

MONTPELIER PUBLIC HIGH SCHOOL

2014 MAIN PARKING LOT IMPROVEMENTS



DRAWING INDEX

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C8-02 SITE DETAILS

OWNER:

MONTPELIER PUBLIC SCHOOLS
5 HIGH SCHOOL DRIVE
MONTPELIER, VERMONT 05602
(802) 225-8000

Civil Engineer:

TRUDELL CONSULTING ENGINEERS (TCE)
478 BLAIR PARK ROAD
WILLISTON, VT 05495
(802) 879-6331

USE AND INTERPRETATION OF THE DRAWINGS

1. Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities. They are not intended as construction drawings unless noted to such.
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BEFORE USING THESE PLANS ENSURE THAT YOU HAVE THE LATEST REVISION

TCE PROJECT NO: 13-056

REVISION HISTORY:

- 1 - BID SET SUBMISSION
- 2 - ADDENDUM No. 1

06/12/2014
06/25/2014



TRUDELL CONSULTING ENGINEERS
478 BLAIR PARK ROAD | WILLISTON, VERMONT 05495
802 879 6331 | WWW.TCEVT.COM

Field Book:

SITE	LINE			SITE	SYMBOL		
	EXISTING	PROPOSED	REMOVED/ABANDONED		EXISTING	PROPOSED	REMOVED/ABANDONED
PAVED DRIVE OR ROAD				SIGN			
GRAVEL DRIVE OR ROAD				UTILITIES			
PAVED DRIVE OR ROAD WITH CURB				SEWER MANHOLE (SMH)			
TREE LINE				SEWER CLEANOUT (CO)			
TRAIL				PUMP STATION (PS)			
WETLAND LIMIT				STORM DRAINAGE MANHOLE (DMH)			
TOPOGRAPHIC CONTOURS				CATCH BASIN (CB)			
STREAM				STORM DRAINAGE CLEANOUT			
SILT FENCE				OUTLET OR END SECTION			
UTILITIES				VALVE			
SEWER MAINS AND SERVICES				CURB STOP (CS)			
SEWER FORCEMAIN				FIRE HYDRANT (HYD)			
WATER MAINS AND SERVICES				WATER SUPPLY WELL			
STORM DRAINAGE				END CAP			
CURTAIN DRAIN				BLOWOFF			
UNDERDRAIN				UTILITY POLE			
ROOF DRAIN				MTC OR TRANSFORMER			
FOOTING DRAIN				TELEPHONE MANHOLE			
LIQUID PROPANE OR NATURAL GAS				TELEPHONE PEDESTAL			
OVERHEAD POWER				LUMINAIRE			
UNDERGROUND POWER				BOLLARD LIGHT			
OVERHEAD TELEPHONE				TELEVISION PEDESTAL			
UNDERGROUND TELEPHONE				FIELD			
OVERHEAD POWER & TELEPHONE				CALCULATED POINT			
UNDERGROUND POWER & TELEPHONE				TCE CONTROL POINT STEEL REBAR			
OVERHEAD POWER, TELEPHONE & CABLE				TCE CONTROL POINT MAG NAIL			
UNDERGROUND POWER, TELEPHONE & CABLE				OBSERVATION WELL			
CABLE TELEVISION				PERCOLATION TEST			
FIBER OPTIC				SOIL TEST PIT			
SURVEY				SOIL BORING			
PROPERTY LINE				BENCHMARK			
RIGHT-OF-WAY LINE				SURVEY			
EASEMENTS				IRON PIPE			
FENCE				STEEL REBAR			
STONEWALL				CONCRETE MONUMENT			
BUILDING SETBACKS				MARBLE OR STONE MONUMENT			
				IRON PIN (IP)			

LEGEND NOTE:

SOME INFORMATION MAY BE PROVIDED BY OTHERS AND COULD BE SHOWN WITH A DIFFERENT SYMBOL NOT SHOWN ON THIS LEGEND, HOWEVER, THEY ARE LABELED ON RESPECTIVE PLANS. IN SOME CASES A CHANGE IN SCALE OR PRINTER CAN ALTER INFORMATION TO NOT SHOW AN EXACT MATCH ON THIS LEGEND. IF ANY QUESTIONS EXIST CONTACT THE ENGINEER TO CLARIFY. ADDITIONAL LEGEND INFORMATION IS SUPPLIED SEPARATELY ON EROSION CONTROL PLANS AND SOME SURVEY PLATS.

SURVEY NOTES:

- 1. THE PURPOSE OF THE EXISTING CONDITIONS PLAN IS TO DEPICT PERTINENT EXISTING CONDITIONS AS OF THE DATE OF SURVEY JULY 2013.
2. BEARINGS SHOWN ARE BASED UPON VERMONT GRID NORTH.
3. VERTICAL DATUM IS BASED ON NAVD88 (GEOID 12).
4. COORDINATE SYSTEM IS BASED ON VERMONT STATE PLANE (U.S. SURVEY FEET).
5. HORIZONTAL AND VERTICAL CONTROL ESTABLISHED WITH RTK GPS OBSERVATIONS FROM THE VCAP CORS STATION. A TRIMBLE R6 RTK GPS UNIT WAS EMPLOYED FOR THESE OBSERVATIONS.
6. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS SHOWN ARE BASED ON RESEARCH, UTILITY PLANS PROVIDED BY OTHERS, AND/OR SURFACE EVIDENCE ENCOUNTERED AND WERE OBTAINED IN A MANNER CONSISTENT WITH THE ORDINARY STANDARD OF PROFESSIONAL CARE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE DESIGN ENGINEER. ADDITIONAL UTILITIES NOT SHOWN MAY EXIST. ENGINEER SHALL BE NOTIFIED IF ANY DISCREPANCIES ARE ENCOUNTERED. ACTUAL LOCATION OF UNDERGROUND UTILITIES MAY VARY. DIGSAFE MUST BE CONTACTED PRIOR TO ANY EXCAVATION.
7. THIS PLAN DOES NOT DEPICT A FORMAL BOUNDARY SURVEY.

RECORD DRAWING REQUIREMENTS:

- 1) A CLEAN SET OF UP TO DATE RECORD DRAWINGS IS TO BE AVAILABLE FOR REVIEW ON SITE AT ALL TIMES. FOR JOBS LASTING MORE THAN 4 WEEKS A REVIEW OF THE RECORD DRAWINGS WILL BE DONE BY THE ENGINEER EVERY 2 WEEKS AND COMMENTS OR DEFICIENCIES MAY BE PROVIDED.
2) TIES TO ALL BENDS, VALVES, JOINTS, CONNECTIONS AND DESIGN FEATURES SHALL BE PROVIDED. TIES SHALL BE PULLED FROM EASILY LOCATABLE PERMANENT ABOVE GROUND FEATURES THAT ARE VISIBLE YEAR AROUND SUCH AS BUILDING CORNERS, HYDRANTS, SEWER AND STORM DRAIN COVERS THAT WILL BE CLEARED IN WINTER, UTILITY POLES, ETC. REFRAIN FROM PROVIDING TIES WITH ACUTE ANGLES. TIES SHOULD BE PULLED AT ANGLES AS CLOSE TO 90 DEGREES AS POSSIBLE. TIES WITH ANGLE TOO ACUTE MAY BE REJECTED.
3) RECORD INFORMATION NEEDS TO BE PROVIDED ON THE APPROPRIATE DESIGN PLANS ON A WEEKLY BASIS. RECORD INFORMATION REGARDING TCE DESIGN ITEMS PLACED ON INAPPROPRIATE DESIGN PLANS WILL NOT BE ACCEPTED.
4) IF ENGINEERING SERVICES FOR BI-WEEKLY REVIEW OF RECORD INFORMATION HAVE NOT BEEN OBTAINED FOR THE PROJECT ALL RECORD INFORMATION FOR TCE DESIGN ITEMS SHALL BE PROVIDED TO TCE WITHIN 7 BUSINESS DAYS OF THE COMPLETION OF THE WORK.
5) PLANS SUBMITTED AT THE END OF THE PROJECT SHALL BE REVIEWED FOR COMPLETENESS. ALL REQUIREMENTS LISTED ABOVE APPLY.
6) IF DESIGN FEATURES WERE INSTALLED EXACTLY PER THE DESIGN PLANS TIES TO THE FEATURE ARE STILL REQUIRED TO BE PROVIDED BY THE CONTRACTOR FOR THE OWNERS USE. ANY FEATURE NOT INDICATED AS DIFFERENT IN RED WILL BE CONSIDERED TO BE EXACTLY PER DESIGN.
7) RECORD INFORMATION SHALL INCLUDE BOTH VERTICAL AND HORIZONTAL LOCATIONS. THIS INCLUDES BUT IS NOT LIMITED TO FINISHED FLOOR ELEVATIONS, RIMS AND INVERTS OF STRUCTURES AND PIPING, INVERTS AT CROSSINGS, ETC.
8) ANY UTILITIES ENCOUNTERED THAT ARE NOT SHOWN ON THE PLANS SHALL BE ADDED TO THE PLANS WITH APPROPRIATE TIES.
9) TIES SHALL INCLUDE ALL UTILITIES INSTALLED BY CONTRACTOR WHICH INCLUDE BUT ARE NOT LIMITED TO SEWER, WATER, STORM, ELECTRIC, CABLE, TELEPHONE, GAS, ETC.
10) RECORD DRAWINGS SHALL BE SUPPLIED ON BOTH HARD COPY AND ELECTRONIC DATA. ELECTRONIC DATA SHALL BE COMPUTER-AIDED DESIGN (CAD) FILES INCLUDING NATIVE FILE FORMATS (DWG).
11) THE CONTRACTOR SHALL SUBMIT ON A WEEKLY BASIS PROJECT PHOTOGRAPHS. THE INFORMATION WILL BE SUBMITTED TO THE ENGINEER IN ELECTRONIC FORMAT WITH EACH PICTURE BEING LABELED BY DATE, LOCATION AND ACTIVITY. AT A MINIMUM THE CONTRACTOR WILL SUBMIT PICTURES OF ALL THURST BLOCKS, CONNECTIONS TO EXISTING FACILITIES AND STRUCTURES BEFORE AND AFTER BACKFILL. PROVIDE AUXILIARY LIGHTING AS REQUIRED TO PRODUCE CLEAR, WELL-LIT PHOTOGRAPHS WITHOUT OBSCURING SHADOWS. THE CONTRACTOR SHALL MAINTAIN ONE CHECK SET OF PHOTOGRAPHS AT THE SITE FOR REFERENCE. UPON REQUEST THE CONTRACTOR SHALL PROVIDE PICTURES OF VARIOUS AREAS DEEMED NECESSARY BY THE ENGINEER OR OWNER.
12) CERTIFICATIONS BY THE ENGINEER AND SUCCESSFUL TEST RESULTS DO NOT RELIEVE THE CONTRACTOR OF FULL COMPLIANCE WITH THE DESIGN PLANS, SPECIFICATIONS AND PERMITS SHOULD A DEFICIENCY BE DISCOVERED AFTER SAID CERTIFICATION OR TESTING.

Project Reference:

LEGEND

Table with 3 columns: EXISTING, TO BE SET, SET. It lists various symbols for FOUND, TO BE SET, and SET conditions.

CONSTRUCTION NOTES:

- 1. CONTRACT DOCUMENTS/PLANS WERE PREPARED BY TRUDELL CONSULTING ENGINEERS (TCE) AND ARE INTENDED TO BE USED IN CONJUNCTION WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, #C-700 PREPARED BY THE ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE (EJCDC), LATEST EDITION, COPIES ARE AVAILABLE AT WWW.NSPFE.ORG/EJCDC.
2. UNDERGROUND IMPROVEMENTS: THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS SHOWN ARE ASSUMED BASED ON RESEARCH, UTILITY PLANS PROVIDED BY OTHERS, AND/OR SURFACE EVIDENCE AVAILABLE AND WERE OBTAINED IN A MANNER CONSISTENT WITH THE ORDINARY STANDARD OF PROFESSIONAL CARE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE DESIGN ENGINEER.
3. DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS: IF CONTRACTOR BELIEVES THAT ANY SUBSURFACE OR PHYSICAL CONDITION AT OR CONTIGUOUS TO THE SITE THAT IS UNCOVERED OR REVEALED EITHER: (1) IS OF SUCH A NATURE AS TO ESTABLISH THAT ANY "TECHNICAL DATA" ON WHICH CONTRACTOR RELIED IS MATERIALLY INACCURATE; OR (2) IS OF SUCH A NATURE AS TO REQUIRE A CHANGE IN THE PLANS/CONTRACT DOCUMENTS; OR (3) DIFFERS MATERIALLY FROM THAT SHOWN OR INDICATED IN THE PLANS/CONTRACT DOCUMENTS; OR (4) IS OF AN UNUSUAL NATURE, AND DIFFERS MATERIALLY FROM CONDITIONS ORDINARILY ENCOUNTERED AND GENERALLY RECOGNIZED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLANS/CONTRACT DOCUMENTS; THEN CONTRACTOR SHALL, PROMPTLY AFTER BECOMING AWARE THEREOF AND BEFORE FURTHER DISTURBING THE SUBSURFACE OR PHYSICAL CONDITIONS OR PERFORMING ANY WORK IN CONNECTION THEREWITH (EXCEPT IN AN EMERGENCY), NOTIFY OWNER AND ENGINEER ABOUT SUCH CONDITION. CONTRACTOR SHALL NOT FURTHER DISTURB SUCH CONDITION OR PERFORM ANY WORK IN CONNECTION THEREWITH (EXCEPT AS AFORESAID) UNTIL RECEIPT OF WRITTEN ORDER TO DO SO.
4. UTILITIES: PRIVATE AND PUBLIC UTILITIES SUCH AS ELECTRIC, TELEPHONE, GAS, CABLE, FIBER OPTIC, ETC. ARE THE RESPONSIBILITY OF THE RESPECTIVE UTILITY COMPANY. ANY INFORMATION SHOWN BY TCE SHOULD BE CONSIDERED PRELIMINARY (USUALLY TO ASSIST WITH PERMITTING), FINAL DESIGN, CONSTRUCTION AND MAINTENANCE ARE THE RESPONSIBILITY OF RESPECTIVE UTILITY COMPANIES. COMPLIANCE WITH EASEMENTS AND REGULATIONS (STATE AND LOCAL) ARE THE RESPONSIBILITY OF RESPECTIVE UTILITY COMPANY.
5. DIGSAFE: IN ACCORDANCE WITH VERMONT STATE LAW (VSA TITLE 30 CHAPTER 86 AND PSB RULE 3.800) THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT DIGSAFE SYSTEMS, INC., "DIGSAFE", AT LEAST 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, BUT NOT MORE THAN 30 DAYS BEFORE COMMENCING EXCAVATION ACTIVITIES, EXCEPT IN AN EMERGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRE-MARKING THE SITE AND MAINTAINING DESIGNATED MARKINGS. FOR MORE INFORMATION ON DIGSAFE REQUIREMENTS SEE WWW.DIGSAFE.COM
6. JOBSITE SAFETY: NEITHER THE PROFESSIONAL ACTIVITIES OF TRUDELL CONSULTING ENGINEERS (TCE), NOR THE PRESENCE OF TCE OR ITS EMPLOYEES AND SUB CONSULTANTS AT A CONSTRUCTION SITE, SHALL RELIEVE THE GENERAL CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. TCE AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CLIENT AGREES THAT THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND WARRANTS THAT THIS INTENT SHALL BE MADE EVIDENT IN THE CLIENT'S AGREEMENT WITH THE GENERAL CONTRACTOR. THE CLIENT ALSO AGREES THAT THE CLIENT, TCE AND TCE'S CONSULTANTS SHALL BE INDEMNIFIED AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY.
7. CODES AND STANDARDS COMPLIANCE: TCE SHALL EXERCISE USUAL AND CUSTOMARY PROFESSIONAL CARE IN ITS EFFORTS TO COMPLY WITH CODES, STANDARDS, REGULATIONS, AND ORDINANCES IN EFFECT. THE OWNER ACKNOWLEDGES THAT SUCH REQUIREMENTS MAY BE SUBJECT TO VARIOUS AND CONTRADICTORY INTERPRETATIONS. TCE, THEREFORE, WILL USE ITS REASONABLE PROFESSIONAL EFFORTS AND JUDGMENT TO INTERPRET APPLICABLE REQUIREMENTS AS THEY APPLY TO THE PROJECT. TCE, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE PROJECT WILL COMPLY WITH ALL INTERPRETATIONS OF SUCH REQUIREMENTS.
8. CONSTRUCTION OBSERVATION: TCE MAY VISIT THE PROJECT AT APPROPRIATE INTERVALS DURING CONSTRUCTION TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF THE CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PRECEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE OWNER HAS NOT RETAINED TCE TO MAKE DETAILED INSPECTIONS OR TO PROVIDE EXHAUSTIVE OR CONTINUOUS PROJECT REVIEW AND OBSERVATION SERVICES. TCE DOES NOT GUARANTEE THE PERFORMANCE OF, AND SHALL NOT HAVE RESPONSIBILITY FOR, THE ACTS OR OMISSIONS OF ANY CONTRACTOR, SUB-CONTRACTOR, SUPPLIER OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT. TCE SHALL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK NOR HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF THE CONTRACTOR. IF THE OWNER DESIRES MORE EXTENSIVE PROJECT OBSERVATION OR FULL-TIME PROJECT REPRESENTATION, THE OWNER SHALL REQUEST SUCH SERVICES BE PROVIDED BY TCE AS ADDITIONAL SERVICES.
9. UTILITIES SHOWN ARE APPROXIMATE AND DO NOT NECESSARILY REPRESENT ALL UTILITIES LOCATED ON OR ADJACENT TO THE AREA SURVEYED. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONFLICTS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
10. ALL EXISTING UTILITIES NOT INCORPORATED INTO THE FINAL DESIGN ARE TO BE REMOVED OR ABANDONED AS INDICATED ON THE PLANS.
11. THE CONTRACTOR SHALL MAINTAIN AS-BUILT PLANS (WITH TIES) FOR ALL UNDERGROUND UTILITIES. THOSE PLANS SHALL BE SUBMITTED TO THE OWNER AT THE COMPLETION OF THE PROJECT.
12. THE CONTRACTOR SHALL REPAIR/RESTORE ALL DISTURBED AREAS (ON OR OFF THE SITE) AS A DIRECT OR INDIRECT RESULT OF THE CONSTRUCTION.
13. ALL GRASSED AREAS SHALL BE MAINTAINED UNTIL FULL VEGETATION IS ESTABLISHED.
14. MAINTAIN ALL TREES OUTSIDE OF CONSTRUCTION LIMITS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY FOR COMPLETE AND OPERABLE FACILITIES AND UTILITIES.
16. IN ADDITION TO THE REQUIREMENTS SET IN THESE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL COMPLETE THE WORK IN ACCORDANCE WITH ALL PERMIT CONDITIONS, LOCAL PUBLIC WORKS STANDARDS AND ALL CONSTRUCTION SAFETY REGULATIONS.
17. ANY DEWATERING NECESSARY FOR THE COMPLETION OF THE SITE WORK SHALL BE CONSIDERED AS PART OF THE CONTRACT AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
18. IF THERE ARE ANY CONFLICTS OR INCONSISTENCIES WITH THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR VERIFICATION BEFORE WORK CONTINUES ON THE ITEM(S) IN QUESTION.

