

CONSTRUCTION PLANS FOR: Smithfield Parking Renovation City of Keller, Texas



STAFF:

Mayor Pat McGrail

City Council

Pat McGrail,	Mayor
Debbie Bryan,	Place 1
Armin Mizani,	Place 2
Ed Speakmon,	Place 3
Eric Schmidt,	Place 4
Chris Whatley,	Place 5
Tag Green,	Place 6

Park Development Manager Gary Davis

Keller Development Corporation

Place 1	Pat McGrail, Chairperson
Place 2	Debbie Bryan
Place 3	Armin Mizani
	Ter

Place 4 Tag Green **Citizen Members:**

Place 5 R. Martin Hall Erin Pfarner Place 6 Place 7 Renee Hicks

City Staff Members

Mark Hafner, City Manager, President Kelly Ballard, Corporation Secretary Aaron Rector, Treasurer L.Stanton Lowry, Attorney

Park Board

Place 1	Felix Mira
Place 2	Daniel Paret
Place 3	Bryan Weaver
Place 4	Jay Blakey
Place 5	Judy Sether
Place 6	Ryan Martin
Place 7	Erin Pfarner, Chairperson
Altornato 1	Vacant

Alternate L vacant Alternate 2 Tina Alvarado

PREPARED BY:

DUNKIN Sims STOFFELS INC.

LANDSCAPE ARCHITECTS/PLANNERS 622 WEST STATE STREET GARLAND, TEXA9 15040 PHONE: (214) 553-5118 FAX (214) 553-5781



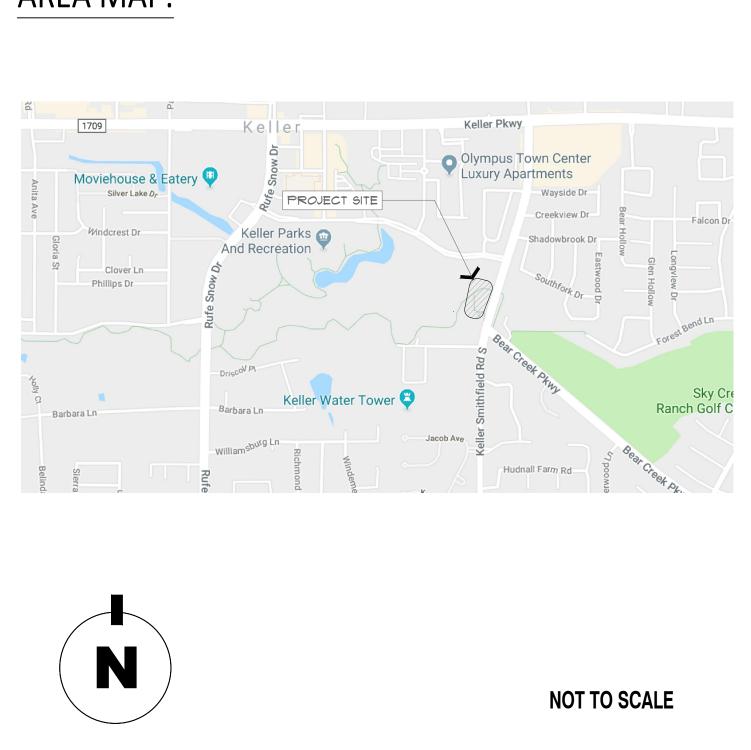
GN-1
DP-1
SL-1
SG-1
SP-1
CD-1
CD-2
CD-3

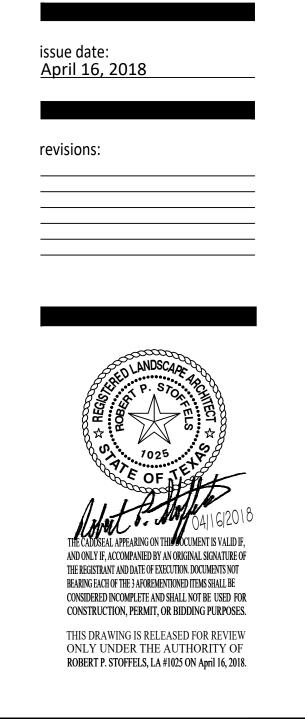
SHEET INDEX:

General Notes Demolition Plan Site Layout Plan Site Grading Plan Site Preparation Plan **Construction Details Construction Details Construction Details**

APPROVALS

AREA MAP:





