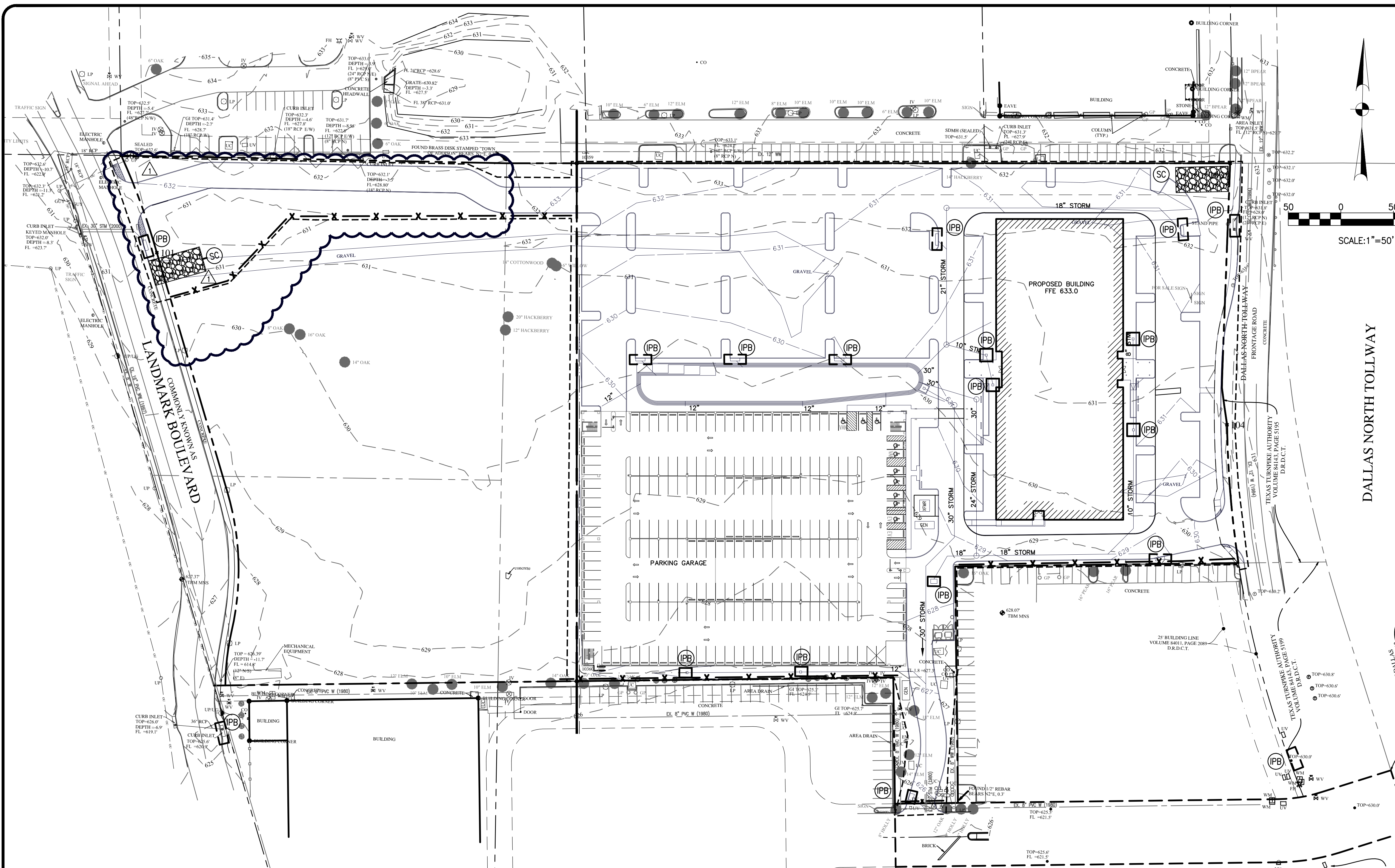
WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

DATE	DESCRIPTION	REF. NO.
09-16-15	LINK ROAD TO WEST REVISION	△

**SITE PLAN
C1.00**

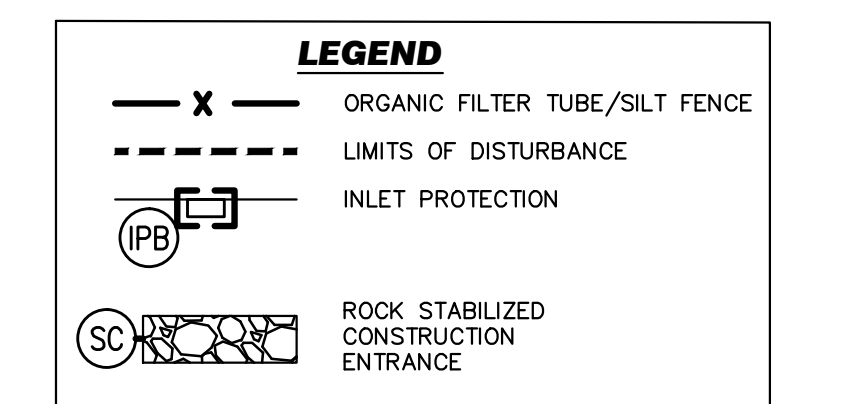
CAWLEY TOLLWAY OFFICE BUILDING
 PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT
 14675 DALLAS PARKWAY, ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015	1" = 50'			14-11



SCALE: 1"=50'

BENCHMARKS:
 TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19 N 7,030,466.478 E 2,482,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506



CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

EROSION CONTROL NOTES

- PRIOR TO THE COMMENCING OF ANY CONSTRUCTION, EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT.
- INSPECTIONS OF EROSION CONTROL DEVICES SHALL BE MADE (1) WEEKLY OR (2) BI-WEEKLY AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER TO ENSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY.
- IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
- IF OFF-SITE SOIL BORROW OR SPOIL SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF-SITE BORROW AND SPOIL AREAS ARE CONSIDERED A PART OF THE PROJECT SITE AND THEREFORE SHALL COMPLY WITH EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH PERMANENT GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
- ALL STOCKPILED SOILS SHALL BE SURROUNDED BY ORGANIC FILTER TUBES/SILT FENCE, SEDIMENT CONTROL SWALE, OR SIMILAR MEASURE APPROVED BY THE ENGINEER, TO PROPERLY CONTROL SEDIMENT RUNOFF.
- AT A MINIMUM, PERIMETER CONTROLS SUCH AS ORGANIC FILTER TUBES/SILT FENCE SHALL BE INSTALLED AT ALL DOWN SLOPE BOUNDARIES AND AS WARRANTED WHERE PAVEMENT REMOVAL, UTILITY CONSTRUCTION, GRADING, OR OTHER CONSTRUCTION ACTIVITIES ARE TO BE PERFORMED.
- THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES AS NECESSARY TO PREVENT TRACKING OF MUD OR SOILS ONTO EXISTING OR PROPOSED PAVEMENT. ANY TRACKING THAT DOES OCCUR SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY SILTATION CAUSED BY HIS OPERATIONS AND/OR FAILURE OF THE EROSION CONTROL MEASURES. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND SEDIMENT FROM EROSION CONTROL MEASURES WHEN IT REACHES A DEPTH OF SIX (6) INCHES OR IMPAIRS THE EFFECTIVENESS OF THE MEASURES.
- THE CONTRACTOR SHALL STABILIZE ANY AREA WHERE CONSTRUCTION ACTIVITY IS TO BE TEMPORARILY OR PERMANENTLY CEASED FOR MORE THAN 14 DAYS.
- AT THE COMPLETION OF THE FINAL GRADING, THE DISTURBED AREA(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS. ORGANIC FILTER TUBES SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED.
- DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED AND RESEEDED OR SODDED, IF NECESSARY.
- DAMAGES TO ADJACENT PROPERTY OR TO THE RECEIVING WATERS CAUSED BY IMPROPERLY INSTALLED OR POORLY MAINTAINED EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF ANY INFORMATION REQUIRED BY TCEQ. CONTRACTOR SHALL COMPLY WITH ALL TOWN OF ADDISON, E.P.A. AND TCEQ STORMWATER POLLUTION PREVENTION REQUIREMENTS.
- PROPERTY AREA = 6.5 AC
 ON-SITE DISTURBED AREA = 6.5 AC
 OFF-SITE DISTURBED AREA = 0.8 AC (includes drive/fire lane extension to Landmark Blvd and right turn lane on Dallas Pkwy)
 TOTAL DISTURBED AREA = 7.3 AC

Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856



WALTER P MOORE

WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

09-16-15	LINK ROAD TO WEST REVISION	
DATE	DESCRIPTION	REF. NO.
EROSION CONTROL PLAN		
C2.00		
CAWLEY TOLLWAY OFFICE BUILDING		
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT		
14675 DALLAS PARKWAY, ADDISON, TEXAS		
DESIGN	DRAWN	DATE
SLH	SLH	APRIL 2015
SCALE	NOTES	FILE
1" = 50'		
		NO.
		14-11

owners
CAWLEY PARTNERS
17330 Preston Road, Suite 250B
Dallas, TX 75225
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUSS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

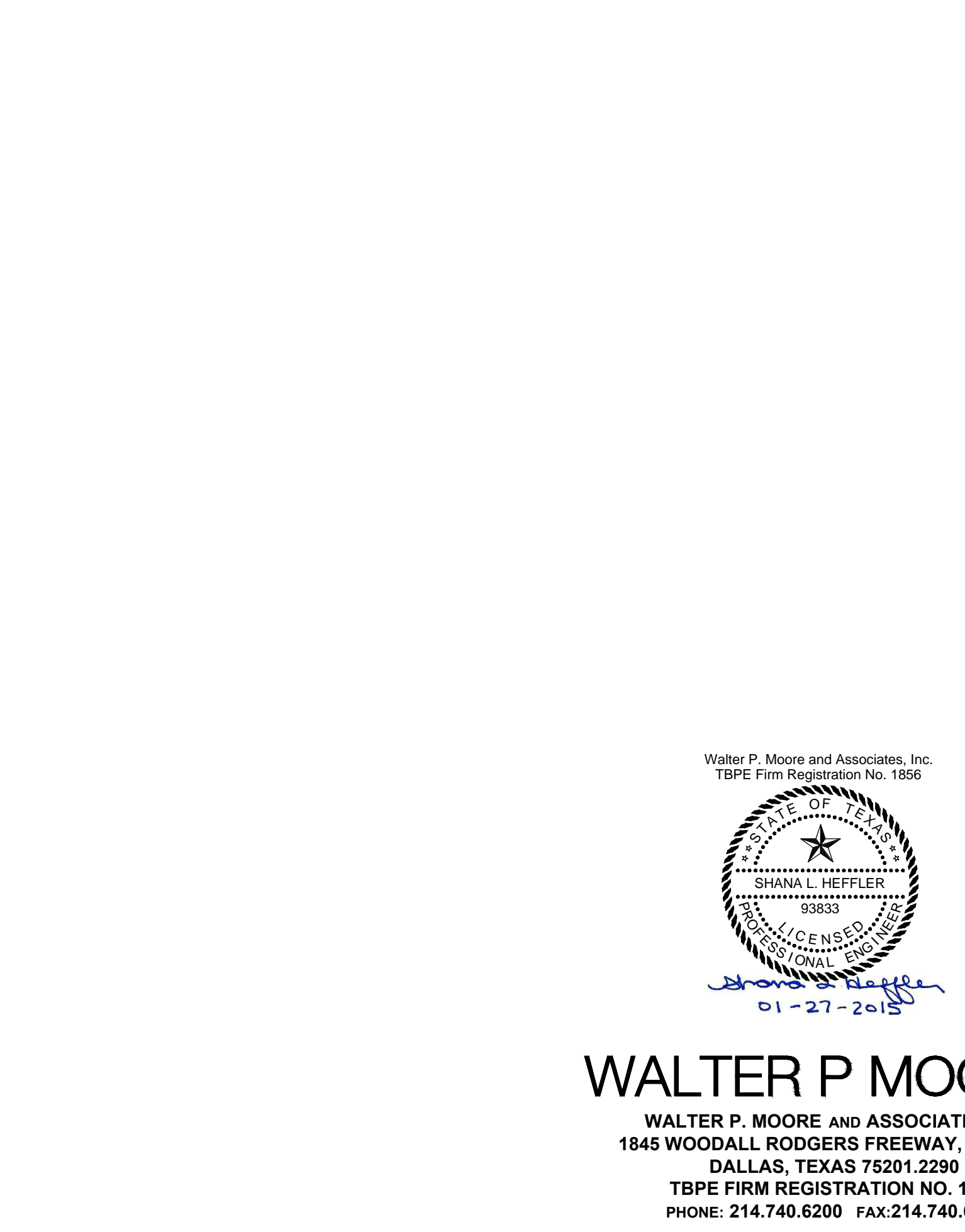
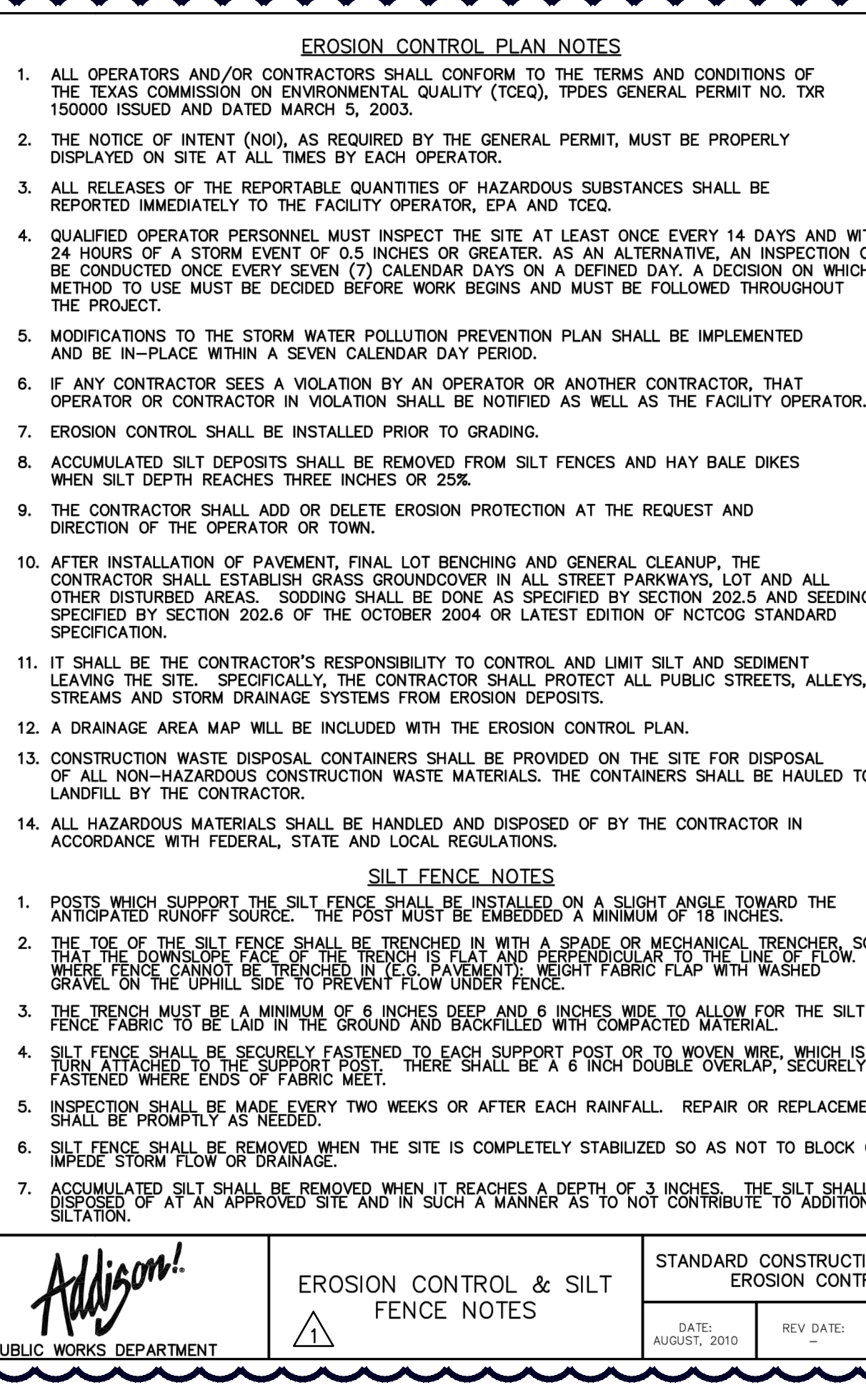
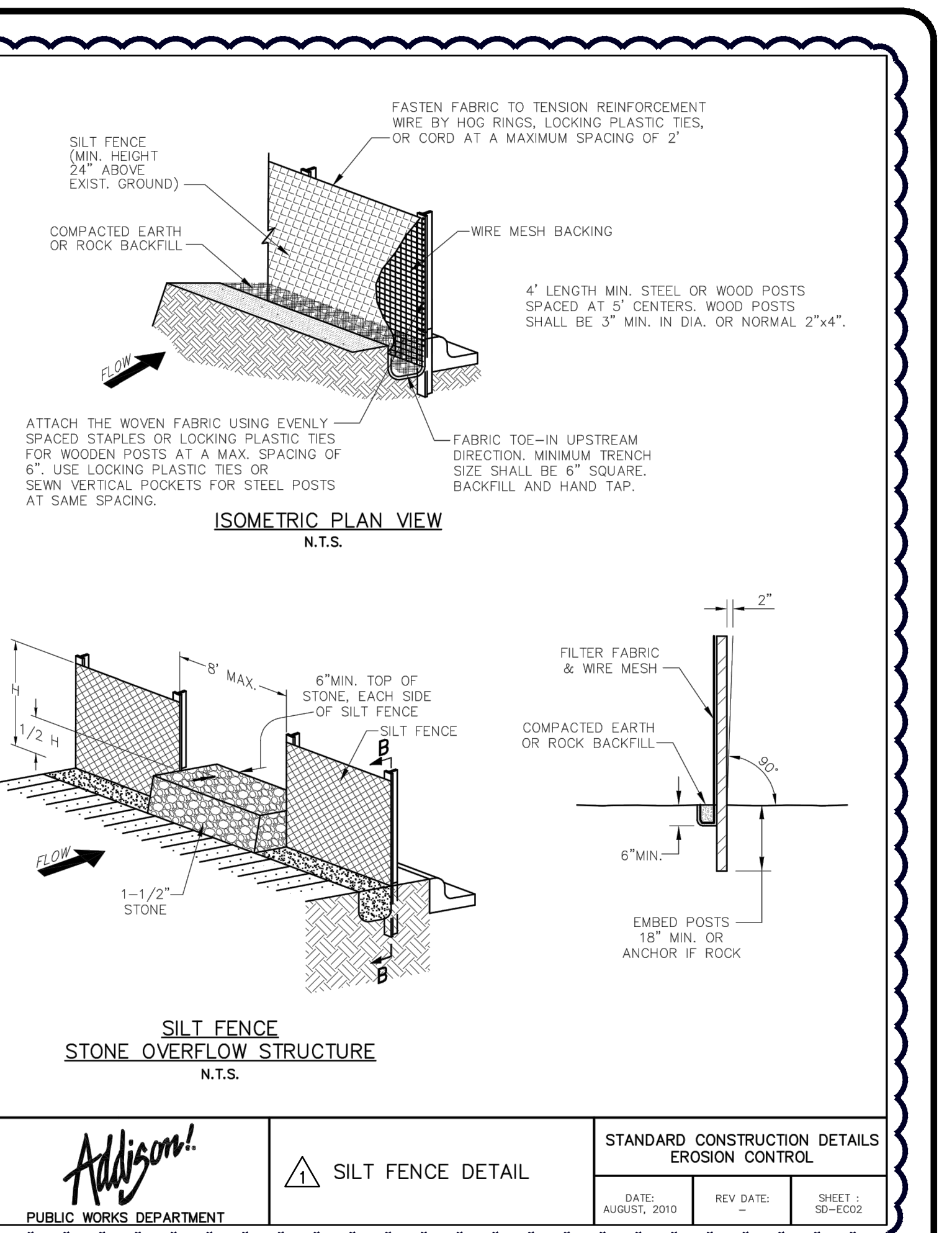
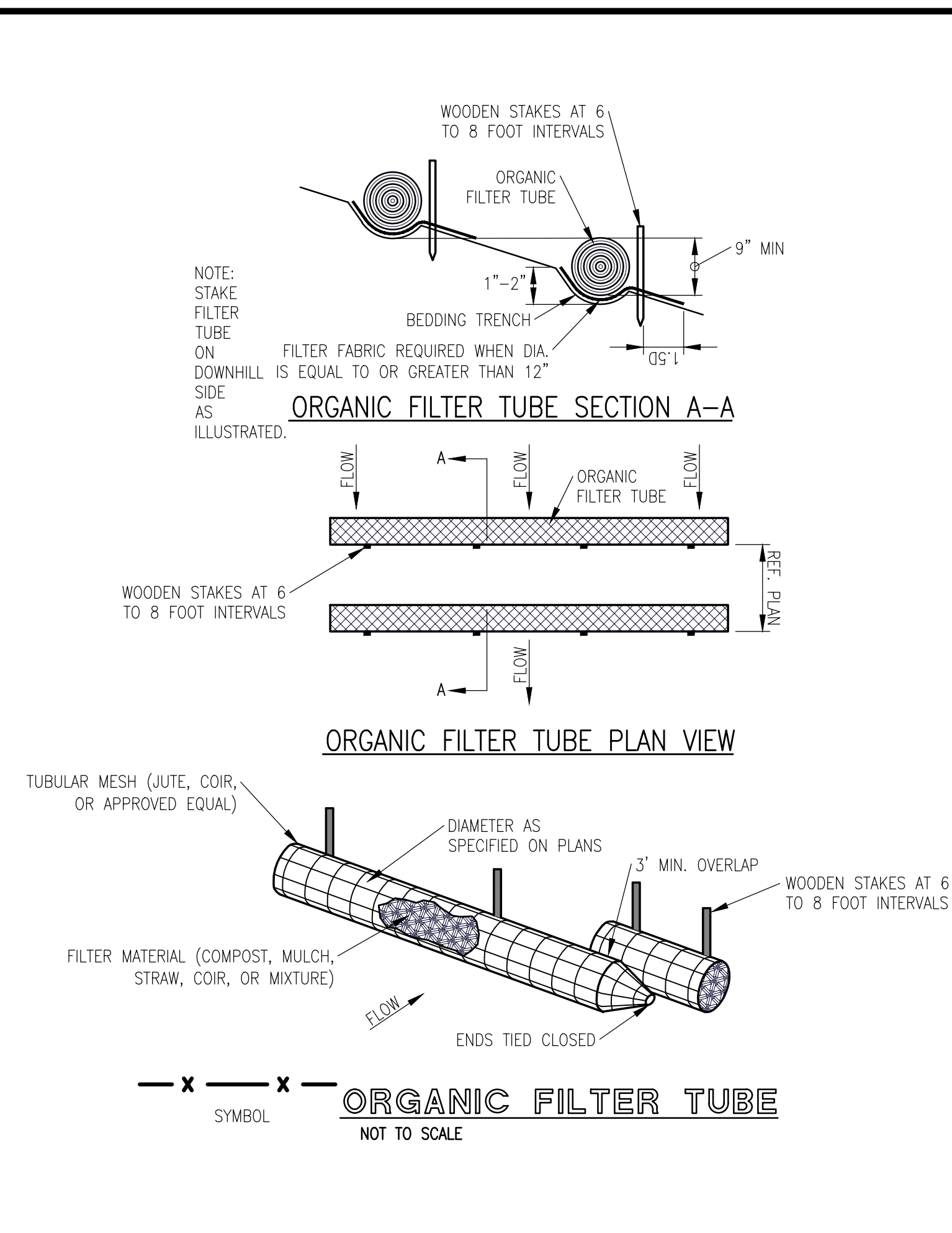
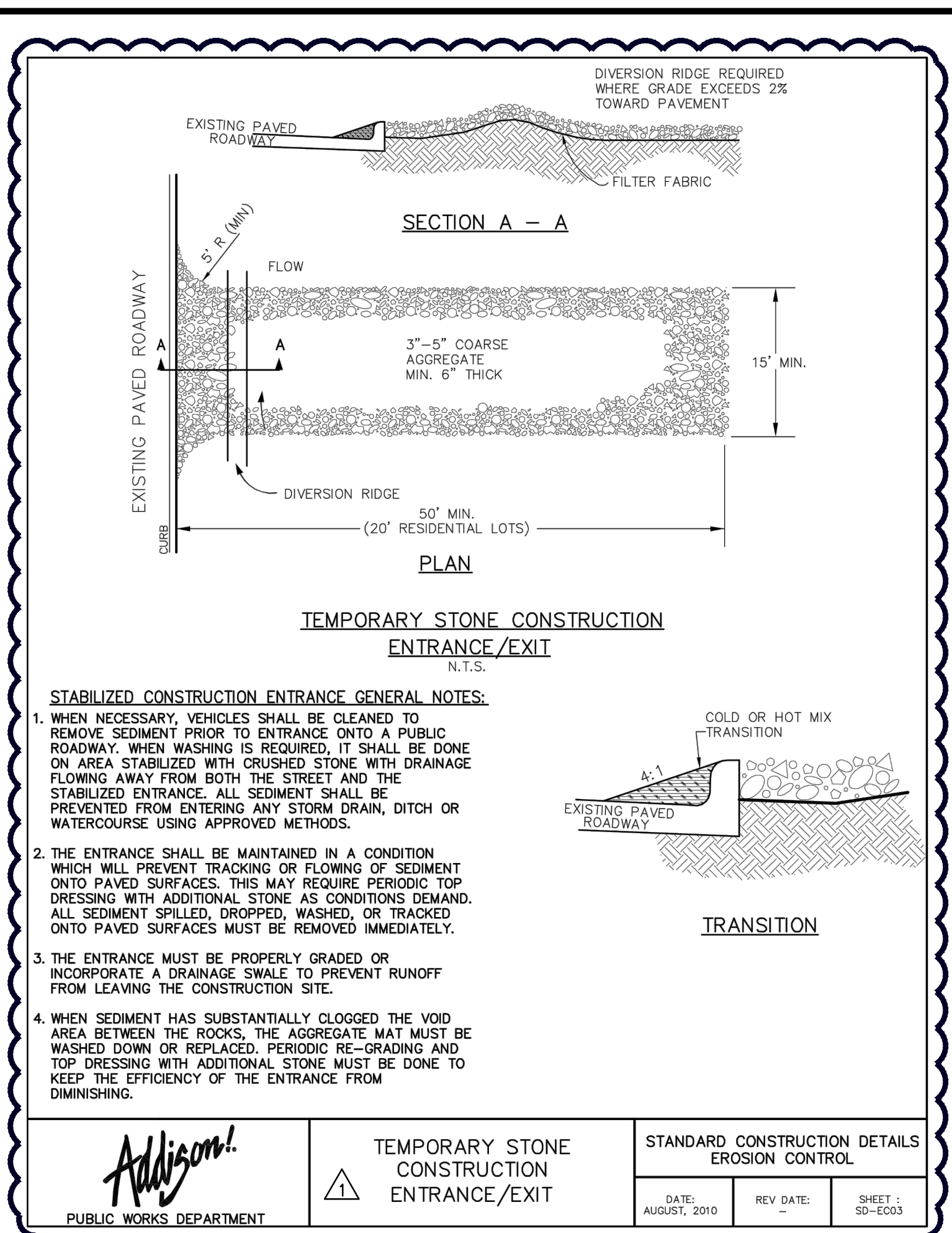
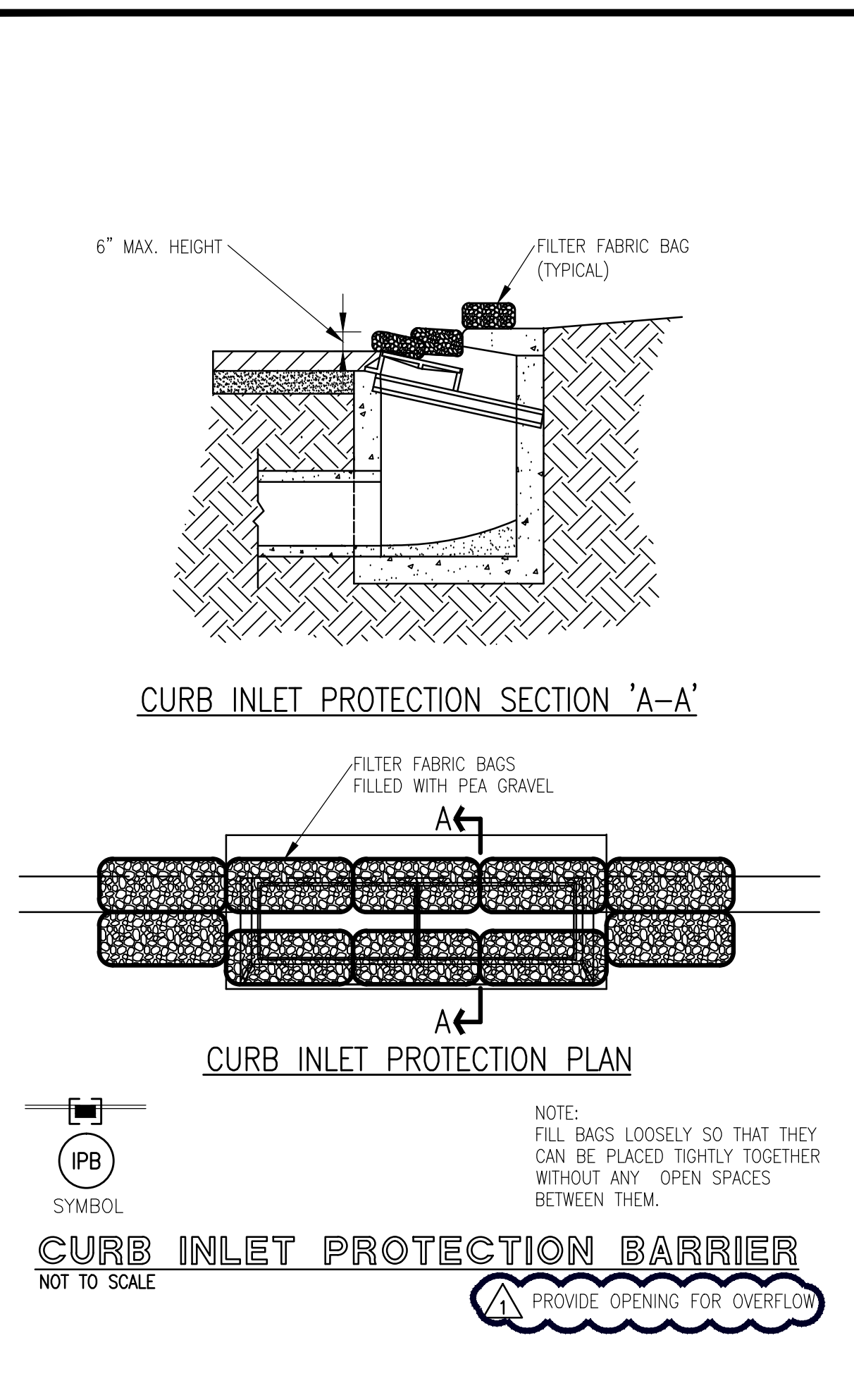
civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888s, TX 75254
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expwy, Suite 501
Dallas, TX 75205
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