CONSTRUCTION PHASE:

LISTED BELOW IS A BRIEF SUMMARY OF CONSTRUCTION PHASE REQUIREMENTS. THIS LIST IS NOT INTENDED TO BE ALL-INCLUSIVE. CONSTRUCTION SPECIFICATIONS, PERMIT REQUIREMENTS AND SUBSEQUENT CONTRACTUAL AGREEMENTS FROM PARTIES INVOLVED SHALL PREVAIL.

PRE-CONSTRUCTION

- OWNER TO ESTABLISH SCOPE OF SERVICES WITH PROJECT ENGINEER(S)
OWNER TO IDENTIFY WORK SCOPE AND SCHEDULE
UPON OWNER REQUEST, ASSIST WITH CONTRACTOR BID AND SELECTION PROCESS
FINALIZE PLANS FOR CONSTRUCTION READINESS INCLUDING SPECIFICATIONS
MEETING BETWEEN OWNER, ENGINEER(S), CONTRACTOR(S), ARCHITECT(S), REGULATORY AUTHORITIES AND OTHER PERTINENT PARTIES TO REVIEW AND DISCUSS THE WORK

PRE-CONSTRUCTION MEETING

- CONTRACTOR TO IDENTIFY SUBCONTRACTORS
CONTRACTOR TO ESTABLISH SCHEDULE
CONTRACTOR TO DESIGNATE RESPONSIBLE PERSONNEL
CONFIRM PROCEDURE FOR RFIs, CHANGE ORDERS, EXTRAS AND PAY REQUESTS
CONTRACTOR TO SUBMIT SHOP DRAWINGS
CONTRACTOR TO OUTLINE SAFETY, SECURITY, AND WORKING HOURS
CONTRACTOR OR OWNER TO IDENTIFY TESTING COMPANY

CONSTRUCTION PHASE

- INITIAL CONTROL SUPPLIED BY OWNER AND CONTRACTOR RESPONSIBLE FOR LAYOUT
OWNER TO PROVIDE PROJECT ENGINEER TO OBSERVE CONSTRUCTION PERIODICALLY, DURING CRITICAL PHASES AND TESTING.
WEEKLY JOB MEETINGS DURING CONSTRUCTION
OWNER TO PROVIDE PROJECT ENGINEER TO REVIEW AND DISCUSS PLANS, ANSWER QUESTIONS, RESPOND TO CHANGES AND OTHER BUSINESS COMMON TO CONSTRUCTION SERVICES.
OBSERVE TESTING AND COLLECT RESULTS
OWNER AND CONTRACTOR TO COMPLY WITH PERMITS

GENERAL NOTES:

- THE GENERAL CONTRACTOR IS REQUIRED TO CONFORM TO THE STRICTEST INTERPRETATION OF THE CONTRACT DRAWING, SPECIFICATION, PERMITS AND CONSTRUCTION CONTRACT. ALL EARTH MATERIAL RECEIVED OR DISPOSED FROM OUTSIDE SOURCES SHALL COMPLY WITH APPLICABLE PERMITS AND REGULATIONS. SHOP DRAWING SUBMITTALS SHALL INCLUDE CONTRACTOR'S CERTIFICATION STATEMENT OF COMPLIANCE AND COPIES OF RELEVANT PERMITS FOR OUTSIDE SOURCES.
CONTRACTOR SHALL PAY FOR ALL REQUIRED TESTING. THIS SHALL INCLUDE BUT IS NOT LIMITED TO: SOIL TESTING, COMPACTION TESTING, SIEVE ANALYSIS, CONCRETE TESTING, ASPHALT PENETRATION TESTING, BACTERIOLOGICAL TESTING FOR WATER AND OTHER TESTING AS PART OF STANDARD PRACTICE FOR A CONSTRUCTION PROJECT OF THIS NATURE, UNLESS INDICATED OTHERWISE AND APPROVED BY THE OWNER.

Owner:

MONTPELIER PUBLIC SCHOOLS
HIGH SCHOOL MAIN
5 HIGH SCHOOL DRIVE
MONTPELIER, VERMONT 05602
PHONE: (802) 225-8000

Civil Engineer:

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WILLISTON, VT 05495
PHONE: (802)879-6331



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Revisions

Table with 3 columns: No., Description, Date, By. Row 1: Addendum No. 1, 06/25/14, SMM

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For Bidding Only

Project Title

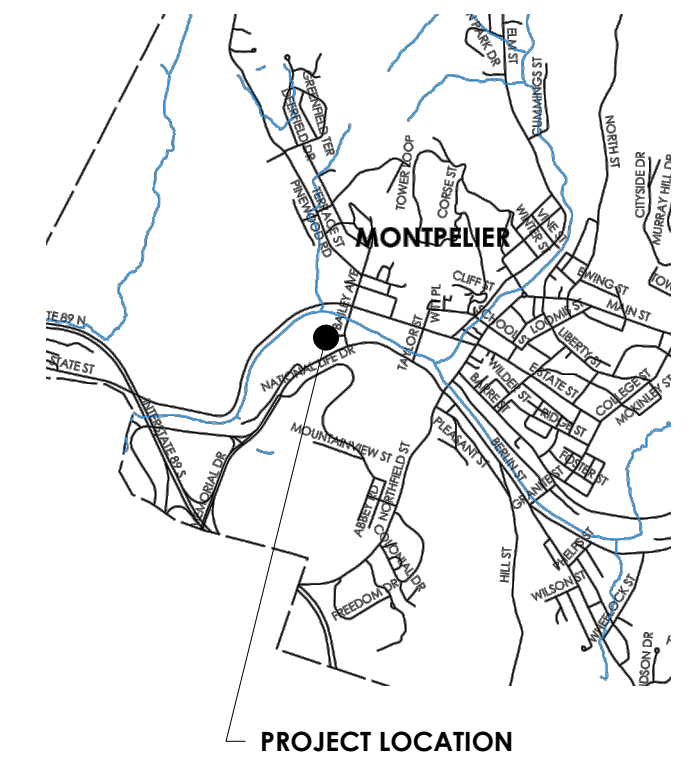
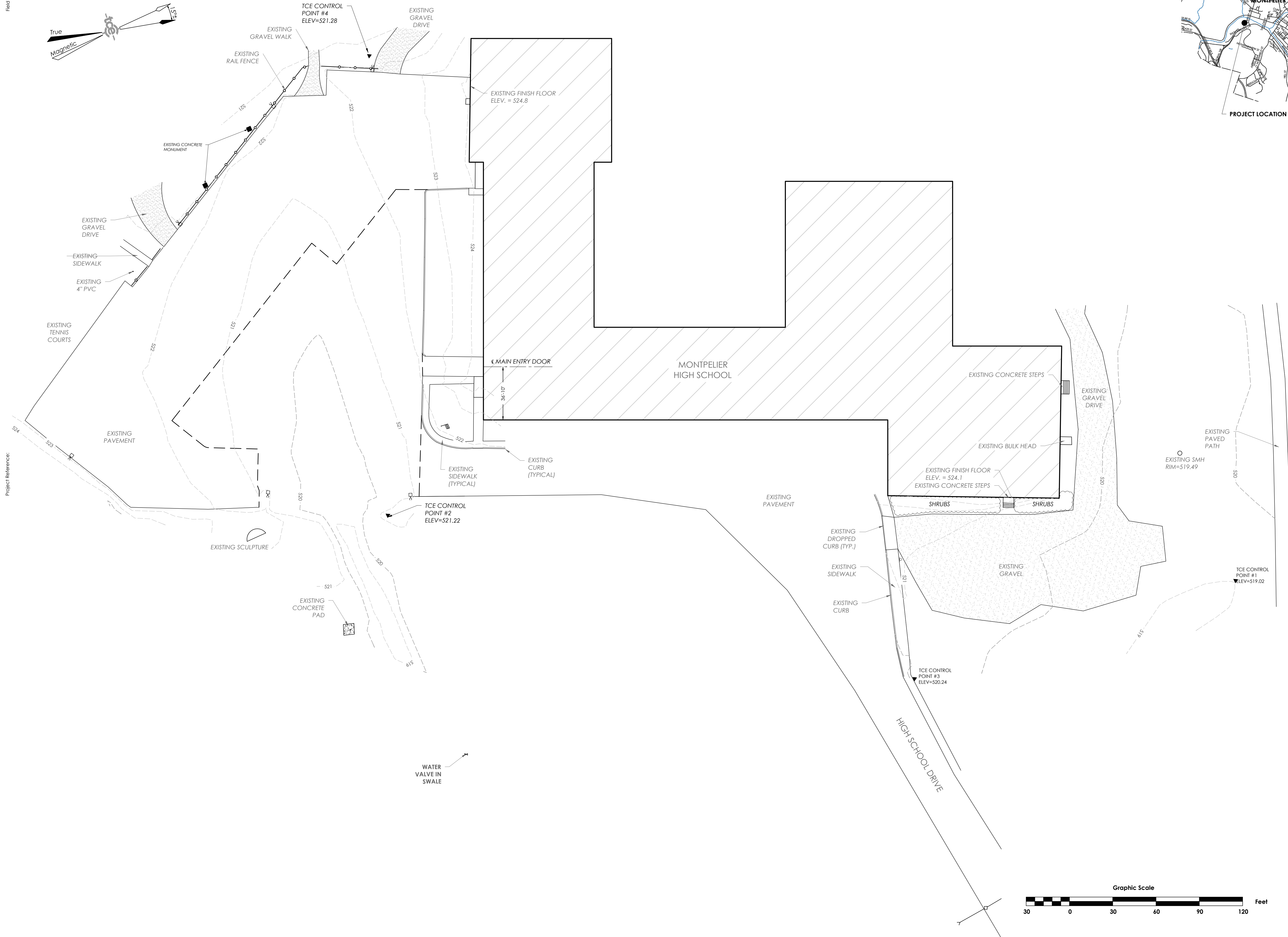
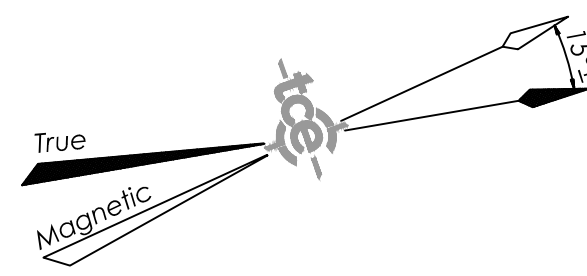
Montpelier Public High School Main Parking Lot Improvements
5 High School Drive
Montpelier, VT

Sheet Title

Legend and Notes

Table with 2 columns: Field, Value. Date: 06/12/2014, Scale: AS SHOWN, Project Number: 13-056, Drawn By: RMP, Project Engineer: SMM, Approved By:

C1-00



Revisions	No.	Description	Date	By
	1	Addendum No. 1	06/25/14	SMM

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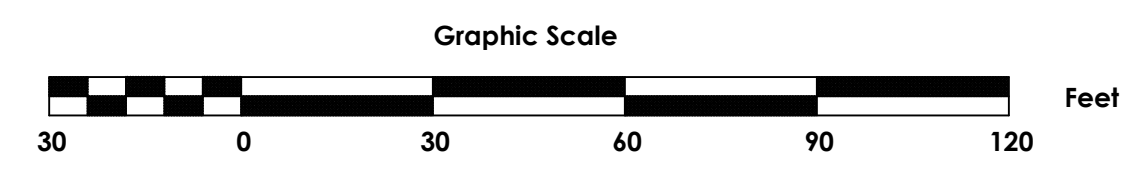


