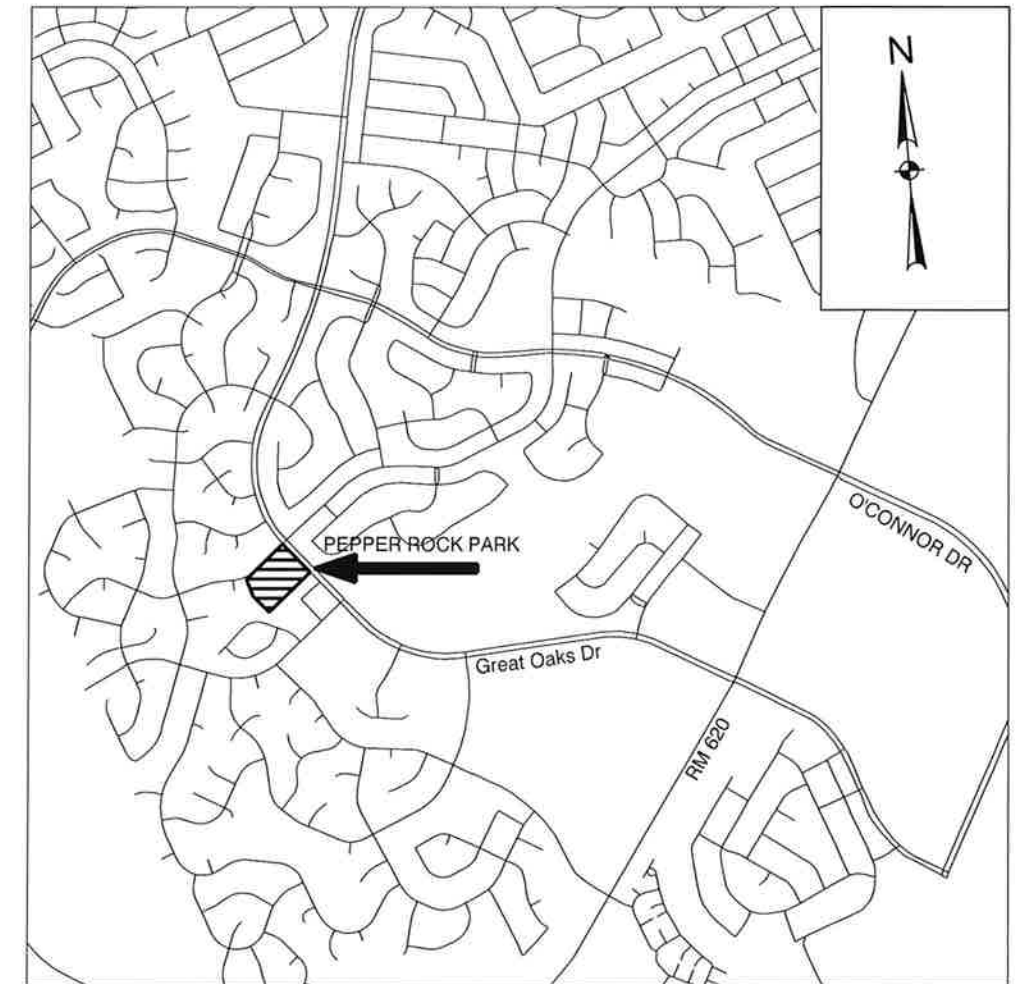


Brushy Creek Municipal Utility District

PEPPER ROCK PARK PARKING LOT



Location Map



PRESIDENT
REBECCA B. TULLOS

VICE PRESIDENT
RUSS SHERMER

SECRETARY
KIM FILIATRAULT

**ASSISTANT SECRETARY/
TREASURER**
DONNA B. PARKER

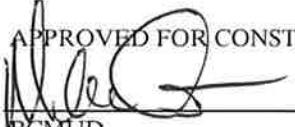
TREASURER
SHEAN R. DALTON

SHEET LIST

01	COVER SHEET
02	GENERAL NOTES
03	PROJECT LAYOUT
04	TYPICAL SECTIONS
C1.01	PEPPER ROCK PARK EROSION CONTROL, DEMOLITION & LANDSCAPING
C2.01	PEPPER ROCK PARK GRADING PLAN
C2.02	PEPPER ROCK PARK PAVEMENT PLAN
C3.01	CIVIL DETAILS
SD1.01-SD1.24	STANDARD DETAILS

REVIEWED BY:

WILLIAMSON COUNTY DATE 3/29/16

APPROVED FOR CONSTRUCTION*:

BCMUD DATE 3-24-16

*SEE SPECIAL NOTE #3, PG 2



HALFF
TBPE FIRM #F-312
TWO SIERRA WAY, SUITE 105
GEORGETOWN, TEXAS 78626-7574
TEL (512) 942-6232
FAX (512) 869-0089

MARCH 2016
AVO 29891

GENERAL NOTES:

- All construction shall be in accordance with Williamson County standards, BCMUD standards, State Law & Regulations.
 - Any existing utilities, pavement, curbs, sidewalks, structures, trees, etc., not planned for destruction or removal that are damaged or removed shall be repaired or replaced at contractor's expense.
 - The Contractor shall verify all depths and locations of existing utilities prior to any construction. Any discrepancies with the construction plans found in the field shall be brought immediately to the attention of the Engineer who shall be responsible for revising the plans as appropriate.
 - The Contractor shall give the BCMUD 48 hours notice before beginning each phase of construction.
 - All areas disturbed or exposed during construction shall be revegetated in accordance with the plans and specifications. Revegetation of all disturbed or exposed areas shall consist of sodding or seeding, at the Contractor's option unless otherwise called out in plans. However, the type of revegetation must equal or exceed the type of vegetation present before construction.
 - The Contractor and the Engineer shall keep accurate records of all construction that deviates from the plans. The Engineer shall furnish BCMUD accurate "As-Built" drawings following completion of all construction. These "As-Built" drawings shall meet with the satisfaction of the Engineering and Development Services Department prior to final acceptance.
 - The Brushy Creek MUD shall not be petitioned for acceptance until all necessary easement documents have been signed and recorded.
 - When construction is being carried out within easements, the Contractor shall confine his work to within the permanent and any temporary easements. Prior to final acceptance, the Contractor shall be responsible for removing all trash and debris within the permanent and temporary easements. Clean-up shall be to the satisfaction of the Engineer.
 - Prior to any construction, the Contractor shall apply for and secure all proper permits from the appropriate authorities.
 - Contact designated BCMUD representative for disposition of salvaged material.
- BCMUD Designated Representative:
Mike Petter 512-255-7871 ext. 221
- Available benchmarks that may be utilized for the construction of this project are described as follows:

SURVEY CONTROL TABLE

Point	Northing	Easting	Elevation
100	10154301.02	3112873.93	901.28
101	10154527.42	3113122.21	895.48

TRENCH SAFETY NOTES:

- In accordance with the Laws of the State of Texas and the U. S. Occupational Safety and Health Administration regulations, all trenches over 5 feet in depth in either hard and compact or soft and unstable soil shall be sloped, shored, sheeted, braced or otherwise supported. Furthermore, all trenches less than 5 feet in depth shall also be effectively protected when hazardous ground movement may be expected. Trench safety systems to be utilized for this project will be provided by the Contractor.
- In accordance with the U. S. Occupational Safety and Health Administration regulations, when persons are in trenches 4 feet deep or more, adequate means of exit, such as a ladder or steps, must be provided and located so as to require no more than 25 feet of lateral travel.
- If trench safety system details were not provided in the plans because trenches were anticipated to be less than 5 feet in depth and during construction it is found that trenches are in fact 5 feet or more in depth or trenches less than 5 feet in depth are in an area where hazardous ground movement is expected, all construction shall cease, the trenched area shall be barricaded and the Engineer notified immediately. Construction shall not resume until appropriate trench safety system details, as designed by a professional engineer, are retained and copies submitted to the Engineer.

STREET AND DRAINAGE NOTES:

- All testing shall be done by an independent laboratory at the Owner's expense. Any retesting shall be paid for by the Contractor. Testing shall be coordinated with the Inspector and he shall be given a minimum of 24 hours notice prior to any testing.
- Backfill behind the curb shall be compacted to obtain a minimum of 95% maximum density to within 3' of top of curb. Material used shall be primarily granular with no rocks larger than 6" in the greatest dimension. The remaining 3' shall be clean topsoil free from all clods and suitable for sustaining plant life.
- All R.C.P. shall be minimum class III.

TRAFFIC MARKING NOTES:

- Any methods, street markings and signage necessary for warning motorists, warning pedestrians or diverting traffic during construction shall conform to the Texas Manual of Uniform Traffic Control Devices for Streets and Highways, latest edition.
- All pavement markings, markers, paint, traffic buttons, traffic controls and signs shall be installed in accordance with the Texas Department of Transportation Standard Specifications for Construction of Highways, Streets and Bridges and, the Texas Manual of Uniform Traffic Control Devices for Streets and Highways, latest editions.

EROSION AND SEDIMENTATION CONTROL NOTES:

- Erosion control measures, site work and restoration work shall be in accordance with the details.
- All slopes shall be sodded or seeded with approved grass, grass mixtures or ground cover suitable to the area and season in which they are applied.
- Silt fences, rock berms, sedimentation basins and similarly recognized techniques and materials shall be employed during construction to prevent point source sedimentation loading of downstream facilities. Additional measures may be required if, in the opinion of the Engineer, they are warranted.
- All temporary erosion control measures shall not be removed until final inspection and approval of the project by the Engineer. It shall be the responsibility of the Contractor to maintain all temporary erosion control structures and to remove each structure as approved by the Engineer.
- All mud, dirt, rocks, debris, etc., spilled, tracked or otherwise deposited on existing paved streets, drives and areas used by the public shall be cleaned up immediately.

SPECIAL NOTES:

- The contractor shall not close traffic lanes during standard hours for child drop off and pick up in school zones. Contact Cedar Valley Middle School to confirm times.
- NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS BUT NOT INCLUDED ON THE BID SCHEDULE. THIS INCIDENTAL WORK WILL BE REQUIRED AND SHALL BE INCLUDED UNDER THE PAY ITEM TO WHICH IT RELATES.
- BCMUD shall be responsible for the maintenance of the improvements in these plans.