original issue
BUILDING PERMIT 12.18.2014
revisions
ADDENDUM #1 01.27.2015

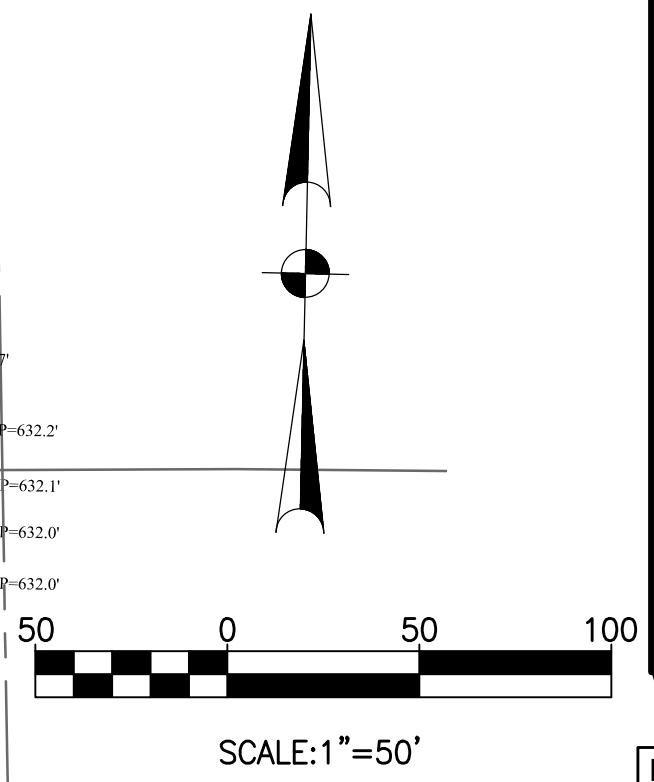
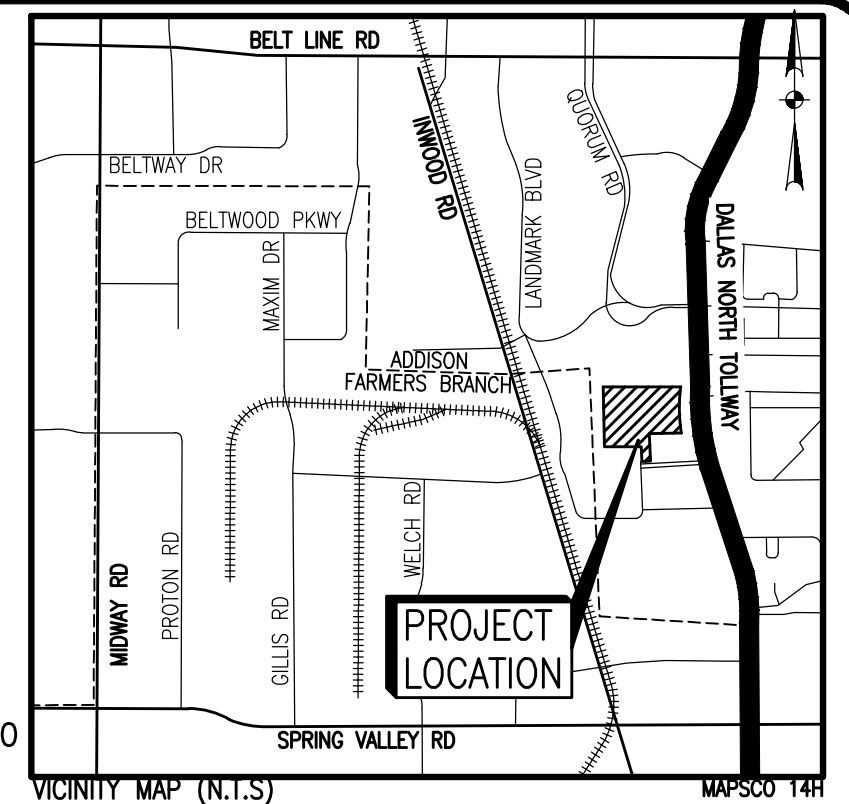
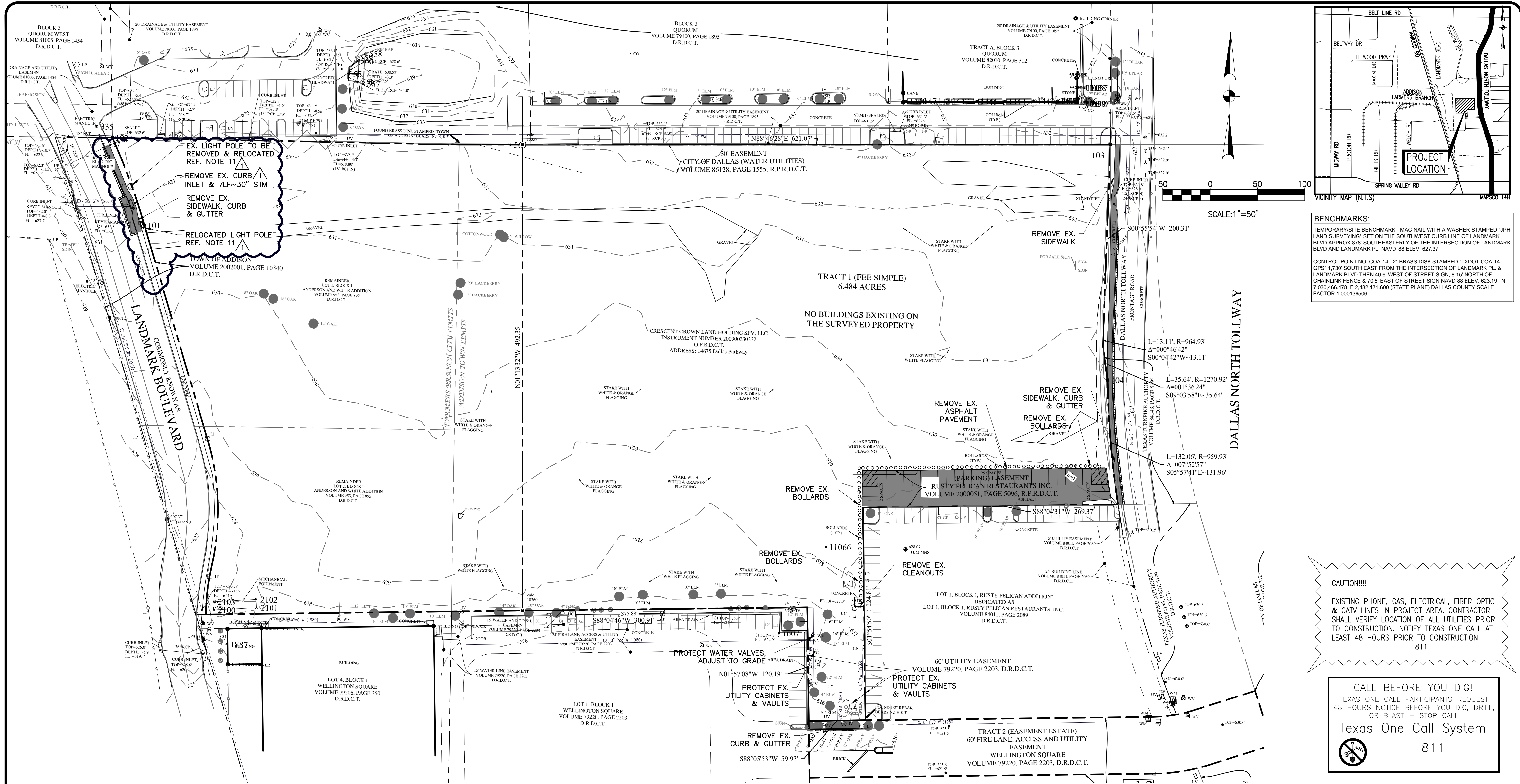


DATE	DESCRIPTION	REF. NO.				
01-27-15	ADDENDUM #1					
EROSION CONTROL DETAILS						
C2.01						
CAWLEY TOLLWAY OFFICE BUILDING						
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT						
14675 DALLAS PARKWAY, ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	JANUARY 2015				14-11

title
EROSION CONTROL DETAILS

project number 14067.100
date 12.18.2014
sheet

C2.01



BENCHMARKS:
 TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19 N 7,030,466.478 E 2,482,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

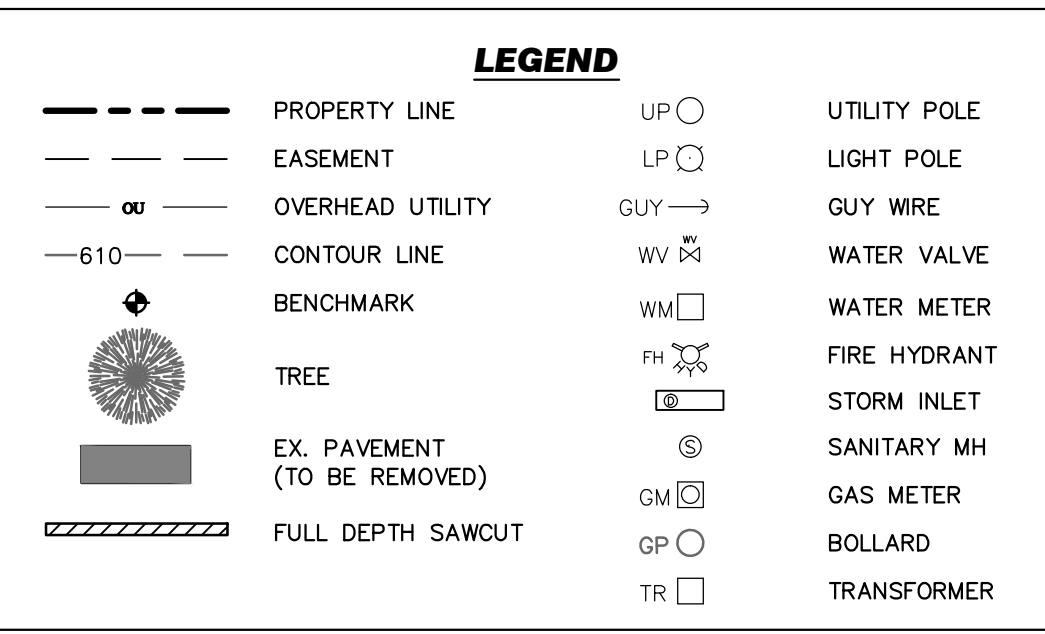
CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

DEMOLITION NOTES

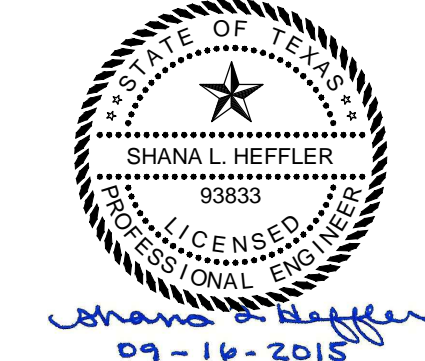
- EXISTING UTILITY INFORMATION IS BASED ON SEVERAL SOURCES INCLUDING A SURVEY ON THE GROUND OF IMPROVEMENTS VISIBLE ON THE SURFACE AND AS-BUILT DRAWINGS. WHILE EVERY ATTEMPT WAS MADE TO ACCURATELY DEPICT THE EXISTING UTILITIES, SOME UTILITIES MAY EXIST THAT ARE NOT DOCUMENTED. THE CONTRACTOR IS CAUTIONED TO USE A ONE CALL SERVICE TO LOCATE PUBLIC OR FRANCHISE SUBSURFACE UTILITIES PRIOR TO ANY EXCAVATION ACTIVITIES.
- ALL DEMOLITION DEBRIS TO BE DISPOSED OF LEGALLY IN A PERMITTED DISPOSAL FACILITY.
- LOCATIONS OF EXISTING STRUCTURES AND PAVEMENT TO BE REMOVED ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE NUMBER, TYPE, AND SIZE OF ALL STRUCTURES TO BE REMOVED.
- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND OBTAINING ALL PERMITS THAT ARE REQUIRED FOR SITE DEMOLITION.
- THE CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY PRIOR TO DEMOLITION TO COORDINATE THE DISCONNECTION/RELOCATION OF UTILITY SERVICES.

- REFER TO THE TOWN OF ADDISON'S RIGHT-OF-WAY WORK PERMIT AND THE INFRASTRUCTURE OPERATIONS AND SERVICES DEPARTMENT STANDARD DETAILS.
- PROVIDE TRAFFIC CONTROL FOR ALL WORK WITHIN PUBLIC RIGHTS-OF-WAY DURING DEMOLITION.
- REFER TO LANDSCAPE PLANS FOR TREE PROTECTION AND REMOVAL.
- REFER TO EROSION CONTROL PLAN FOR MEASURES TO BE INSTALLED PRIOR TO DEMOLITION BEGINNING.
- ALL EXISTING PUBLIC UTILITIES ARE TO REMAIN IN PLACE.

11. DISCONNECT LIGHT POLE FROM CURRENT POWER CIRCUIT. RE-LOCATE POLE TO NEW LOCATION AS SHOW IN PLANS AND RECONNECT TO SAME CIRCUIT. UTILIZE SAME WIRE AND RACEWAY SIZE AS CURRENTLY IN PLACE.

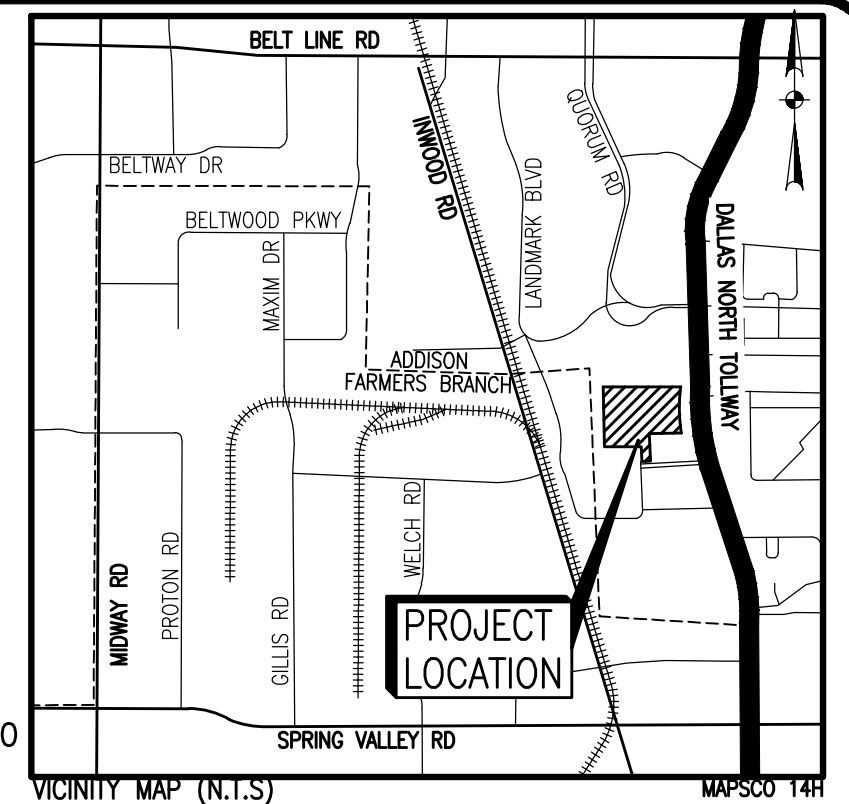
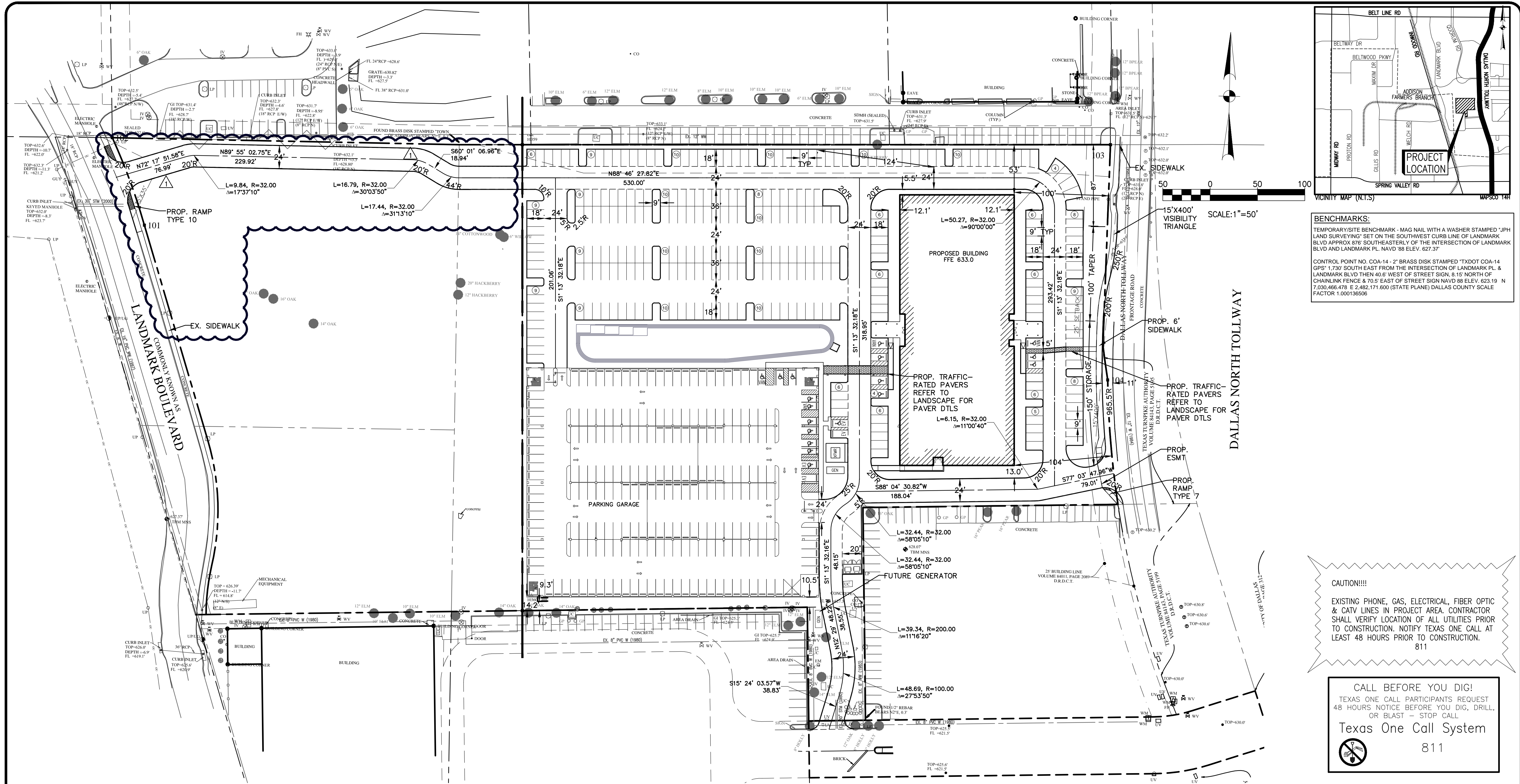


Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856



WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015	1" = 50'			14-11



BENCHMARKS:
 TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19 N 7,030,466.478 E 2,482,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

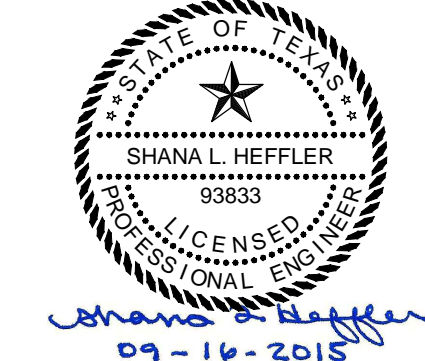
CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