GENERAL LEGEND/ NOTES:	SITEWORK NOTES:
REF. REFERENCE, REFER TO	1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL GRADES, LINES, AND
TYP. TYPICAL MIN. MINIMUM MAX. MAXIMUM	MEASUREMENTS NECESSARY TO THE PROPER PERFORMANCE AND CONTROL OF THE WORK. 2. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES AND SITE CONDITIONS BY A FIELD
SHEET MATCHLINE	 INSPECTION BEFORE SUBMITTING A BID. 3. ALL LOGS, STONES, STUMPS, BRANCHES, ROOTS, RUBBISH, OR OTHER OBJECTIONABLE MATERIALS DISCOVERED IN THE SOIL DURING THE GRADING PROCESS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE GOVERNING REGULATORY REQUIREMENTS.	4. ALL MATERIALS AND CONSTRUCTION METHODS OF THE CONTRACT SHALL BE AS STATED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTITUTION, NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG).
REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR. 2. ALL CONSTRUCTION COVERED BY THESE CONTRACT DOCUMENTS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALL APPLICABLE CITY AND OSHA CODES AND STANDARDS, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND AMENDMENTS AS ADOPTED BY CITY OF KELLER.	5. ANY DAMAGE TO THE EXISTING STREET PAVING, CURB, OR OTHER EXISTING SITE ELEMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
	6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHOOTING ALL SPOT ELEVATIONS NECESSARY TO CONSTRUCT THE PROJECT.
3. CONTRACTOR TO VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, BUILDINGS, ROADWAYS, CURB AND GUTTERS, UTILITIES AND OTHER INFORMATION AFFECTING	7. THE OWNER'S REPRESENTATIVE SHALL APPROVE THE STAKING OF ALL SITE ELEMENTS BEFORE WORK COMMENCES ON THESE ELEMENTS.
THIS SCOPE OF WORK. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR DIRECTION ON HOW TO PROCEED IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THESE DRAWINGS.	8. IF DIMENSIONS NOTED TO BE FIELD VERIFIED VARY FROM THOSE NOTED ON THE PLAN, CONTACT THE LANDSCAPE ARCHITECT BEFORE PROCEEDING.
4. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION AS DESIGNED IF OBSTRUCTIONS AND/OR DIFFERENCES EXIST ON SITE THAT WERE NOT APPARENT DURING THE COURSE OF DESIGN AND CONSTRUCTION DOCUMENTATION. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.	9.THE LOCATION OF UNDERGROUND FACILITIES INDICATED ON THE PLANS ARE TAKEN FROM PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES. ANY FACILITIES/ UTILITIES DAMAGED BY THE
5. EXCAVATION IN THE VICINITY OF UTILITIES SHALL BE UNDERTAKEN WITH CARE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SITE UTILITIES WITH LOCAL AUTHORITIES AND/OR OWNER'S REPRESENTATIVE PRIOR TO BEGINNING EXCAVATION. ANY DAMAGES TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.	CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. CONTACT DIGTESS - 811. 10. ALL REINFORCING SHALL CONFORM TO SPECIFICATIONS AND BE SUPPORTED ON APPROVED CHAIRS.
 6. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES. 7. CONTRACTOR SHALL COORDINATE MATERIAL STORAGE, PARKING OF VEHICLES AND 	11. THE STAKING OF ALL PORTIONS OF THE WORK SHALL BE OBSERVED IN THE FIELD BY THE LANDSCAPE ARCHITECT, CITY STAFF, AND CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF ADJUSTMENT IS REQUIRED, THE CONTRACTOR SHALL ADJUST THE STAKING IMMEDIATELY DURING STIPULATED SITE VISIT AND MAINTAIN ALIGNMENT STAKING THROUGH
RESTRICTIONS ON WORK WITH OWNER'S REPRESENTATIVE. PARKING OF VEHICLES AND STORAGE OF MATERIALS SHALL NOT BE PERMITTED BENEATH THE CANOPIES OF EXISTING TREES.	CONSTRUCTION. 12. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND PAYING ALL PERMITS AND
8. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO COMPLETE WORK AS SHOWN IN THESE DRAWINGS UNLESS OTHERWISE SPECIFIED.	INSPECTIONS FROM ALL JURISDICTIONAL AGENCIES AND CORPORATIONS. THE CONTRACTOR WILL NOT BE REQUIRED TO PAY FEES FOR PERMITS ISSUED BY THE CITY.
 9. CONTRACTOR(S) IS RESPONSIBLE FOR REMOVAL OF TRASH AND REPAIR OF HAZARDOUS CONDITIONS ON A DAILY BASIS, BY END OF WORK DAY. 10. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL APPROVAL, CONTRACTOR SHALL THOROUGHLY CLEAN PROJECT SITE OF ALL TRASH AND SCRAPS. CONTRACTOR SHALL REPAIR ALL DAMAGE TO FINISH GRADE, INCLUDING TAILINGS FROM EXCAVATIONS, WHEEL RUTS, ETC., CAUSED BY CONSTRUCTION. 11. ANY REFERENCE TO DRAWING REVISIONS, EXPRESSED OR IMPLIED, ARE SHOWN FOR INFORMATION AND CONTRACTOR CONVENIENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR REVIEW AND ADHERENCE TO DRAWINGS ISSUED FOR CONSTRUCTION. 	 13. THE CONTRACTOR SHALL MAKE THE DETERMINATION OF THE AMOUNT OF CUT AND FILL NECESSARY TO COMPLETE THE EARTHWORK AS SHOWN ON THE PLANS AND INCLUDE A FEE FOR COMPLETION OF THE EARTHWORK IN THE BASE BID. SOIL SHALL NOT CONTAIN ROCKS 3" OR LARGER IN ANY DIMENSION. THE TOP 6" OF SOIL SHALL NOT CONTAIN ROCKS LARGER THAN ONE INCH (1") IN THEIR LONGEST DIMENSION. 14. TREES SHALL NOT BE REMOVED WITHOUT THE SPECIFIC CONSENT OF THE CITY. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING TREES REMOVED WITHOUT RECEIVING PROPER APPROVAL. TREES SHALL BE REPLACED ON A CALIPER INCH PER CALIPER INCH BASIS; THE MINIMUM CALIPER REPLACEMENT TREES SHALL BE 3" CALIPER.
	17. UPON COMPLETION OF SITE STRIPPING/ GRUBBING OPERATIONS, AREAS UNDERLYING THE CONCRETE FLATWORK SHOULD BE SCARIFIED A MINIMUM OF SIX (6) ADDITIONAL INCHES AND RECOMPACTED TO 98% STANDARD PROCTOR DENSITY AT OR A MAXIMUM OF FOUR (4) PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE. SUBGRADES FOR THESE ELEMENTS SHALL BE PREPARED IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. AREAS UNDERLYING FILL BUT NOT UNDERLYING PAVEMENT SHALL BE SCARIFIED A MINIMUM OF SIX (6) ADDITIONAL INCHES AND RECOMPACTED TO 90% OF THE MAXIMUM DENSITY AS OUTLINED ABOVE.
	18. ALL GRADES SHALL BE FIELD VERIFIED BY THE CONTRACTOR ON THE SITE AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
	19. ALL SIDEWALKS SHALL BE STAKED ON APPROVED FINISH GRADE, AND SHALL BE POURED TO ENSURE POSITIVE 1%- 2% SHEET DRAINAGE ACROSS WALKS, COMPLYING WITH THE NATURAL DRAINAGE PATTERNS ON-SITE.
	20. LONGITUDINAL SLOPE ON ALL PEDESTRIAN WALKWAYS AND TRAILS SHALL NOT EXCEED 4.9%. CROSS SLOPE ON ALL PEDESTRIAN PAVEMENTS SHALL NOT EXCEED 2%.
	21. ALL GRADING SHALL PROVIDE FOR NATURAL RUNOFF OF WATER WITHOUT LOW SPOTS OR POCKETS. FLOW LINES SHALL BE ACCURATELY SET AND SHALL NOT BE LESS THAN 1.0% GRADIENT IN LANDSCAPE AREAS UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE IN ALL PLANTING AND TURF AREAS.
	22. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS. ALL AREAS DISTURBED BY CONSTRUCTION WILL BE TURFED.