PEPPER ROCK PARK
PARKING LOT
BRUSHY CREEK MUD
16318 GREAT OAKS DR.
ROUND ROCK, TX 78681



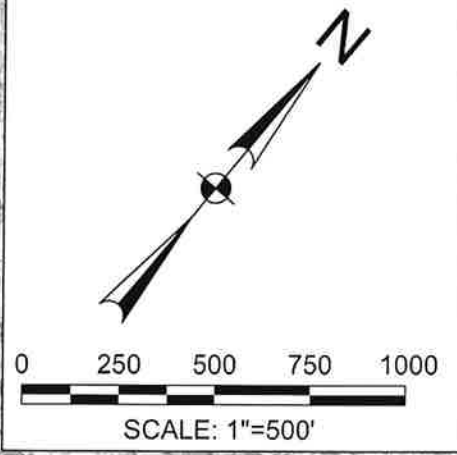
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GEORGETOWN, TEXAS 78626-7574
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FAX (512) 869-0089

Project No: AV0 - 29891

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Revisions:		
No.	Date	Description

Drawn by: NJH
Checked by: NSS
Sheet Title:
GENERAL NOTES
Sheet Number: 2

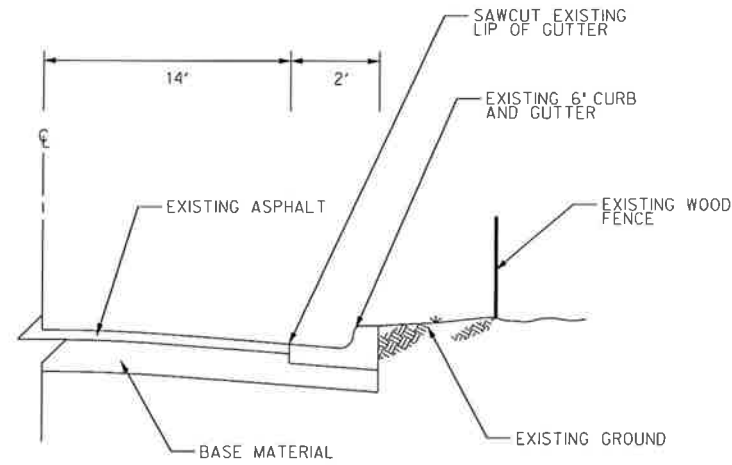


PEPPER ROCK PARK
PARKING LOT
 BRUSHY CREEK MUD
 16318 GREAT OAKS DR.
 ROUND ROCK, TX 78681

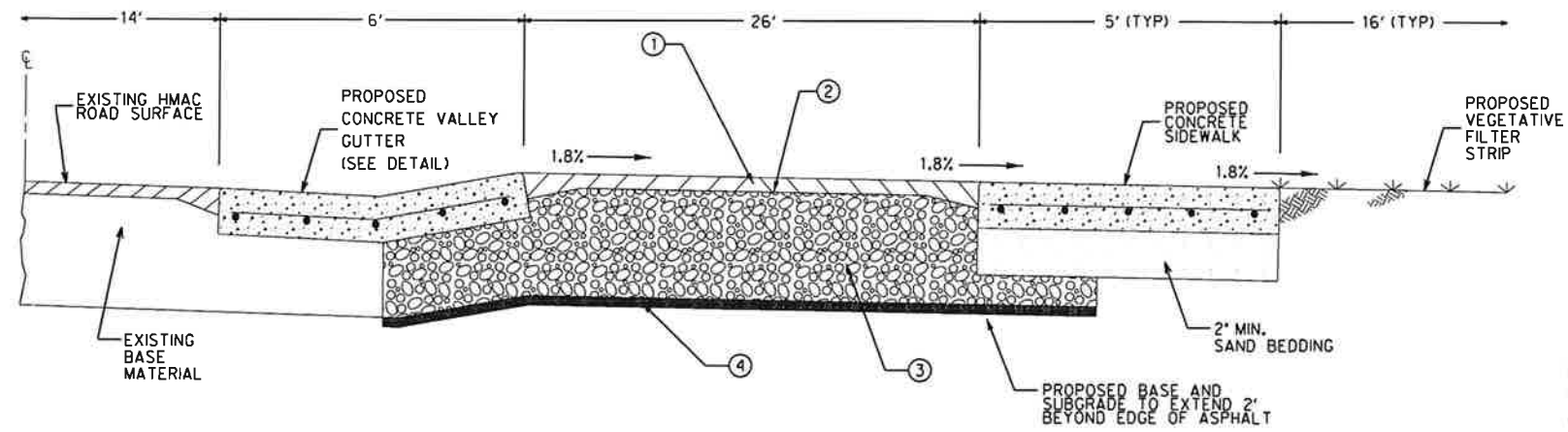



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No.	Date	Description
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Checked by: HSS		
Sheet Title		
PROJECT LAYOUT		
Sheet Number		
03		



EXISTING TYPICAL SECTION NOT TO SCALE



PROPOSED TYPICAL SECTION NOT TO SCALE

- PAVEMENT SECTIONS**
- ① 2" HMAC (TY D)
 - ② PRIME COAT
 - ③ 9" FLEXIBLE BASE
 - ④ 6" MOISTURE CONDITIONED SUBGRADE

- NOTES**
- ① PAVEMENT SECTION DESIGN TO BE BASED ON GEOTECHNICAL REPORT PROVIDED BY RABA KISTNER INC.