LEGEND

---	PROPERTY LINE
---	STD. 6" CURB
---	FIRELANE
◆	BENCHMARK

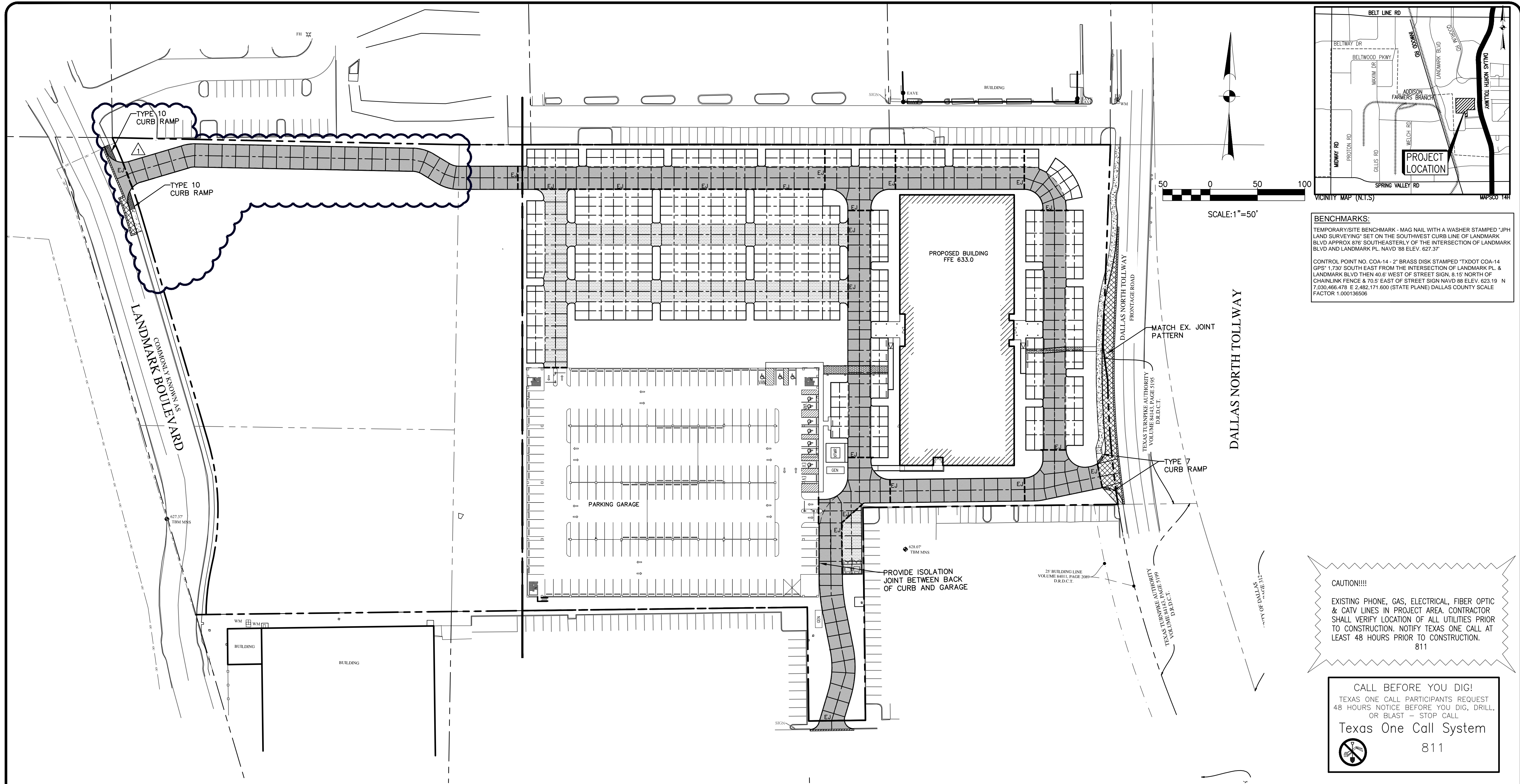
Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856



WALTER P MOORE

WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

09-16-15	LINK ROAD TO WEST REVISION	▲				
DATE	DESCRIPTION	REF. NO.				
DIMENSION CONTROL PLAN						
C4.00						
CAWLEY TOLLWAY OFFICE BUILDING						
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT						
14675 DALLAS PARKWAY, ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015	1" = 50'			14-11



BENCHMARKS:
 TEMPORARY SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1,730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19' N 7,030,466.478' E 2,482,171.600' (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

- PAVING NOTES**
- THE GEOTECHNICAL REPORT PREPARED BY ALLIANCE GEOTECHNICAL GROUP AND DATED OCTOBER 28, 2014 WITH SUPPLEMENT DATED NOVEMBER 12, 2014, SHALL BE CONSIDERED PART OF THESE DRAWINGS. IF ANY INCONSISTENCIES ARE FOUND BETWEEN THESE PLANS AND THE GEOTECHNICAL REPORT, THE GEOTECHNICAL REPORT SHALL PREVAIL.
 - PLACEMENT OF SAND BENEATH PAVEMENT AREAS IS PROHIBITED.
 - UPPER 8" PAVEMENT SUBGRADE SHALL BE SCARIFIED AND COMPACTED AT -2 TO +2 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT TO A MINIMUM OF 95% STANDARD PROCTOR MAXIMUM DENSITY (ASTM D 698). THE SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO SUBGRADE COMPACTION. FIRE LANES AND PAVEMENT WITHIN THE RIGHT-OF-WAY WILL NEED TO HAVE 8" OF LIME TREATED SUBGRADE WITH 7 TO 9% HYDRATED LIME BASED ON DRY WEIGHT (42 TO 54 LBS/SY).
 - REINFORCING STEEL TO BE NO. 3 BARS (ASTM A615 GRADE 60, UNLESS NOTED) AT 18 INCHES ON CENTER EACH WAY AND BE ELEVATED ON BAR CHAIRS.
 - CONCRETE MIXES SHALL INCLUDE ENTRAINED AIR OF 5 PERCENT (±1%) WITH A MAXIMUM WATER CEMENT RATIO OF 0.44.

- REFER TO THE TOWN OF ADDISON STANDARD CONSTRUCTION DETAILS FOR PAVING FOR IMPROVEMENTS WITHIN THE EXISTING R-O-W.
- DRIVE APPROACHES TO BE 8" CONCRETE CLASS "P2" WITH #3 BARS AT 18" CENTERS. DALLAS PARKWAY RIGHT TURN/DECELERATION LANE TO BE 10" CLASS "P1" OR "P2" WITH #4 BARS AT 18" CENTERS TO MEET TOWN OF ADDISON PAVING REQUIREMENTS LISTED IN GENERAL NOTES SHEET SD-P01.
- ALL PAVEMENT JOINT SPACING SHALL BE 15 FEET MAXIMUM ON CENTERS.
- ALL DIMENSIONS ARE FROM FACE OF CURB.
- SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS OF BUILDING.
- ALL EXISTING PUBLIC UTILITIES ARE TO REMAIN IN PLACE.
- BRICK PAVERS IN FIRE LANE WILL BE TRAFFIC-RATED, REFER TO LANDSCAPE PLANS FOR DETAILS.

LEGEND

---	PROPERTY LINE
- - - -	CONTROL JOINT
- - - -	EXPANSION JOINT
---	STD. 6" CURB
---	FIRELANE
◆	BENCHMARK
▨	24' FIRELANE 6" CONCRETE - 4000 psi @ 28 DAYS
▩	HEAVY DUTY 7" CONCRETE - 4000 psi @ 28 DAYS
▧	5" CONCRETE - 3600 psi @ 28 DAYS
▦	4" CONCRETE - 3000 psi @ 28 DAYS, SIDEWALK
▤	10" CONCRETE - 4500 psi @ 28 DAYS
▣	FULL DEPTH SAWCUT

Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

09-16-15	LINK ROAD TO WEST REVISION	▲				
DATE	DESCRIPTION	REF. NO.				
PAVING AND JOINTING PLAN						
C4.01						
CAWLEY TOLLWAY OFFICE BUILDING						
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT						
14675 DALLAS PARKWAY, ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JDD	SLH	APRIL 2015	1" = 50'			14-11

owners
CAWLEY PARTNERS
16400 North Dallas Parkway, Suite 150
Dallas, TX 75248
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUESS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888, TX 75201
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expy, Suite 501
Dallas, TX 75219
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

DATE	DESCRIPTION	REF. NO.
04-08-15	WCPR #1	
01-27-15	ADDENDUM #1	
	WCPR #1	

BUILDING PERMIT 12.18.2014
revisions
ADDENDUM #1 01.27.2015
WCPR #1 04.08.2015

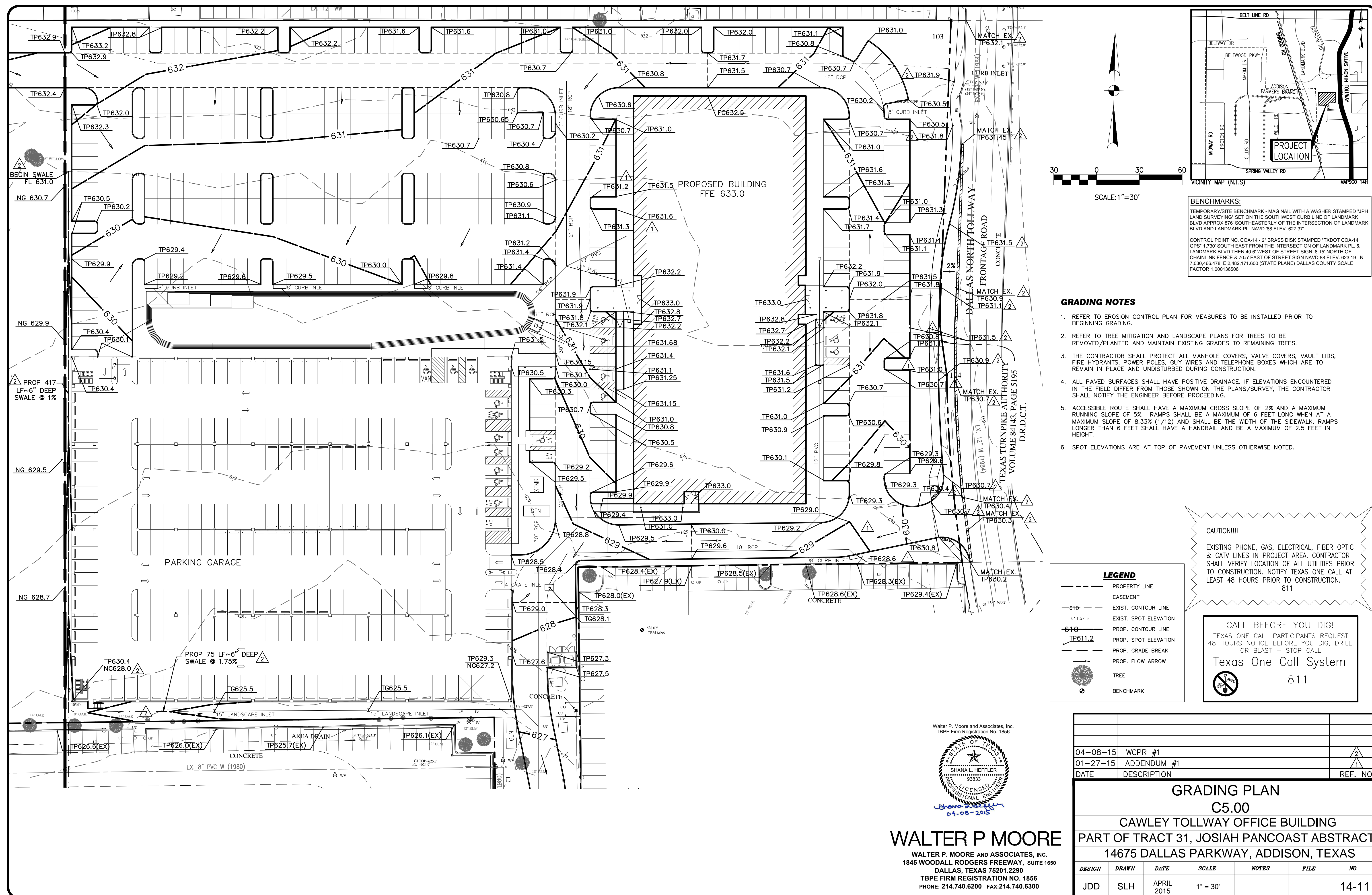
title
GRADING PLAN

project number 14067.100

date 12.18.2014

sheet

C5.00



GRADING NOTES

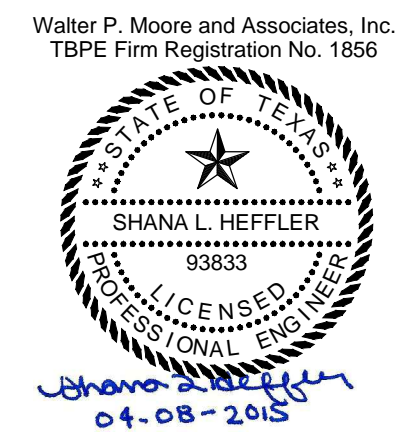
- REFER TO EROSION CONTROL PLAN FOR MEASURES TO BE INSTALLED PRIOR TO BEGINNING GRADING.
- REFER TO TREE MITIGATION AND LANDSCAPE PLANS FOR TREES TO BE REMOVED/PLANTED AND MAINTAIN EXISTING GRADERS TO REMAINING TREES.
- THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
- ALL PAVED SURFACES SHALL HAVE POSITIVE DRAINAGE. IF ELEVATIONS ENCOUNTERED IN THE FIELD DIFFER FROM THOSE SHOWN ON THE PLANS/SURVEY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
- ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5%. RAMP SHALL BE A MAXIMUM OF 6 FEET LONG WHEN AT A MAXIMUM SLOPE OF 8.33% (1/12) AND SHALL BE THE WIDTH OF THE SIDEWALK. RAMPS LONGER THAN 6 FEET SHALL HAVE A HANDRAIL AND BE A MAXIMUM OF 2.5 FEET IN HEIGHT.
- SPOT ELEVATIONS ARE AT TOP OF PAVEMENT UNLESS OTHERWISE NOTED.

LEGEND

---	PROPERTY LINE
---	EASEMENT
---	EXIST. CONTOUR LINE
---	EXIST. SPOT ELEVATION
---	PROP. CONTOUR LINE
---	PROP. SPOT ELEVATION
---	PROP. GRADE BREAK
---	PROP. FLOW ARROW
---	TREE
---	BENCHMARK

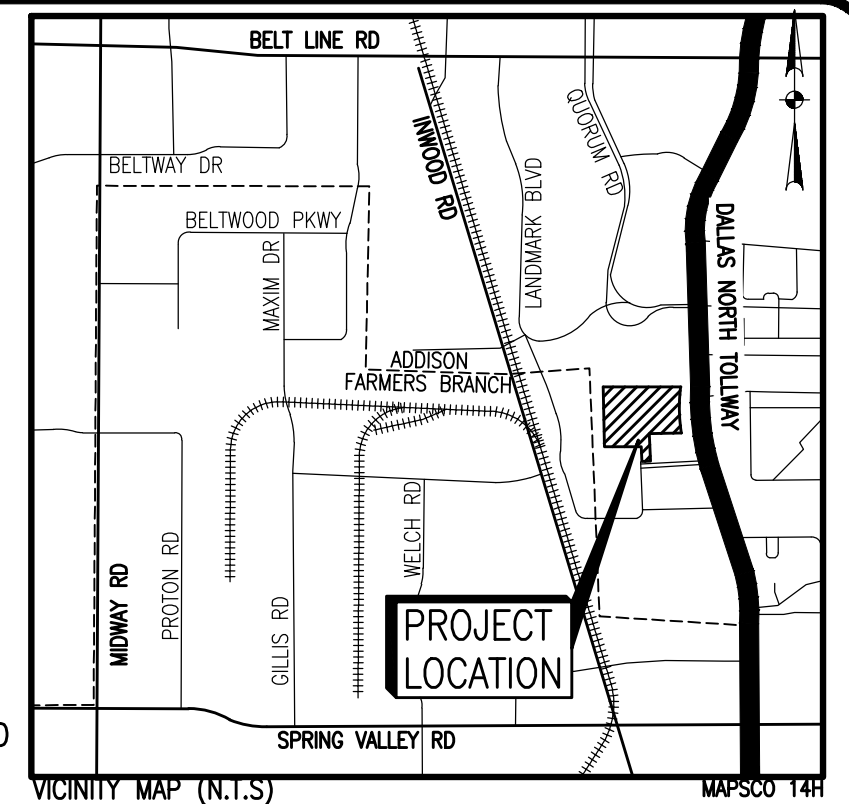
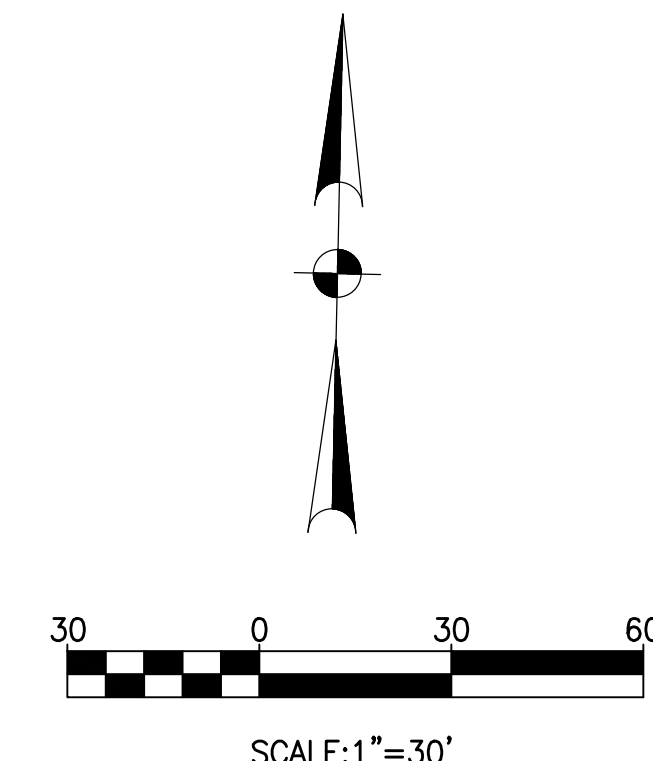
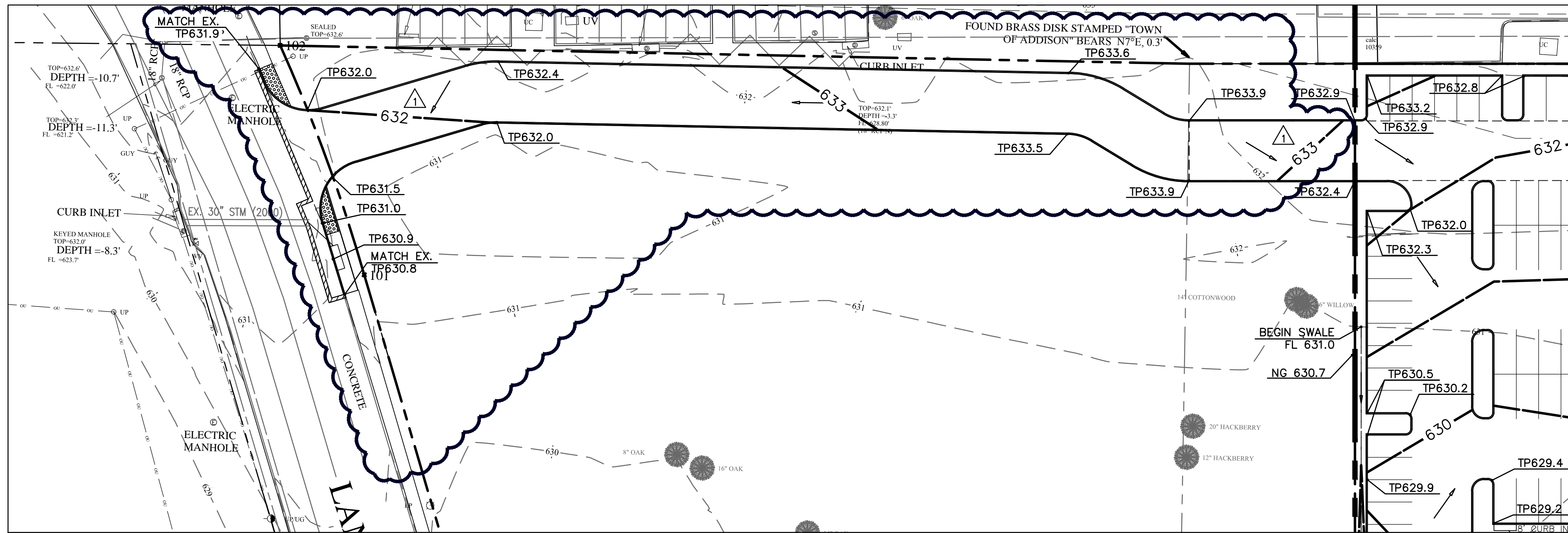
CAUTION!!!
EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
811

CALL BEFORE YOU DIG!
TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
Texas One Call System
811



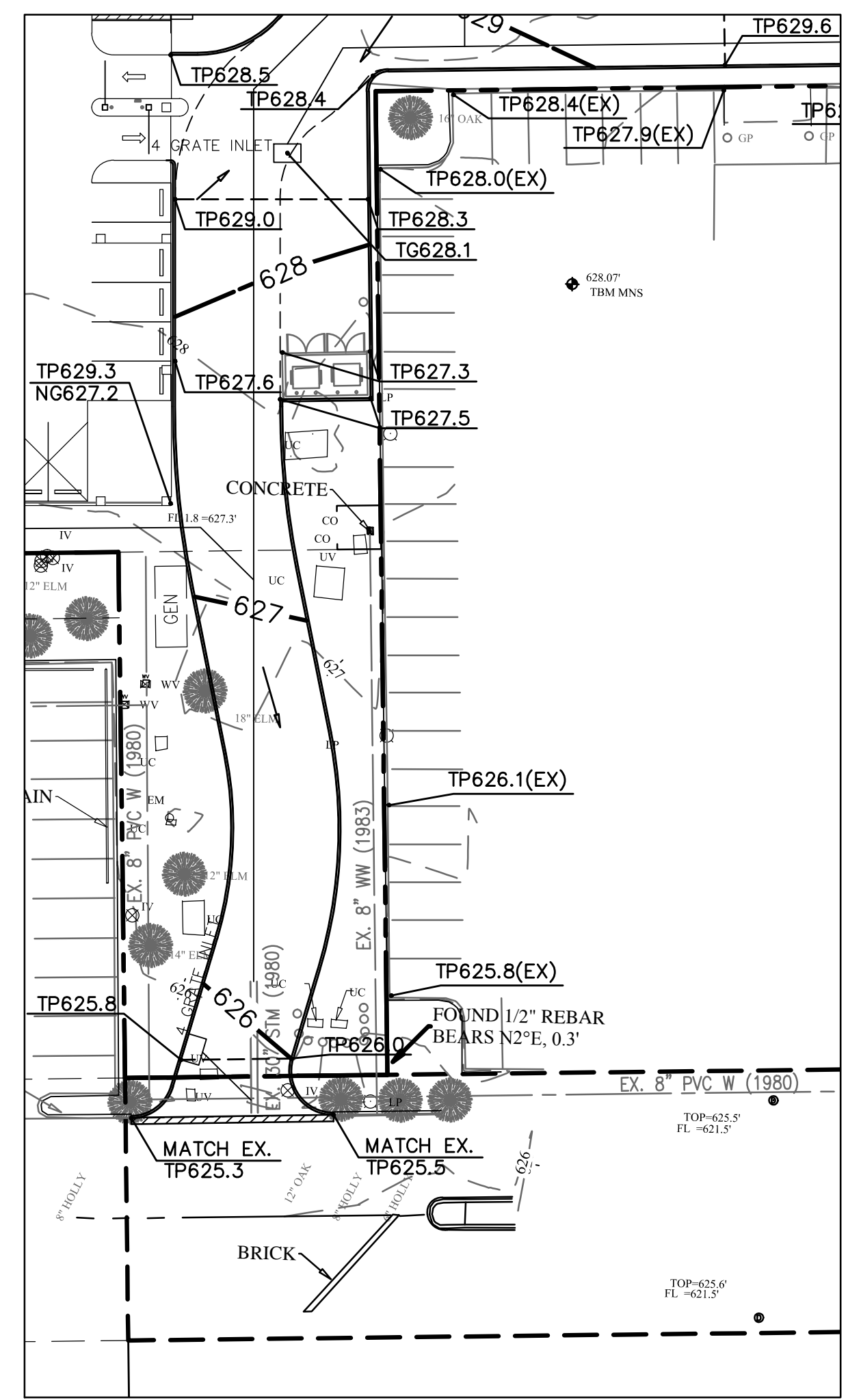
WALTER P MOORE
WALTER P. MOORE AND ASSOCIATES, INC.
1845 WOODALL RODGERS FREEWAY, SUITE 1650
DALLAS, TEXAS 75201-2290
TBPE FIRM REGISTRATION NO. 1856
PHONE: 214.740.6200 FAX: 214.740.6300

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JDD	SLH	APRIL 2015	1" = 30'			14-11



BENCHMARKS:
 TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19 N 7,030,466.478 E 2,482,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

- GRADING NOTES**
- REFER TO EROSION CONTROL PLAN FOR MEASURES TO BE INSTALLED PRIOR TO BEGINNING GRADING.
 - REFER TO TREE MITIGATION AND LANDSCAPE PLANS FOR TREES TO BE REMOVED/PLANTED AND MAINTAIN EXISTING GRADES TO REMAINING TREES.
 - THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
 - ALL PAVED SURFACES SHALL HAVE POSITIVE DRAINAGE. IF ELEVATIONS ENCOUNTERED IN THE FIELD DIFFER FROM THOSE SHOWN ON THE PLANS/SURVEY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
 - ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5%. RAMPS SHALL BE A MAXIMUM OF 6 FEET LONG WHEN AT A MAXIMUM SLOPE OF 8.33% (1/12) AND SHALL BE THE WIDTH OF THE SIDEWALK. RAMPS LONGER THAN 6 FEET SHALL HAVE A HANDRAIL AND BE A MAXIMUM OF 2.5 FEET IN HEIGHT.
 - SPOT ELEVATIONS ARE AT TOP OF PAVEMENT UNLESS OTHERWISE NOTED.



CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

LEGEND

	PROPERTY LINE
	EASEMENT
	EXIST. CONTOUR LINE
	EXIST. SPOT ELEVATION
	PROP. CONTOUR LINE
	PROP. SPOT ELEVATION
	PROP. GRADE BREAK
	PROP. FLOW ARROW
	TREE
	BENCHMARK

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856



WALTER P MOORE

WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

DATE	DESCRIPTION	REF. NO.
09-16-15	LINK ROAD TO WEST REVISION	

GRADING PLAN
C5.01
CAWLEY TOLLWAY OFFICE BUILDING
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT
14675 DALLAS PARKWAY, ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JDD	SLH	APRIL 2015	1" = 30'			14-11

owners
CAWLEY PARTNERS
16400 North Dallas Parkway, Suite 150
Dallas, TX 75248
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUESS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888, TX 75201
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expy, Suite 501
Dallas, TX 75205
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

REVISIONS	DATE	DESCRIPTION	REF. NO.
05-19-16	WPCR #22.3 - CAFE RAMP & STAIRS ADDITION		
04-08-15	WPCR #1		
01-27-15	ADDENDUM #1		
DATE	DESCRIPTION		

BUILDING PERMIT	DATE
ADDENDUM #1	01.27.2015
WPCR #1	04.08.2015
WPCR #22.3	05.19.2016

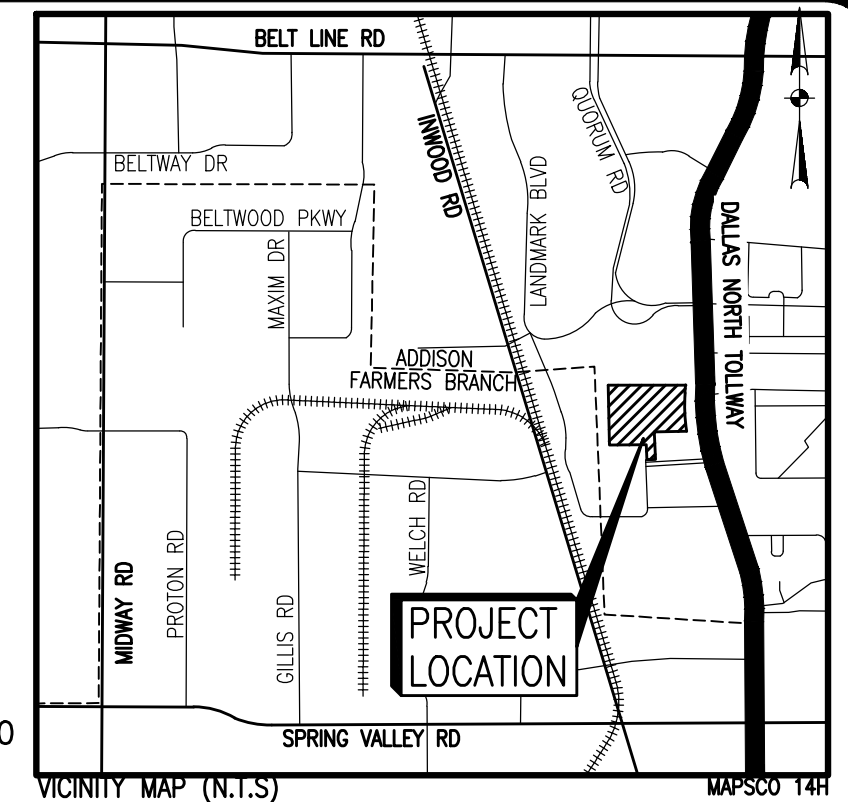
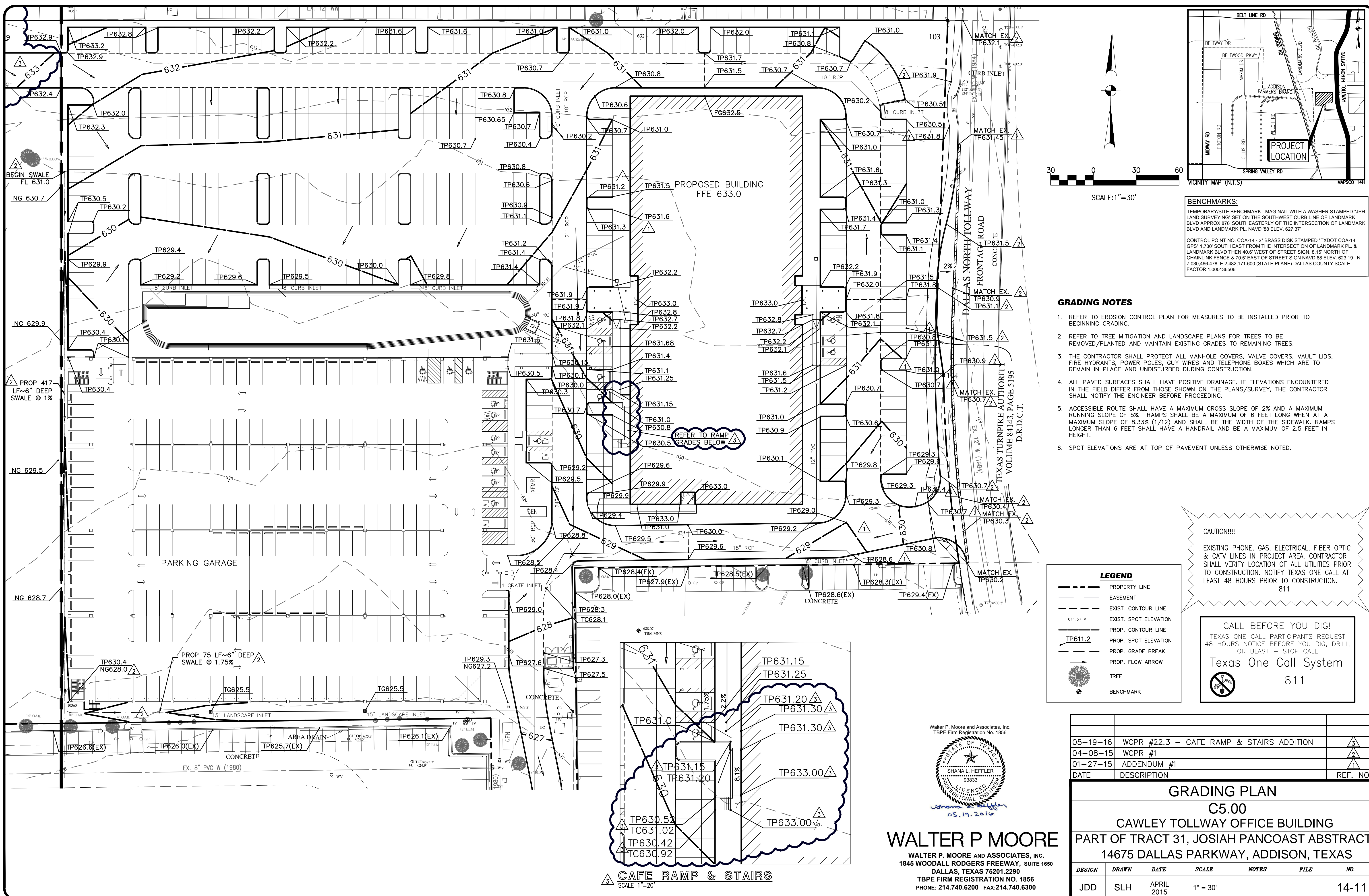
title
GRADING PLAN

project number 14067.100

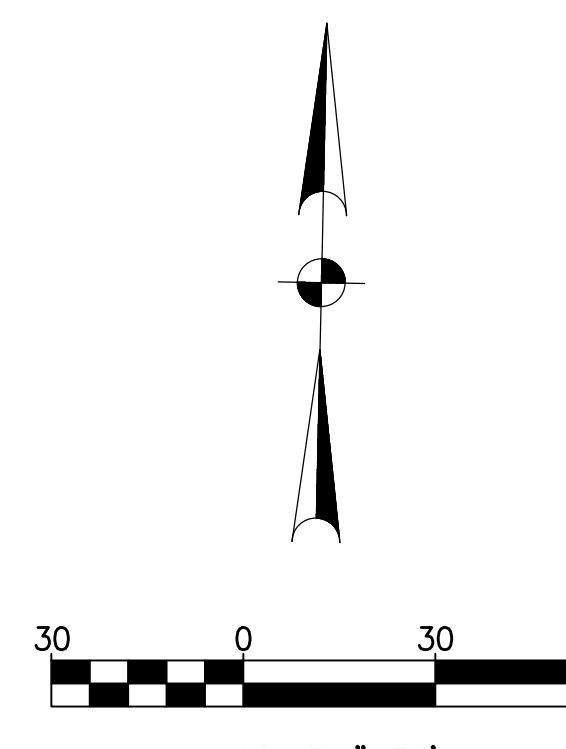
date 12.18.2014

sheet

C5.00



BENCHMARKS:
TEMPORARY SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD 88 ELEV. 627.37'
CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS 1.700' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD 88 ELEV. 623.19' N 7,030,466.476 E 2,548,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506



GRADING NOTES

- REFER TO EROSION CONTROL PLAN FOR MEASURES TO BE INSTALLED PRIOR TO BEGINNING GRADING.
- REFER TO TREE MITIGATION AND LANDSCAPE PLANS FOR TREES TO BE REMOVED/PLANTED AND MAINTAIN EXISTING GRADERS TO REMAINING TREES.
- THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
- ALL PAVED SURFACES SHALL HAVE POSITIVE DRAINAGE, IF ELEVATIONS ENCOUNTERED IN THE FIELD DIFFER FROM THOSE SHOWN ON THE PLANS/SURVEY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
- ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5%. RAMP SHALL BE A MAXIMUM OF 6 FEET LONG WHEN AT A MAXIMUM SLOPE OF 3.33% (1/12) AND SHALL BE THE WIDTH OF THE SIDEWALK. RAMPS LONGER THAN 6 FEET SHALL HAVE A HANDRAIL AND BE A MAXIMUM OF 2.5 FEET IN HEIGHT.
- SPOT ELEVATIONS ARE AT TOP OF PAVEMENT UNLESS OTHERWISE NOTED.

LEGEND

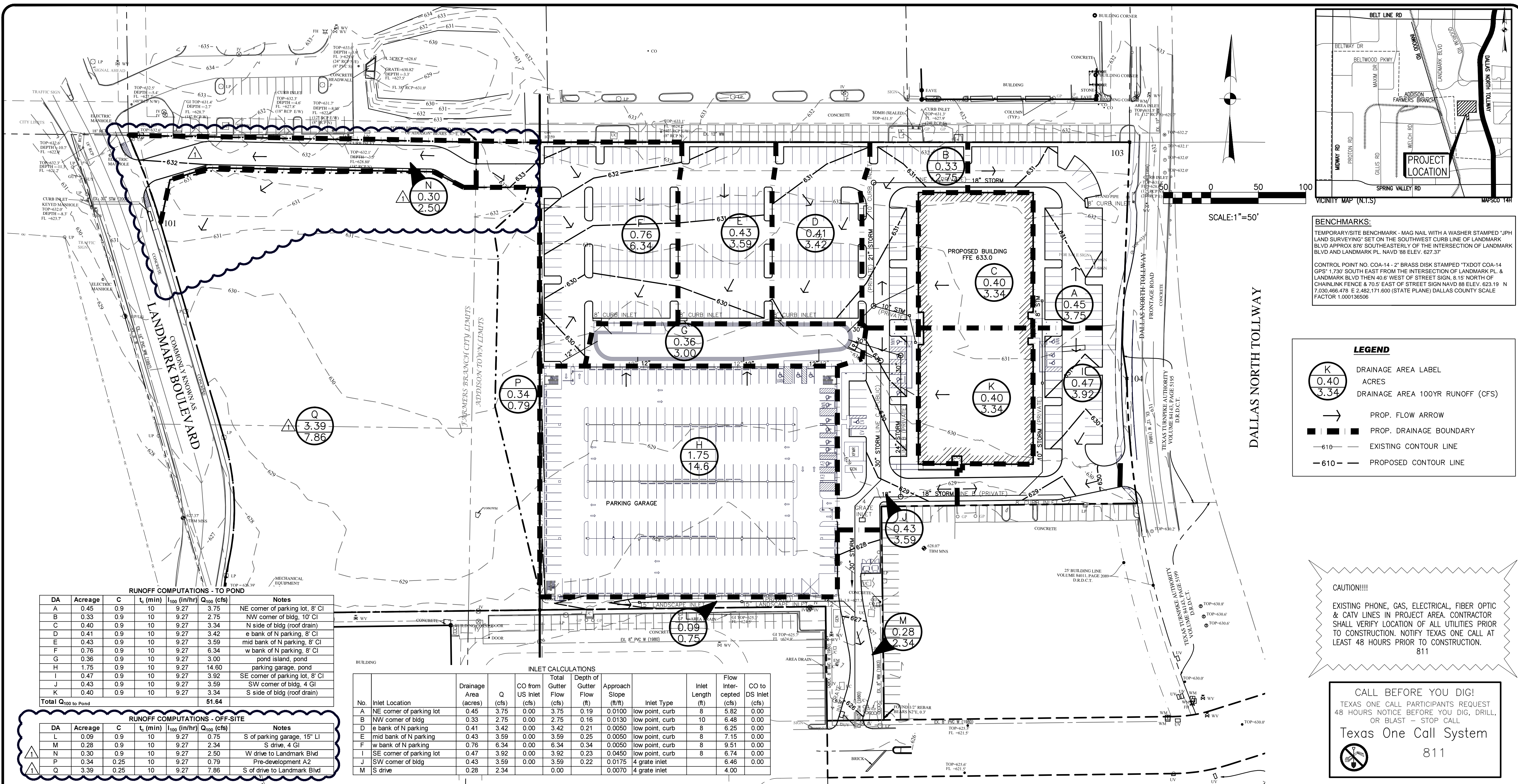
- PROPERTY LINE
- EASEMENT
- EXIST. CONTOUR LINE
- 611.57 x EXIST. SPOT ELEVATION
- TP611.2 PROP. CONTOUR LINE
- PROP. SPOT ELEVATION
- PROP. GRADE BREAK
- PROP. FLOW ARROW
- TREE
- BENCHMARK

CALL BEFORE YOU DIG!
TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
Texas One Call System
811

Walter P. Moore and Associates, Inc.
Professional Engineer
Shannon Heffler
05.19.2016
WALTER P MOORE
WALTER P. MOORE AND ASSOCIATES, INC.
1845 WOODALL RODGERS FREEWAY, SUITE 1650
DALLAS, TEXAS 75201-2290
TBPE FIRM REGISTRATION NO. 1856
PHONE: 214.740.6200 FAX: 214.740.6300

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JDD	SLH	APRIL 2015	1" = 30'			14-11

CAFE RAMP & STAIRS
SCALE 1"=20'



BENCHMARKS:
 TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD '88 ELEV. 623.19' N 7.030,466,478 E 2,482,171,600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

LEGEND

- K** (0.40 / 3.34) DRAINAGE AREA LABEL
- ACRES
- DRAINAGE AREA 100YR RUNOFF (CFS)
- PROP. FLOW ARROW
- ▬▬▬ PROP. DRAINAGE BOUNDARY
- 610- EXISTING CONTOUR LINE
- 610- PROPOSED CONTOUR LINE

CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

RUNOFF COMPUTATIONS - TO POND

DA	Acreage	C	t _c (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	Notes
A	0.45	0.9	10	9.27	3.75	NE corner of parking lot, 8' CI
B	0.33	0.9	10	9.27	2.75	NW corner of bldg, 10' CI
C	0.40	0.9	10	9.27	3.34	N side of bldg (roof drain)
D	0.41	0.9	10	9.27	3.42	e bank of N parking, 8' CI
E	0.43	0.9	10	9.27	3.59	mid bank of N parking, 8' CI
F	0.76	0.9	10	9.27	6.34	w bank of N parking, 8' CI
G	0.36	0.9	10	9.27	3.00	pond island, pond
H	1.75	0.9	10	9.27	14.60	parking garage, pond
I	0.47	0.9	10	9.27	3.92	SE corner of parking lot, 8' CI
J	0.43	0.9	10	9.27	3.59	SW corner of bldg, 4 GI
K	0.40	0.9	10	9.27	3.34	S side of bldg (roof drain)
Total Q₁₀₀ to Pond					51.64	

RUNOFF COMPUTATIONS - OFF-SITE

DA	Acreage	C	t _c (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	Notes
L	0.09	0.9	10	9.27	0.75	S of parking garage, 15" LI
M	0.28	0.9	10	9.27	2.34	S drive, 4 GI
N	0.30	0.9	10	9.27	2.50	W drive to Landmark Blvd
P	0.34	0.25	10	9.27	0.79	Pre-development A2
Q	3.39	0.25	10	9.27	7.86	S of drive to Landmark Blvd

INLET CALCULATIONS

No.	Inlet Location	Drainage Area (acres)	Q (cfs)	CO from US Inlet (cfs)	Total Gutter Flow (cfs)	Depth of Gutter Flow (ft)	Approach Slope (ft/ft)	Inlet Type	Inlet Length (ft)	Flow Intercepted (cfs)	CO to DS Inlet (cfs)
A	NE corner of parking lot	0.45	3.75	0.00	3.75	0.19	0.0100	low point, curb	8	5.82	0.00
B	NW corner of bldg	0.33	2.75	0.00	2.75	0.16	0.0130	low point, curb	10	6.48	0.00
D	e bank of N parking	0.41	3.42	0.00	3.42	0.21	0.0050	low point, curb	8	6.25	0.00
E	mid bank of N parking	0.43	3.59	0.00	3.59	0.25	0.0050	low point, curb	8	7.15	0.00
F	w bank of N parking	0.76	6.34	0.00	6.34	0.34	0.0050	low point, curb	8	9.51	0.00
I	SE corner of parking lot	0.47	3.92	0.00	3.92	0.23	0.0450	low point, curb	8	6.74	0.00
J	SW corner of bldg	0.43	3.59	0.00	3.59	0.22	0.0175	4 grate inlet		6.46	0.00
M	S drive	0.28	2.34	0.00	0.00	0.0070	0.0070	4 grate inlet		4.00	0.00

STORM DRAIN SYSTEM CALCULATIONS

RUNOFF COLLECTION POINT (INLET OR MANHOLE)			INCREMENTAL DRAINAGE AREA				ACCUMULATED "CA"	TIME AT UPSTREAM STATION	FLOW TIME	TIME AT DS STATION	STORM FREQUENCY	INTENSITY "I"	RUNOFF "Q"	STORM SEWER SIZE	SLOPE OF HYDRAULIC GRADIENT "S"	HYDRAULIC GRADIENT ELEVATION	INFLOW VELOCITY "V1"	OUTFLOW VELOCITY "V2"	VELOCITY HEAD "VH1"	VELOCITY HEAD "VH2"	HEAD LOSS COEFF "Kj"	FRICION HEAD LOSS IN PIPE "L" "S"	HEAD LOSS "H"	ELEV. HGL @ DESIGN PT			
UP STREAM STATION	DOWN STREAM STATION	DISTANCE BETWEEN COLLECTION POINTS (FT)	AREA NO.	DRAINAGE AREA "A" (ACRES)	Total Area (ACRES)	RUNOFF COEFF. "C"	INCREMENTAL "CA"	(MIN)	(MIN)	(MIN)	(YEARS)	(IN/HR)	(CFS)	(IN)	(FT/FT)	UP STREAM	(FPS)	(FPS)	(FT)	(FT)	KxVH1	(FT)	(FT)	ms.l			
LINE "A" - north side																											
5+01	4+72	29.00	A	0.45	0.45	0.9	0.41	0.41	10.00	0.23	100	9.27	3.75	18	0.0013	628.67	628.63	0.00	2.12	0.00	0.07	1.25	0.00	0.04	628.77		
4+72	2+70	202.00		0.00	0.45	0.9	0.00	0.41	10.00	1.58	100	9.27	3.75	18	0.0013	628.53	628.27	2.12	2.12	0.07	0.07	0.50	45-BEND	0.26	0.10	628.63	
2+70	2+30	40.00		0.00	0.45	0.9	0.00	0.41	10.00	0.43	100	9.27	3.75	21	0.0006	628.17	628.15	2.12	1.56	0.07	0.04	0.70	90-BEND	0.02	0.10	628.27	
2+30	1+39	91.00	B	0.33	0.78	0.9	0.30	0.70	12.24	0.56	100	9.27	6.51	21	0.0017	628.05	627.89	1.56	2.71	0.04	0.11	0.75	0.03	0.15	0.10	628.15	
1+39	1+00	39.00	C+	0.47	1.25	0.9	0.42	1.13	12.80	0.20	100	9.27	10.43	24	0.0021	627.78	627.70	2.71	3.32	0.11	0.17	0.53	0.06	0.08	0.11	627.89	
LINE "B" - south side																											
4+81	4+76	5.00	I	0.47	0.47	0.9	0.42	0.42	10.00	0.04	100	9.27	3.92	18	0.0014	628.43	628.42	0.00	2.22	0.00	0.08	1.25	0.00	0.01	0.10	628.52	
4+76	4+31	45.00		0.00	0.47	0.9	0.00	0.42	10.00	0.34	100	9.27	3.92	18	0.0014	628.38	628.32	2.22	2.22	0.08	0.08	0.50	45-BEND	0.06	0.04	628.42	
4+31	3+06	125.00	LANDSCAPE	0.04	0.51	0.9	0.04	0.46	10.38	0.87	1124	100	9.27	4.25	18	0.0016	628.29	628.08	2.22	2.41	0.08	0.09	0.75	0.06	0.21	0.03	628.32
3+06	1+93	113.00	J	0.43	0.94	0.9	0.39	0.85	11.24	0.75	1113	100	9.27	7.84	24	0.0012	628.01	627.87	2.41	2.50	0.09	0.10	0.30	0.03	0.14	0.07	628.08
1+93	1+90	3.00		0.00	0.94	0.9	0.00	0.85	11.24	0.03	1116	100	9.27	7.84	30	0.0004	627.87	627.87	2.50	1.60	0.10	0.04	0.10	DIA CH	0.00	0.00	627.87
1+90	1+57	33.00	K	0.40	1.34	0.9	0.36	1.21	11.16	0.24	1140	100	9.27	11.18	30	0.0007	627.82	627.79	1.60	2.28	0.04	0.08	0.75	0.03	0.02	0.05	627.87
1+57	1+00	57.00		0.00	1.34	0.9	0.00	1.21	11.16	0.42	1182	100	9.27	11.18	30	0.0007	627.74	627.70	2.28	2.28	0.08	0.08	0.64	75-BEND	0.04	0.05	627.79
0+00		0.00																								627.70	

Walter P. Moore and Associates, Inc.
 TBPE Firm Registration No. 1856

SHANA L. HEFFLER
 LICENSED PROFESSIONAL ENGINEER
 09-16-2015

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

DATE	DESCRIPTION	REF. NO.
09-16-15	LINK ROAD TO WEST REVISION	

DRAINAGE AREA MAP - PROP. CONDITIONS
C6.00
CAWLEY TOLLWAY OFFICE BUILDING
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT
14675 DALLAS PARKWAY, ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015	1" = 50'			14-11

owners
CAWLEY PARTNERS
16400 North Dallas Parkway, Suite 150
Dallas, TX 75248
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUESS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75210
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888, TX 75201
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expy, Suite 501
Dallas, TX 75205
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

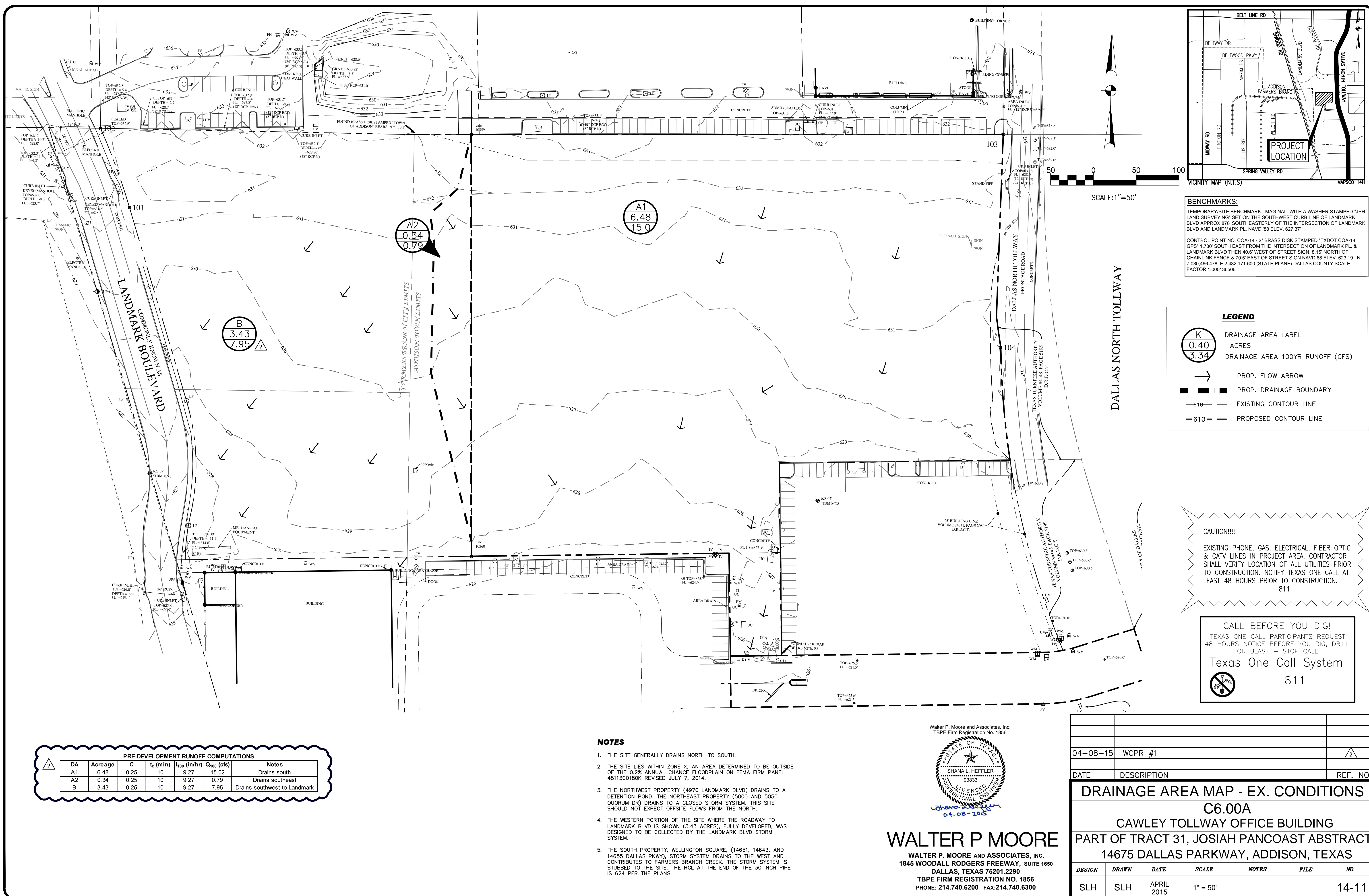
original issue
ADDENDUM #1 01.27.2015
revisions