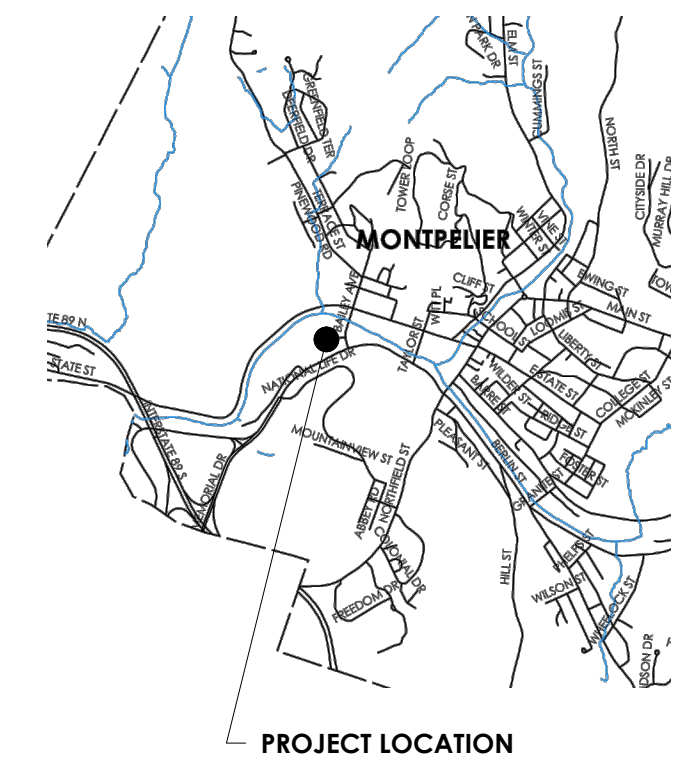
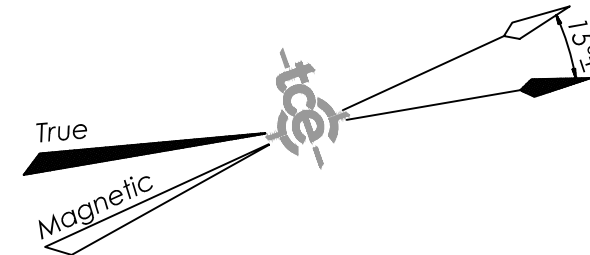
For Bidding Only

Project Title
Montpelier Public High School Main Parking Lot Improvements
5 High School Drive
Montpelier, VT

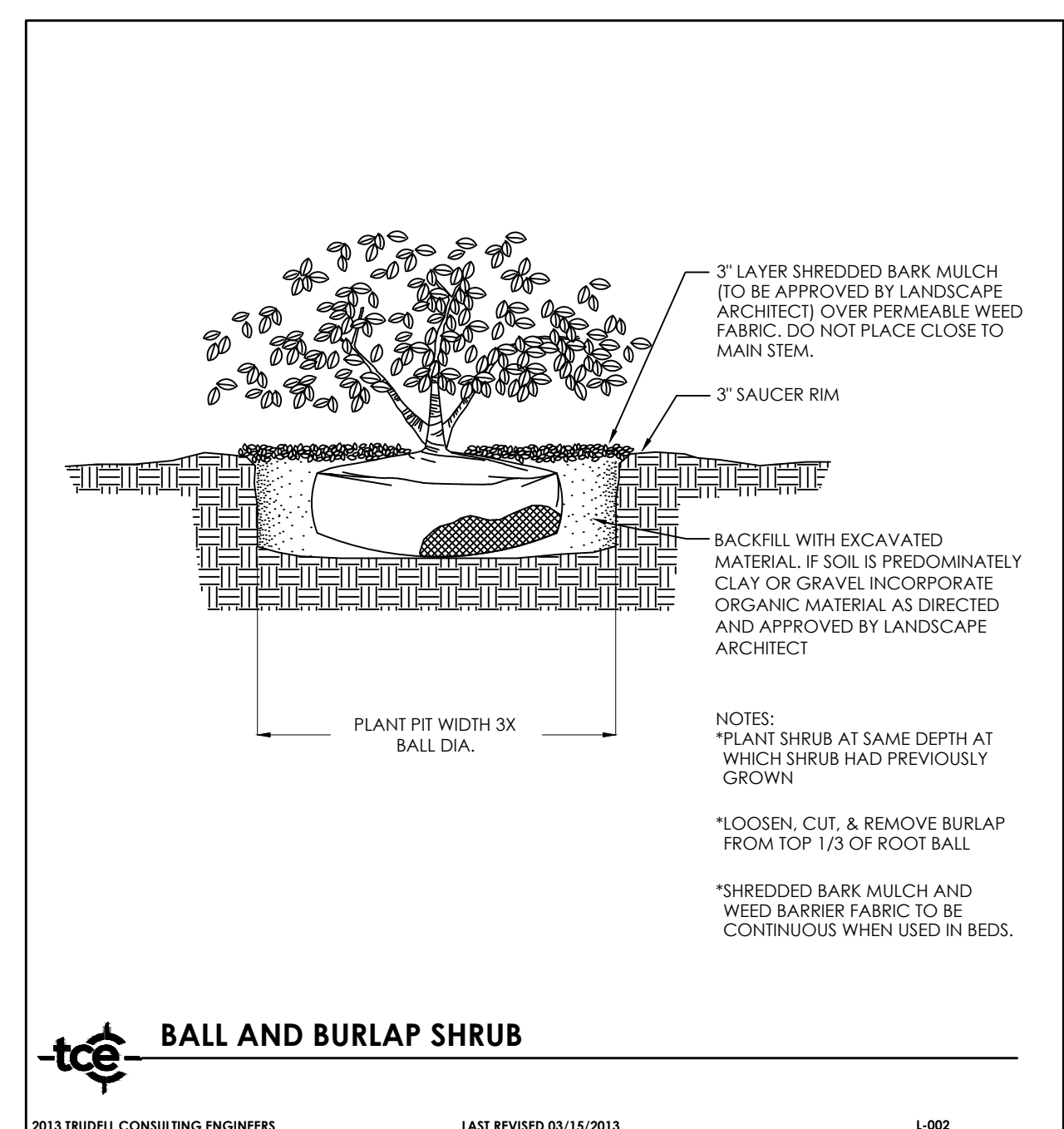
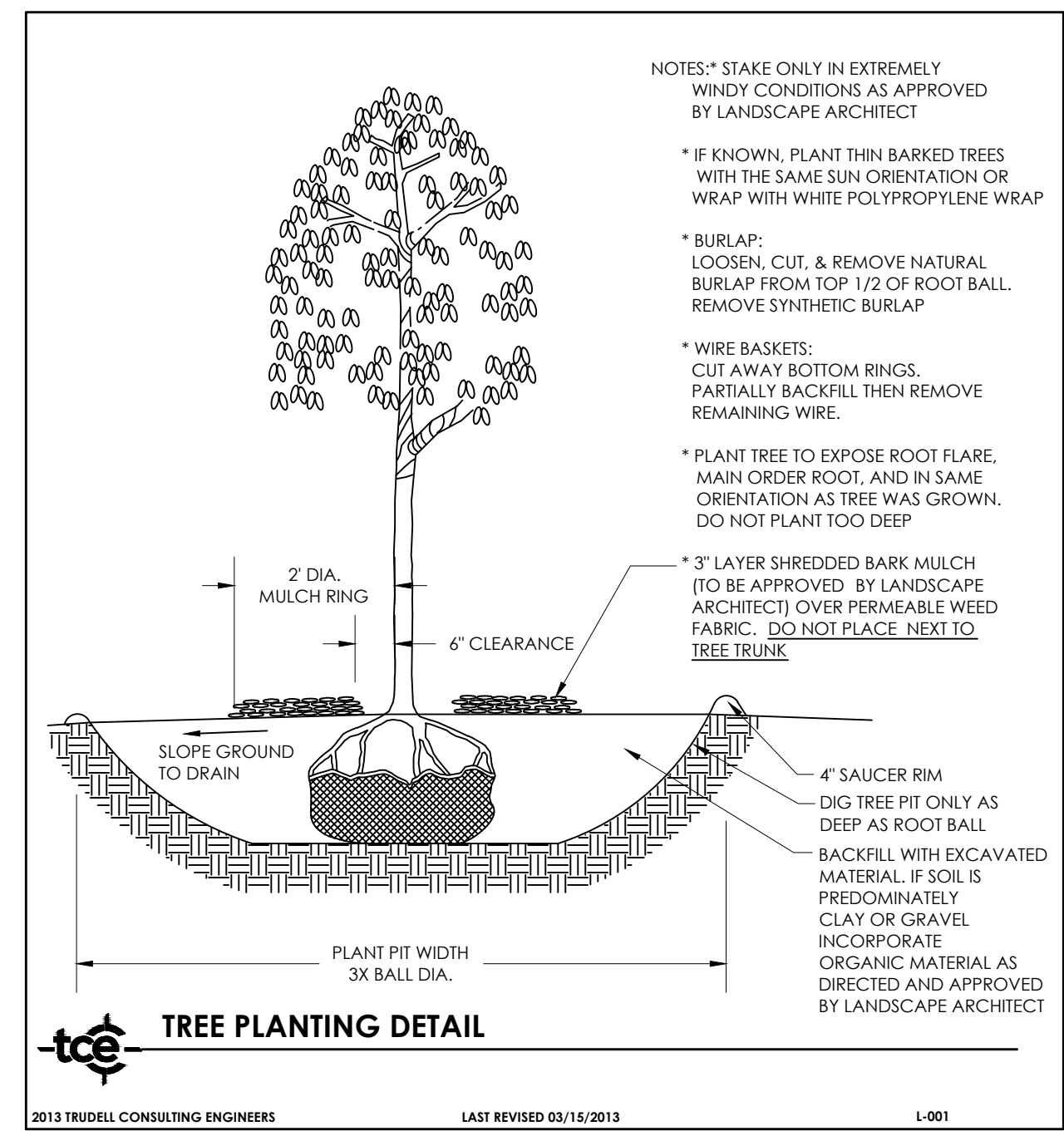
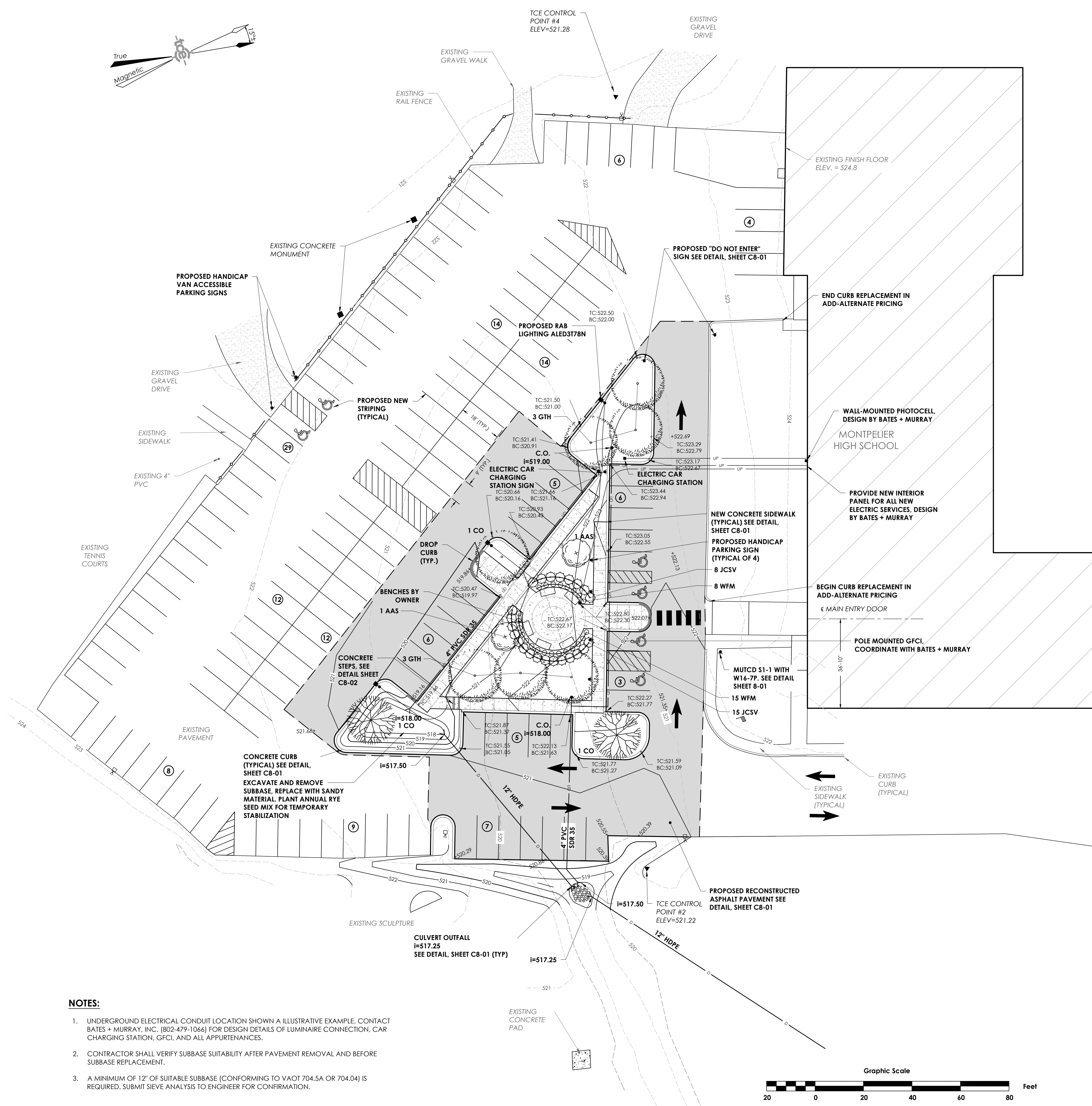
Existing Conditions & Demolition Plan

Date:	06/12/2014
Scale:	1" = 30'
Project Number:	13-056
Drawn By:	RMP
Project Engineer:	SMM
Approved By:	





Revisions	No.	Description	Date	By
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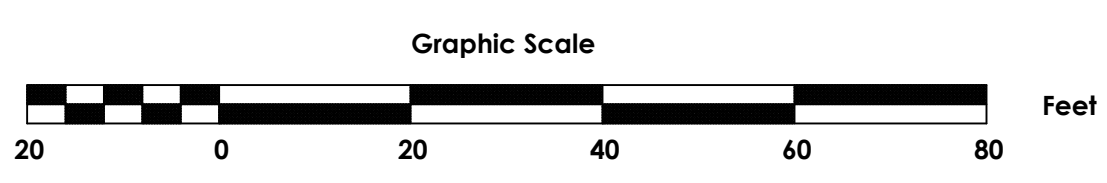
Project Title
Montpelier Public High School Main Parking Lot Improvements
 5 High School Drive
 Montpelier, VT