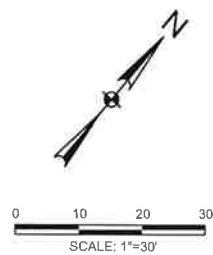
**PEPPER ROCK PARK
PARKING LOT**
BRUSHY CREEK MUD
16318 GREAT OAKS DR.
ROUND ROCK, TX 78681



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Drawn by: NH		
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Sheet Title		
TYPICAL SECTIONS		
04		
Sheet Number		

**PEPPER ROCK PARK
PARKING LOT**
BRUSHY CREEK MUD
16318 GREAT OAKS DR.
ROUND ROCK, TX 78681

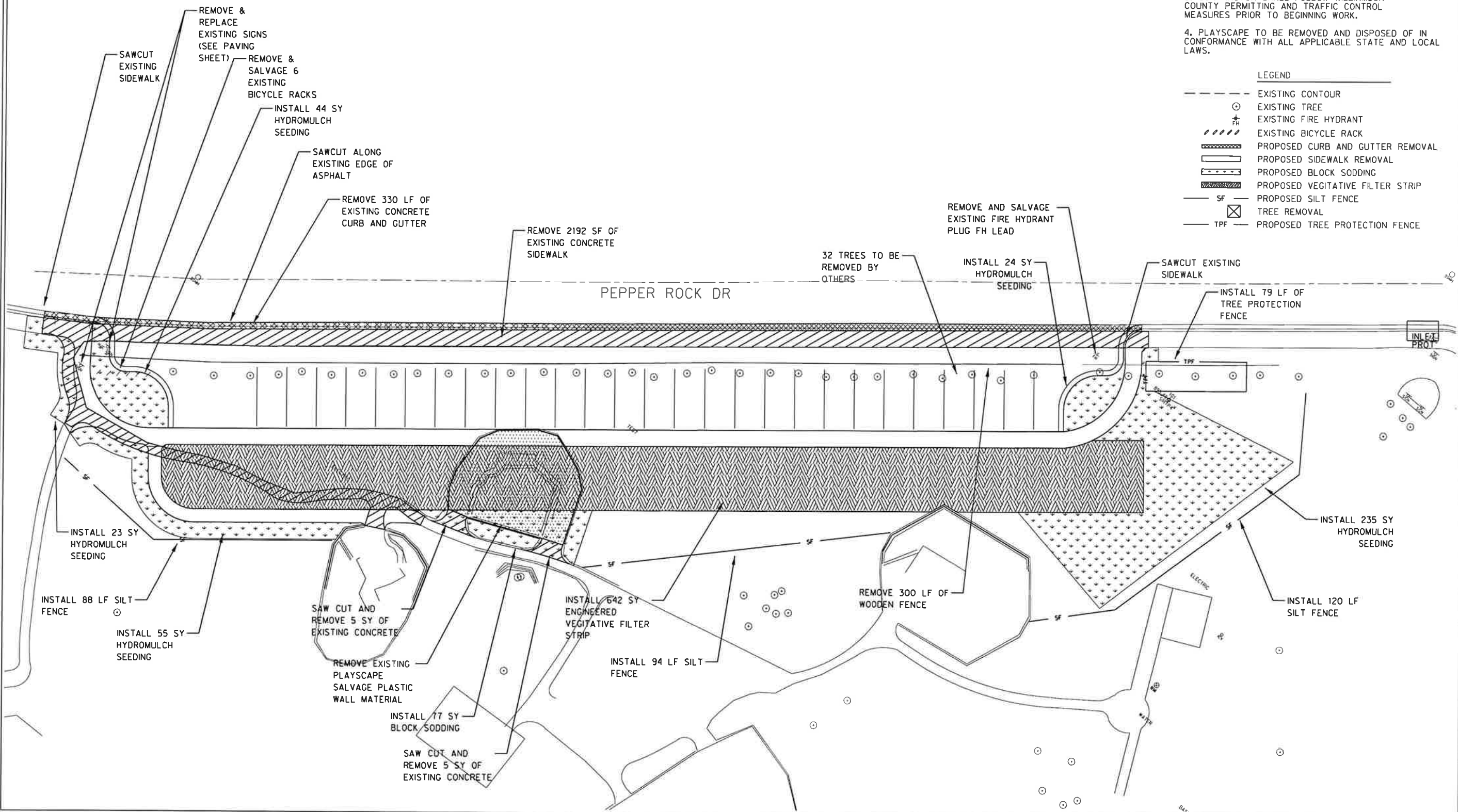


NOTES:

1. CONTACT BCMUD 72 HOURS PRIOR TO BEGINNING WORK IN PARK.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF ANY OTHER WORK.
3. CONTRACTOR SHALL FOLLOW WILLIAMSON COUNTY PERMITTING AND TRAFFIC CONTROL MEASURES PRIOR TO BEGINNING WORK.
4. PLAYSCAPE TO BE REMOVED AND DISPOSED OF IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL LAWS.

LEGEND

- EXISTING CONTOUR
- ⊙ EXISTING TREE
- ⊕ EXISTING FIRE HYDRANT
- ||||| EXISTING BICYCLE RACK
- ▨ PROPOSED CURB AND GUTTER REMOVAL
- ▩ PROPOSED SIDEWALK REMOVAL
- ▧ PROPOSED BLOCK SODDING
- ▩ PROPOSED VEGETATIVE FILTER STRIP
- SF PROPOSED SILT FENCE
- ⊗ TREE REMOVAL
- TPF PROPOSED TREE PROTECTION FENCE



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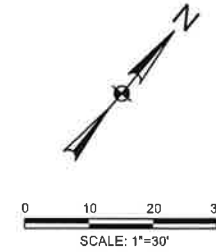
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Issued: _____

Revision No.	Date	Description

Drawn by: NJS
Checked by: NSJ
Sheet Title:
DEMOLITION, EROSION CONTROL & LANDSCAPING
Sheet Number: C1.01