SITEWORK NOTES CONTINUE:

23. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION.

24. THE CONTRACTOR SHALL NOT ALLOW THE DISPOSAL OF ANY WASTE MATERIAL SUCH AS, BUT NOT LIMITED TO PAINT, OIL, SOLVENTS, CONCRETE, MORTAR, ETC. WITHIN THE LIMITS-OF-WORK. SUCH MATERIAL SHALL BE LEGALLY DISPOSED AT THE CONTRACTOR'S EXPENSE.

25. THE CONTRACTOR SHALL CLEAR AND GRUB ALL SMALL TREES, BRUSH, VINES, BRIARS, ETC WITHIN THE WORK AREA. POISON IVY GROWING WITHIN THIS ZONE SHALL BE SPRAYED WITH A BROADLEAF HERBICIDE PRIOR TO CLEARING AND GRUBBING, THE HERBICIDE TREATMENT OF POISON IVY SHALL BE REPEATED ON A MONTHLY BASIS THROUGHOUT THE CONSTRUCTION OF THE PARKING LOT.

26. "SHEETING, SHORING AND BRACING": THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE
FEDERAL, STATE AND LOCAL LAWS GOVERNING EXCAVATION. TRENCH SIDE SLOPES SHALL MEET
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS THAT ARE IN EFFECT
AT THE TIME OF BID OPENING. SHEETING, SHORING AND BRACING SHALL BE PROVIDED WHEN SIDE
SLOPES STANDARDS ARE NOT MET. A PULL BOX, MEETING OSHA STANDARDS, MAY BE
ACCEPTABLE, UNLESS NEGATED BY GROUNDWATER CONTROL MEASURES. THE APPARENT LOW
BIDDER SHALL SUBMIT DETAILED PLANS AND SPECIFICATIONS FOR TRENCH SAFETY SYSTEM THAT
MEET OSHA STANDARDS THAT ARE IN EFFECT AT THE TIME OF BID OPENING. THESE PLANS SHALL
BE SEALED BY AN ENGINEER REGISTERED BY THE STATE OF TEXAS AND SUBMITTED TO THE CITY
PRIOR TO THE FORMAL EXECUTION OF THE CONTRACT.6. DUI
OF EQ

27. CONTRACTOR SHALL CONFORM ACTIVITIES TO THE SWPPP AS SPECIFIED, INCLUDING INSTALLING, MAINTAINING, AND REMOVING POLLUTION CONTROLS, CONDUCTING AND DOCUMENTING INSPECTIONS OF POLLUTION CONTROLS, SPRINKLING FOR DUST CONTROL, MAINTAINING SPILL RESPONSE EQUIPMENT ON-SITE, AND "GOOD HOUSEKEEPING". POLLUTION CONTROLS INCLUDE SILT FENCES (OR STRAW BALES), STABILIZED CONSTRUCTION ENTRANCE, ESTABLISHING GRASS, SPRINKLING FOR DUST CONTROL.