Sheet Title

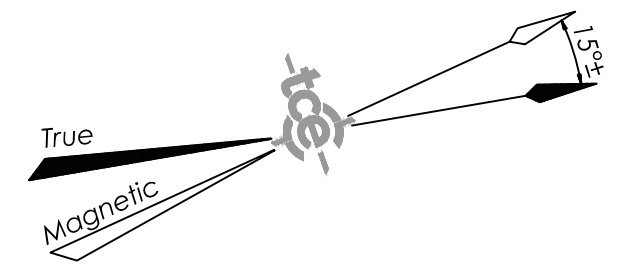
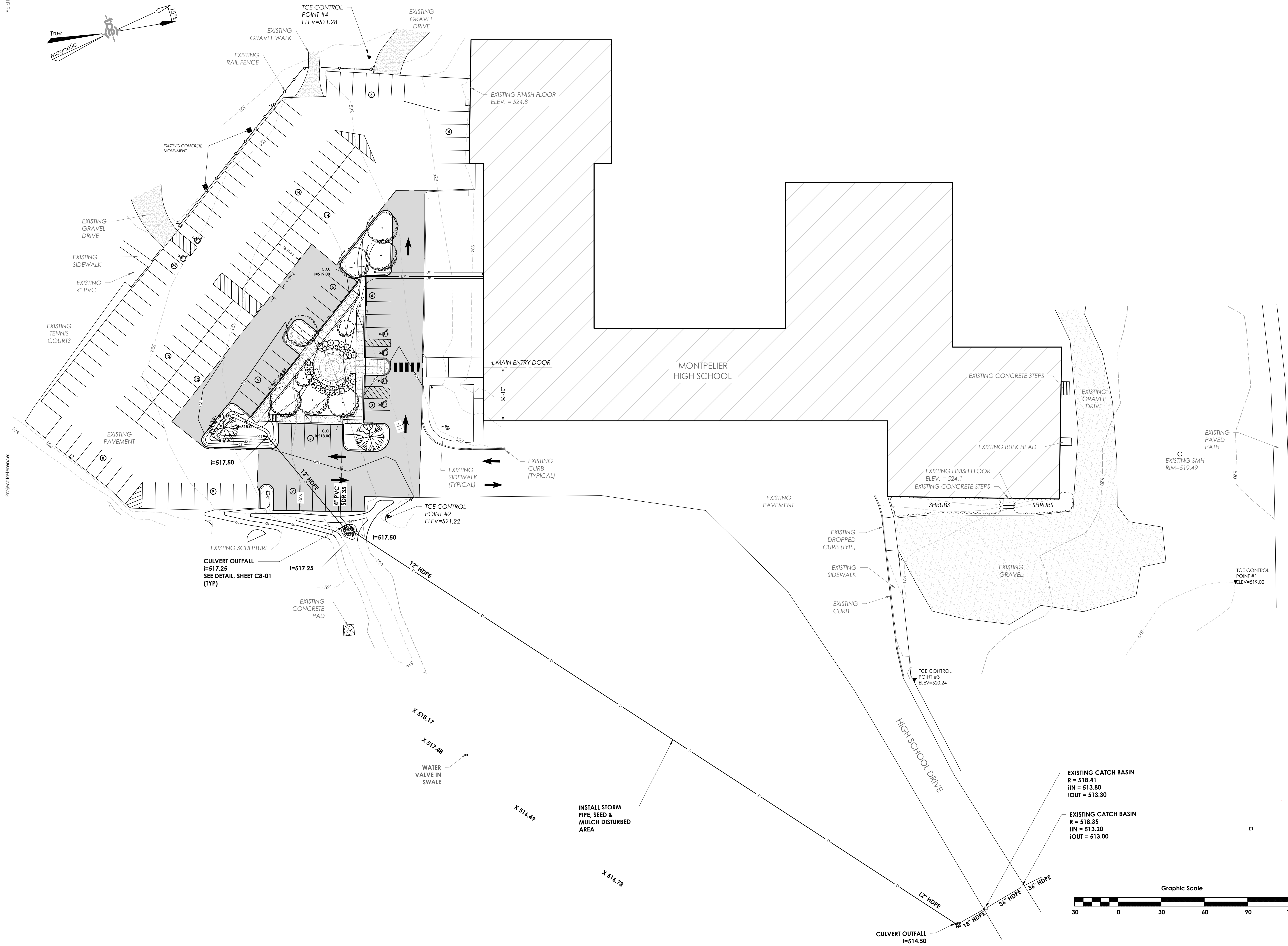
Site Plan

Date:	06/12/2014
Scale:	1" = 20'
Project Number:	13-056
Drawn By:	RMP
Project Engineer:	SMM
Approved By:	

KEY	SCIENTIFIC NAME	COMMON NAME	QUAN.	SIZE	COMMENTS
AAS	<i>Amelanchier x grandiflora</i>	Autumn Sunset Serviceberry	2	10 gal.	Multi-stem
CO	<i>Celtis occidentalis</i>	Common Hackberry	2	2"-2 1/2"	B&B
GTH	<i>Gleditsia triacanthos</i>	Halka Honeylocust	7	2"-2 1/2"	B&B
JCSV	<i>Juniperus chinensis</i>	Sargent Green Juniper	23	2 gal.	CONT.
WFM	<i>Weigela florida</i>	Dwarf Pink Weigela	23	3 gal.	CONT.



C2-01



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 802.879.4331 | WWW.TCEVT.COM

Revisions	No.	Description	Date	By
	1	Addendum No. 1	06/25/14	SMM

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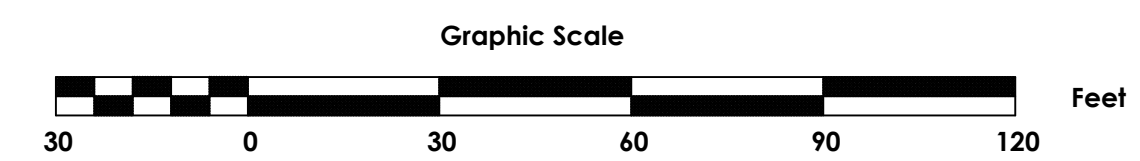
Project Title
Montpelier Public High School Main Parking Lot Improvements
 5 High School Drive
 Montpelier, VT