HORIZ. & VERT. PARKING LOT ALIGNMENT DATA									
POINT	N	E	ELEVATION	COMMENT	POINT	N	E	ELEVATION	COMMENT
100	10154301.02	3112873.93	901.28	SVY CNTRL	11	10154530.82	3113101.89	896.94	PT BOC
101	10154527.42	3113122.21	895.48	SVY CNTRL	12	10154528.16	3113104.12	896.92	PC BOC
1	10154336.48	3112859.02	901.65	TIE-IN BOC	13	10154520.41	3113103.43	896.87	PT BOC
2	10154335.69	3112865.54	901.61	PT BOC	14	10154518.80	3113101.50	896.86	PC BOC
3	10154331.82	3112868.76	901.58	PC BOC	15	10154504.72	3113100.23	896.78	PT BOC
4	10154331.11	3112876.51	901.54	PT BOC	16	10154499.73	3113104.40	896.26	END BOC
5	10154332.72	3112878.45	901.53	PC BOC					
6	10154376.11	3112892.53	901.45	PT BOC					
7	10154326.44	3112896.69	900.92	END BOC					
8	10154334.44	3112877.41	901.03	ASPHALT					
9	10154363.71	3112912.48	900.23	ASPHALT					
10	10154537.86	3113102.51	896.91	TIE-IN BOC					

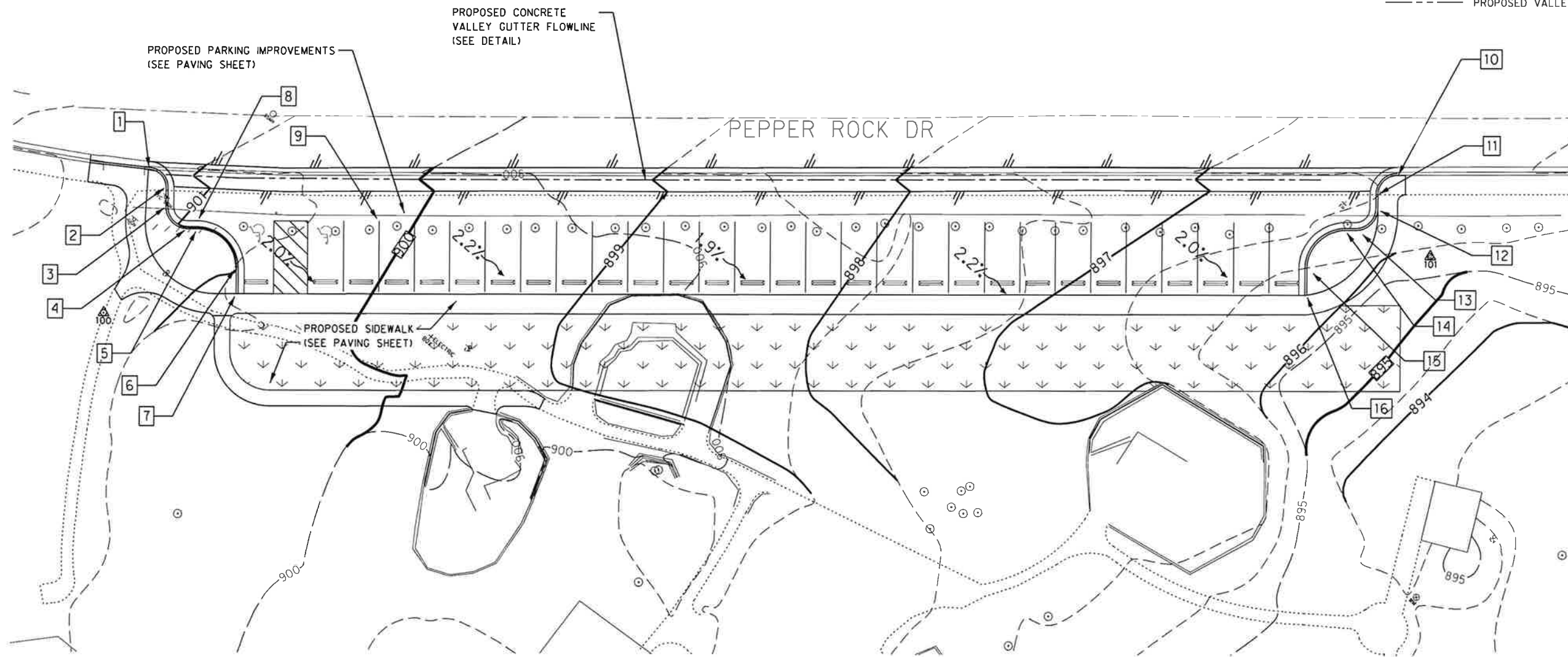


NOTES:

1. HORIZONTAL & VERTICAL DATA PROVIDED IN TABLE ARE TO BACK OF CURB, UNLESS OTHERWISE NOTED.
2. HANDICAP PARKING SPOTS AND LOADING ZONE SHALL BE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS

LEGEND

- - - - - EXISTING CONTOUR
- 900 — PROPOSED CONTOUR
- - - - - PROPOSED VALLEY GUTTER FLOWLINE



**PEPPER ROCK PARK
PARKING LOT**
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16318 GREAT OAKS DR.
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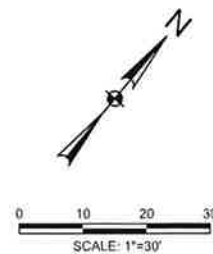
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Sheet Title