28. THE CONTRACTOR SHALL MAINTAIN THE EXISTING WATER MAINS AND SERVICES IN OPERATION WHEN INSTALLING THE PROPOSED WATER MAIN. THIS SHALL INCLUDE ANY TEMPORARY CONNECTIONS, IF REQUIRED.

29. ALL SHRUBS AND LANDSCAPING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH THE COST SUBSIDIARY TO THE TOTAL COST OF THE PROJECT.

30. THE CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING CITY UTILITIES PRIOR TO INSTALLING PROJECT ELEMENTS.

31. DURING CONSTRUCTION, ALL DRAINAGE DITCHES, CHANNELS, ETC. SHALL BE KEPT DRAINED, INSOFAR AS PRACTICABLE, AND THE WORK SHALL BE CONDUCTED IN A NEAT WORKMANLIKE MANNER.

32. DISCREPANCIES, IF ANY, SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT BEFORE WORK COMMENCES.

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING ANY DISTURBED PORTIONS OF THE SITE. IF AREAS OUTSIDE OF THE LIMITS-OF-WORK ARE DISTURBED THE CONTRACTOR SHALL RETURN THE DISTURBED AREAS TO THEIR PRE-CONSTRUCTION CONDITION AS WELL AS PLACE AND ESTABLISH SOLID SOD COMMON BERMUDA GRASS ON THE DISTURBED AREAS.

2. EROSION CONTROL BLANKET SHALL BE CURLEX II OR APPROVED EQUAL, TYPICAL. LAY BLANKET FLAT ON SOIL SURFACE, STAPLE AS PER MANUFACTURER'S RECOMMENDATIONS USING FOUR (4) STAPLES PER SQUARE YARD. EROSION CONTROL BLANKET SHALL BE PLACED FOLLOWING SEEDING.

3. THE CONTRACTOR SHALL CUT OPENINGS IN ALL EROSION CONTROL BLANKETS FOR IRRIGATION HEADS, CONTROL VALVES, QUICK COUPLER VALVES, ETC. SECURE CUT EDGES OF BLANKET TO GROUND SURFACE.

4. SILTATION BARRIERS IN SWALES SHALL BE PLACED WITHIN (2) DAYS OF COMPLETION OF ROUGH GRADING.

5. THE CONTRACTOR IS RESPONSIBLE FOR INTERIM SEEDING OF THE DISTURBED PORTIONS OF THE SITE.

6. DURING CONSTRUCTION THE CONTRACTOR SHALL PROHIBIT CLEANING, PARKING, OR STORAGE OF EQUIPMENT OR MATERIALS UNDER THE CANOPY OF ANY EXISTING TREES.

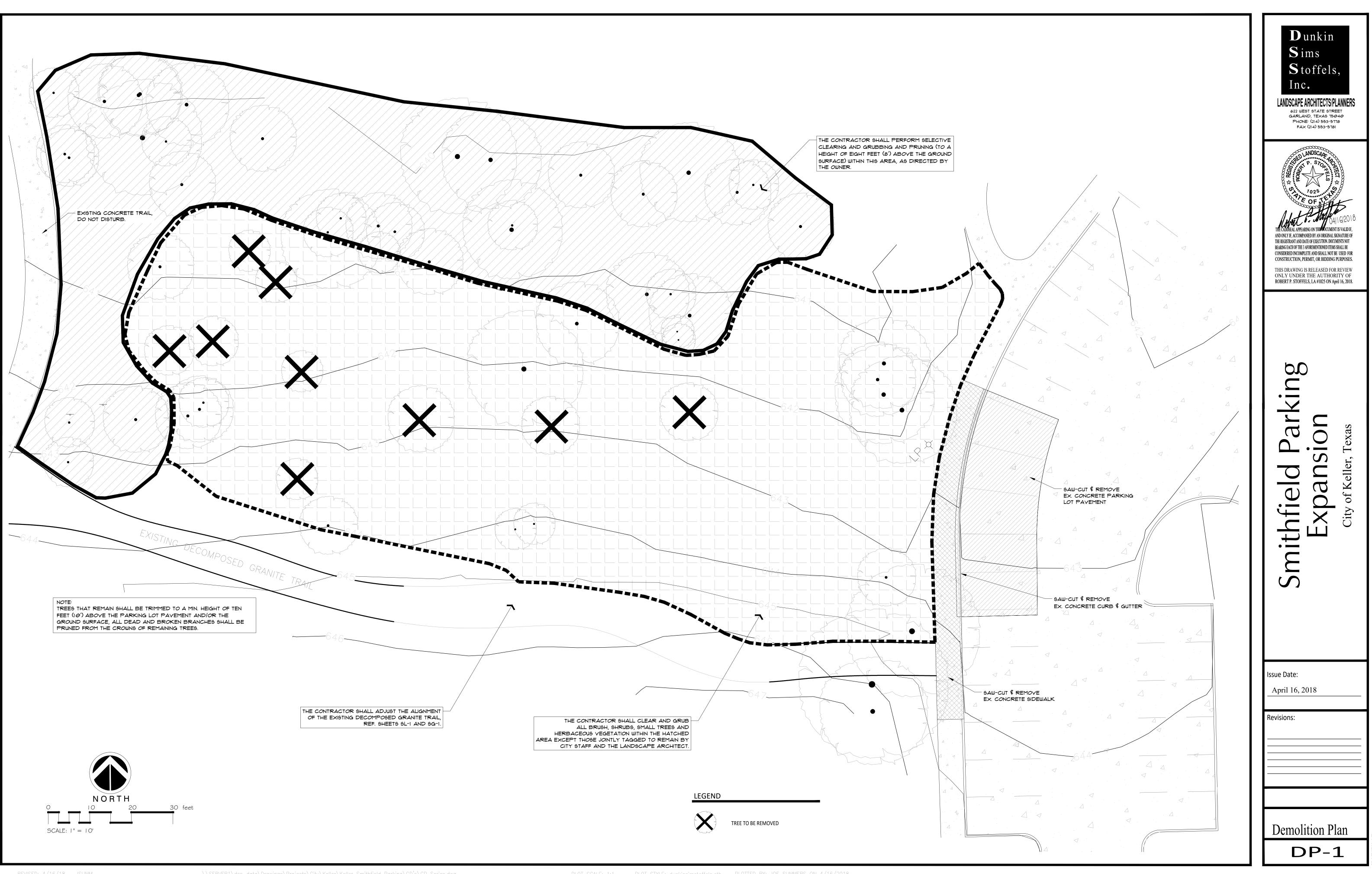
7. THE CONTRACTOR SHALL NOT ALLOW THE DISPOSAL OF ANY WASTE MATERIAL SUCH AS, BUT NOT LIMITED TO PAINT, OIL, SOLVENTS, CONCRETE, MORTAR, ETC. WITHIN THE LIMITS-OF-WORK. SUCH MATERIAL SHALL BE LEGALLY DISPOSED AT THE CONTRACTORS' EXPENSE.