Sheet Title
Site Plan

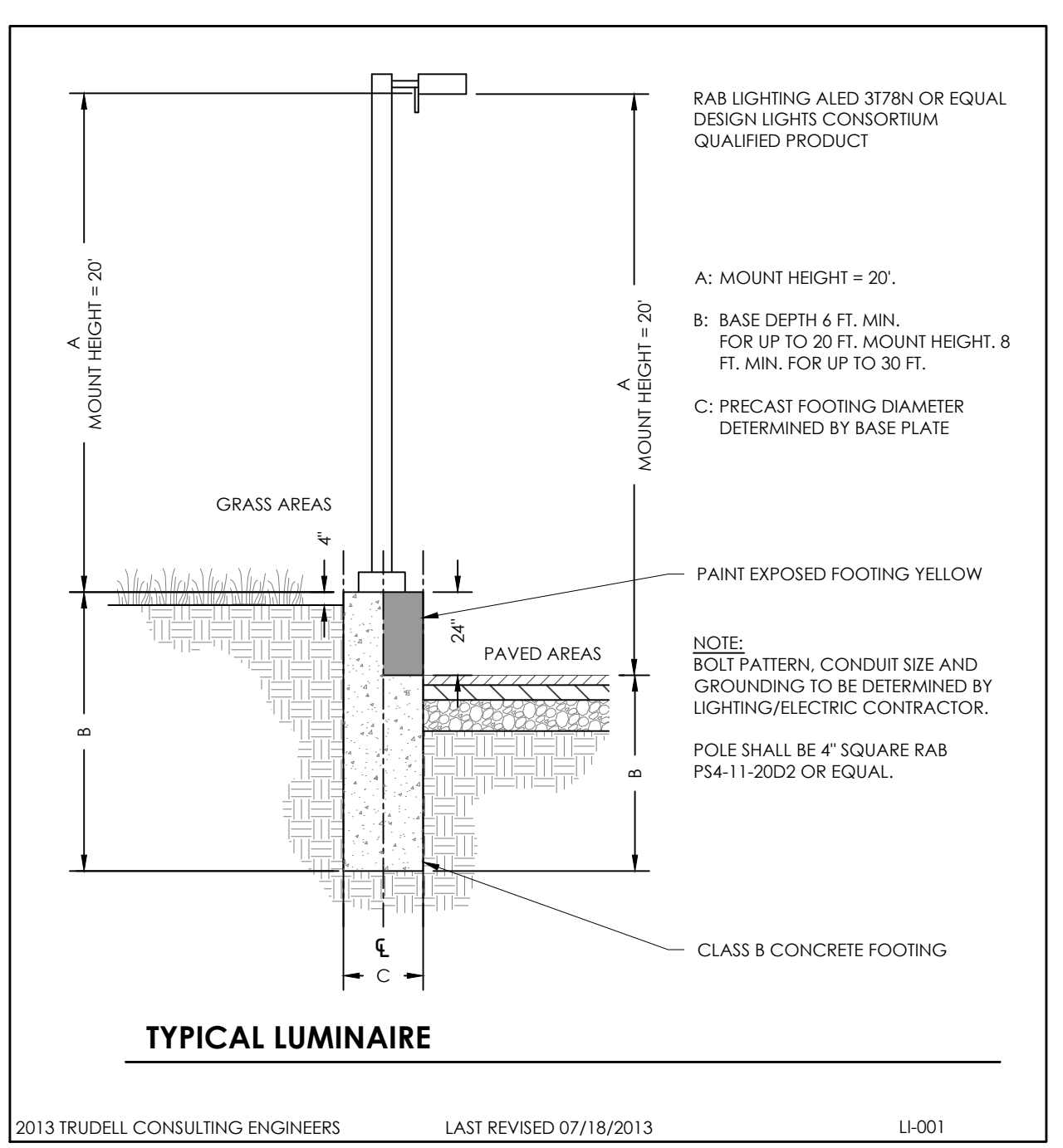
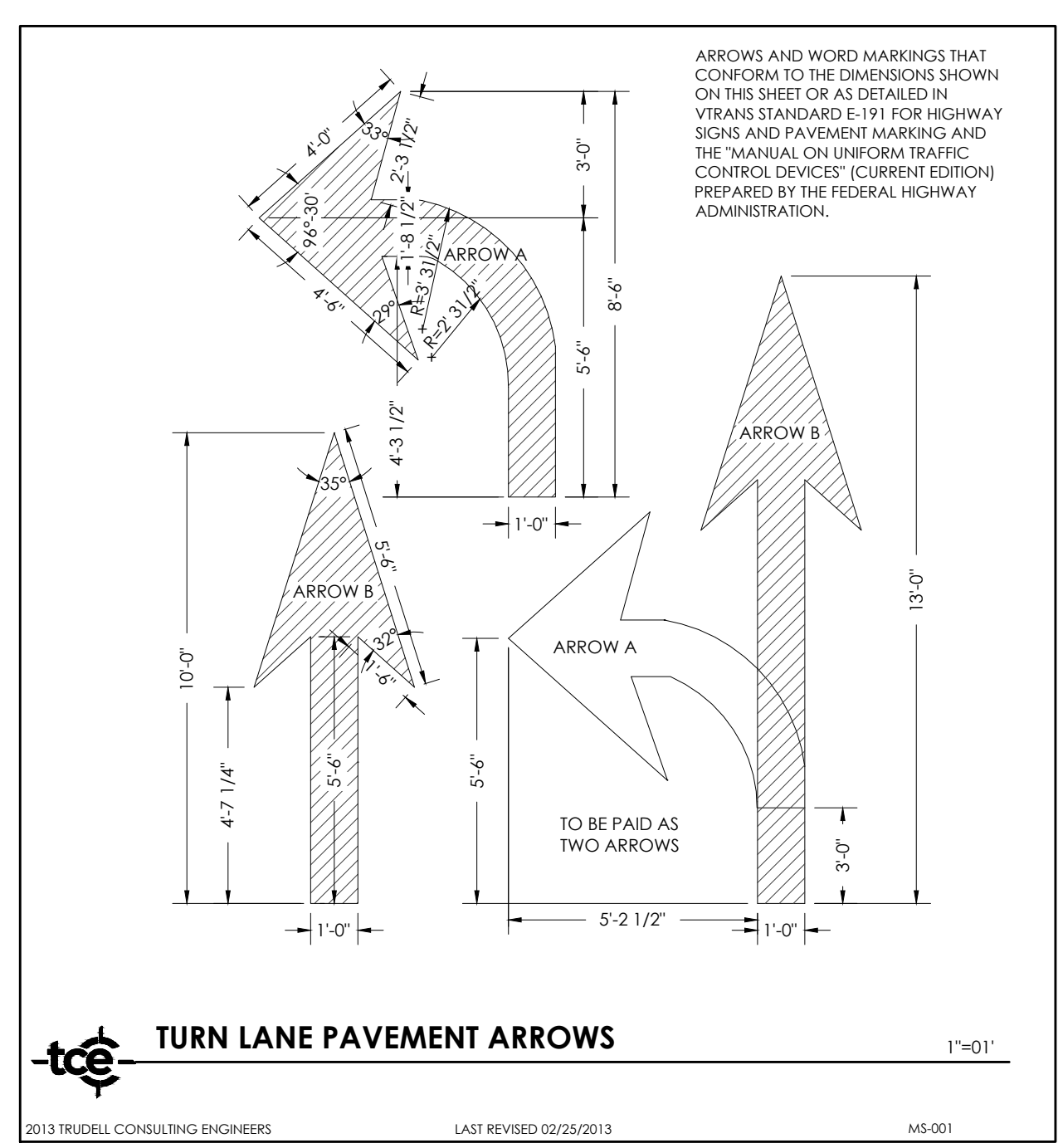
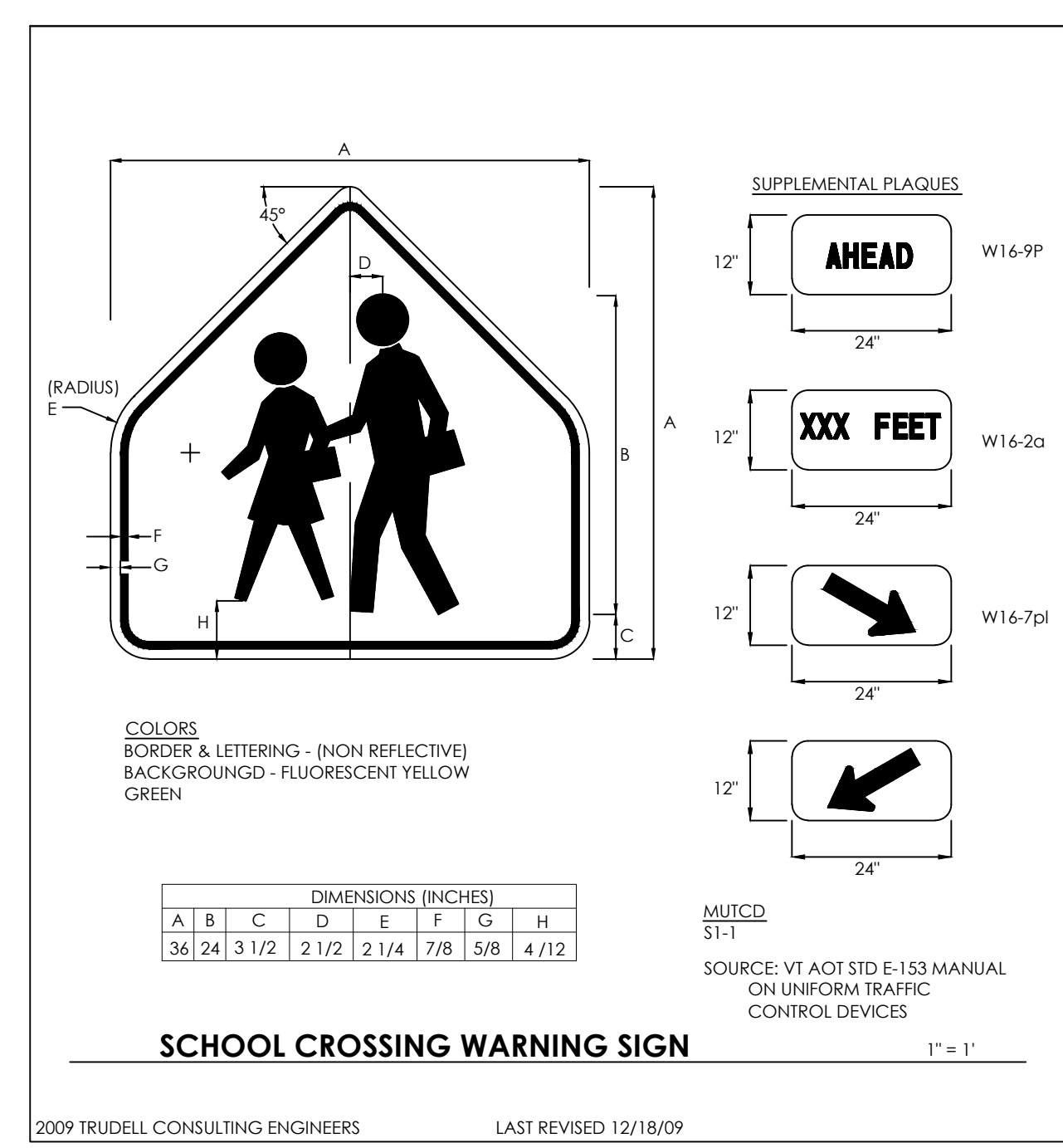
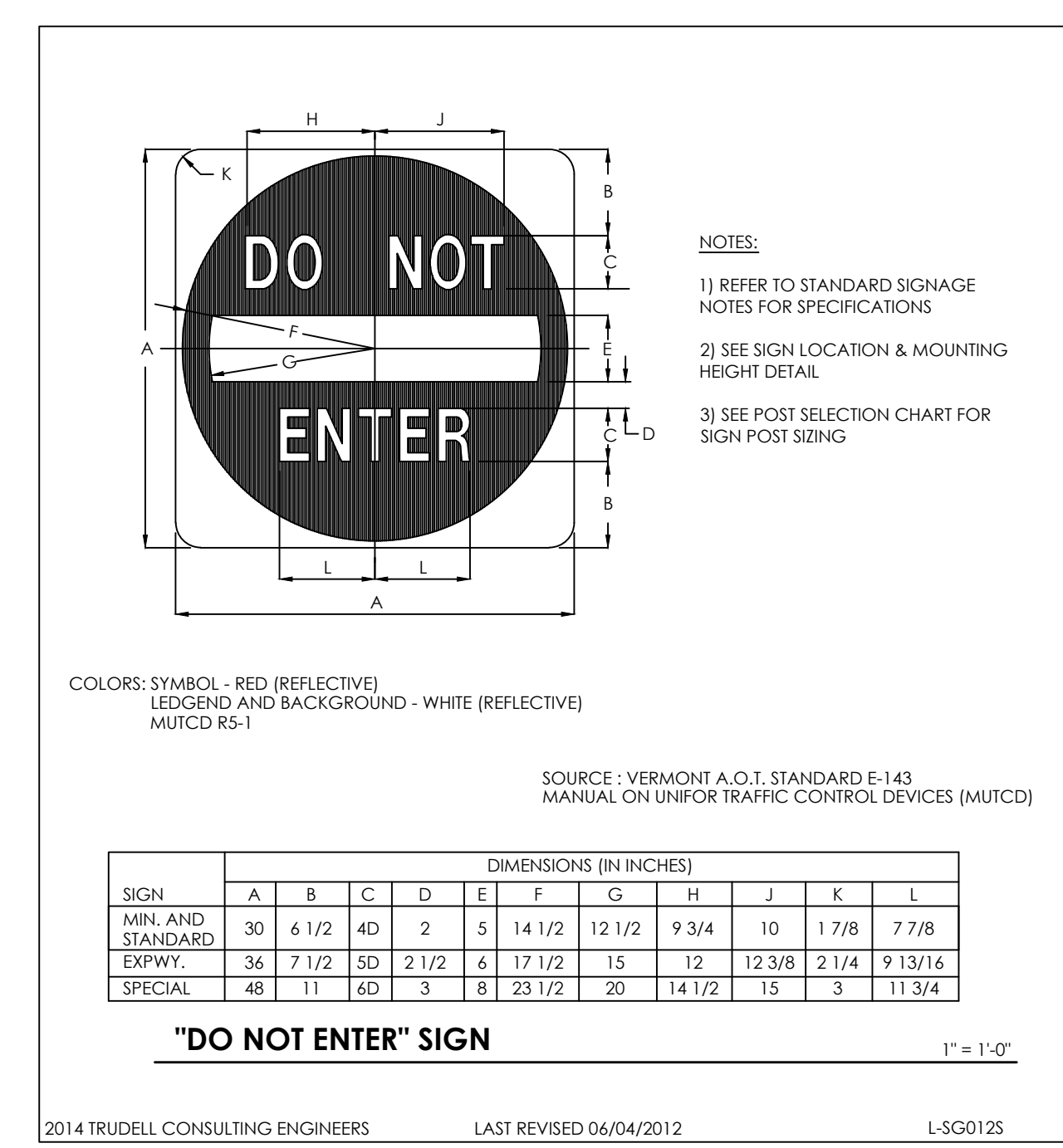
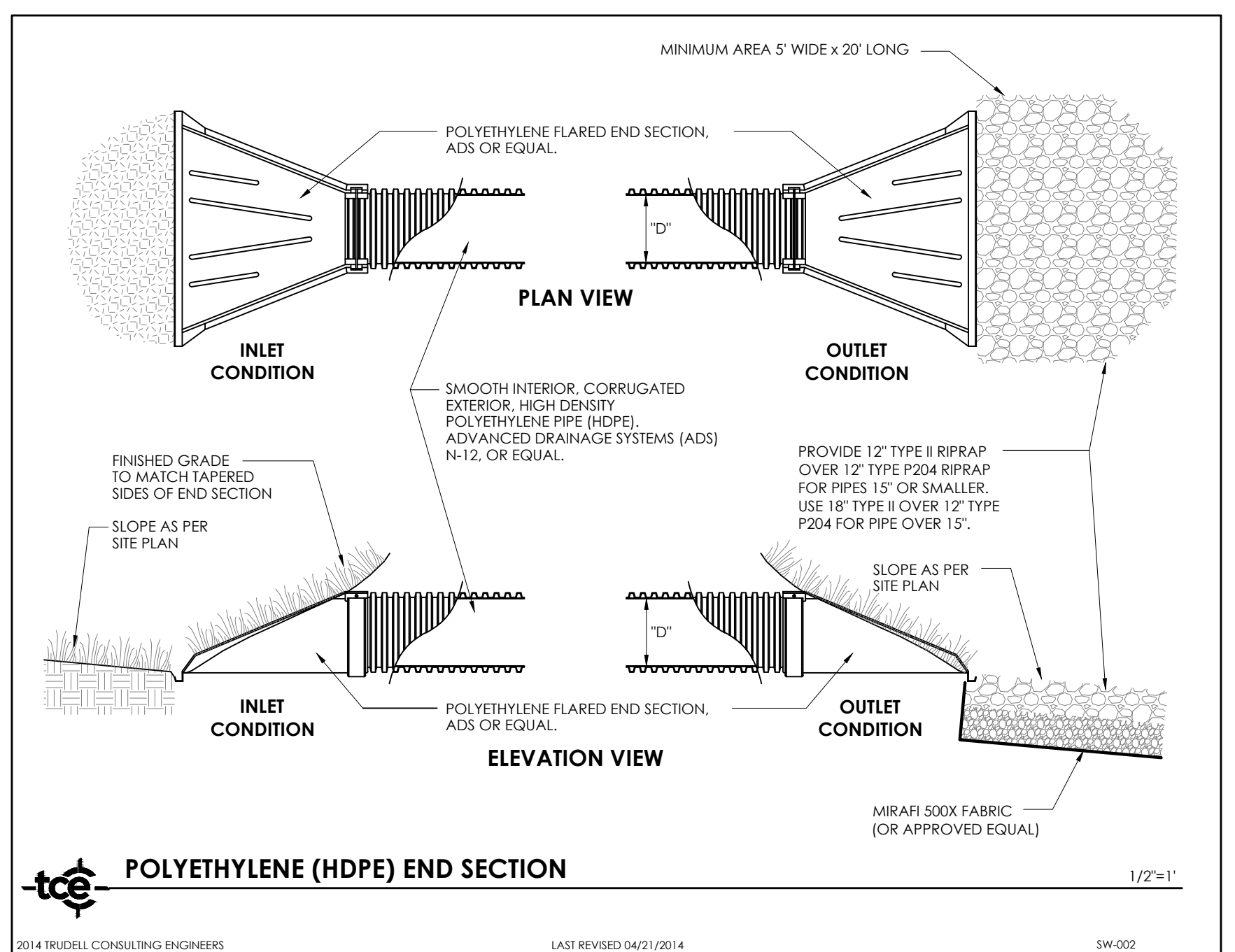
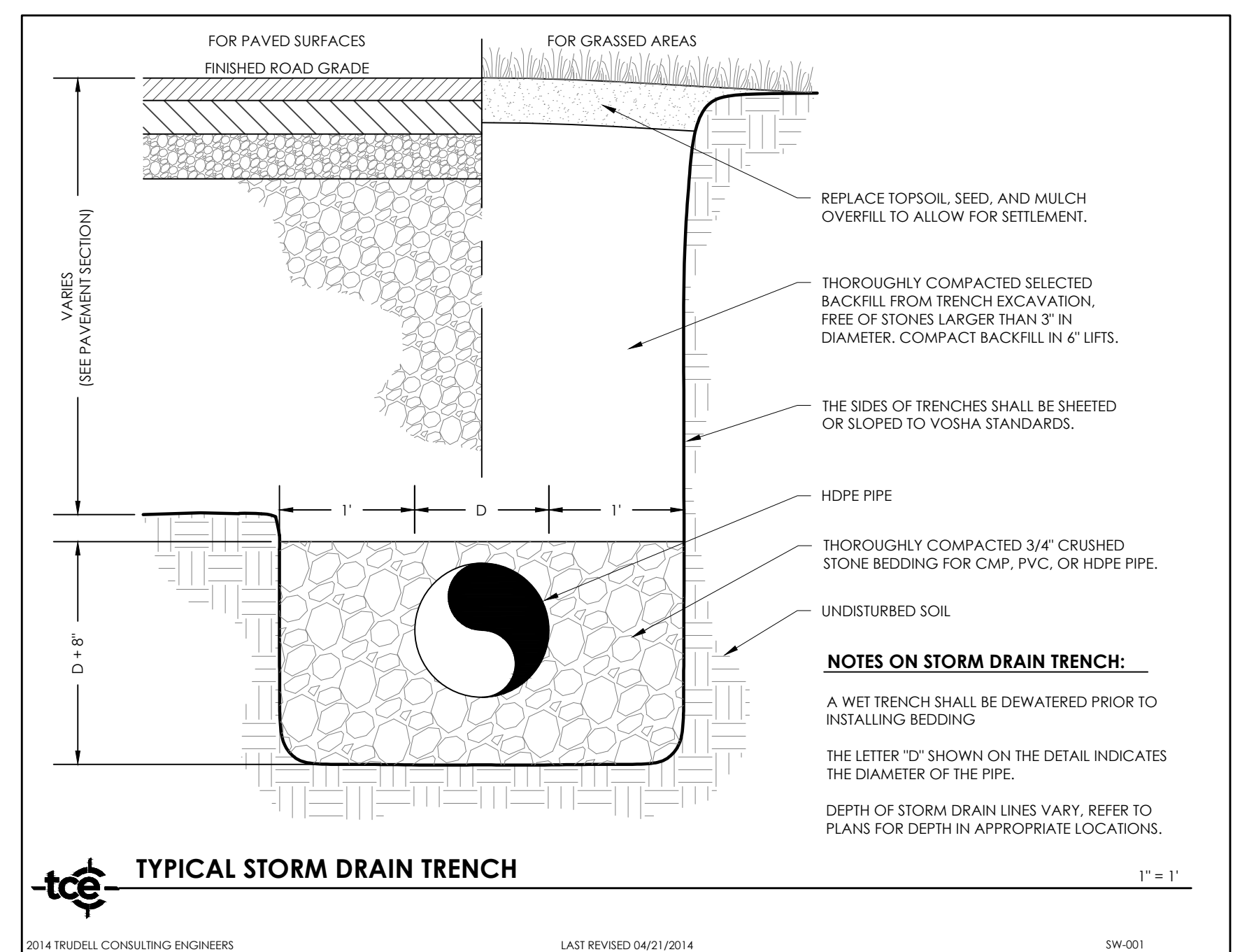
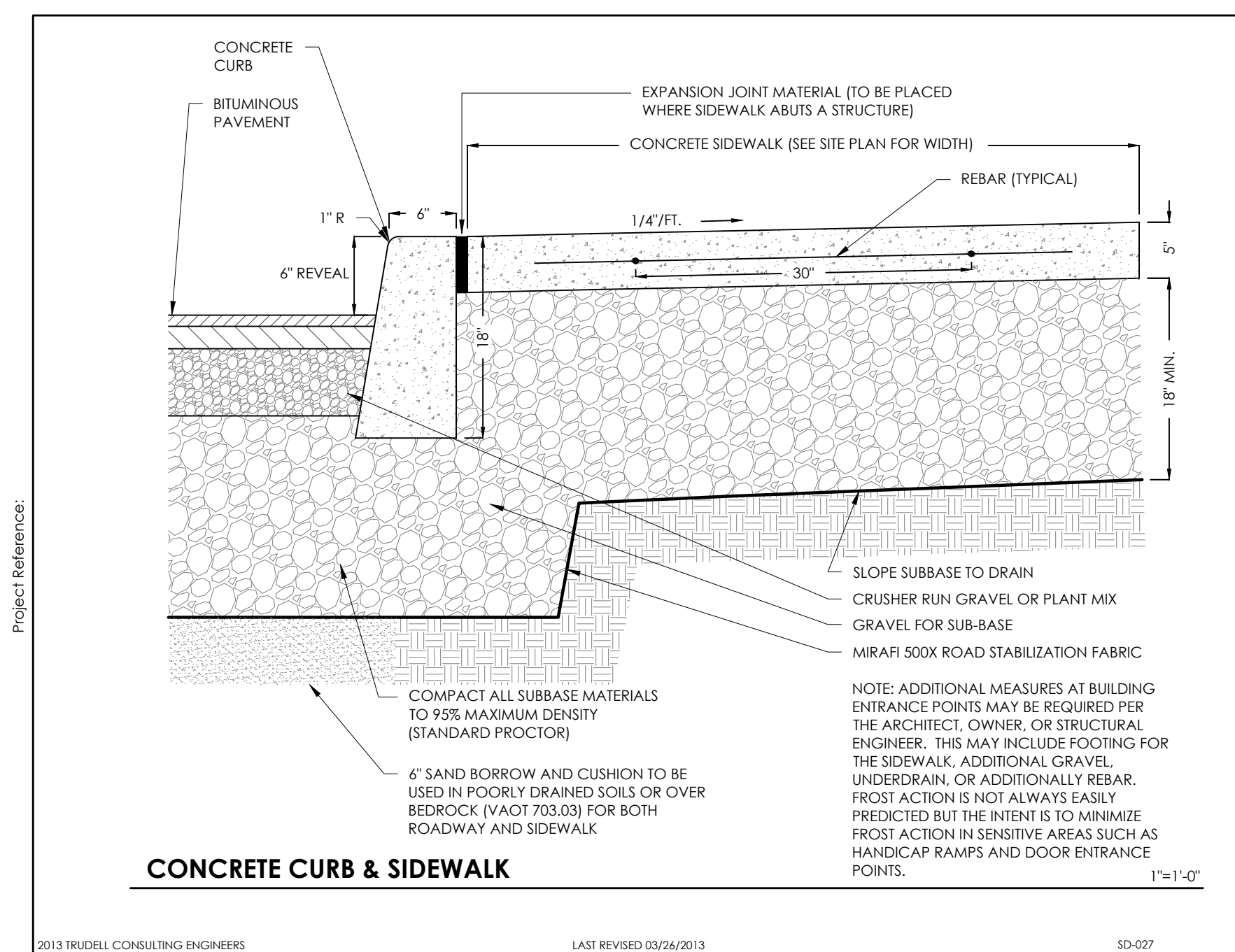