GRADING PLAN

C2.01

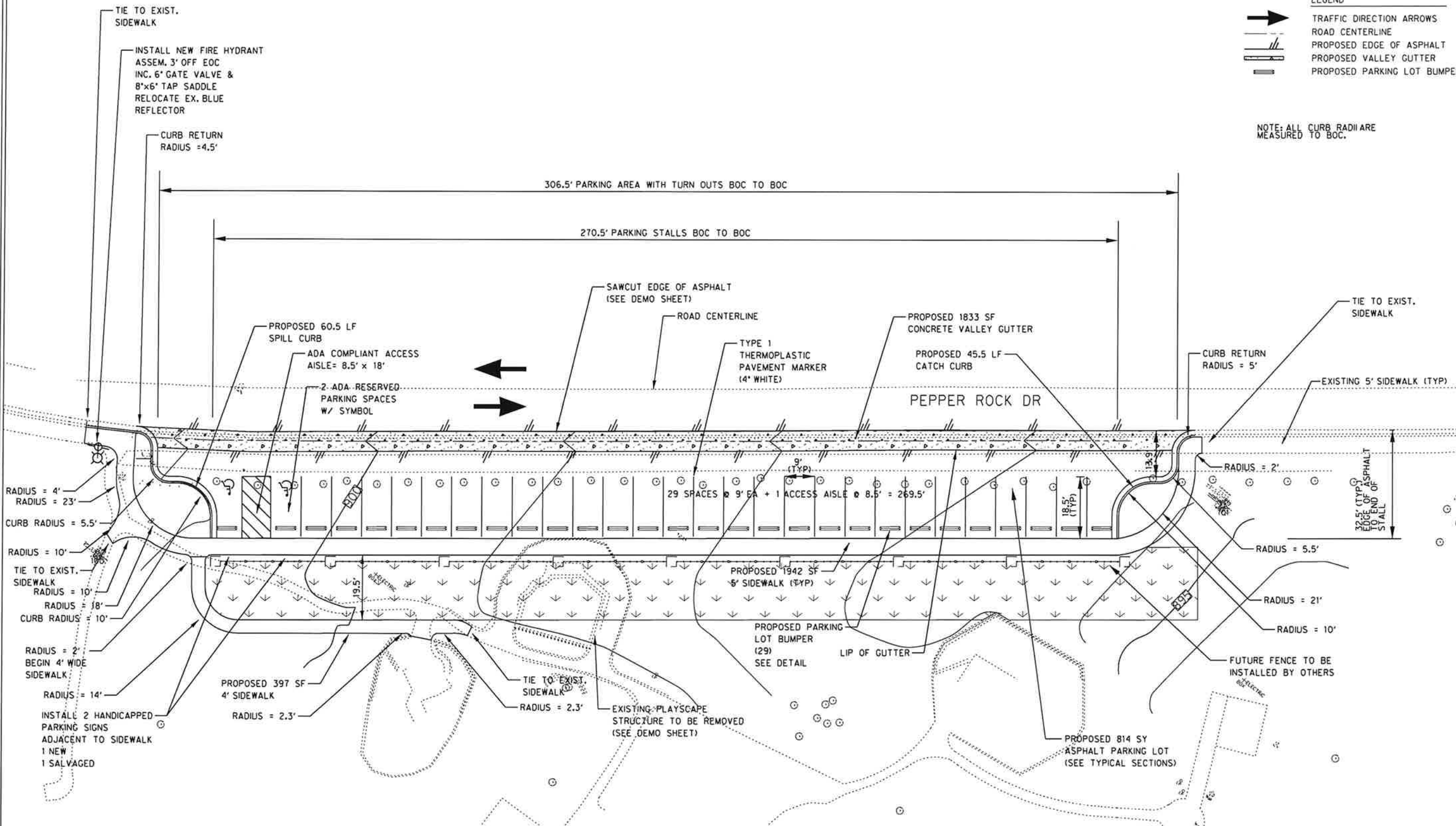
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LEGEND

- ➔ TRAFFIC DIRECTION ARROWS
- ROAD CENTERLINE
- ▨ PROPOSED EDGE OF ASPHALT
- ▤ PROPOSED VALLEY GUTTER
- ▧ PROPOSED PARKING LOT BUMPER

NOTE: ALL CURB RADII ARE MEASURED TO BOC.



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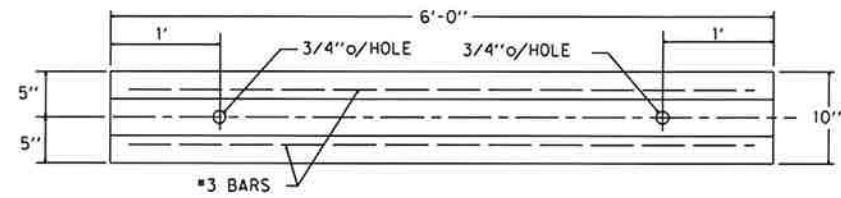
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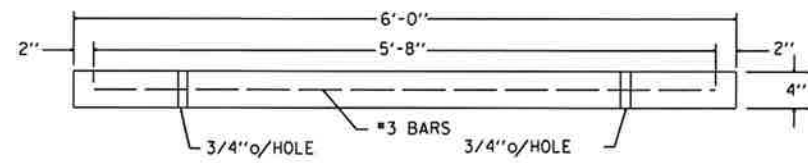
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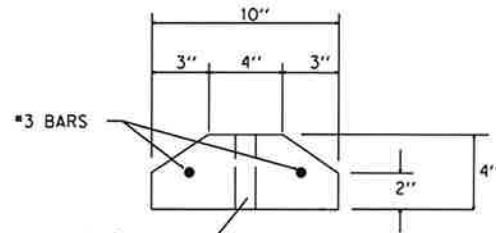
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Checked by: HSS
Sheet Title: PAVEMENT PLAN
Sheet Number: C2.02



PLAN



LONGITUDINAL SECTION



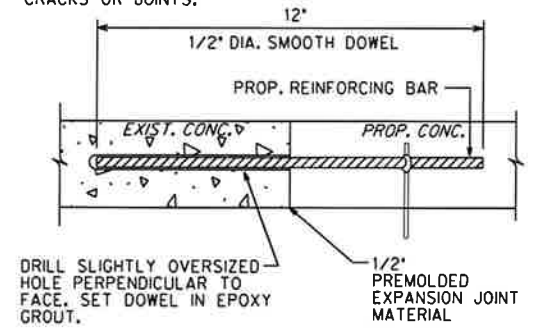
ALL CONCRETE WILL BE CLASS "A" IN ACCORDANCE WITH ITEM 420.