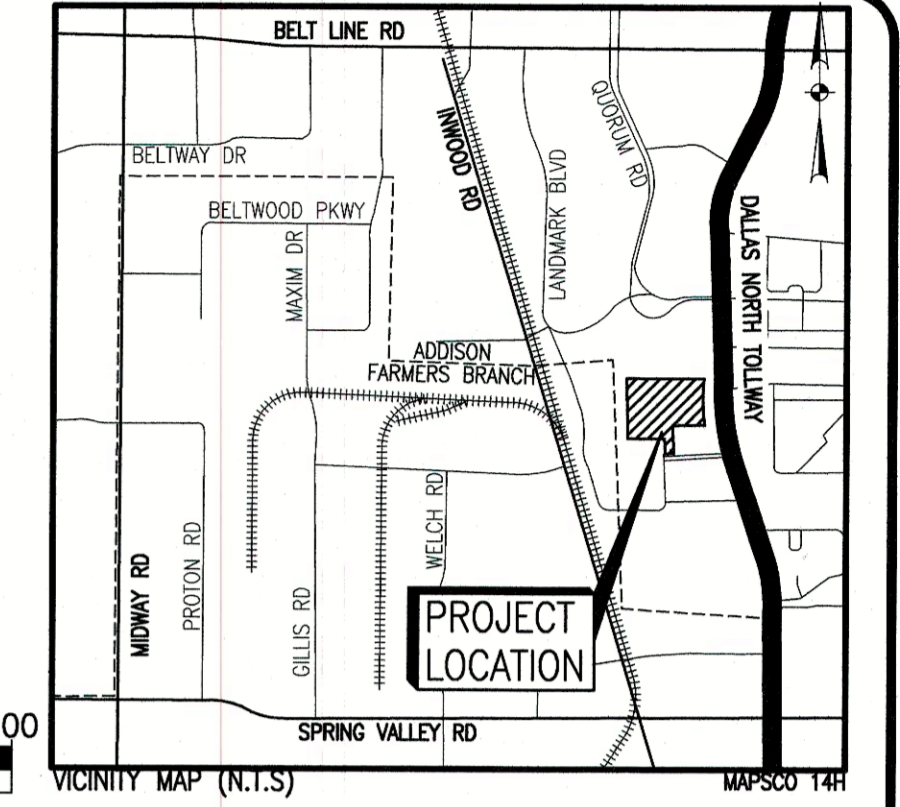
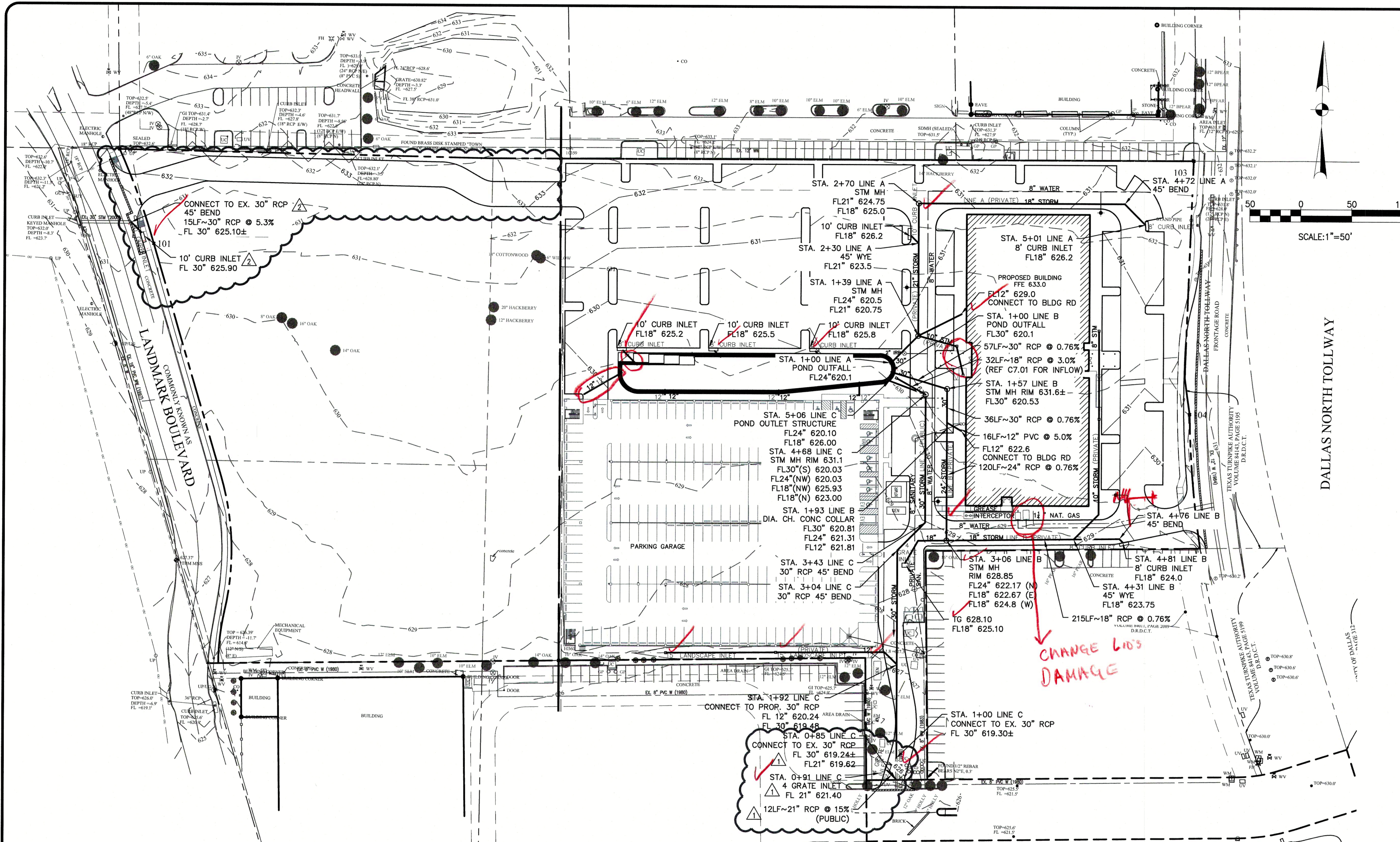
WCPR #1 04.08.2015

title
DRAINAGE AREA MAP - EX. CONDITIONS

project number 14067.100
date 01.27.2015
sheet

C6.00A





SCALE: 1"=50'

BENCHMARKS:
 TEMPORARY SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 876' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 627.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS" 1.730' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, 8.15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD 88 ELEV. 623.19 N 7,030,486.478 E 2,482,171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506

LEGEND

---	PROPERTY LINE
---	EASEMENT
-610-	EXIST. CONTOUR LINE
611.57 x	EXIST. SPOT ELEVATION
-610-	PROP. CONTOUR LINE
+	BENCHMARK

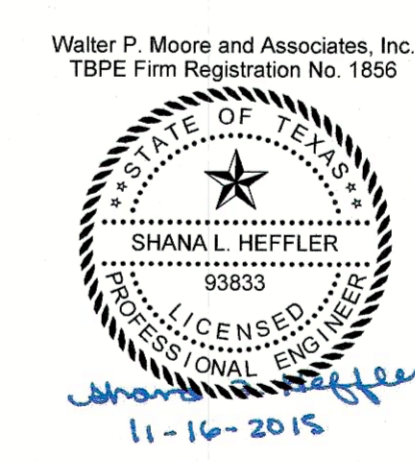
*Changes Shown.
 Circled Items need to be completed.*
CalHar Construction, Inc.
 ASBUILT PLANS AS OF: 6-3-2016
 SIGNED BY: *Edward Smith*

CAUTION!!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

STORM DRAINAGE NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE TOWN OF ADDISON REQUIREMENTS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION AND THE TOWN OF ADDISON'S STANDARD CONSTRUCTION DETAILS FOR STORM AND PAVING.
- DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER MUST BE APPROVED BY THE DIRECTOR OF ENGINEERING OR HER DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES.
- FOR ADJUSTMENT OF ADDISON'S WATER APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN THE AREA, CALL THE INFRASTRUCTURE OPERATIONS AND SERVICES DEPARTMENT, 972-450-2871 AT LEAST THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- EXISTING PUBLIC UTILITIES ARE TO REMAIN IN PLACE.
- ELEVATIONS OF STORM DRAIN TIE-INS ARE BASED ON SURVEY FLOWLINES OF INLETS AND AS BUILT PLANS FROM THE TOWN OF ADDISON.
- THE MINIMUM ALLOWABLE STRENGTH FOR CONCRETE STRUCTURES IS 3000 PSI. RCP SHALL BE CLASS III.



WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1660
 DALLAS, TEXAS 75201.2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015	1" = 50'			14-11

DATE	DESCRIPTION	REF. NO.
11-16-15	LINK ROAD TO WEST REVISION	2
11-16-15	FIRE LANE TO SOUTH REVISION	1

STORM DRAIN PLAN
C7.00
CAWLEY TOLLWAY OFFICE BUILDING
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT
14675 DALLAS PARKWAY, ADDISON, TEXAS

owners
CAWLEY PARTNERS
16400 North Dallas Parkway, Suite 150
Dallas, TX 75248
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUSS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888, TX 75201
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expwy, Suite 501
Dallas, TX 75219
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

BUILDING PERMIT	12.18.2014
revisions	
ADDENDUM #1	01.27.2015
WCPR #1	04.08.2015

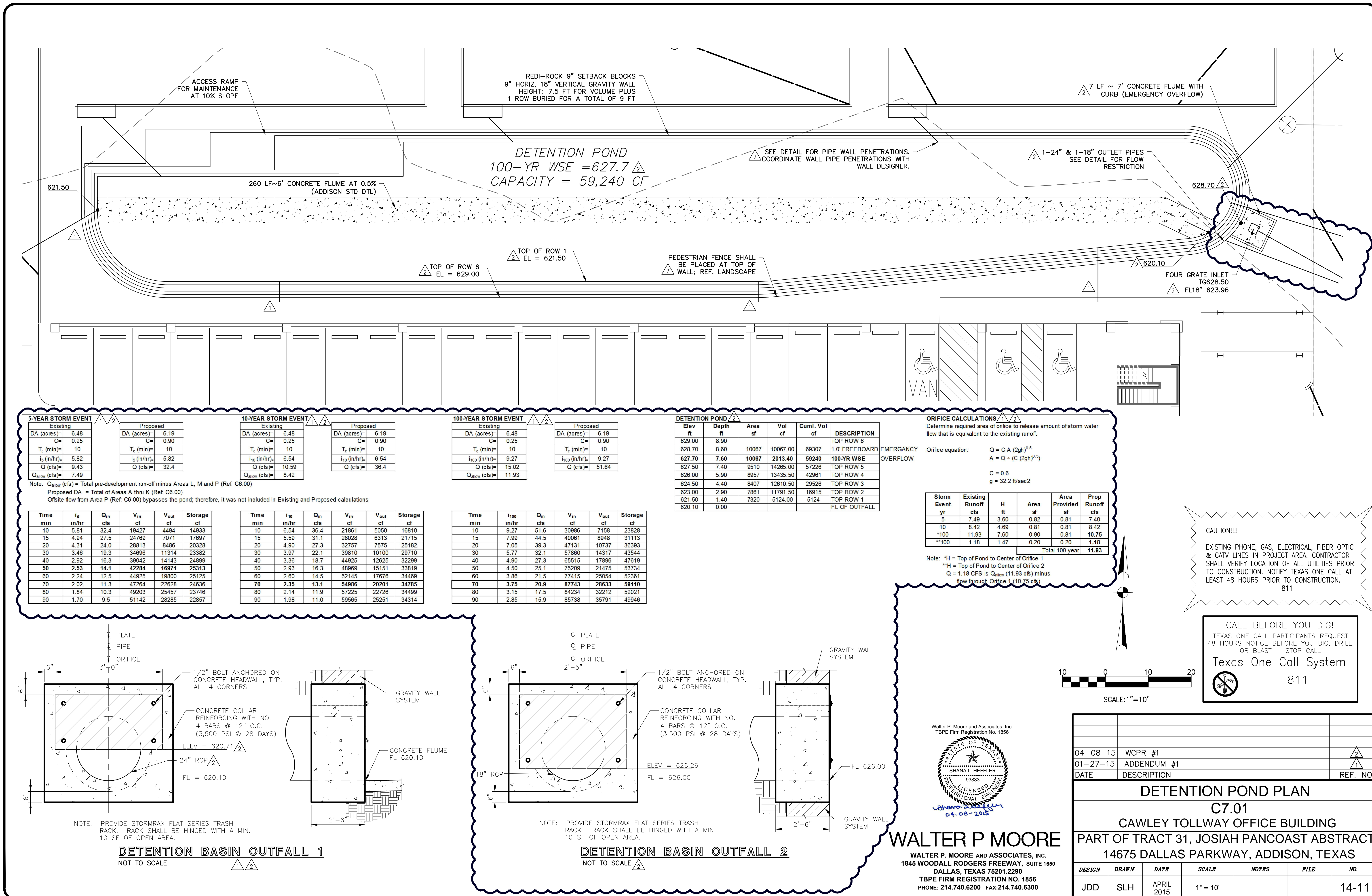
title
DETENTION POND PLAN

project number **14067.100**

date **12.18.2014**

sheet

C7.01



5-YEAR STORM EVENT

Existing		Proposed	
DA (acres)	6.48	DA (acres)	6.19
C _a	0.25	C _a	0.90
T _c (min)	10	T _c (min)	10
I ₃₀ (in/hr)	5.82	I ₃₀ (in/hr)	5.82
Q (cfs)	9.43	Q (cfs)	32.4
Q _{outlet} (cfs)	7.49	Q _{outlet} (cfs)	8.42

10-YEAR STORM EVENT

Existing		Proposed	
DA (acres)	6.48	DA (acres)	6.19
C _a	0.25	C _a	0.90
T _c (min)	10	T _c (min)	10
I ₃₀ (in/hr)	6.54	I ₃₀ (in/hr)	6.54
Q (cfs)	10.59	Q (cfs)	36.4
Q _{outlet} (cfs)	8.42	Q _{outlet} (cfs)	8.42

100-YEAR STORM EVENT

Existing		Proposed	
DA (acres)	6.48	DA (acres)	6.19
C _a	0.25	C _a	0.90
T _c (min)	10	T _c (min)	10
I ₃₀ (in/hr)	9.27	I ₃₀ (in/hr)	9.27
Q (cfs)	15.02	Q (cfs)	51.64
Q _{outlet} (cfs)	11.93	Q _{outlet} (cfs)	11.93

DETENTION POND

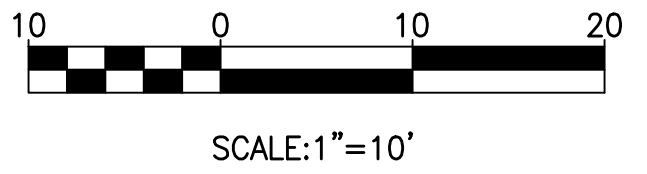
Elev	Depth	Area	Vol	Cum. Vol	DESCRIPTION
629.00	8.90	10067.00	89307	89307	TOP ROW 6
628.70	8.60	10067.00	170974	170974	1.0' FREEBOARD
627.50	7.40	9510.00	14285.00	57226	TOP ROW 5
626.00	5.90	8957.00	13435.50	42961	TOP ROW 4
624.50	4.40	8407.00	12610.50	29526	TOP ROW 3
623.00	2.90	7861.00	11791.50	16915	TOP ROW 2
621.50	1.40	7320.00	8124.00	5124	TOP ROW 1
620.10	0.00				FL OF OUTFALL

ORIFICE CALCULATIONS
Determine required area of orifice to release amount of storm water flow that is equivalent to the existing runoff.
Orifice equation: $Q = C A (2gh)^{0.5}$
 $A = Q / (C (2gh)^{0.5})$
C = 0.6
g = 32.2 ft/sec²

Storm Event	Existing Runoff	H	Area	Area Provided	Prop Runoff
yr	cfs	ft	sf	sf	cfs
5	7.49	3.60	0.82	0.81	7.40
10	8.42	4.69	0.81	0.81	8.42
**100	11.93	7.60	0.90	0.81	10.75
**100	1.18	1.47	0.20	0.20	1.18
Total 100-year					11.93

CAUTION!!!
EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
811

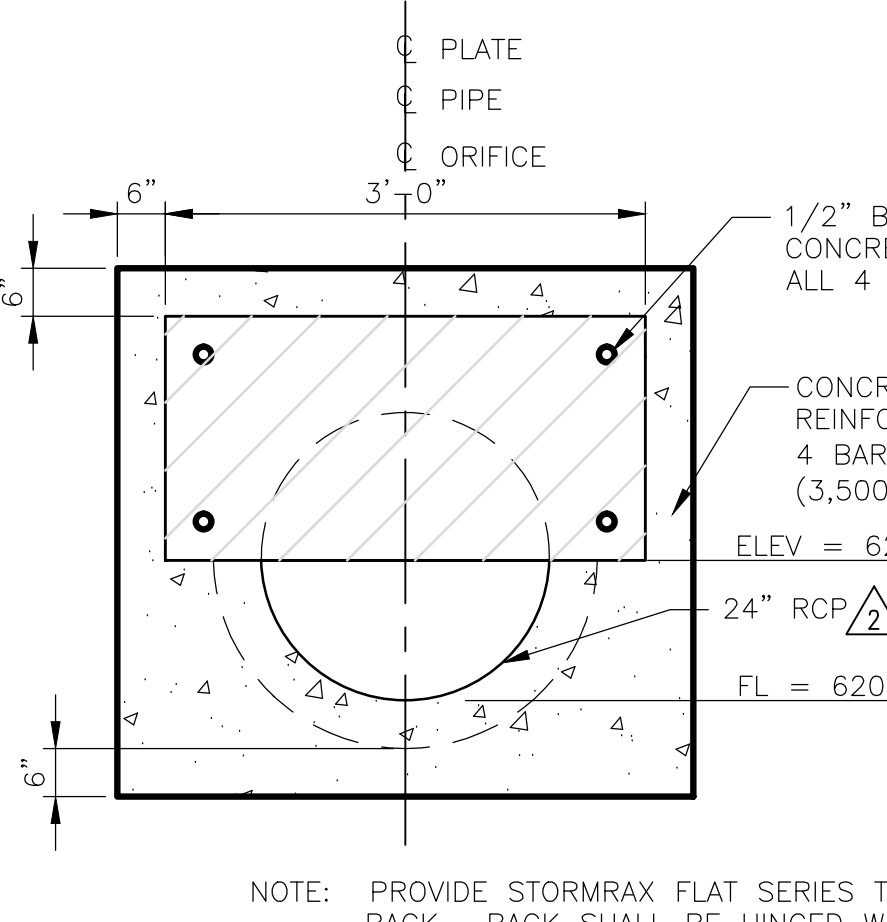
CALL BEFORE YOU DIG!
TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
Texas One Call System
811



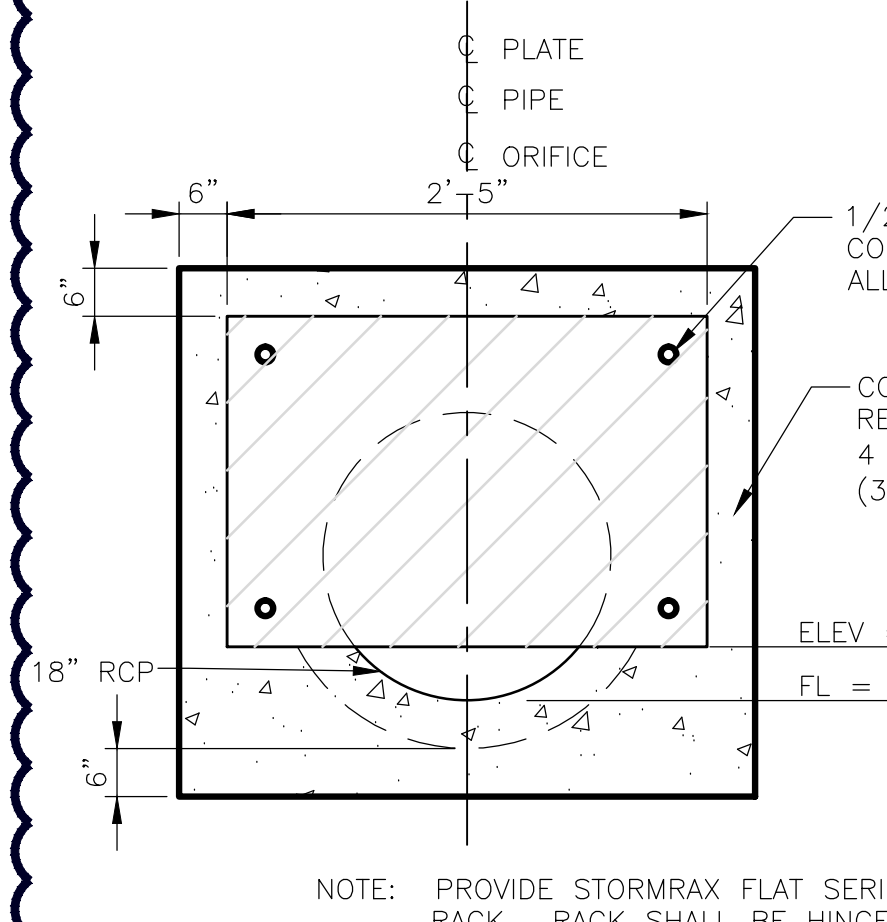
Time min	I ₃₀ in/hr	Q _{in} cfs	V _{in} cf	V _{out} cf	Storage cf
10	5.81	32.4	19427	4494	14933
15	4.94	27.5	24769	7071	17697
20	4.31	24.0	28813	8488	20328
30	3.46	19.3	34896	11314	23382
40	2.92	16.3	39042	14143	24899
50	2.53	14.1	42284	16971	25313
60	2.24	12.5	44825	19800	25125
70	2.02	11.3	47264	22628	24636
80	1.84	10.3	49203	25457	23746
90	1.70	9.5	51142	28285	22857

Time min	I ₃₀ in/hr	Q _{in} cfs	V _{in} cf	V _{out} cf	Storage cf
10	6.54	36.4	21861	5050	16810
15	5.59	31.1	28028	6313	21715
20	4.90	27.3	32757	7575	25182
30	3.97	22.1	39810	10100	29710
40	3.36	18.7	44925	12625	32299
50	2.93	16.3	48969	15151	33819
60	2.60	14.5	52145	17676	34469
70	2.35	13.1	54886	20201	34785
80	2.14	11.9	57225	22726	34499
90	1.98	11.0	59565	25251	34314

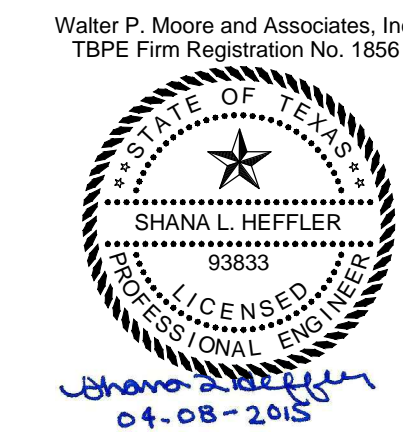
Time min	I ₃₀ in/hr	Q _{in} cfs	V _{in} cf	V _{out} cf	Storage cf
10	9.27	51.6	30986	7158	23828
15	7.99	44.5	40061	8948	31113
20	7.05	39.3	47131	10737	36393
30	5.77	32.1	57860	14317	43544
40	4.90	27.3	65515	17896	47619
50	4.50	25.1	70209	21475	53734
60	3.98	21.5	77415	25054	52361
70	3.75	20.9	87743	28633	59110
80	3.15	17.5	84234	32212	52021
90	2.85	15.9	85738	35791	49946