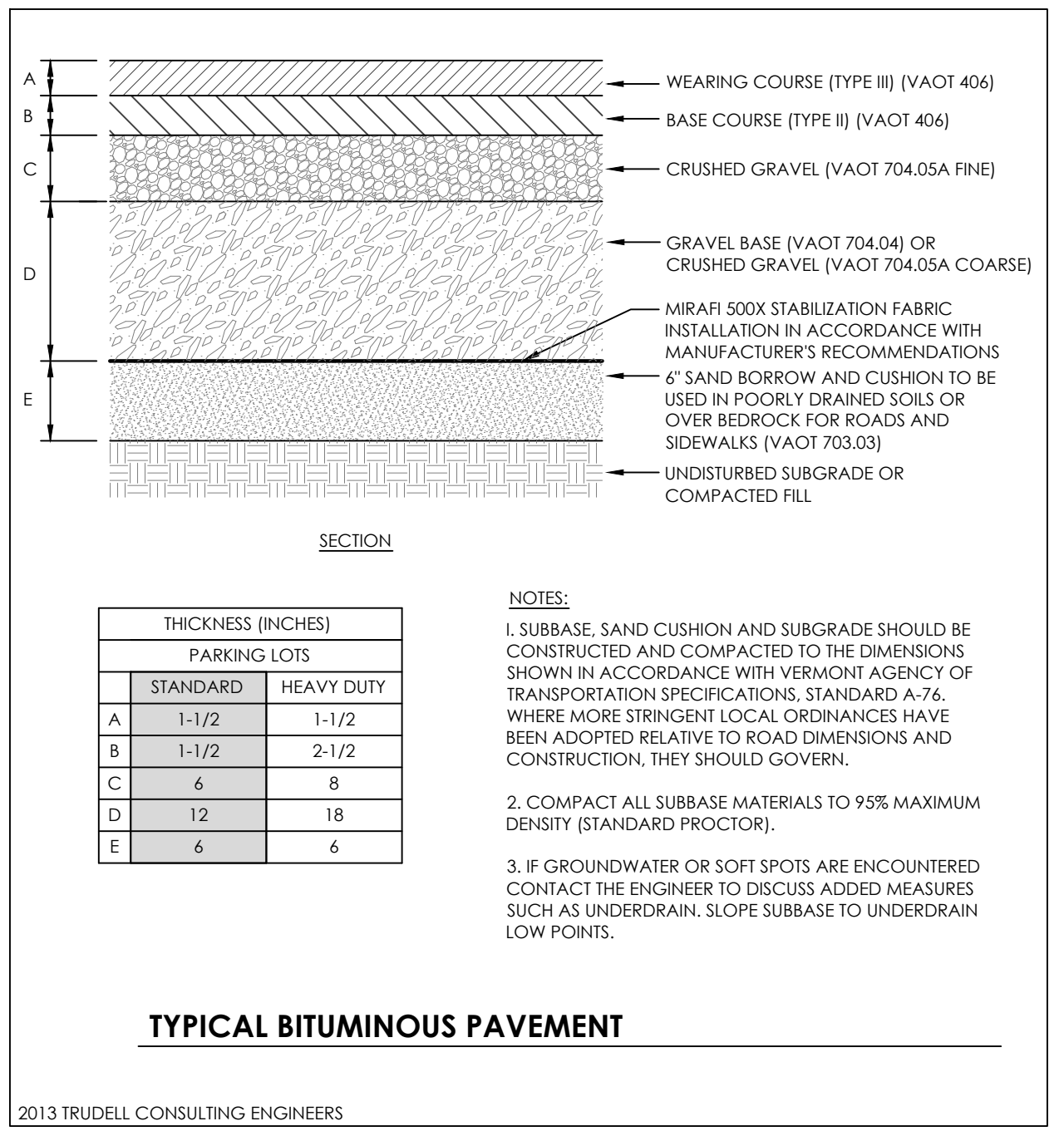
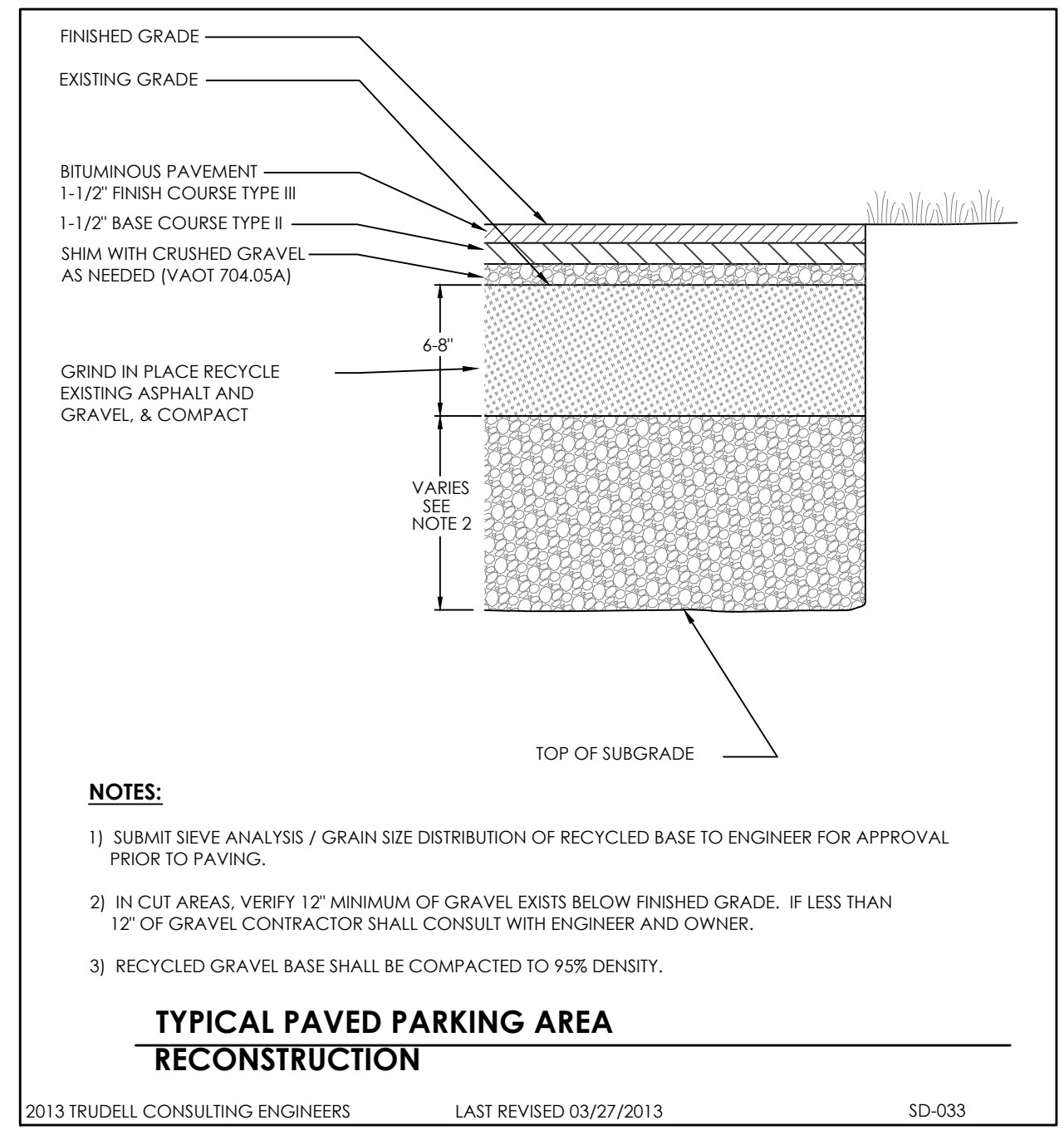
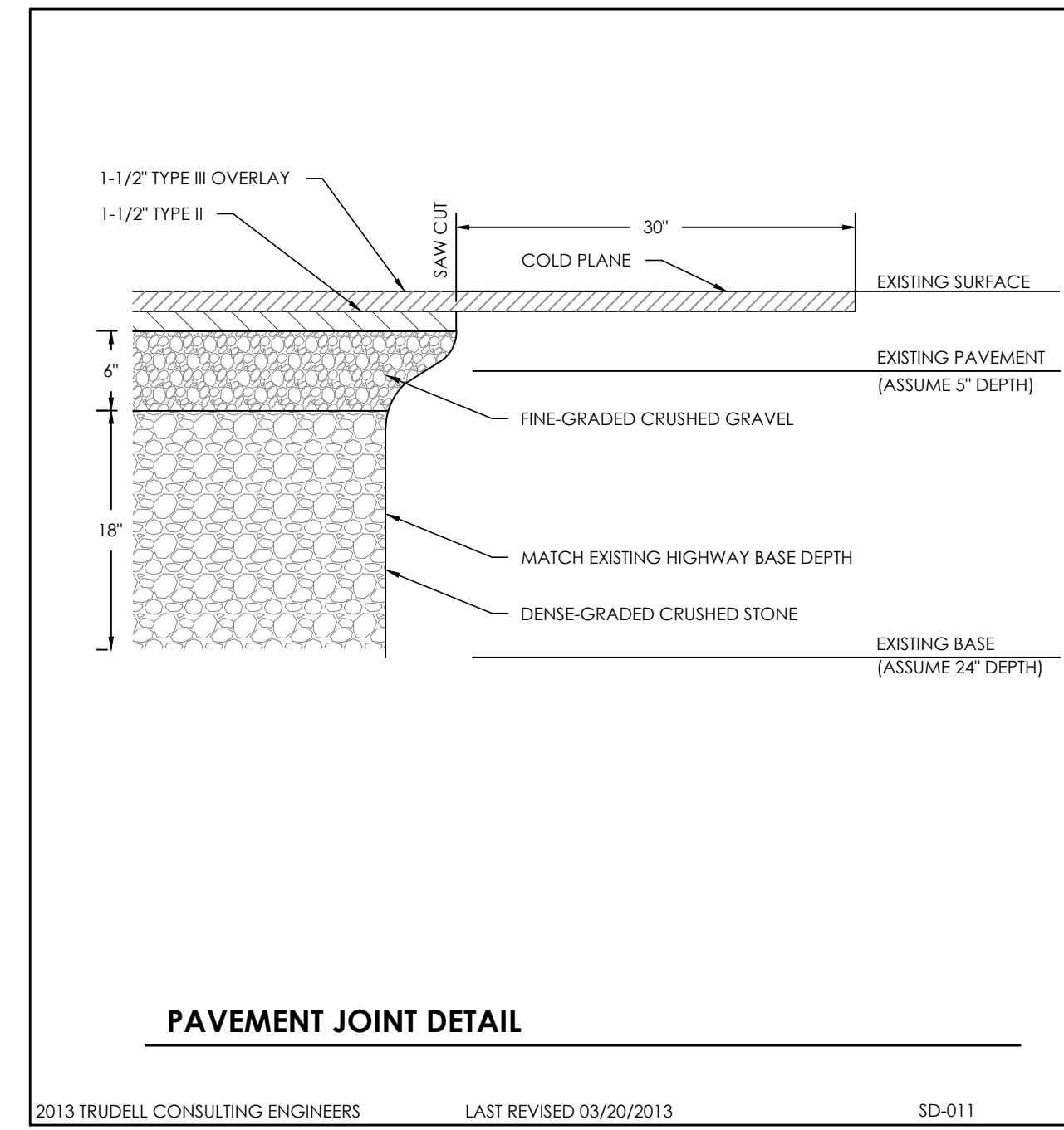
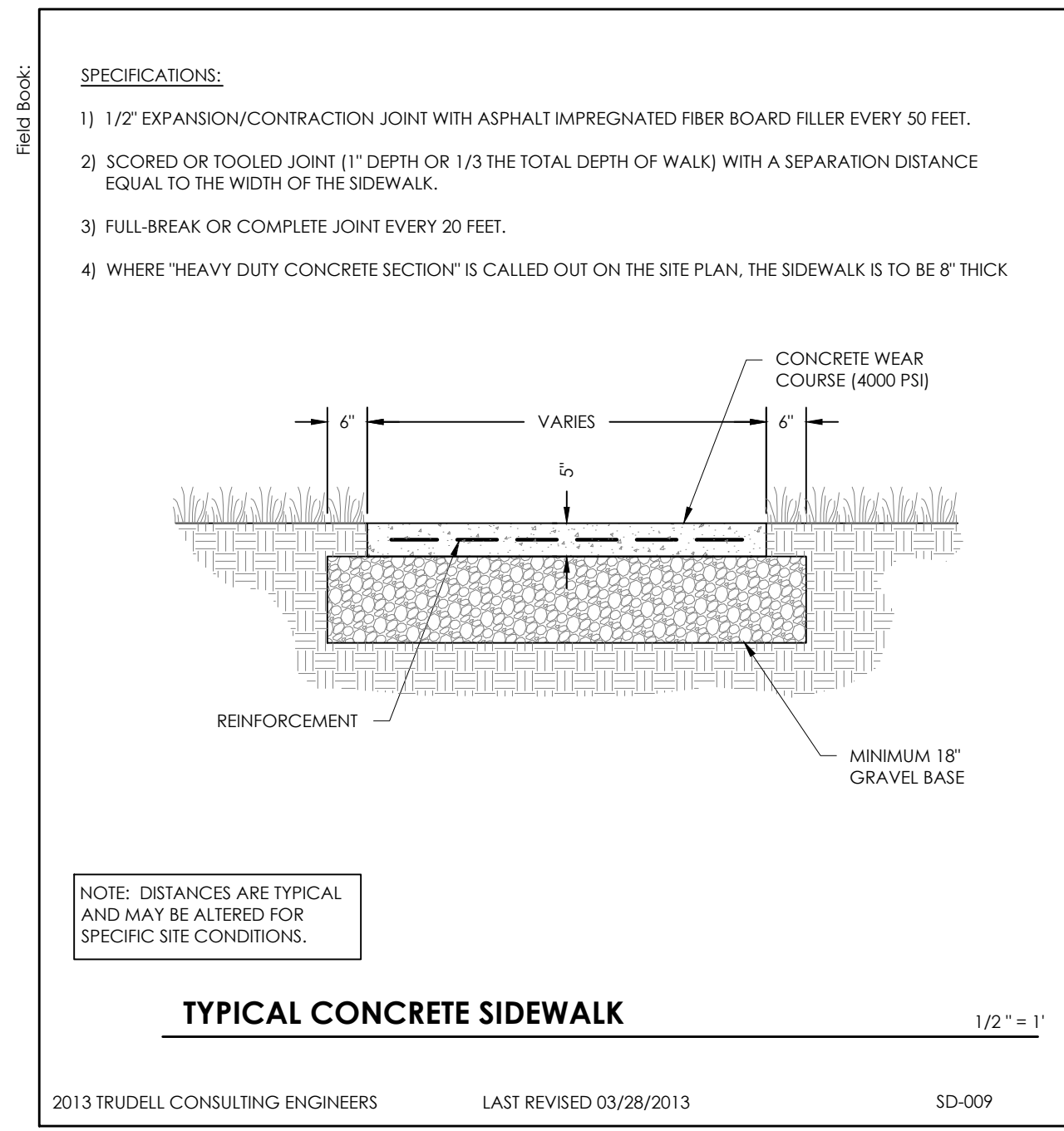
Date:	6/12/2014
Scale:	1" = 30'
Project Number:	13-056
Drawn By:	RMP
Project Engineer:	SMM
Approved By:	