CROSS SECTION

C1 WHEEL STOPS N.T.S.

NOTE: INSTALL PARKING LOT BUMPER CURB BEGINNING 1' FROM EDGE OF PAVEMENT.

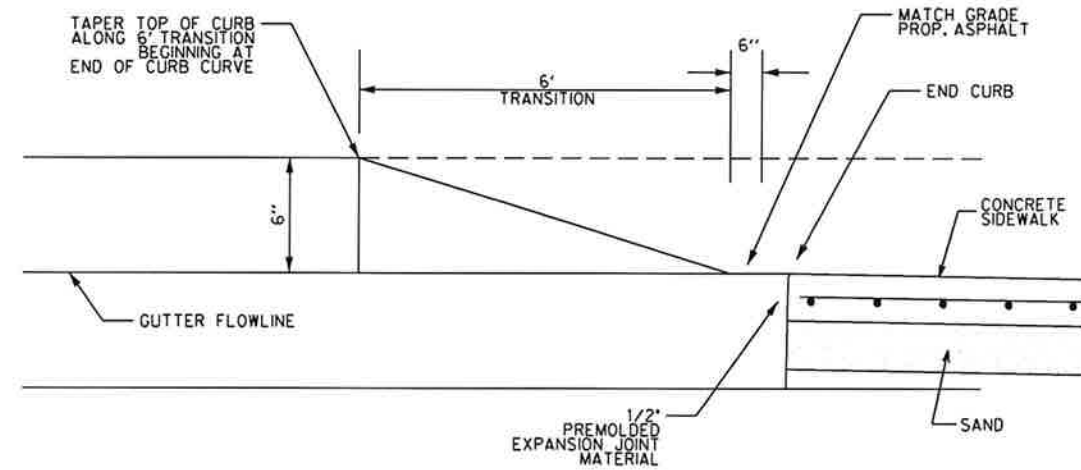
NOTE: NORMAL SPACING OF REINFORCING BARS WILL NOT BE LESS THAN 24" AND NOT MORE THAN 36". HOWEVER, REINFORCING BARS WILL BE AT LEAST 12" FROM EXIST. CRACKS OR JOINTS.



DRILL SLIGHTLY OVERSIZED HOLE PERPENDICULAR TO FACE. SET DOWEL IN EPOXY GROUT.

1/2" PREMOLDED EXPANSION JOINT MATERIAL

C2 DOWEL DETAIL N.T.S.



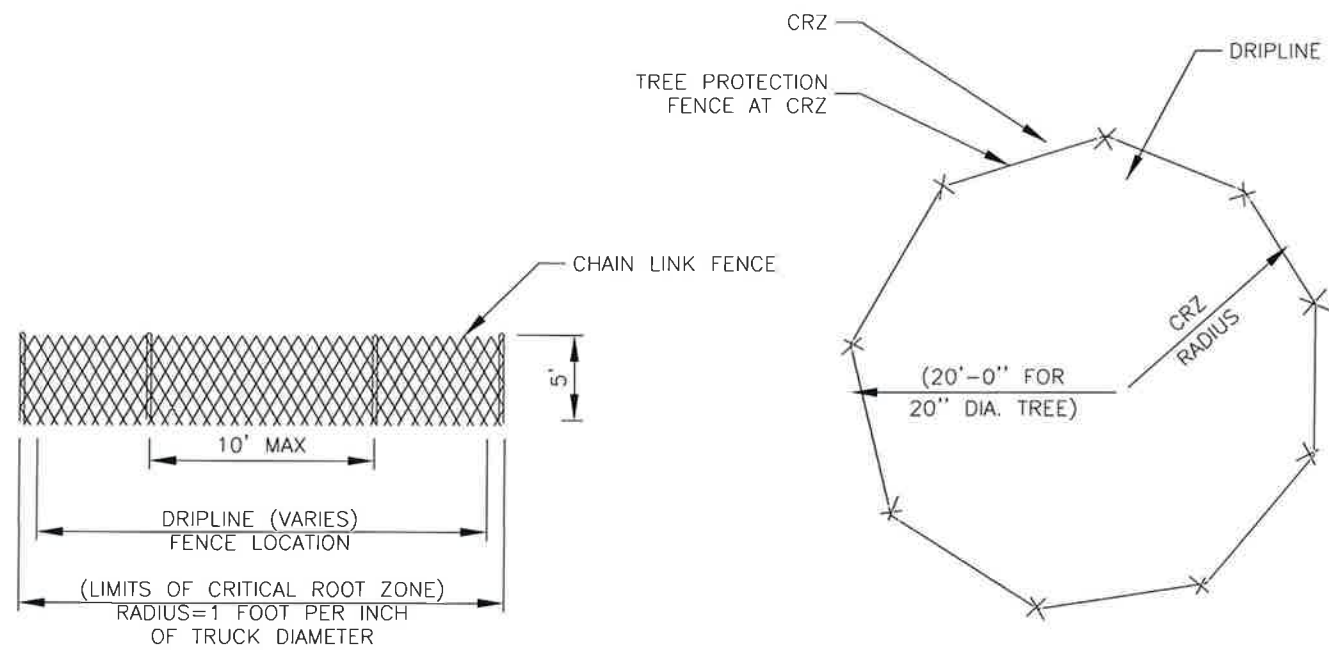
C3 CURB TRANSITION TO SIDEWALK N.T.S.