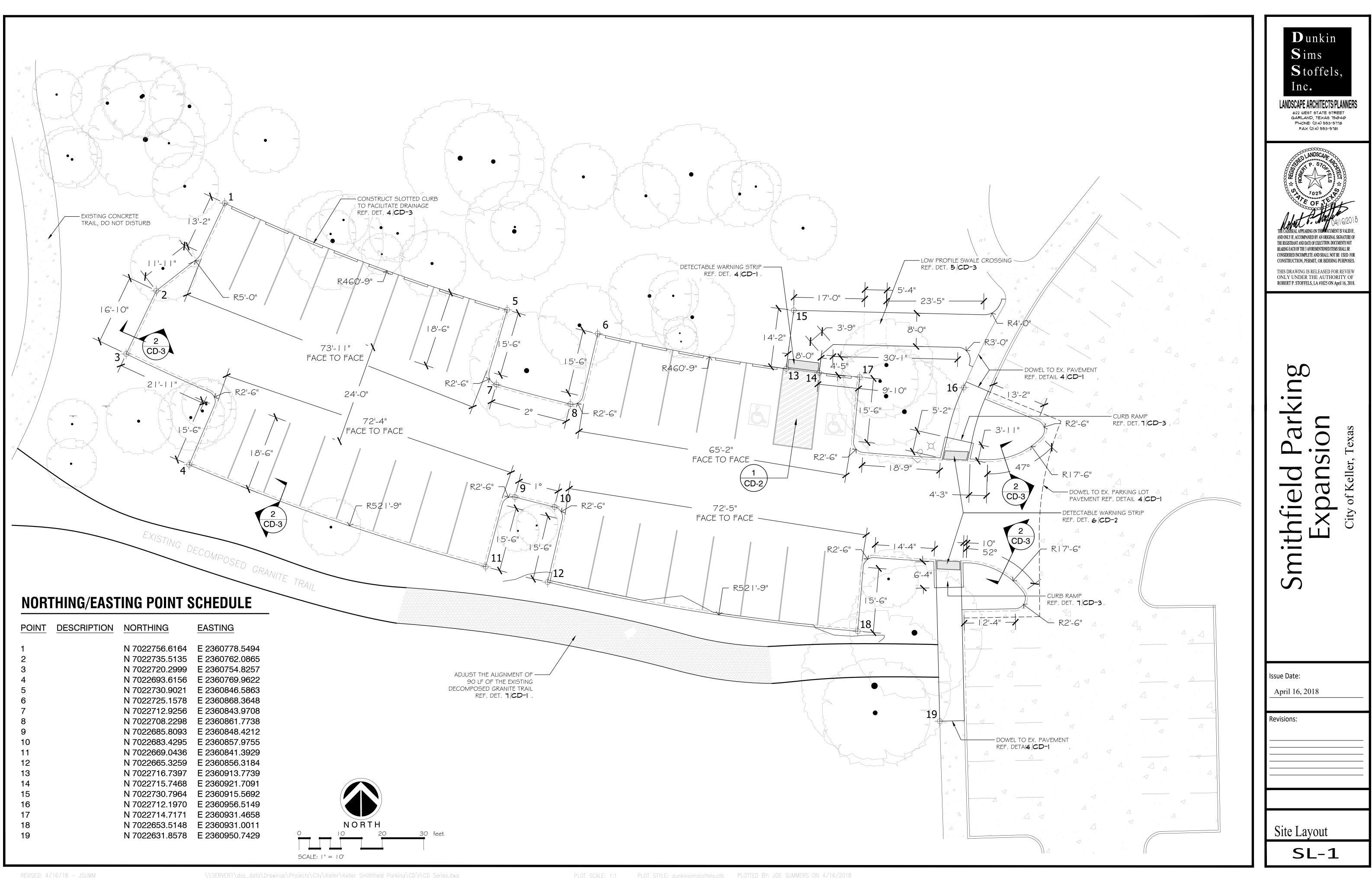
8. TREE PROTECTION FENCING SHALL CONSIST OF FOUR-FOOT (4') HEAVY DUTY ORANGE PLASTIC FENCING WITH A DIAMOND MESH PATTERN. PLACE 6' METAL POST SUPPORTS AT 10' O.C., 2' MINIMUM EMBEDMENT.