EXISTING CATCH BASIN
 R = 518.41
 IIN = 513.80
 IOUT = 513.30

EXISTING CATCH BASIN
 R = 518.35
 IIN = 513.20
 IOUT = 513.00



C2-02



Revisions	Description	Date	By
1	Addendum No. 1	06/25/14	SMM

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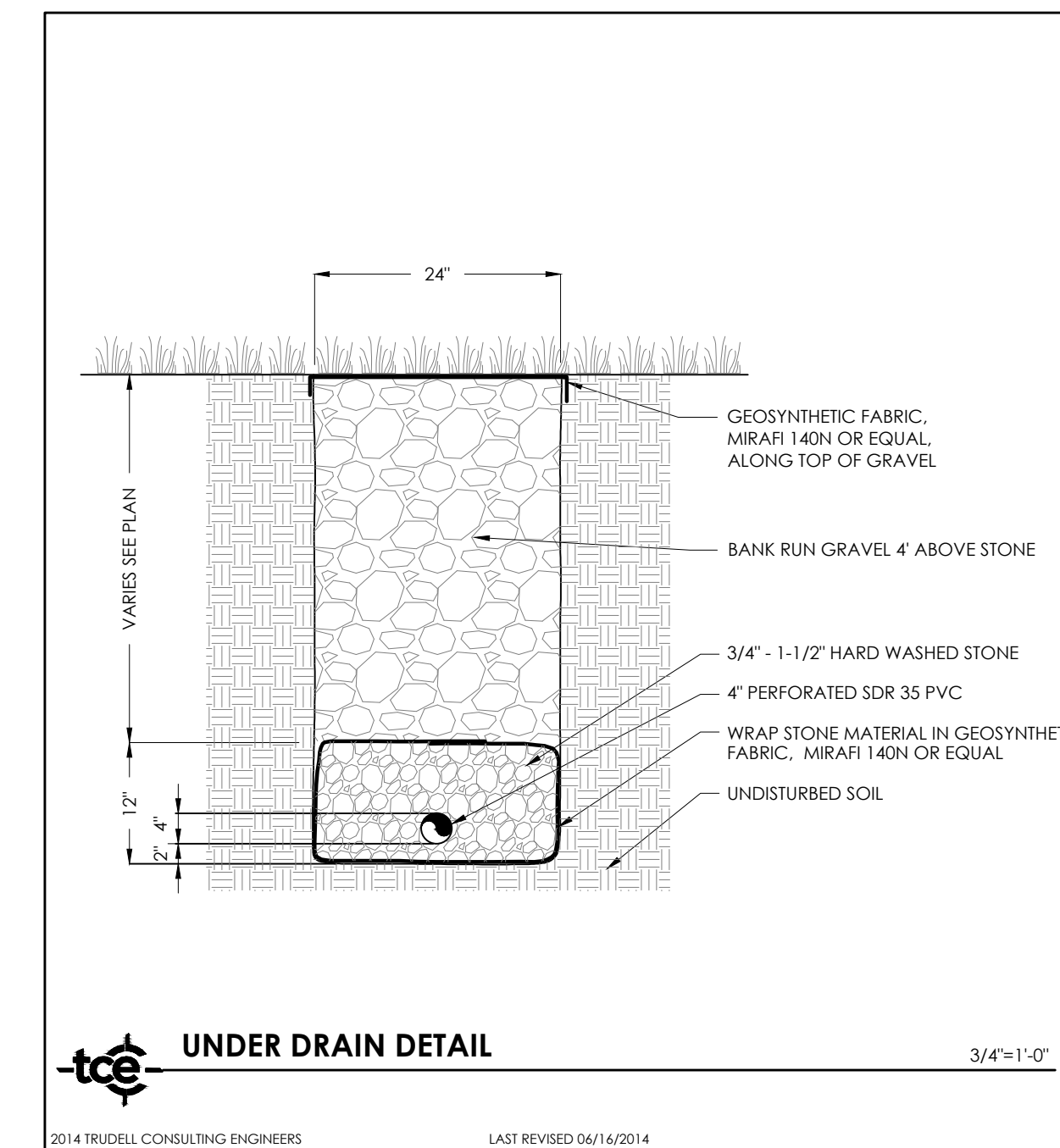
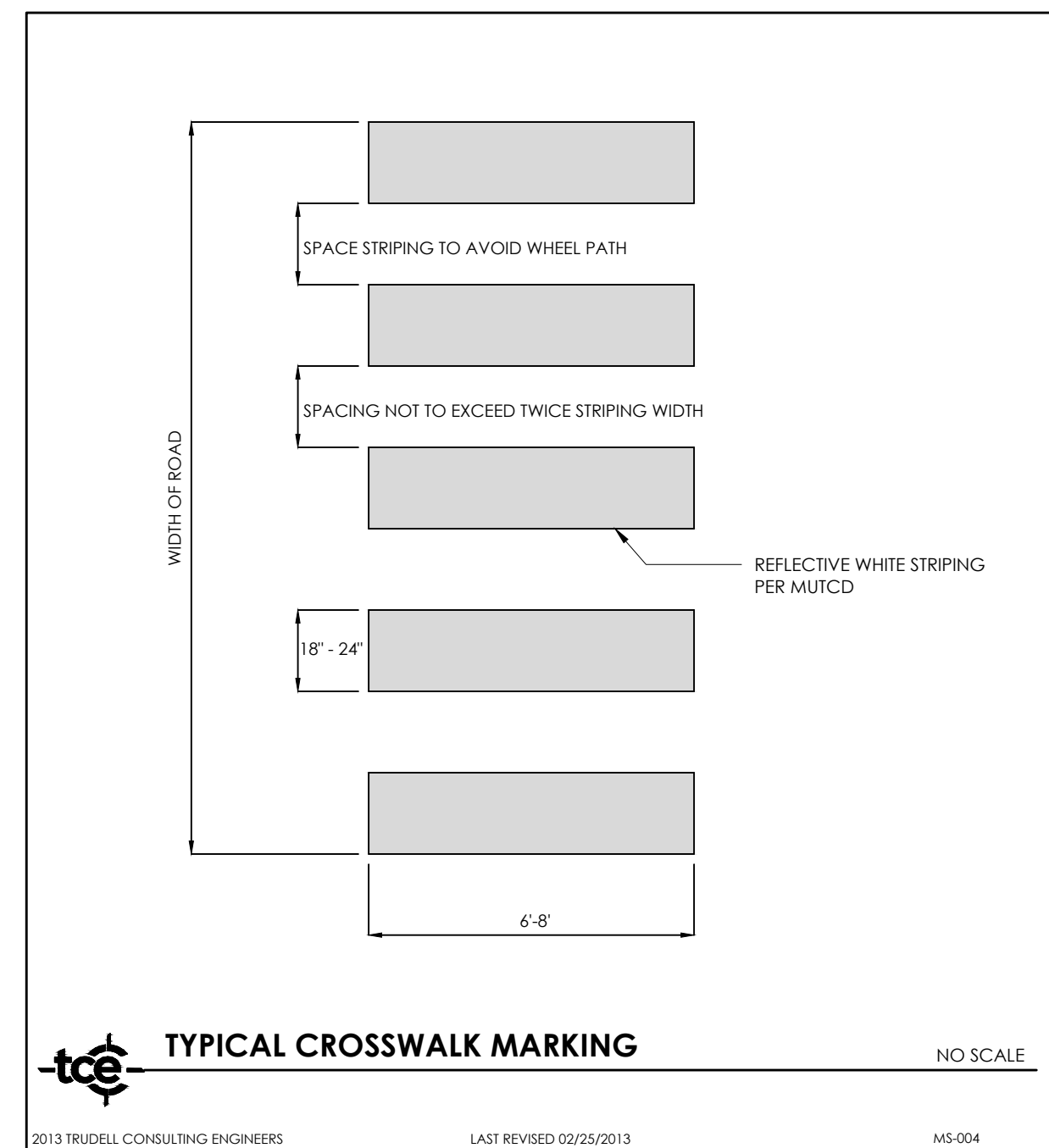
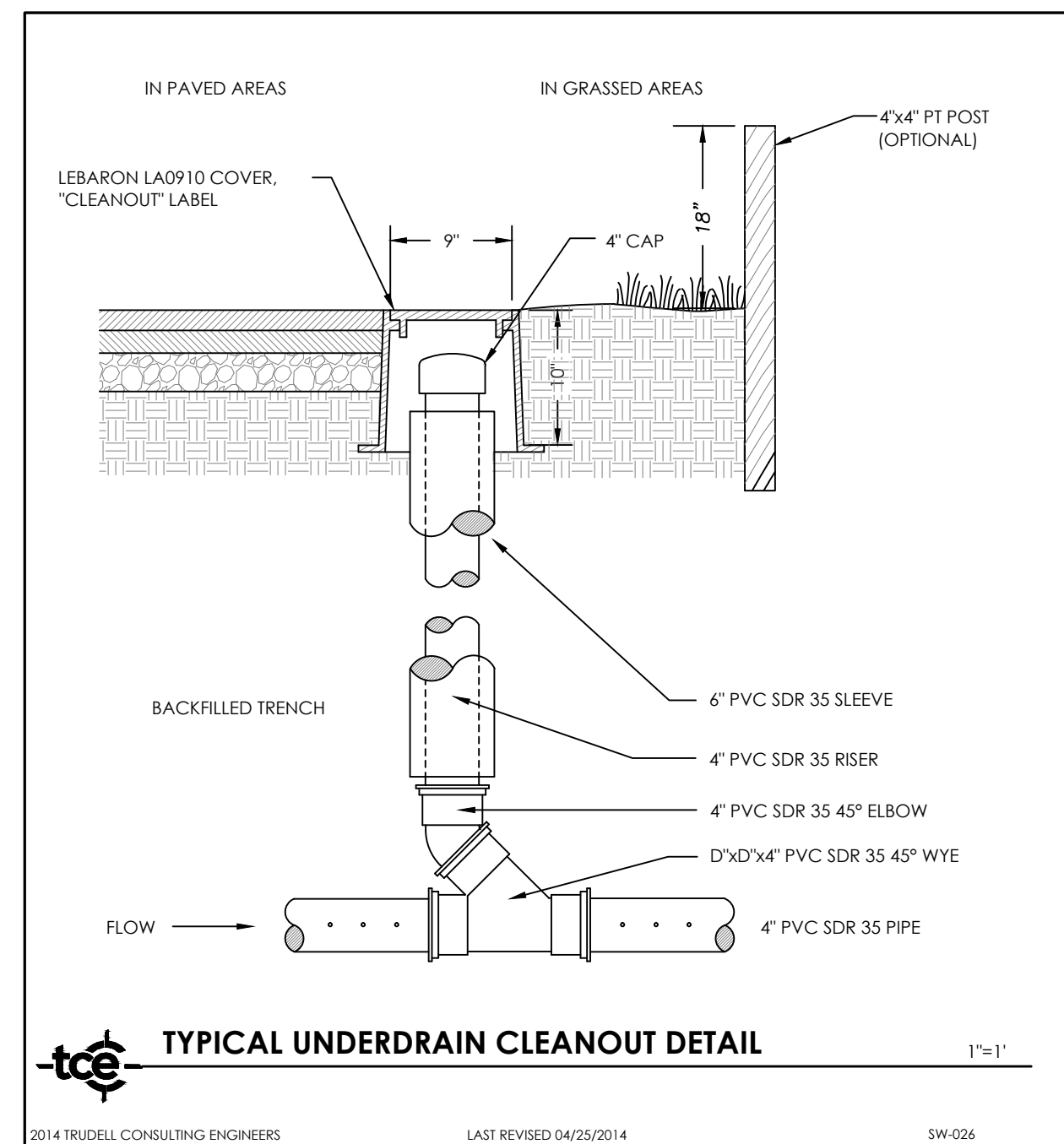
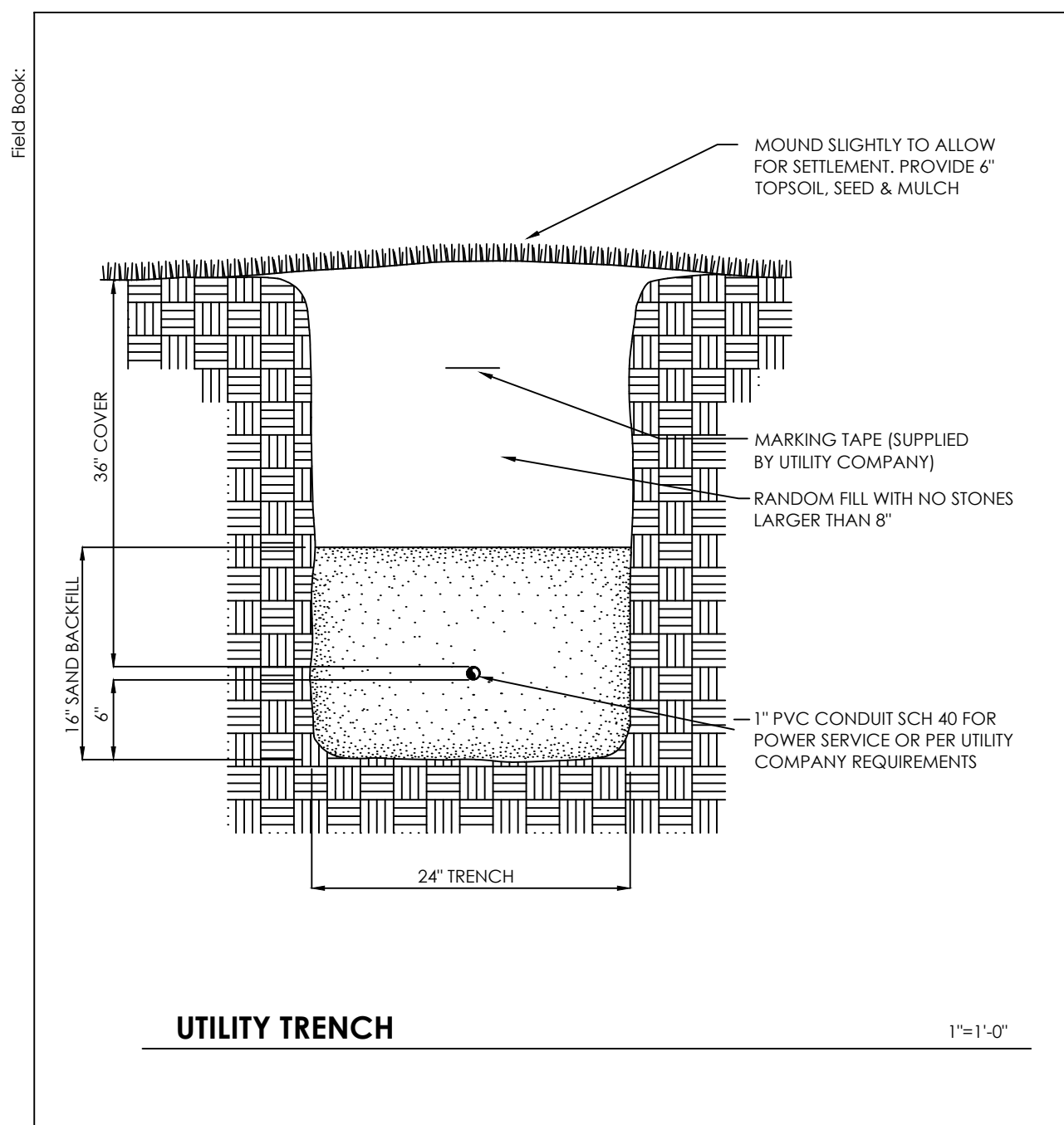