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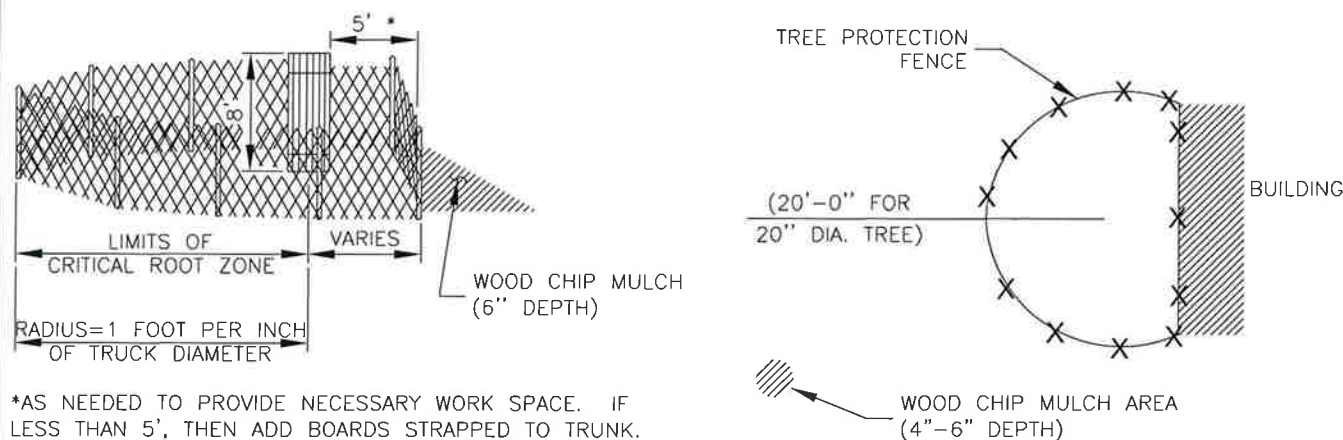
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No.	Date	Description
Drawn by: NJH		
Checked by: NSS		
Sheet Title		
CIVIL DETAILS		
C3.01		
Sheet Number		



TREE PROTECTION FENCE – CHAIN LINK

NOTE:

LIMITS OF WOOD CHIP MULCH AREA AND DISTANCE FROM TRUNK TO WORK AREA SHALL BE SUBJECT TO THE APPROVAL OF THE FORESTRY MANAGER.



TREE PROTECTION FENCE (MODIFIED) – CHAIN LINK

FOR QUESTIONS CONCERNING THIS DETAIL, PLEASE CONTACT THE FORESTRY MANAGER.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS APPROVED

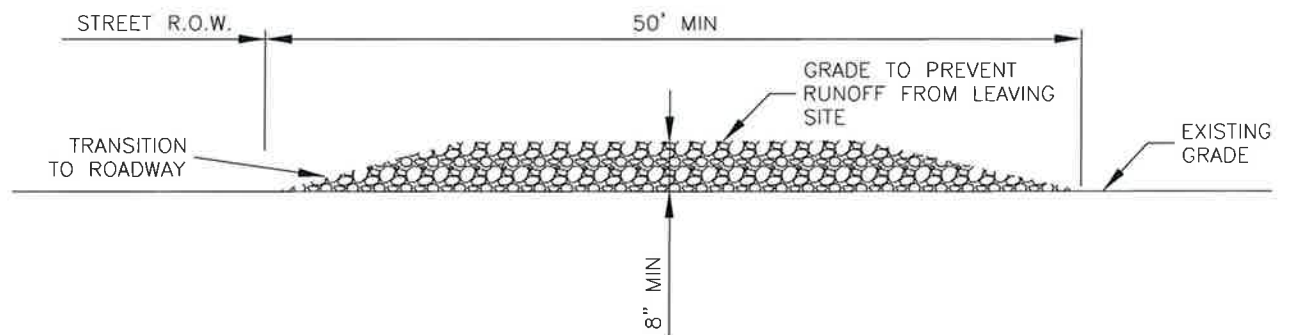
03-25-11 DATE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

CITY OF ROUND ROCK

TREE PROTECTION FENCE CHAIN LINK

DRAWING NO: EC-04



CROSS SECTION

NOTES:

1. STONE SIZE SHALL BE 3" – 8" OPEN GRADED ROCK.
2. THICKNESS OF CRUSHED STONE PAD TO BE NOT LESS THAN 8".
3. LENGTH SHALL BE A MINIMUM OF 50' FROM ACTUAL ROADWAY, AND WIDTH NOT LESS THAN FULL WIDTH OF INGRESS/EGRESS.
4. ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY BY CONTRACTOR.
6. AS NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS APPROVED

03-25-11 DATE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL. (NOT TO SCALE)

CITY OF ROUND ROCK

STABILIZED CONSTRUCTION ENTRANCE DETAIL

DRAWING NO: EC-09



PEPPER ROCK PARK
PARKING LOT
BRUSHY CREEK MUD
16318 GREAT OAKS DR.
ROUND ROCK, TX 78681



Project No: AV0 - 29891

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Sheet Title

STANDARD DETAILS

SD1.02

Sheet Number