DETENTION BASIN OUTFALL 1
NOT TO SCALE

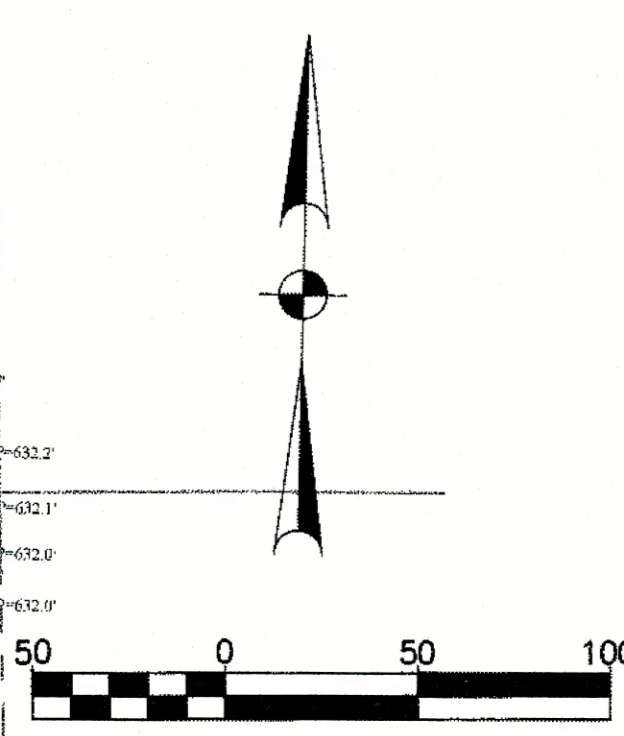
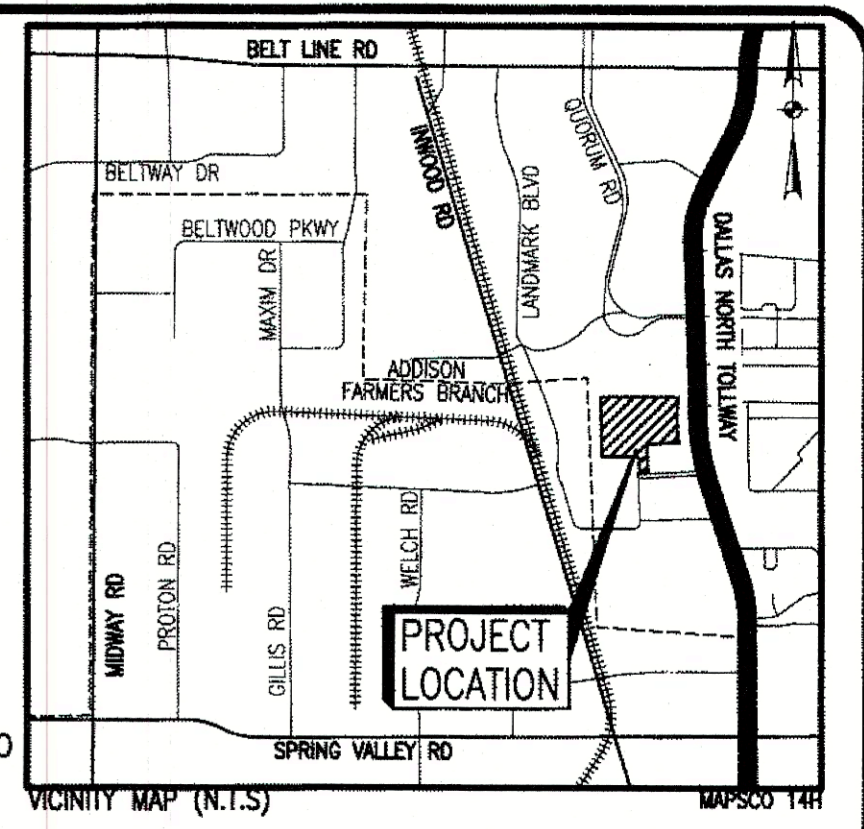
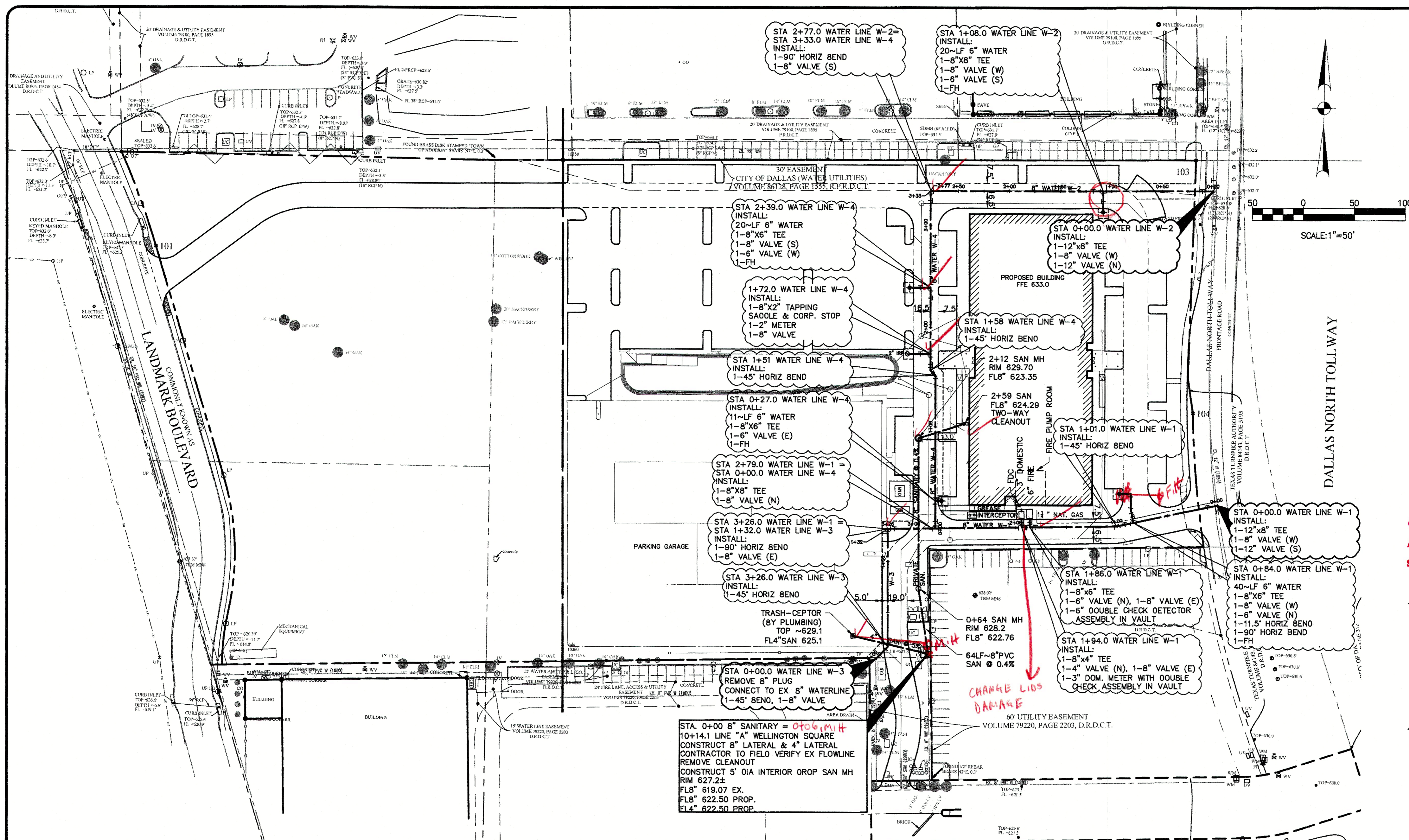


DETENTION BASIN OUTFALL 2
NOT TO SCALE



WALTER P MOORE
WALTER P. MOORE AND ASSOCIATES, INC.
1845 WOODALL RODGERS FREEWAY, SUITE 1650
DALLAS, TEXAS 75201-2290
TBPE FIRM REGISTRATION NO. 1856
PHONE: 214.740.6200 FAX: 214.740.6300

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
JDD	SLH	APRIL 2015	1" = 10'			14-11



BENCHMARKS:
 TEMPORARY SITE BENCHMARK: MAG NAIL WITH A WASHER STAMPED "UPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 87' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD '88 ELEV. 827.37'
 CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS 1.730 SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL. & LANDMARK BLVD THEN 40' WEST OF STREET SIGN, 8' 15" NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD 88 ELEV. 823.19 N 7.030 466.478 E 2.482 171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136508

Changes Shown.

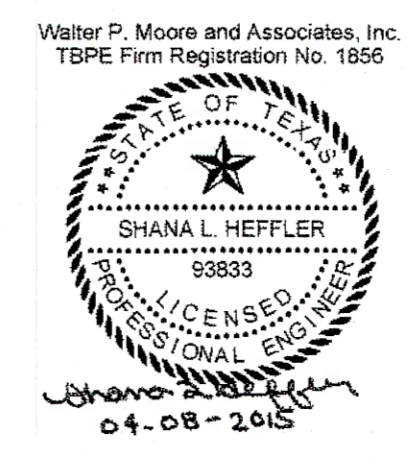
CalHar Construction, Inc.
 ASBUILT PLANS AS OF: 6-3-2016
 SIGNED BY: Edward Smith

CAUTION!!!
 EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 811

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 811

- WATER & WASTEWATER NOTES**
1. WATER AND WASTEWATER CONSTRUCTION SHALL MEET THE TOWN OF ADDISON SYSTEM REQUIREMENTS (AVAILABLE ON THEIR WEBSITE).
 2. ALL WATER MAINS SHALL BE PVC CLASS 200 WATER PIPE WITH FULL BODY FITTINGS AND POLYWRAP.
 3. EXTEND WATER DEADHEADS 2 FEET BEYOND PROPOSED CURB OR AS SHOWN.
 4. ALL 4-INCH THROUGH 15-INCH WASTEWATER MAINS WHERE PVC IS USED SHALL BE ASTM 3034 (SDR-26, MINIMUM 150 PSI RATED, UNLESS OTHERWISE NOTED).
 5. SET FIRE HYDRANTS ON CONCRETE PAOS PER ADDISON STANOARO DRAWINGS.
 6. EMBECCMENT FOR WATER MAIN SHALL BE PER ADDISON'S STANOARO DRAWINGS.
 7. DEPTH OF WATER MAINS SHALL BE PER ADDISON'S WATER SYSTEM REQUIREMENTS.
 8. STREET CUTS WILL MEET THE TOWN OF ADDISON'S REQUIREMENTS AND STANOARO CONSTRUCTION DETAILS ANY WORK WITHIN THE RIGHT-OF-WAY WILL REQUIRE A PERMIT FROM INFRASTRUCTURE OPERATIONS AND SERVICE DEPARTMENT.

APPROVED FOR CONSTRUCTION
 Town of Addison
 Infrastructure Operations And Services Department
 APPROVED BY: [Signature]
 DATE: 4/9/15



WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201 2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

DATE	DESCRIPTION	REF. NO.				
UTILITY PLAN						
C8.00						
CAWLEY TOLLWAY OFFICE BUILDING						
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT						
14675 DALLAS PARKWAY, ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015	1" = 50'			14-11

owners
CAWLEY PARTNERS
16400 North Dallas Parkway, Suite 150
Dallas, TX 75248
772.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUSS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D888, Dallas, TX 75201
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expy, Suite 501
Dallas, TX 75205
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

original issue

ADDENDUM #1 01.27.2015

revisions

WCP#1 04.08.2015

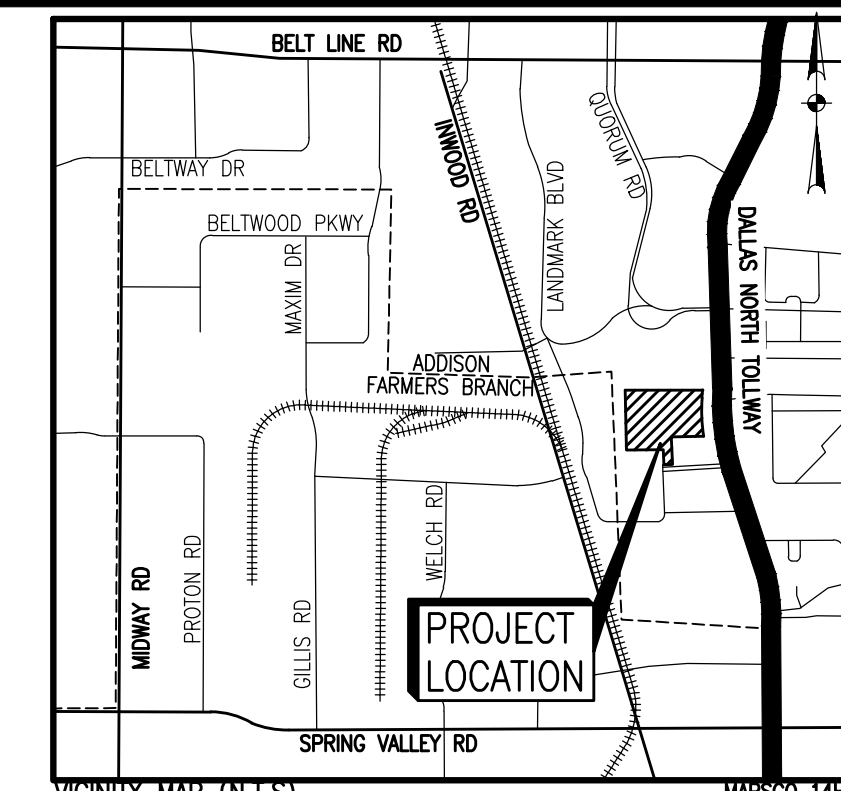
title
UTILITY PROFILES

project number 14067.100

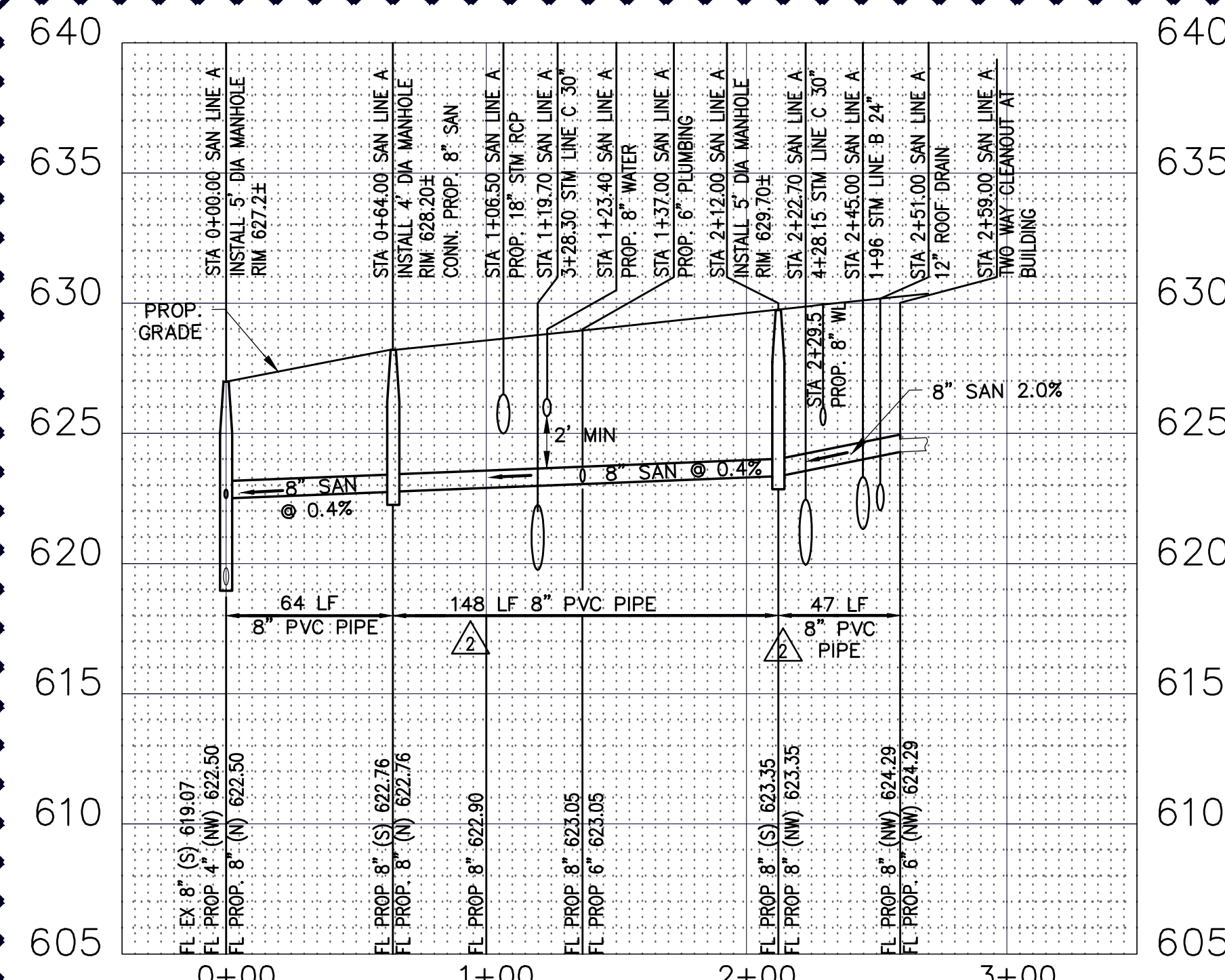
date 01.27.2015

sheet

C8.01

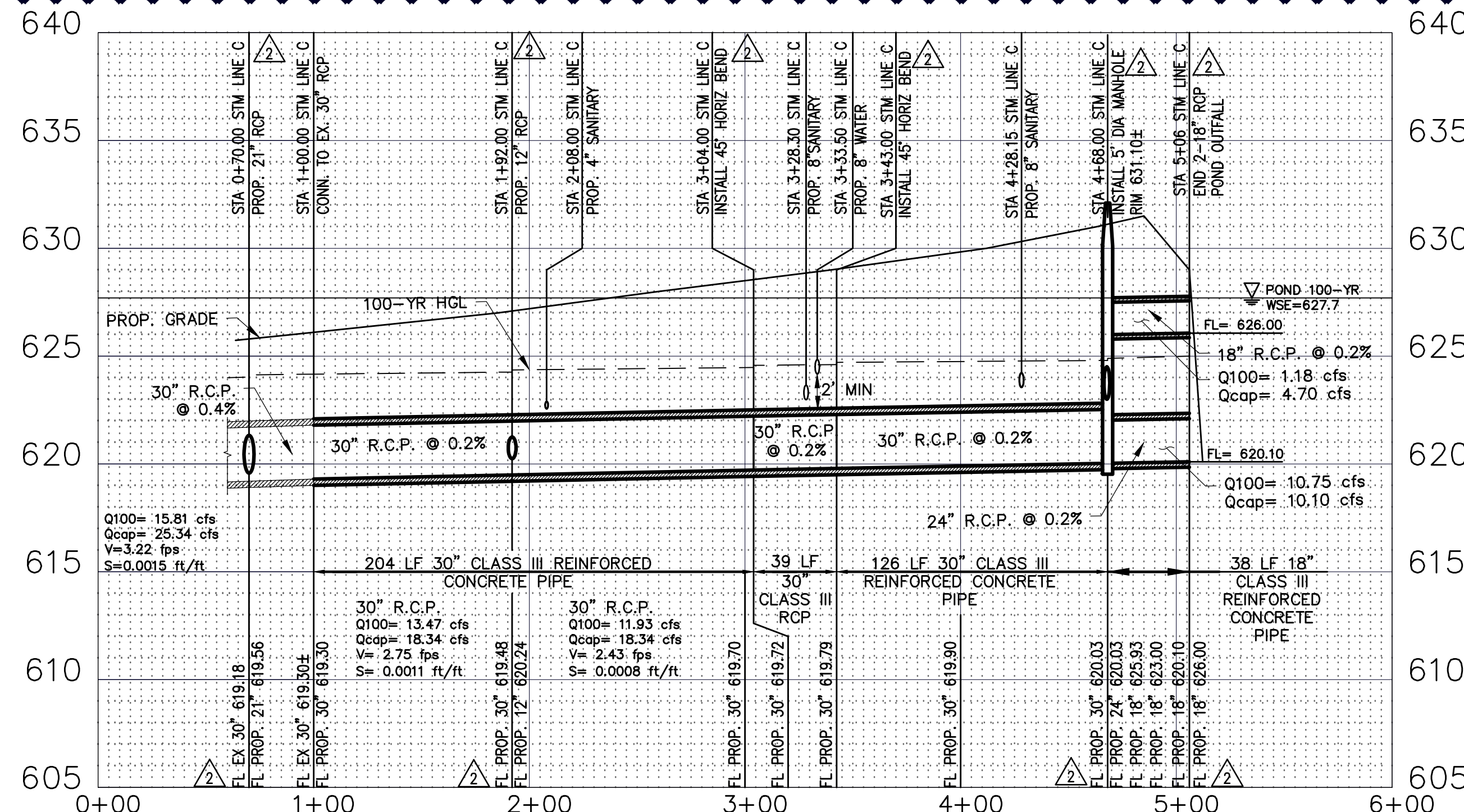


BENCHMARKS:
TEMPORARY/SITE BENCHMARK - MAG NAIL WITH A WASHER STAMPED "JPH LAND SURVEYING" SET ON THE SOUTHWEST CURB LINE OF LANDMARK BLVD APPROX 875' SOUTHEASTERLY OF THE INTERSECTION OF LANDMARK BLVD AND LANDMARK PL. NAVD 88 ELEV. 627.37'
CONTROL POINT NO. COA-14 - 2" BRASS DISK STAMPED "TXDOT COA-14 GPS 1.700' SOUTH EAST FROM THE INTERSECTION OF LANDMARK PL & LANDMARK BLVD THEN 40.6' WEST OF STREET SIGN, & 15' NORTH OF CHAINLINK FENCE & 70.5' EAST OF STREET SIGN NAVD 88 ELEV. 623.19' N 7.030 466.478 E 2.482 171.600 (STATE PLANE) DALLAS COUNTY SCALE FACTOR 1.000136506



8" SANITARY LINE A PROFILE VIEW
SCALE: 1"=50'-0" HORIZONTAL
1"=5'-0" VERTICAL

▲ ALL SANITARY SEWER LINES SHALL BE GREEN PRESSURE-RATED PVC DUE TO LACK OF ROOM REQUIRED FOR SEPARATION FROM OTHER UTILITIES.