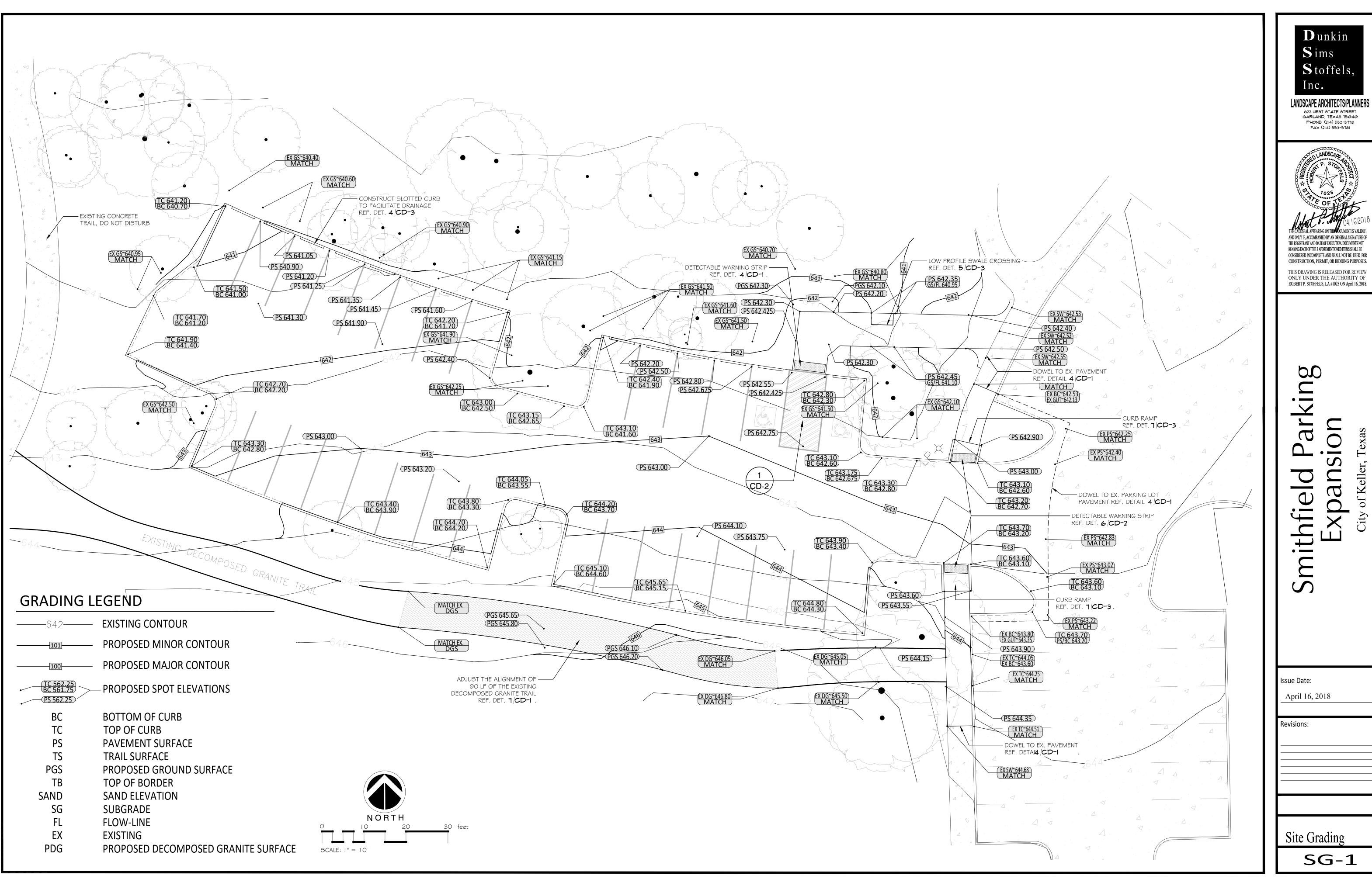
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND MAINTAINING GRASS AND WILD FLOWERS UNTIL THE GRASS IS DEEMED ESTABLISHED

10. ALL EROSION CONTROL MEASURES MUST BE REMOVED FROM THE SITE PRIOR TO FINAL ACCEPTANCE BY THE CITY, UNLESS OTHERWISE STIPULATED BY CITY STAFF.