For Bidding Only

Project Title
Montpelier Public High School Main Parking Lot Improvements
5 High School Drive
Montpelier, VT

Site Details

Date: 06/12/2014
Scale: AS SHOWN
Project Number: 13-056
Drawn By: RMP
Project Engineer: SMM
Approved By:



ALED3T78N
Specification Grade Area lights available in IES Type III distributions. For use in parking lots, roadways, pathways and general area lighting. Mounts to 4" square steel poles at 15-20'. Designed to replace 250W Metal Halide Area Lights. Patent Pending thermal management system. 5 Year Warranty.

Color: Bronze Weight: 32.0 lbs

LED Info		Driver Info	
Watts:	78W	Type:	Constant Current
Color Temp:	4000K (Neutral)	120V:	0.66A
Color Accuracy:	82	208V:	0.41A
L70 Lifetime:	100000	240V:	0.35A
LMF9 Lumens:	5,890	277V:	0.30A
Efficacy:	75 LPW	Input Watts:	79W
		Efficiency:	99%

Technical Specifications

UL Listing: Suitable for wet locations as a downlight.

Lumen Maintenance: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

IES Classification: The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

LEDs: Six (6) multi-chip, 13W, high-output, long-life LEDs.

Driver: Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

THD: 5.2% at 120V, 13.6% at 277V

Ambient Temperature: Suitable for use in 40°C ambient temperatures.

Surge Protection: 4kV

Cold Weather Starting: The minimum starting temperature is -40°F/-40°C.

Thermal Management: Superior heat sinking with external Air-Flow fins.

Effective Projected Area: EPA = 0.75

Housing: Die cast aluminum housing, lens frame and mounting arm.

Color Consistency: 3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Uniformity: RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Reflector: Specular vacuum-metallized polycarbonate

Gaskets: High temperature silicone gaskets.

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Surge Protector: ALED78 is available with a 6kV surge protector (SP6). SP6 available.

Green Technology: Mercury and UV free.

RAB LIGHTING
Tech Help Line: 888-RAB-1000
Email: sales@rabweb.com
On the web at: www.rabweb.com
Copyright ©2014 RAB Lighting Inc. All Rights Reserved. Note: Specifications are subject to change without notice. Page 1 of 2

PS4-11-20D2
Square steel poles drilled for 2 Area Lights at 100kdcg. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze Weight: 137.0 lbs

Lamp Info

Type:	N/A	Type:	N/A
Watts:	0W	120V:	N/A
Shape/Size:	N/A	208V:	N/A
Base:	N/A	240V:	N/A
ANSI:	N/A	277V:	N/A
Hours:	0	Input Watts:	0W
Lamp Lumens:	0	Efficiency:	N/A
Efficiency:	N/A		

Ballast Info

Type:	N/A	Type:	N/A
Watts:	0W	120V:	N/A
Shape/Size:	N/A	208V:	N/A
Base:	N/A	240V:	N/A
ANSI:	N/A	277V:	N/A
Hours:	0	Input Watts:	0W
Lamp Lumens:	0	Efficiency:	N/A
Efficiency:	N/A		

Technical Specifications

CSA Listed: Suitable for wet locations.

Shaft: 46,000 p.s.i. minimum yield.

Hand Holes: Reinforced with grounding lug and removable cover.

Base Plates: Slotted base plates 36,000 p.s.i.

Shipping Protection: All poles are shipped in individual corrugated cartons to prevent finish damage.

Color: Bronze powder coating.

Terms of Sale: Pole Terms of Sale is available.

Height: 20 FT.

Weight: 137 lbs.

Gauge: 11

Wall Thickness: 1/8"

Shaft Size: 4"

Hand Hole Dimensions: 3" x 5"

Bolt Circle: 8-9"

Base Dimension: 8"

Anchor Bolt: Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates: WARNING: Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available.

Pre-Shipped Anchor Bolts: Bolts can be pre-shipped upon request for additional freight charge.

MaxEPA's/Max Weights:
70MPH 8.3 ft./240 lb
80MPH 5.6 ft./165 lb
90MPH 3.6 ft./110 lb
100MPH 2.2 ft./75 lb
110MPH 1.0 ft./45 lb
120MPH 0.2 ft./20 lb

LAP BARS 30 BAR DIAMETERS

REBAR (TYPICAL)

TOOLED JOINT (TYPICAL)

1/2" RADIUS TOOLED JOINT

1/4" FT.

REBAR (TYPICAL)

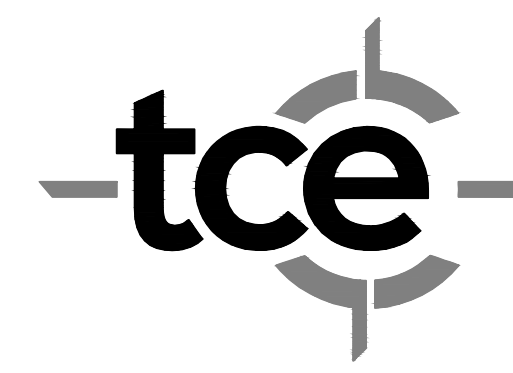
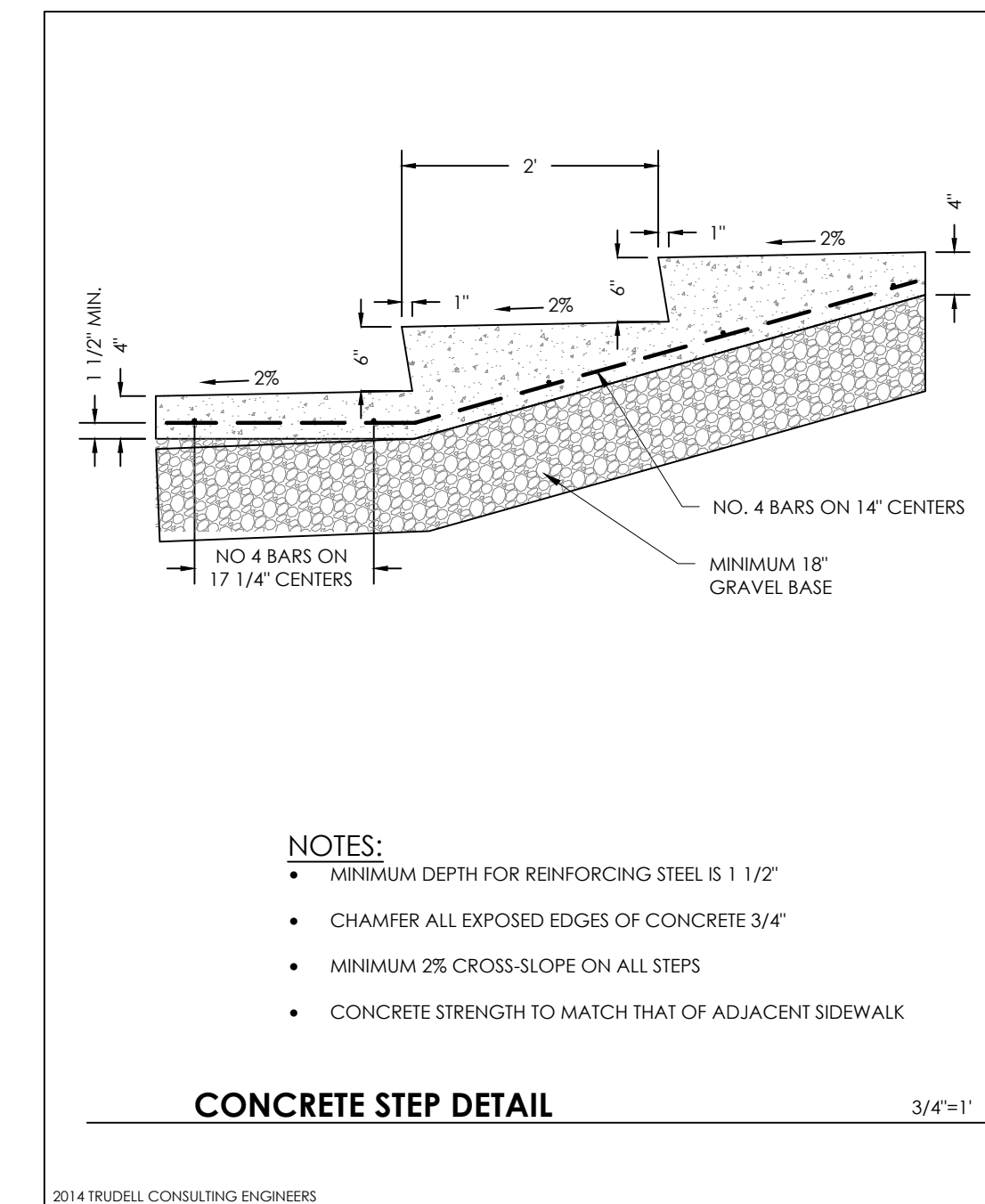
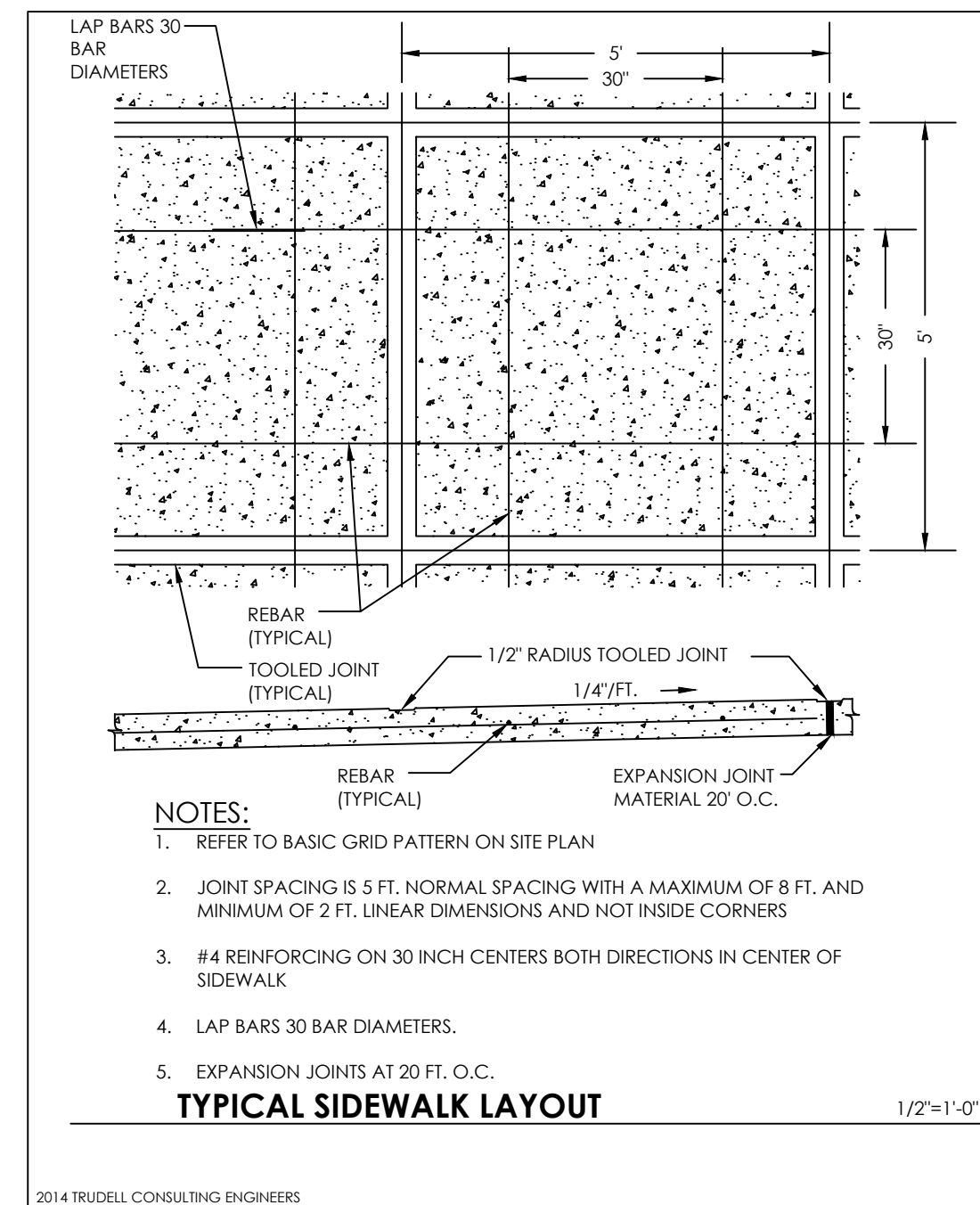
EXPANSION JOINT MATERIAL 20" O.C.

NOTES:

- REFER TO BASIC GRID PATTERN ON SITE PLAN
- JOINT SPACING IS 5 FT. NORMAL SPACING WITH A MAXIMUM OF 8 FT. AND MINIMUM OF 2 FT. LINEAR DIMENSIONS AND NOT INSIDE CORNERS
- #4 REINFORCING ON 30 INCH CENTERS BOTH DIRECTIONS IN CENTER OF SIDEWALK
- LAP BARS 30 BAR DIAMETERS.
- EXPANSION JOINTS AT 20 FT. O.C.

TYPICAL SIDEWALK LAYOUT
1/2"=1'-0"

2014 TRUDELL CONSULTING ENGINEERS



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C8-02