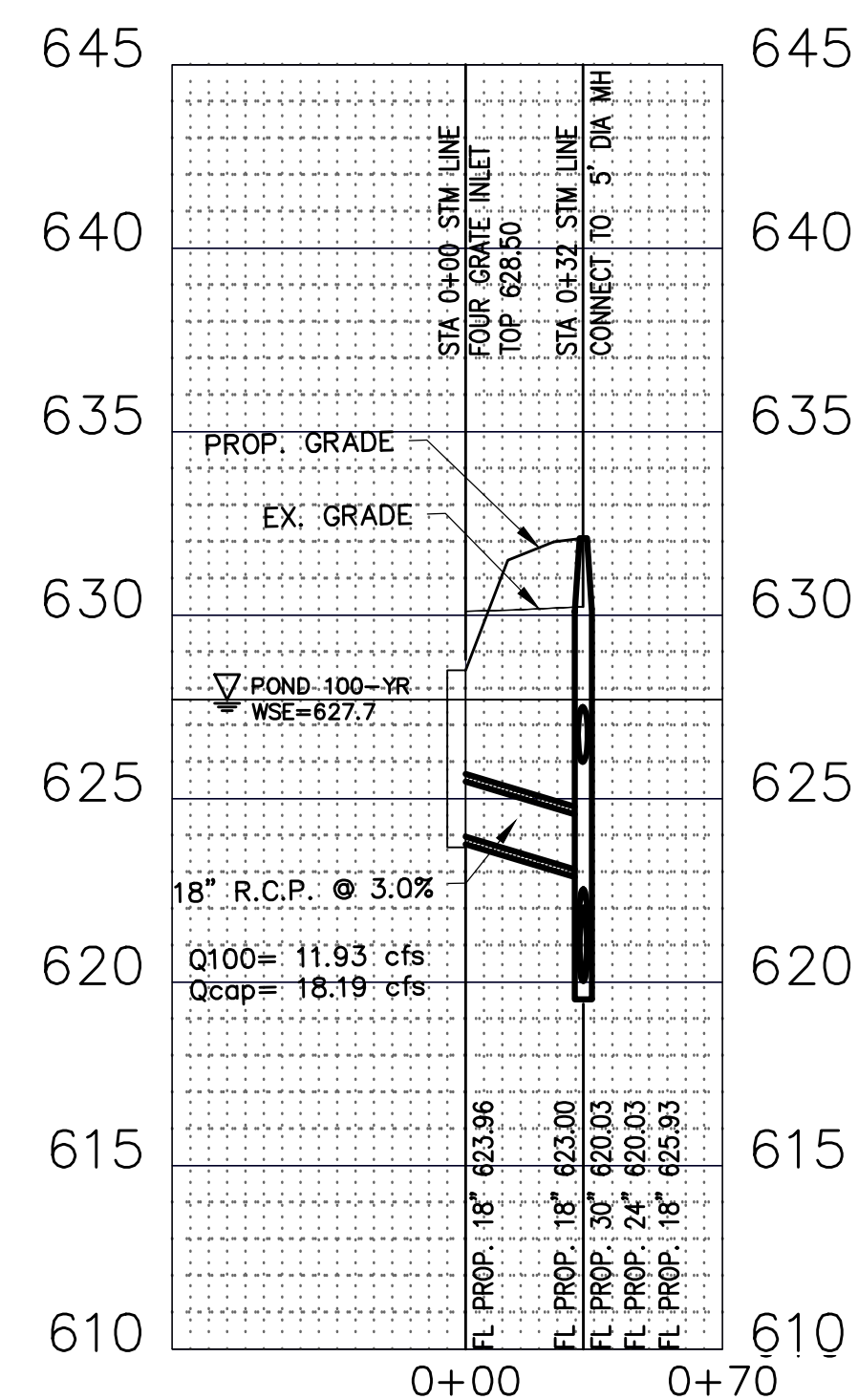
30" STORM LINE C PROFILE VIEW
SCALE: 1"=50'-0" HORIZONTAL
1"=5'-0" VERTICAL

▲ STORM DRAIN SYSTEM CALCULATIONS

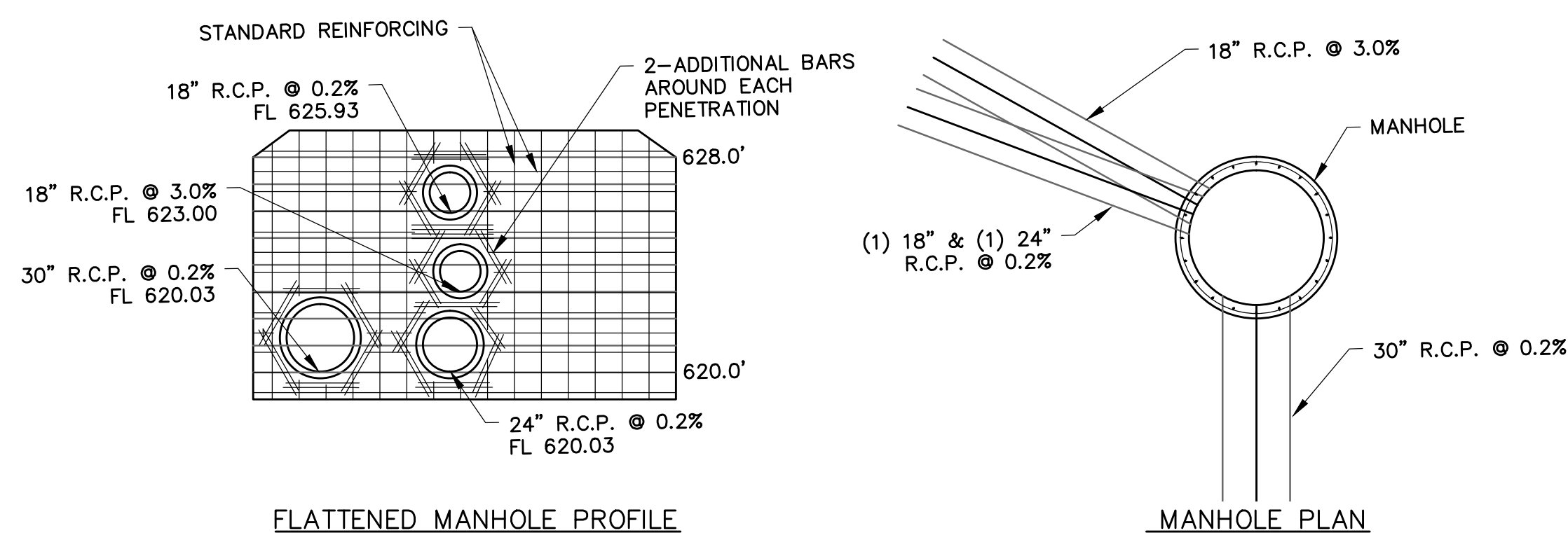
UP STREAM STATION	DOWN STREAM STATION	DISTANCE BETWEEN COLLECTION POINTS (FT)	INCREMENTAL DRAINAGE AREA				ACQUILATED "CA"	TIME AT UPSTREAM STATION (MIN)	FLOW TIME (MIN)	TIME AT DIS STATION (MIN)	STORM FREQUENCY (YEARS)	INTENSITY "I" (INHR)	RUNOFF "Q" (CFS)	STORM SEWER SIZE (IN)	SLOPE OF HYDRAULIC GRADIENT (FT/FT)	HYDRAULIC GRADIENT ELEVATION		INFLOW VELOCITY "V1" (FPS)	OUTFLOW VELOCITY "V2" (FPS)	VELOCITY HEAD "VH1" (FT)	VELOCITY HEAD "VH2" (FT)	HEAD LOSS COEFF. "K"	FRICTION HEAD LOSS IN PIPE "Hf" (FT)	HEAD LOSS "H" (FT)	ELEV. HGL @ DESIGN PT (FT)		
			AREA NO.	DRAINAGE AREA "A" (ACRES)	Total Area (ACRES)	RUNOFF COEFF. "C"										INCREMENTAL "CA"	UP STREAM									DOWN STREAM	
5107	4+68	39.00	POND	6.50	6.50	0.25	1.63	10.00	0.17	10.17	100	9.27	11.93	24	0.00028	625.00	624.90	0.00	3.80	0.00	0.22	1.28	0.00	0.11	0.28	625.28	
4+68	3+43	125.00	BEND	6.50	0.25	0.00	1.63	10.00	0.86	11.03	100	9.27	11.93	30	0.00008	624.80	624.69	3.80	2.43	0.22	0.09	0.64	75-BEND	0.11	0.10	624.90	
3+43	3+04	39.00	BEND	6.50	0.25	0.00	1.63	10.00	0.27	11.30	100	9.27	11.93	30	0.00008	624.59	624.56	2.43	2.43	0.09	0.09	0.50	45-BEND	0.03	0.10	624.69	
3+04	1+92	112.00	BND	6.50	0.25	0.00	1.63	10.00	0.77	11.80	100	9.27	11.93	30	0.00008	624.46	624.36	2.43	2.43	0.09	0.09	0.50	45-BEND	0.09	0.10	624.56	
1+92	0+70	122.00	L+P	0.43	6.93	0.25	0.11	1.73	11.80	0.74	12.54	100	9.27	13.47	30	0.0011	624.26	624.13	2.43	2.74	0.09	0.12	0.75	0.07	0.13	0.10	624.36
0+70	0+50	20.00	M	0.28	7.21	0.90	0.25	1.98	12.54	0.10	12.64	100	9.27	15.81	30	0.0015	624.03	624.00	2.74	3.22	0.12	0.16	0.75	0.09	0.03	0.10	624.13
																										624.00	

CAUTION!!!
EXISTING PHONE, GAS, ELECTRICAL, FIBER OPTIC & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
811

CALL BEFORE YOU DIG!
TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
Texas One Call System
811



18" OVERFLOW OUTFALL PROFILE VIEW
SCALE: 1"=50'-0" HORIZONTAL
1"=5'-0" VERTICAL



▲ STA. 4+68 LINE C MANHOLE DETAIL
SCALE: 1"=5'-0"



WALTER P MOORE
WALTER P. MOORE AND ASSOCIATES, INC.
1845 WOODALL RODGERS FREEWAY, SUITE 1650
DALLAS, TEXAS 75201-2290
TBPE FIRM REGISTRATION NO. 1856
PHONE: 214.740.6200 FAX: 214.740.6300

DATE	DESCRIPTION	REF. NO.
04-08-15	WCP#1	

UTILITY PROFILES
C8.01
CAWLEY TOLLWAY OFFICE BUILDING
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT
14675 DALLAS PARKWAY, ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	PCC	APRIL 2015	1" = 50' H 1" = 5' V			14-11

owners
CAWLEY PARTNERS
16400 North Dallas Parkway, Suite 150
Dallas, TX 75248
972.759.7700

mep engineer
PURDY MCGUIRE
17300 Dallas Parkway, Suite 3000
Dallas, TX 75248
972.239.5357

structural engineer
L.A. FUSS PARTNERS, INC.
3333 Lee Parkway, Suite 300
Dallas, TX 75219
214.871.7010

civil engineer
WALTER P MOORE
1845 Woodall Rodgers Fwy, Suite
D0808, TX 75201
214.740.6200

landscape architect
BELLE FIRMA
4245 North Central Expy, Suite 501
Dallas, TX 75205
214.865.7192

project
CAWLEY TOLLWAY CENTER
14675 Dallas Parkway
Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

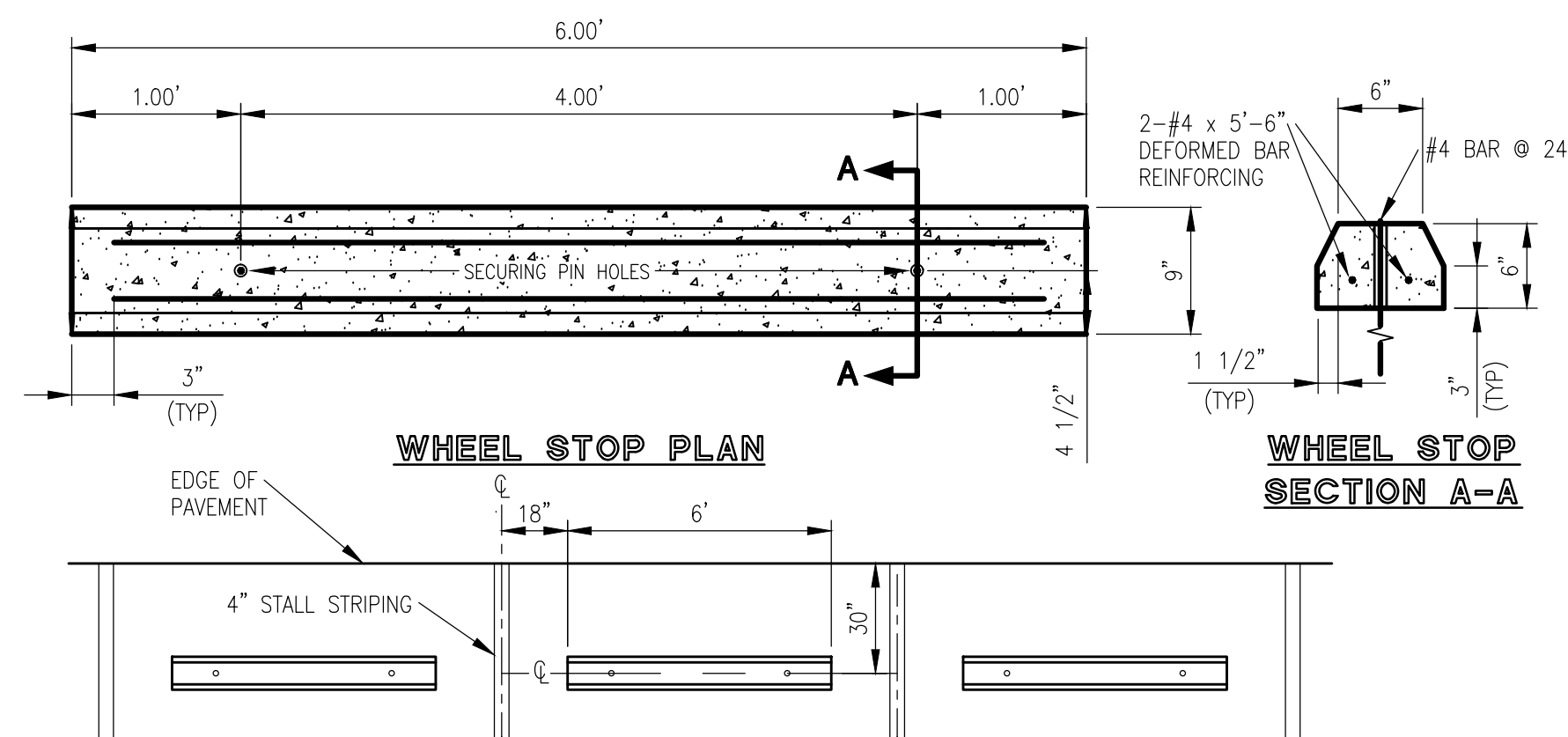
DATE	DESCRIPTION	REF. NO.
04-08-15	WCPR #1	
01-27-15	ADDENDUM #1	
	WCPR #1	

BUILDING PERMIT 12.18.2014

title
PRIVATE CIVIL DETAILS

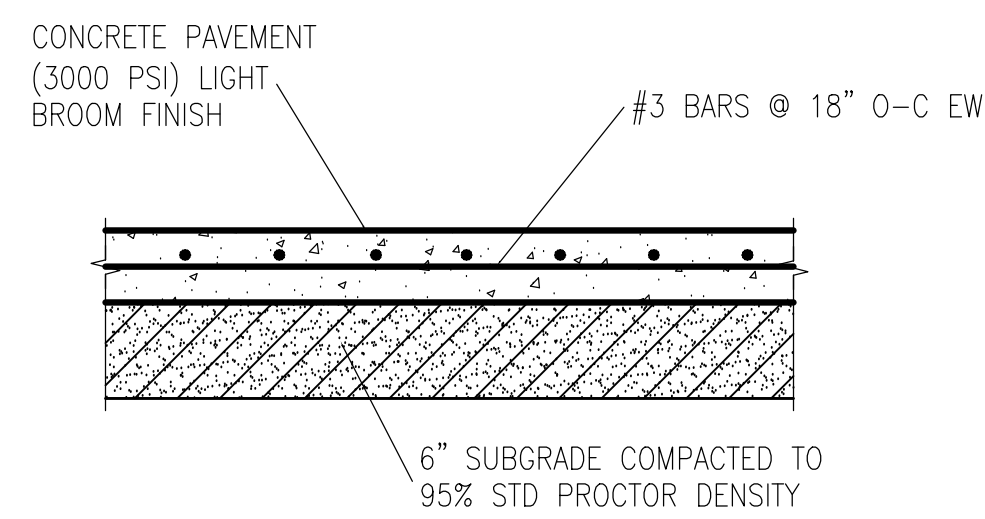
project number 14067.100
date 12.18.2014
sheet

C9.00

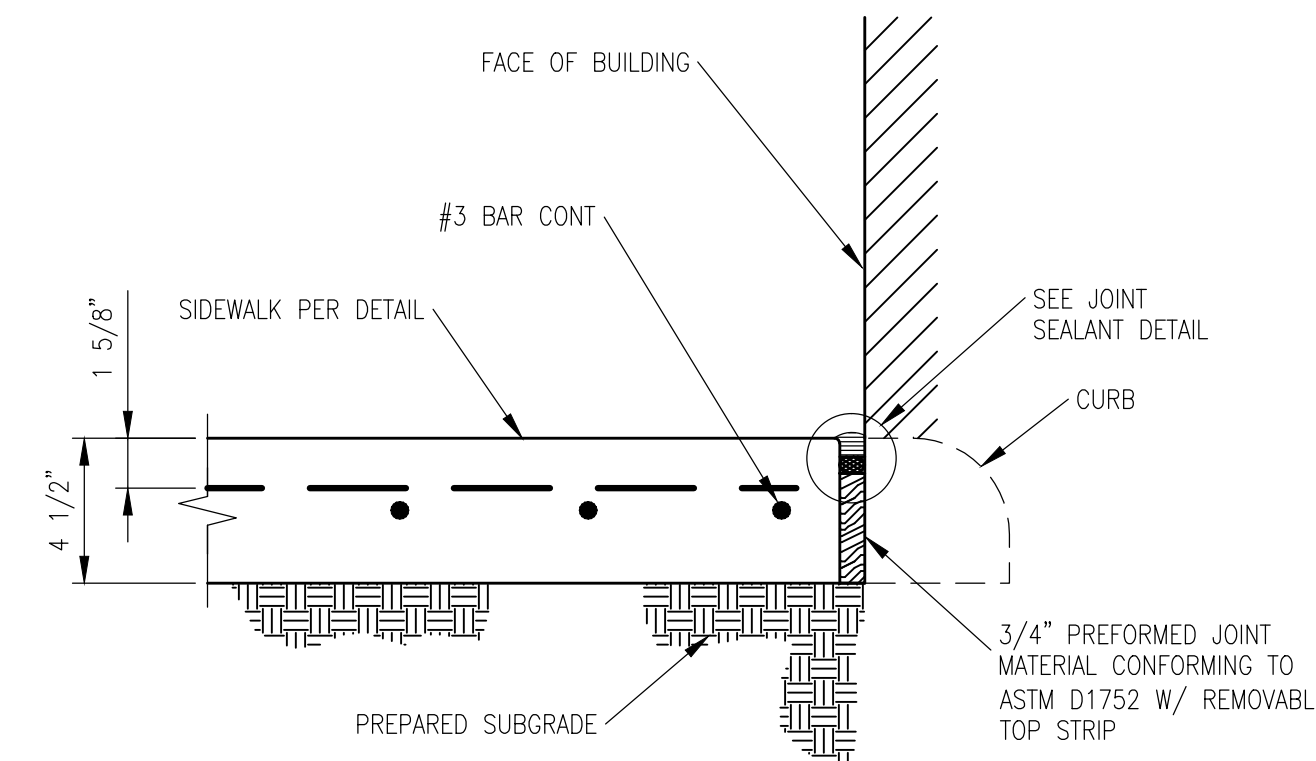


NOTE: SECURE EACH WHEEL STOP TO PAVEMENT WITH TWO #4 DEFORMED BARS 24" IN LENGTH.

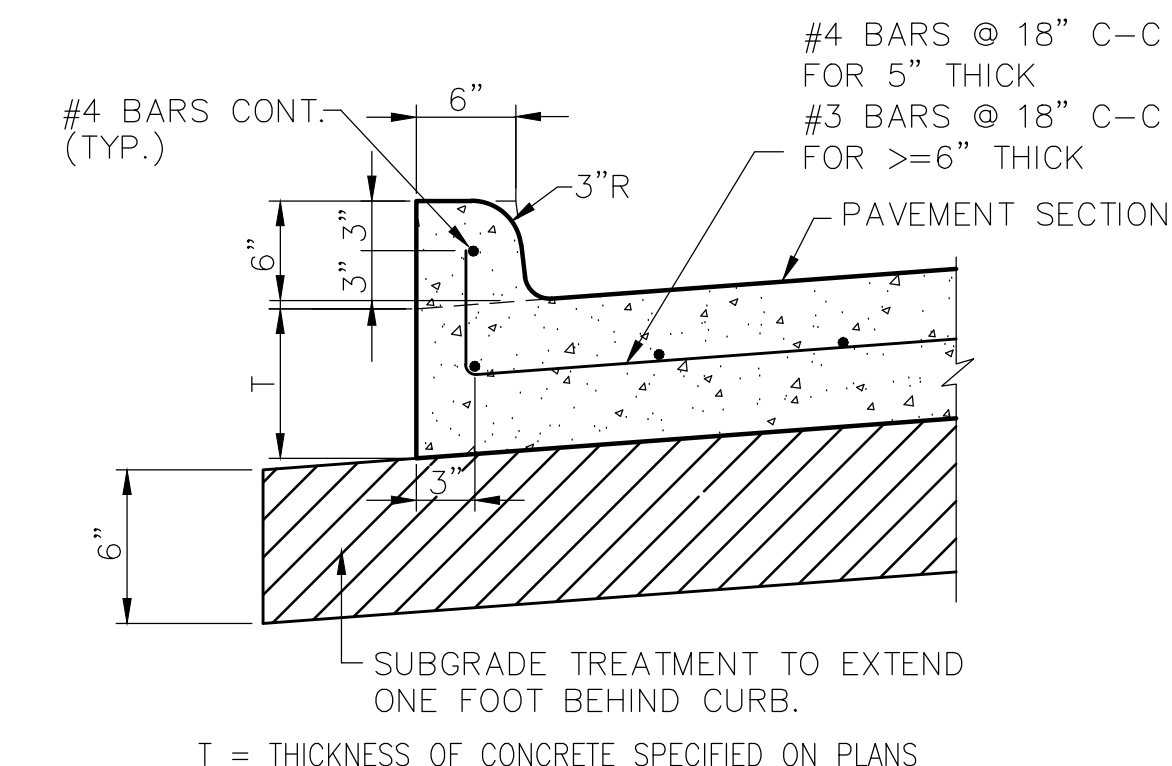
**WHEEL STOP PLACEMENT
CONCRETE WHEEL STOPS**
NOT TO SCALE



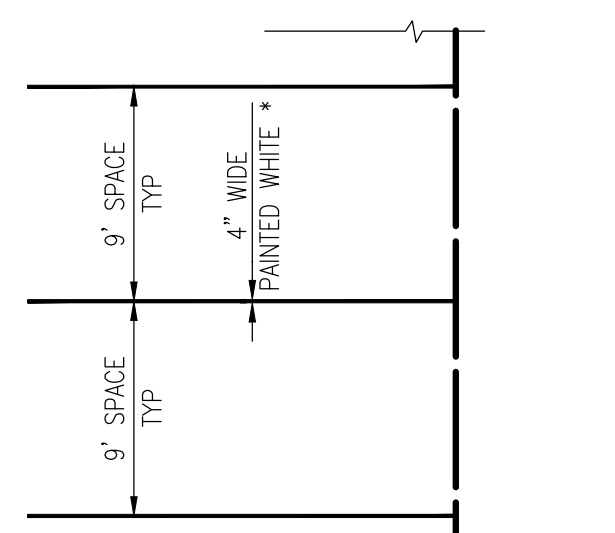
**4 1/2" CONCRETE SITE
PAVING/SIDEWALK**
NOT TO SCALE



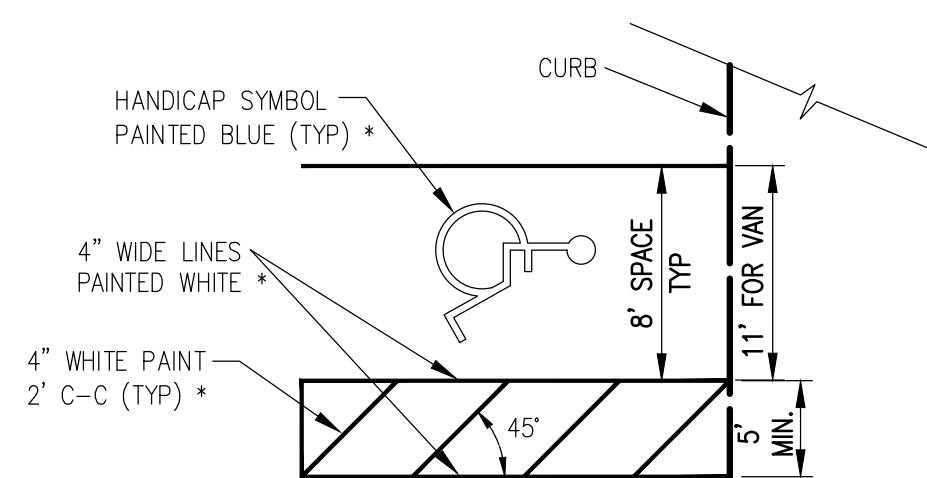
SIDEWALK DETAIL AT BUILDING OR CURB
NOT TO SCALE



INTEGRAL CURB DETAIL
NOT TO SCALE

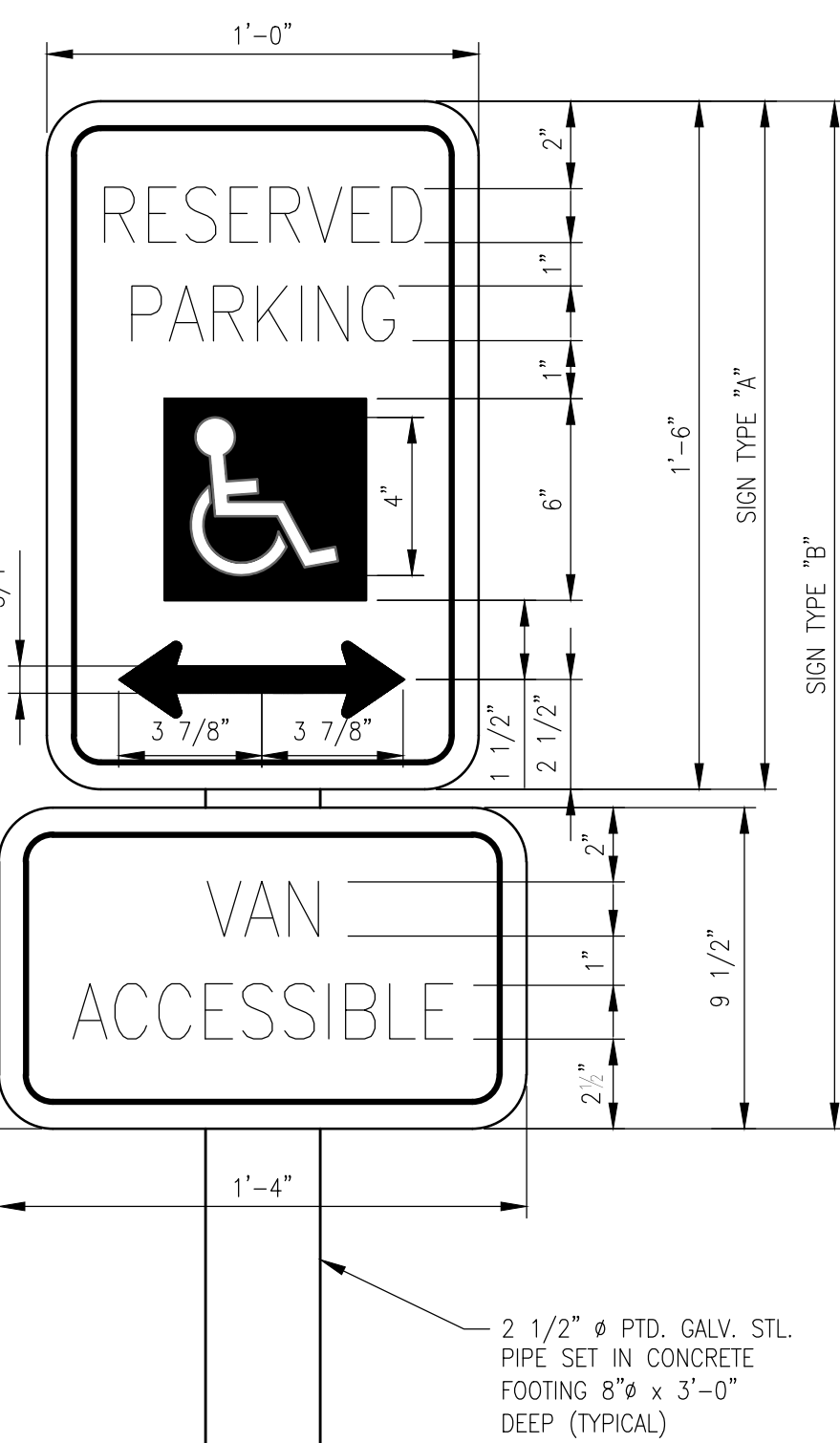


TYPICAL PARKING SPACE LAYOUT

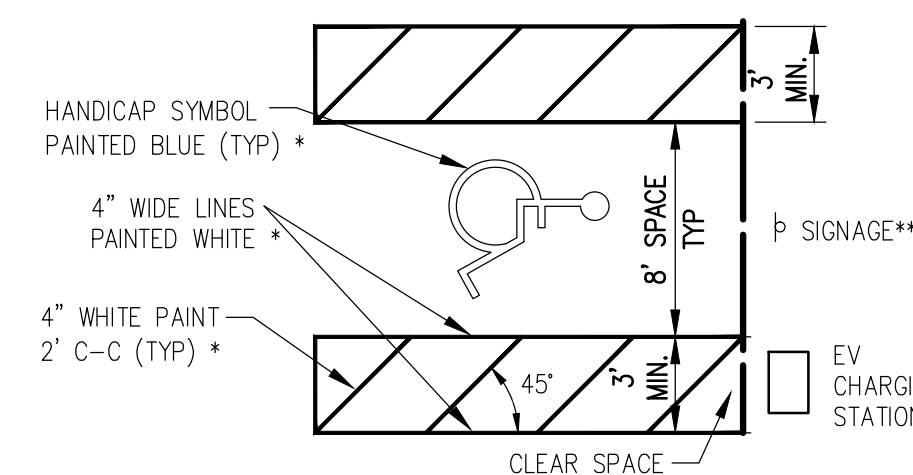


HANDICAP PAVEMENT MARKINGS
* NOTE: VERIFY PAINT COLOR WITH OWNER.