Dunkin Sims Sims Stoffels, Inc. MADSCAPE ARCHITECTS/PLANNERS E22 WEBT BTATE BTREET GARLAND, TEXAB TB040 PHONE: (214) 553-5T18 EAX (214) 553-5T81		
THE CADDSEAL APPEARING ON THIS OCUMENT IS VALUE OF THE REGISTRANT AND DATE OF EXECUTION. DOCUMENTS NOT BEARING EACH OF THE 3 AFOREMENTIONED ITEMS SHALL BE CONSIDERED INCOMPLETE AND SHALL NOT BE USED FOR CONSTRUCTION, PERMIT, OR BIDDING PURPOSES. THIS DRAWING IS RELEASED FOR REVIEW ONLY UNDER THE AUTHORITY OF ROBERT P. STOFFELS, LA #1025 ON April 16, 2018.		
Smithfield Parking Expansion City of Keller, Texas		
Issue Date: April 16, 2018		
Revisions:		
General Notes GN-1		



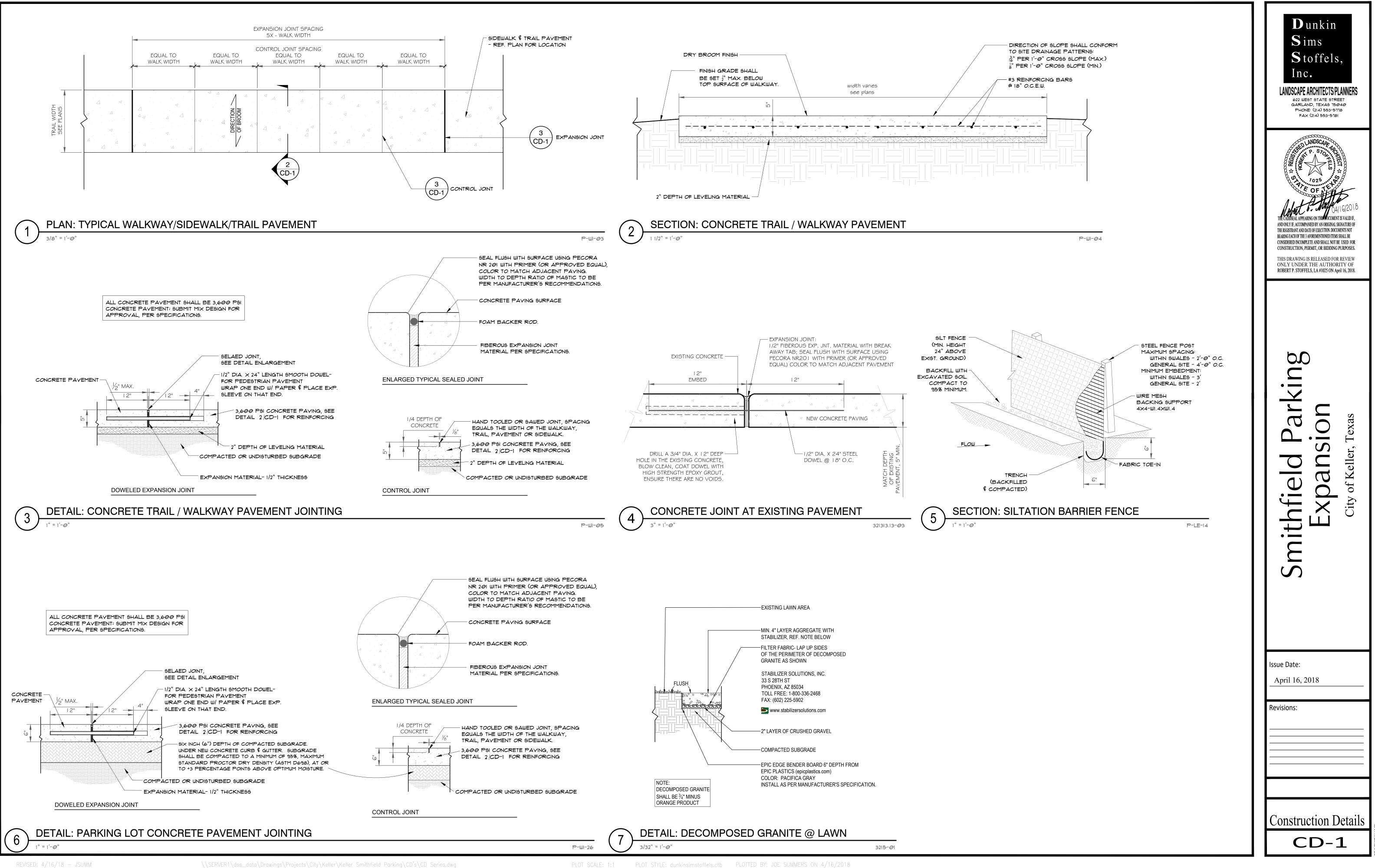


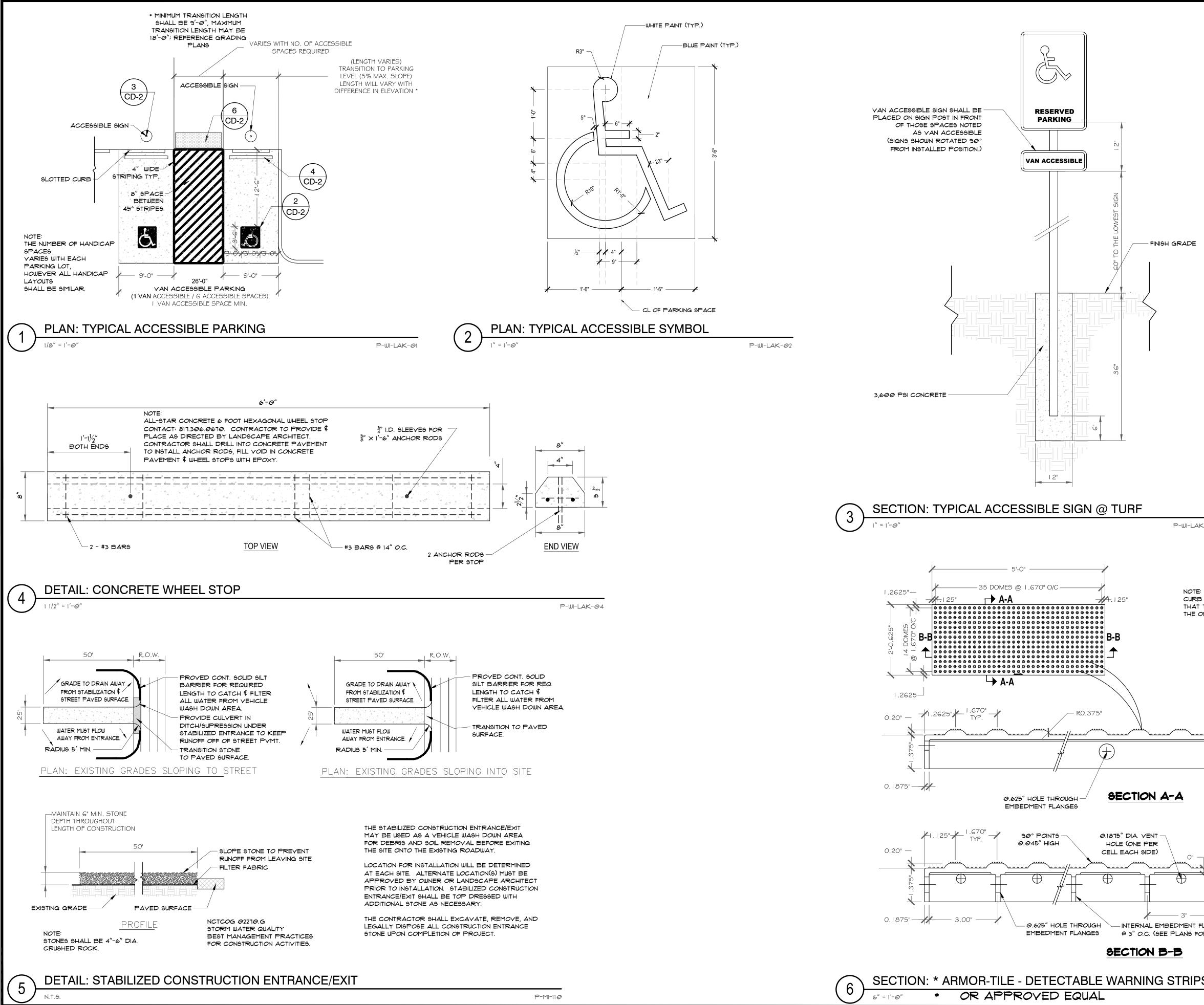






SOFCT NAME





	Sims Stoffels, Inc. LANDSCAPE ARCHITECTS/PLANNERS 622 WEST STATE STREET GARLAND, TEXAS 15040 PHONE: (214) 553-51718 FAX (214) 553-51781
E	THE CADDSEAL APPEARING ON THE AUTHORITY OF ROBERT P. STOFFELS, LA #1025 ON April 16, 2018.
TE RD RAMPS AND CROSSWALKS WILL REQUIRE AT THE ARMOR-TILES BE CUT TO WORK WITH E ON-SITE CONDITIONS I CONCRETE SURFACE O. 1875' CONTACT: ENGINEERED PLASTICE	Smithfield Parking Expansion City of Keller, Texas
Ø.1815" DIA. VENT HOLE (ONE PER CELL EACH SIDE) NOTE: SET ARMOR TILE INTO THE CONCRETE SURFACE, PER MANUFACTURER'S SPEC.	Issue Date: April 16, 2018
TYP. -0.1875"	Revisions:
P-MI-94	Construction Details CD-2

Dunkin