TYPICAL PAVEMENT MARKINGS
NOT TO SCALE



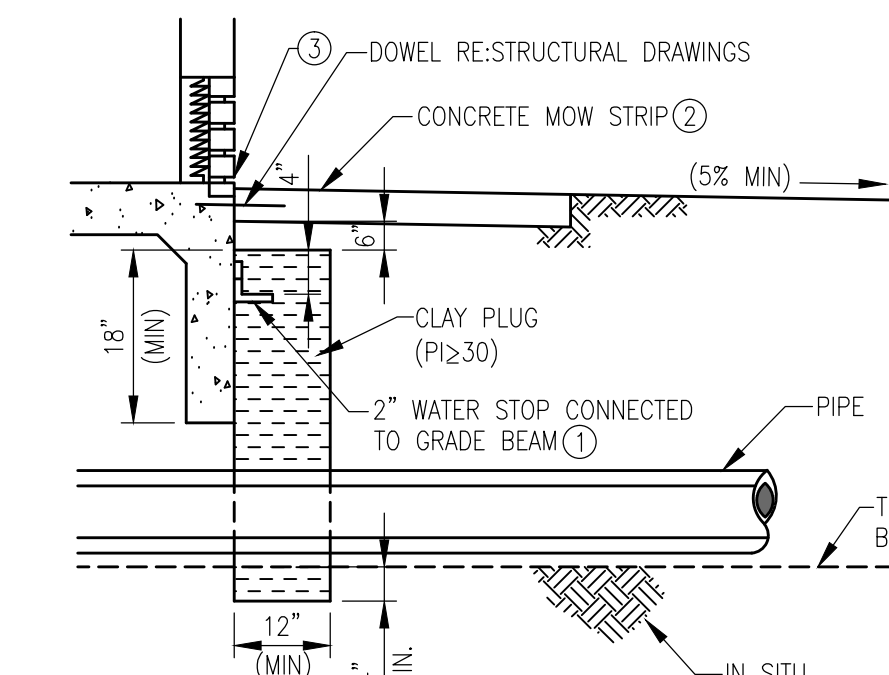
TYPICAL HANDICAP PARKING SIGN
NOT TO SCALE



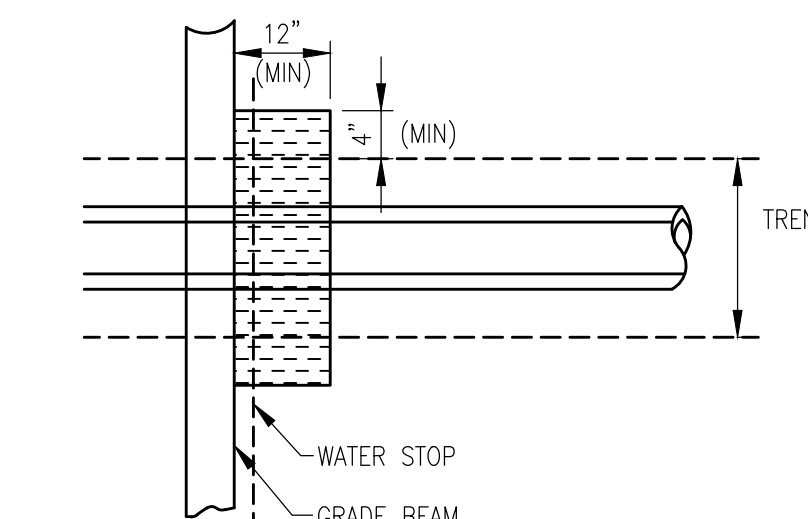
HANDICAP PAVEMENT MARKINGS

* NOTE: VERIFY PAINT COLOR WITH OWNER.
**REFER T&S TM 2012-01 FOR EV CHARGING STATIONS. ACCESSIBLE SYMBOL IS RECOMMENDED BUT NOT REQUIRED.

EV CHARGING PAVEMENT MARKINGS
NOT TO SCALE



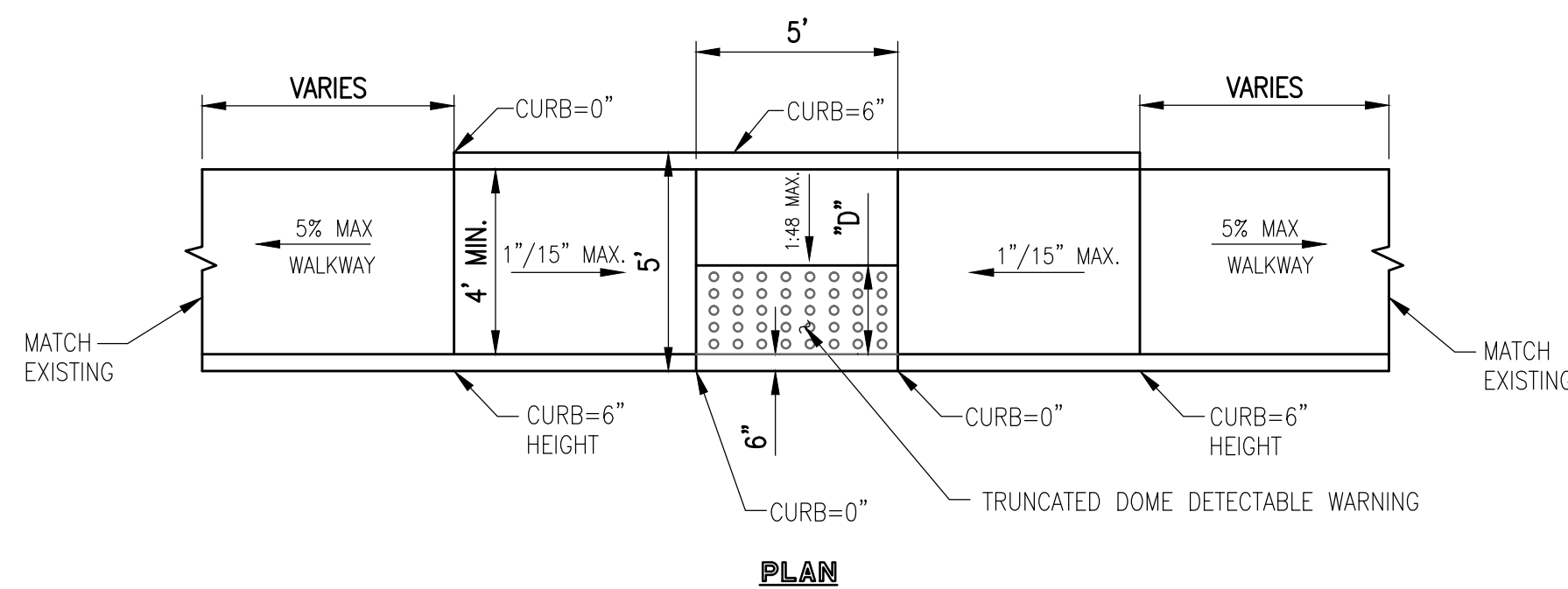
CLAY PLUG SECTION



CLAY PLUG PLAN

NOTES:
1. WATER STOP MAY BE PLASTIC OR METAL ADHERED TO THE GRADE BEAM AND EXTENDED A MINIMUM OF 2 INCHES HORIZONTALLY IN TO THE CLAY PLUG.
2. MOW STRIP, WHERE PROVIDED, SHALL BE DOWELLED INTO GRADE BEAM AND SHALL SLOPE AT 5% AWAY FROM THE BUILDING.
3. REFER TO ARCHITECTURE DRAWINGS FOR ELEVATION OF WEEP HOLES, HOLD GRADE BELOW WEEP HOLES.

CLAY PLUG
NOT TO SCALE



PARALLEL CURB RAMP
NOT TO SCALE

Walter P. Moore and Associates, Inc.
TBPE Firm Registration No. 1856



WALTER P MOORE
WALTER P. MOORE AND ASSOCIATES, INC.
1845 WOODALL RODGERS FREEWAY, SUITE 1650
DALLAS, TEXAS 75201-2290
TBPE FIRM REGISTRATION NO. 1856
PHONE: 214.740.6200 FAX: 214.740.6300

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SLH	SLH	APRIL 2015				14-11

owners
CRAWLEY PARTNERS
 16400 North Dallas Parkway, Suite 150
 Dallas, TX 75248
 972.759.7700

mep engineer
PURDY MCGUIRE
 17300 Dallas Parkway, Suite 3000
 Dallas, TX 75248
 972.239.5357

structural engineer
L.A. FUESS PARTNERS, INC.
 3333 Lee Parkway, Suite 300
 Dallas, TX 75219
 214.871.7010

civil engineer
WALTER P MOORE
 1845 Woodall Rodgers Fwy, Suite
 0808, TX 75201
 214.740.6200

landscape architect
BELLE FIRMA
 4245 North Central Expy, Suite 501
 Dallas, TX 75205
 214.865.7192

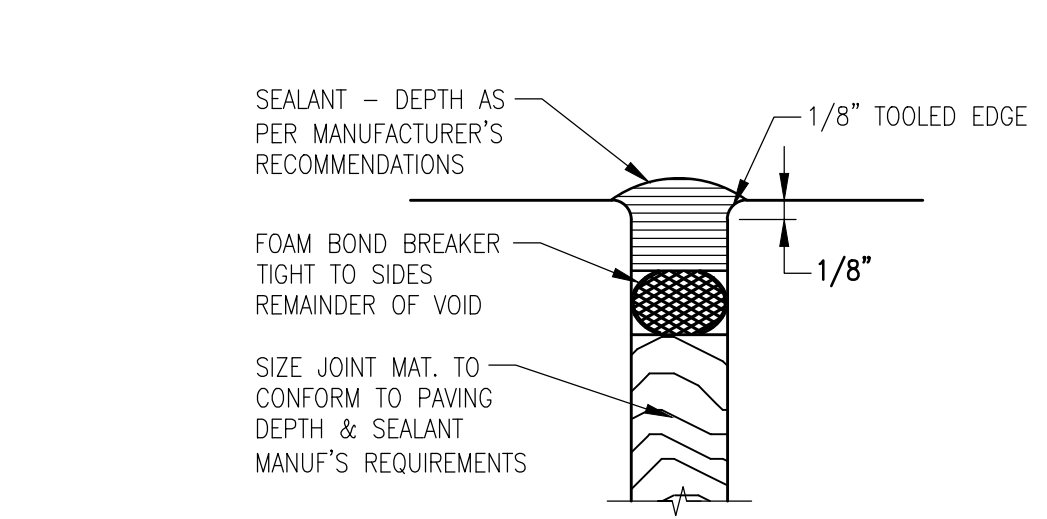
project
CRAWLEY TOLLWAY CENTER
 14675 Dallas Parkway
 Addison, TX 75254

The drawings and written material herein constitute original work of the architect, and as intellectual property and instruments of service, are subject to copyright and may not be reproduced, distributed, published or used in any way without the express written consent of the architect.

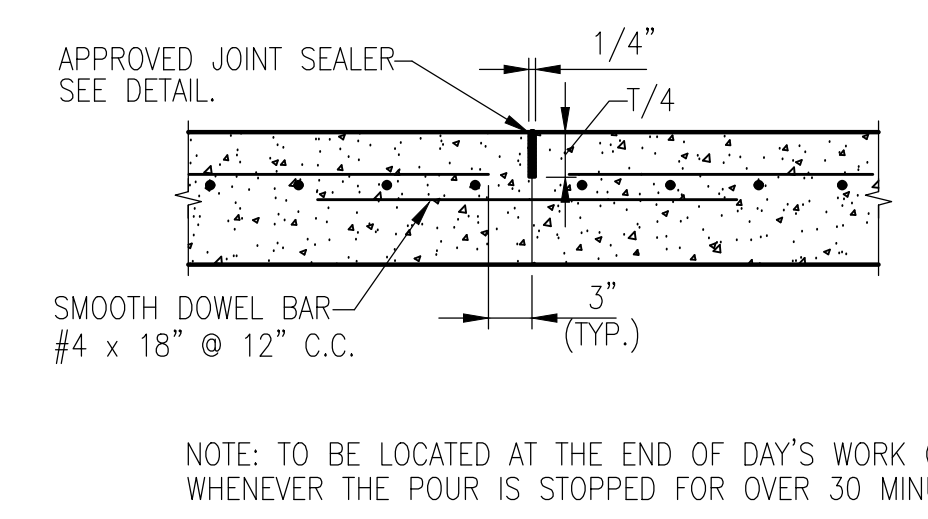
BUILDING PERMIT	12.18.2014
revisions	
ADDENDUM #1	01.27.2015
WCPR #1	04.08.2015

04-08-15		WCPR #1	
01-27-15		ADDENDUM #1	
DATE	DESCRIPTION		REF. NO.
PRIVATE CIVIL DETAILS			
C9.01			
CRAWLEY TOLLWAY OFFICE BUILDING			
PART OF TRACT 31, JOSIAH PANCOAST ABSTRACT			
14675 DALLAS PARKWAY, ADDISON, TEXAS			
DESIGN	DRAWN	DATE	SCALE
SLH	SLH	APRIL 2015	
NOTES	FILE	NO.	
		14-11	

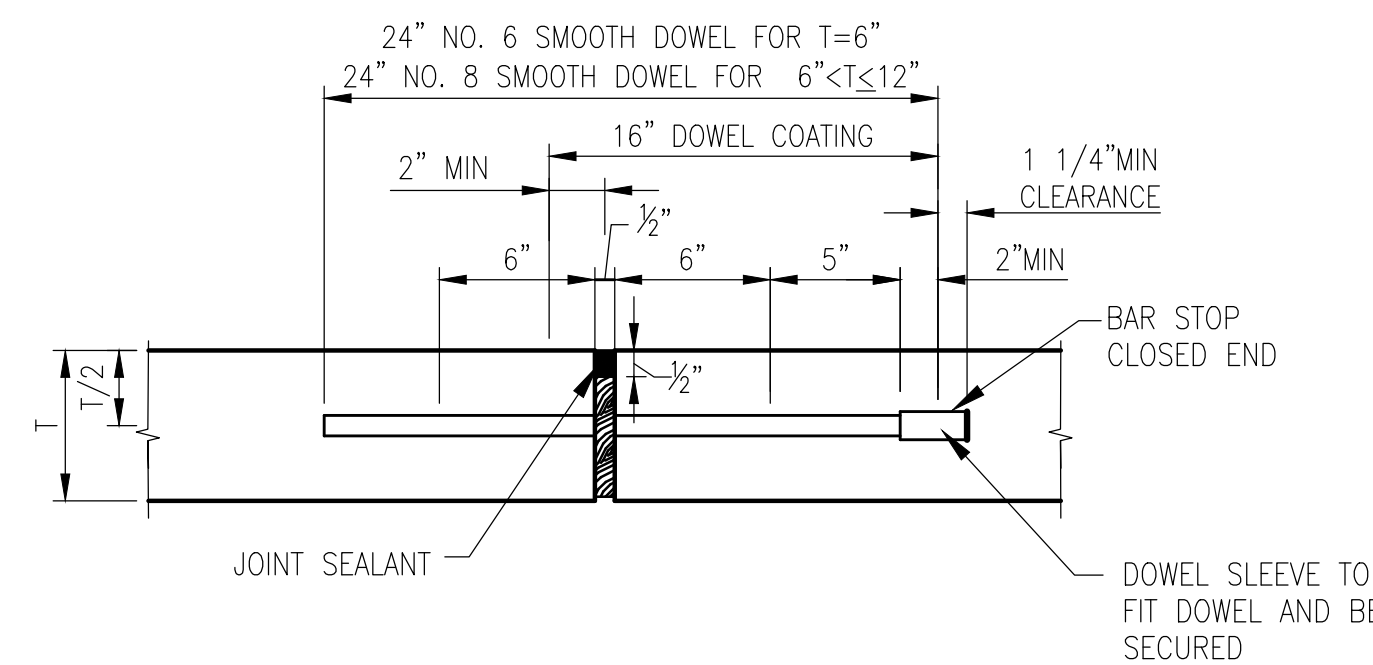
Walter P. Moore and Associates, Inc.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201-2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300



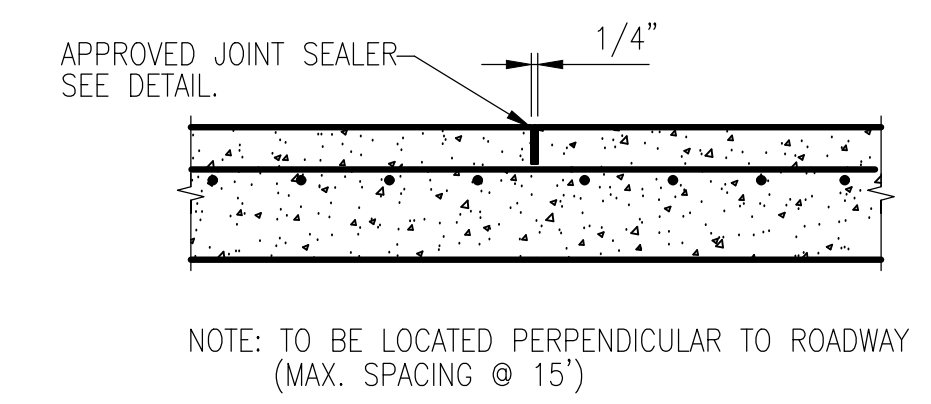
PRIVATE PAVING SEALANT JOINT
 NOT TO SCALE



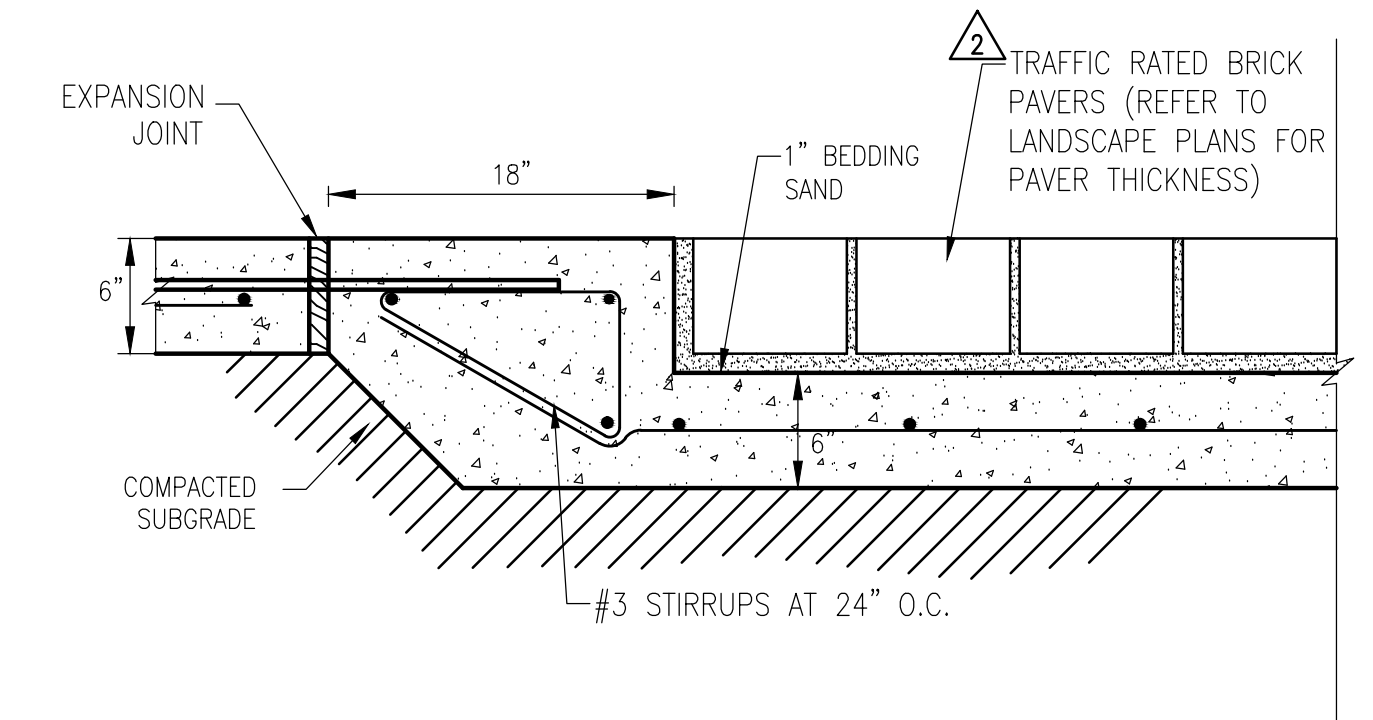
CONCRETE CONSTRUCTION JOINT
 NOT TO SCALE



CONCRETE EXPANSION JOINT
 NOT TO SCALE



PAVEMENT CONTROL JOINT
 NOT TO SCALE



PAVEMENT AT CONCRETE PAVERS
 NOT TO SCALE

MODEL #	JUNCTION BOX #	W1	W2	H1	H2	T1	KO	GRATE SIZE	WEIGHT LBS
CB12	JB12	15"	21"	18"	2"	10"	12"x12"x1"	180	
CB14	JB14	20"	14"	28"	24"	4"	14"x14"x1 1/2"	600	
CB18	JB18	24"	16"	34"	30"	4"	18"x18"x1 1/2"	1,000	
CB20	JB20	28"	18"	34"	30"	4"	20"x20"x1 1/2"	1,335	
CB24	JB24	32"	22"	41"	36"	5"	24"x24"x2"	2,245	
CB27	JB27	35"	25"	42"	36"	6"	27"x27"x2"	2,875	
CB30	JB30	42"	30"	42"	36"	6"	30"x30"x2"	3,875	
CB36	JB36	48"	36"	42"	36"	6"	36"x36"x2"	4,985	

1. GRATE CATCHBASIN IS INTENDED FOR PEDESTRIAN LOADING. ALL OTHERS ARE TRAFFIC DUTY.
 2. ALL JUNCTION BOXES ARE STANDARD PEDESTRIAN DUTY OR OPTIONAL TRAFFIC DUTY.

SPECIFICATIONS
 CONCRETE: Class 1 concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first slope of wall with sectional riser to required depth.
 REINFORCEMENT: Grade 60 reinforced. Steel rebar conforming to ASTM A615 on required centers or equal.
 C.I. CASTINGS: Cast iron frames and grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 35.

PARK ENVIRONMENTAL 888-611-PARK
 "Expect the Best!"
 CATCH-BASIN MODEL CB - 12" THRU 36"
 JUNCTION BOX MODEL JB - 12" THRU 36"
 SCALE: NONE
 DATE: 4-2012
 DWS NO.: CBJB36
 REV: A

AREA DRAIN
 NOT TO SCALE

NYLOPLAST 15" DRAIN BASIN: 2815AG _ _ X

(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.
 (3) VARIABLE INVERT HEIGHTS AVAILABLE (ACCORDING TO PLAN/STAKE OFF)
 (4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:
 4" 15" FOR CORRUGATED HOPE (ABS N-10) HANGCOR RIVAL WALL, HANGCOR SINGLE WALL N-12 HP, PVC SEWER (EX. SDR 35), PVC DWV (EX. SCH 40), PVC CR90/C90S, CORRUGATED & RIBBED PVC
 (5) ADAPTER ANGLES VARIABLE 0° - 300° ACCORDING TO PLANS
 (6) VARIABLE SUMP DEPTH ACCORDING TO PLANS (8" MIN. BASED ON MANUFACTURING REQ.)
 (7) BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS 3 MATERIAL AS DEFINED IN ASTM D2221. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2221.

1. GRATES/SLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 10-50-05, WITH THE EXCEPTION OF THE BRIDGE GRATE.
 2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 10-50-05. RISERS ARE NECESSARY FOR BASIN COVER BY DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-10-06.
 3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
 4. DRAINAGE CONNECTION FOR JOINT TIGHTNESS SHALL CONFORM TO ASTM D212 FOR CORRUGATED HOPE (ABS N-10/HANGCOR RIVAL WALL) N-12 HP & PVC SEWER.
 5. ADAPTERS CAN BE ADJUSTED ON ANY ANGLE 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-10-02.

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST. ©2011 NYLOPLAST

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS 1200	TS6000	7001-10-007
STANDARD	MEETS 1200	TS6000	7001-10-008
SOLID COVER	MEETS 1200	TS6000	7001-10-009
PEDESTRIAN BRIDGE	N/A	TS6000B	7001-10-010
DRIVE	N/A	TS6000	7001-10-011
DROP IN GRATE	LIGHT DUTY	15010	7001-10-023

3138 VERONA AVE
 RICHARDSON, TX 75081
 PHN (770) 932-2443
 FAX (770) 932-4869
 www.nyloplast-us.com

WALTER P MOORE
 WALTER P. MOORE AND ASSOCIATES, INC.
 1845 WOODALL RODGERS FREEWAY, SUITE 1650
 DALLAS, TEXAS 75201-2290
 TBPE FIRM REGISTRATION NO. 1856
 PHONE: 214.740.6200 FAX: 214.740.6300

LANDSCAPE DRAIN
 NOT TO SCALE